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Guidebook for Performance Assessment Parameters Used in the Waste Isolation Pilot Plant Compliance Certification Application

Volume II: Appendices

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Guidebook for Performance Assessment Parameters Used in the Waste Isolation Pilot Plant Compliance Certification Application

Volume II: Appendices

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ABSTRACT

The Waste Isolation Pilot Plant (WIPP) Compliance Certification Application (CCA) Performance Assessment (PA) Parameter Database and its ties to supporting information evolved over the course of two years. When the CCA was submitted to the Environmental Protection Agency (EPA) in October 1996, information such as identification of parameter value or distribution source was documented using processes established by Sandia National Laboratories WIPP Quality Assurance Procedures. Reviewers later requested additional supporting documentation, links to supporting information, and/or clarification for many parameters. This guidebook is designed to document a pathway through the complex parameter process and help delineate flow paths to supporting information for all WIPP CCA parameters. In addition, this report is an aid for understanding how model parameters used in the WIPP CCA were developed and qualified. To trace the source information for a particular parameter, a dual-route system was established. The first route uses information from the Parameter Records Package as it existed when the CCA calculations were run. The second route leads from the EPA Parameter Database to additional supporting information.

ACKNOWLEDGMENTS

The authors thank the other members of the CCA Parameter Team: Lori Dotson and Deborah Coffey, Karen Schmeige (SAIC), and J.T. Schneider and Gretchen Newman (GRAM, Inc.) for their help during the parameter development process and subsequent CCA parameter reviews and audits. Their feedback provided the framework for this guidebook.

The authors also thank Lori Dotson, Diane Hurtado, and Martin Tierney for their helpful review comments and Carol Crawford for her thorough reference and literature review. In addition, the authors thank Tim Peterson (Tech Reps, Inc.) for his help in shaping this document into final form.

Errata and Reference Tracking Information for Volume II

Page	Change / Reference Information
Appendices A and B	
A3-37	The material PAN_SEAL is listed in the records database as PAN_S_1.
A3-37	The WPO Number for ID 2604 is incorrect. The correct ID is WPO#32612.
B1-3	The material PAN_SEAL is listed in the records database as PAN_S_1.
B2-10	The material PAN_SEAL is listed in the records database as PAN_S_1.
Appendix D	
D-4	Item 20. "H-19" is hyphenated in the records database entry for WPO#44763.
D-6	Item 1. Correct the spelling of the word "Berkeley."
D-6	Item 2. Insert a hyphen between "Nevada" and "Reno."
D-6	Item 5. Insert a hyphen between "Nevada" and "Las Vegas." Insert a space after "EA" in "EA 95-04".
Appendices F and G	
F-13	In reference 4, Frank Hansen's surname is misspelled and the memo date is incorrect. The correct memo date is 8/2/96.
F-17	Third footnote. This document is on file in the SWCF as WPO#44202 and it is dated February 27, 1997.
G-4 & 5	Page G-4/G-5. Blom, 1989, p. 216. This page is on file in the SWCF as WPO#41116.
G-4, 5, 8 & 10	Tierney, 1990. SAND90-2510 is on file in the SWCF as WPO#23860.
G-8	Sandia WIPP Project. SAND92-0700/3 is on file in the SWCF as WPO#23529.
G-9 & 12	Iman and Shortencarier, 1984. This report is on file in the SWCF as WPO#41121.
G-14	Blom, 1989, p. 232 is not cited in the memo reference list. The citation for this callout is: Blom, G. 1989. Probability & Statistics: Theory and Applications. New York, NY: Springer-Verlag.
G-21	Glimm, 1991. This journal article is on file in the SWCF as WPO#44601.
G-21	Sandia WIPP Project. SAND92-0700/3 is on file in the SWCF as WPO#23529.
Appendix K	
K-3	Change the callout for "Chan, 1992" to read "Chan et al., 1992."
K-3	Change the callout for "Hansen and Ahrens, 1996" to read "Ahrens and Hansen, 1995."
K-3	Initial capitalize all of the title words in "Initial Pore Fluid Pressure, Pore Pressure" to match other entries on the page.
K-19-K-18	Replace the "Compacted Crushed Salt References" list with the reference list provided on the next two pages. The revised list incorporates all necessary corrections and formatting changes.

Compacted Crushed Salt References

- Ahrens, E.H., and F.D. Hansen. 1995. *Large-Scale Dynamic Compaction Demonstration Using WIPP Salt: Fielding and Preliminary Results*. SAND95-1941. Albuquerque, NM: Sandia National Laboratories.
- Brodsky, N.S. 1994. *Hydrostatic and Shear Consolidation Tests with Permeability Measurements on Waste Isolation Pilot Plant Crushed Salt*. SAND93-7058. Prepared by RE/SPEC Inc., Rapid City, SD. Albuquerque, NM: Sandia National Laboratories.
- Brooks, R.H., and A.T. Corey. 1964. "Hydraulic Properties of Porous Media." *Hydrology Paper* No. 3. Fort Collins, CO: Colorado State University. (WPO#41117)
- Callahan, G.D., M.C. Loken, L.L. Van Sambeek, R. Chen, T.W. Pfeifle, J.D. Nieland, and F.D. Hansen. 1995. *Evaluation of Potential Crushed-Salt Constitutive Models*. SAND95-2143. Prepared by RE/SPEC Inc., Rapid City, SD. Albuquerque, NM: Sandia National Laboratories.
- Chan, K.S., S.R. Bodner, A.F. Fossum, and D.E. Munson. 1992. "A Constitutive Model for Inelastic Flow and Damage Evolution in Solids Under Triaxial Compression," *Mechanics of Materials*. Vol. 14, no. 1, 1-14.
- Davies, P.B. 1991. *Evaluation of the Role of Threshold Pressure in Controlling Flow of Waste-Generated Gas into Bedded Salt at the Waste Isolation Pilot Plant*. SAND90-3246. Albuquerque, NM: Sandia National Laboratories.
- Hansen, F.D. 1995. *Untitled Memorandum to T. Jones, INTERA Inc.* November 30, 1995. Albuquerque, NM: Sandia National Laboratories. (WPO#29905)
- Haverkamp, R., and J.Y. Parlange. 1986. "Predicting the Water-Retention Curve from Particle-Size Distribution. 1. Sandy Soils Without Organic Matter," *Soil Science*. Vol. 142, no. 6, 325-339.
- Holcomb, D.J., and D.W. Hannum. 1982. *Consolidation of Crushed Salt Backfill Under Conditions Appropriate to the WIPP Facility*. SAND82-0630. Albuquerque, NM: Sandia National Laboratories. (WPO#26463)
- Holcomb, D.J., and M. Shields. 1987. *Hydrostatic Creep of Crushed Salt With Added Water*. SAND87-1990. Albuquerque, NM: Sandia National Laboratories. (WPO#26469)
- Hopmans, J.W., and B. Overmars. 1986. "Presentation and Application of an Analytical Model to Describe Soil Hydraulic Properties," *Journal of Hydrology*. Vol. 87, no. 1-2, 135-143.
- Lappala, E.G., R.W. Healy, and E.P. Weeks. 1987. *Documentation of Computer Program VS2D to Solve the Equations of Fluid Flow in Variably Saturated Porous Media*. Water-Resources Investigations Report 83-4099. Denver, CO: U.S. Geological Survey. (WPO#45627)
- Mayer, G., F. Jacobs, and F.H. Wittmann. 1992. "Experimental Determination and Numerical Simulation of the Permeability of Cementitious Materials," *Nuclear Engineering and Design*. Vol. 138, no. 2, 171-177.
- Mualem, Y. 1976. "A New Model for Predicting the Hydraulic Conductivity of Unsaturated Porous Media," *Water Resources Research*. Vol. 12, no. 3, 513-522.

- Parker, J.C., R.J. Lenhard, and T. Kuppusamy. 1987. "A Parametric Model for Constitutive Properties Governing Multiphase Flow in Porous Media," *Water Resources Research*. Vol. 23, no. 4, 618-624.
- Pfeifle, T.W., and P.E. Senseny. 1985. "Permeability and Consolidation of Crushed Salt From the WIPP Site." RSI-0278. Prepared for Sandia National Laboratories, Albuquerque, NM. Rapid City, SD: RE/SPEC Inc. (WPO#36824)
- Pihlajavaara, S.E. 1991. "Long-Term Gas Permeability Properties of Concrete in Wet Repository Conditions," *Nuclear Engineering and Design*. Vol. 129, no. 1, 41-48.
- Rawls, W.J., D.L. Brakensiek, and K.E. Saxton. 1982. "Estimation of Soil Water Properties," *Transactions of the ASAE*. St. Joseph, MI: American Society of Agricultural Engineers. 1316-1320. (WPO#42417)
- RE/SPEC. 1994. "Determination of Intact Density of WIPP Salt Specimens." Calculation File 325/3.4/01. Prepared for Sandia National Laboratories, Albuquerque, NM. Rapid City, SD: RE/SPEC Inc. (WPO#42723)
- RE/SPEC. 1995. "WIPP Crushed-Salt Database for Constitutive Model Evaluations." Calculation File 325/4/03. Prepared for Sandia National Laboratories, Albuquerque, NM. Rapid City, SD: RE/SPEC Inc. (In Records Package WPO#40871)
- RE/SPEC. 1996a. "Shear Consolidation Testing Performed to Supplement the WIPP Crushed-Salt Database." Calculation File 325/12.1/01. Prepared for Sandia National Laboratories, Albuquerque, NM. Rapid City, SD: RE/SPEC Inc. (In Records Package WPO#41392)
- RE/SPEC. 1996b. "Mechanical and Hydrologic Properties Testing of Dynamically-Compacted Crushed Salt." Calculation File 325/12.1/02. Prepared for Sandia National Laboratories, Albuquerque, NM. Rapid City, SD: RE/SPEC Inc. (In Records Package WPO#41392)
- Sjaardema, G.D., and R.D. Krieg. 1987. *A Constitutive Model for the Consolidation of WIPP Crushed Salt and Its Use in Analyses of Backfilled Shaft and Drift Configurations*. SAND87-1977. Albuquerque, NM: Sandia National Laboratories.
- Stephens, D.B., M. Unruh, J. Havlena, R.G. Knowlton, Jr., E. Mattson, and W. Cox. 1988. "Vadose Zone Characterization of Low-Permeability Sediments Using Field Permeameters," *Ground Water Monitoring Review*. Vol. 8, no. 2, 59-66.
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- van Genuchten, M.Th., and D.R. Nielsen. 1985. "On Describing and Predicting the Hydraulic Properties of Unsaturated Soils," *Annales Geophysicae*. Vol. 3, no. 5, 615-628.
- Wosten, J.H.M., and M.Th. van Genuchten. 1988. "Using Texture and Other Soil Properties to Predict the Unsaturated Soil Hydraulic Functions," *Soil Science Society of America Journal*. Vol. 52, no. 6, 1762-1770.
- Zeuch, D.H., D.J. Zimmerer, and M.E. Shields. 1991. *Interim Report on the Effects of Brine-Saturation and Shear Stress on Consolidation of Crushed, Natural Rock Salt from the Waste Isolation Pilot Plant (WIPP)*. SAND91-0105. Albuquerque, NM: Sandia National Laboratories. (WPO#26465)

Page	Change / Reference Information
	Appendix M1
M1-21	Memo: Vaughn/Tierney-10. This memo is on file in the SWCF as WPO#43088.
M1-34-36, & 168	The material PAN_SEAL (listed as material id for ids 252-266 and ids 2731-2734) is listed in the records database as PAN_S_1.
M1-87	Hydraulics/ASCE-3/70. This journal is on file in the SWCF as WPO#41125.
M1-150	ID 2604. The correct WPO# for this ID is WPO#32612.
M1-158	ID 2663. The correct WPO# for this ID is WPO#32117.
M1-189, 191	Nuclides and Isotopes. The 1989 edition of this document is on file in the SWCF as WPO#41566.
M1-241	ID 3106. SAND91-0893/3-MEMOBRUSH. Memo is located on pp. A-25-A-36 of SAND91-0893/3.
M1-257	Fox-1. See the correction for page M4-3 below.
M1-267, 269, 271	40 CFR 191. 50 FR 38066 is on file in the SWCF as WPO#39132. Use either "50 FR 38066" or "WPO#39132" instead of 40CFR191.
M1-287	ID 3470 is on file in the SWCF as WPO#38209 (listed as WPO#38214 in original list).
M1-293	According to the Source Cross-Reference listing (Appendix M4), FEDERAL_REGISTER is a callout to 61 FR 5224, which is on file in the SWCF as WPO#41579. Use either "61 FR 5224" or "WPO#41579" instead of "FEDERAL_REGISTER."
M1-293	Memo:Leonard/Marietta-2. This memo is on file in the SWCF as WPO#40850.
M1-293	Memo:Leonard/Marietta-3. This memo is on file in the SWCF as WPO#40849.
M1-295	WID. For citation information, see the correction for page M4-7 below.
	Appendix M2
M2-2	ID 3310, 3312, 3319, 3307, 3311. The word "Parameters" needs to be initial capitalized in the description. The date on WPO#36771 is March 29, 1996. In the column where WPO#35852 and WPO#35856 are listed, a closing quotation mark needs to be inserted at the end of the title.
M2-2	ID 2283, 2284, 2285. The punctuation before "Brown" needs to be changed to a semicolon.
M2-2	ID 3134, 3186, 3187, 3159. Per the records database, WPO#35134 is a one-page email (not a handwritten 4-page note). The title for the handwritten note and the email is the same.
M2-3	ID 3173. WPO#38367 is an April 1996 draft copy of SAND94-0472. The title, "Mixed Brooks and Corey Two-Phase Characteristic Curves," is listed in the records database as WPO#38391. This memo is also reprinted in SAND94-0471 (pp. F-3 & F-4). The closing quotation mark should follow the word "Curves."
M2-3	ID 3173. Per the records database, WPO#35134 is a one-page email (not a handwritten 4-page note). The title for the handwritten note and the email is the same.

Page	Change / Reference Information
M2-3	ID 3134, 3186, 3187. Entry for WPO#40514. Insert "p." between the WPO# and "3-52"; insert a space after the word "Task"; insert the word "Analysis" after "PA" and the word "the" after "Supporting"; transpose the closing quotation mark and the period.
M2-4	ID 3171, 3135. Per the records database, WPO#35134 is a one-page email (not a handwritten 4-page note). The title for the handwritten note and the email is the same.
M2-4	ID 3184, 3190, 3191. Entry for WPO#39626. Initial capitalize the word "Filled"
M2-4	ID 3456, 3473. Entry for WPO#38217. The hyphen after BRAGFLO should be an underline (BRAGFLO_DBR).
M2-4	ID 3473. Correct the spelling of the word "blowout."
M2-4	ID 3245. Entries for WPO#40521, 35695. Insert a closing quotation mark at the end of the document title.
M2-4	ID 3470, 3472. WPO#38214. Consistently capitalize title words in these entries.
M2-5	ID 3184, 3190, 3191. The author name "Harar" should be corrected to "Harr" in the citation.
M2-5	ID 3473. Initial capitalize the word "Using"; insert the word "Silica" before the word "Sands". The NMERI report number needs to be changed to: 1996/7/32250; insert a space between "Mar" and "96."
M2-5	ID 3245. In the entry for WPO#36723, change the code name to: CUTTINGS_S (insert an "S" before the underline).
M2-6	ID 3256, 3247, 2254. In the entry for WPO#36766, change the code name to: CUTTINGS_S (insert an "S" before the underline).
M2-6	ID 3246. In the entry for WPO#40521, insert a closing quotation mark after the word "Sources".
M2-6	ID 3471. WPO#38214. Consistently capitalize title words in this entry to match IDs 3470 and 3472 on page M2-4.
M2-7	ID 3256, 3247. Initial capitalize the word "Using"; insert the word "Silica" before the word "Sands"; change the NMERI report number to: 1996/7/32250; insert a space between "Mar" and "96."
M2-7	ID 3256. In the entry for WPO#36766, change the code name to: CUTTINGS_S (insert an "S" before the underline).
M2-7	ID 27. In the discussion of Domega, correct the company name to Baroid Drilling Fluids Inc; capitalize "SAND" in "SAND89-2408".
M2-7	ID 2254. Insert "WPO#" before "35695"; correct the spelling of Partheniades' surname. The entry should read: Partheniades, E., and R.E. Paaswell. 1970. "Erodability of Channels w/Cohesive Boundary," J. of Hydraulics Div., Proc. of the ASCE. Vol. 96, no. HY3, 755-771.
M2-8	ID 61. In the entry for WPO#41247, change Freeze and Cherry citation to: Freeze and Cherry, 1979 (Groundwater).
M2-8	ID 3194. In the entry for WPO#41662, insert a space between "41662" and "Memo" and initial capitalize the word "definition."

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M2-8	ID 3194. Entry for WPO#44401. Popielak et al., 1983 (TME-3153) is on file in the SWCF as WPO#42085. Insert a space after the ampersand.
M2-9	ID 2612. Remove the comma after the word "Parameters."
M2-9	ID 3194. Entry for WPO#30994. Delete extra spaces between the words "showing" and "proposed."
M2-17	ID 3144, 3156, 3168. Per the records database, WPO#35134 is a one-page email (not a handwritten 4-page note). The title for the handwritten note and the email is the same.
M2-18	ID 67, 68, 69. In the entry for WPO#31070, initial capitalize the word "Reservoir".
M2-18	ID 2918. In the entry for WPO#31082, insert a hyphen between "SWCF" and "A."
M2-18	ID 2918. In the entry for WPO#37149, correct the spelling of the word "contiguous."
M2-18	ID 2334. In the entry for WPO#30640, make "Seals" plural in the phrase "Shaft Seals System".
M2-18	ID 2334. Entry for WPO#41809. Insert a space after "p."
M2-19	ID 3180. Per the records database, WPO#35134 is a one-page email (not a handwritten 4-page note). The title for the handwritten note and the email is the same.
M2-19	ID 64. Insert "WPO#" before "40434".
M2-19	ID 2334. Initial capitalize "Knowles"; also see note for page M2-27.
M2-21	ID 2335, 2336, 3009, 3010, 3011, 2351, 2352, 2353, 2368. Initial capitalize "Knowles"; also see note for page M2-27.
M2-22	ID 2370, 3078, 3079, 3080, 2385, 2386, 2387, 2402, 2403. Insert a space after "p"; the word "Seals" is plural in the phrase "Shaft Seals System".
M2-23	ID 2370, 3078, 3079, 3080, 2385, 2386, 2387, 2402, 2403. Initial capitalize "Knowles"; also see note for page M2-27.
M2-24	ID 2404, 2419, 2420, 2421, 2436, 2437, 2438, 2317, 2318. Insert a space after "p."; the word "Seals" is plural in the phrase "Shaft Seals System".
M2-25	ID 2404, 2419, 2420, 2421, 2436, 2437, 2438, 2317, 2318. Initial capitalize "Knowles"; also see note for page M2-27.
M2-26	ID 3147, 3185, 3192, 3193. Per the records database, WPO#35134 is a one-page email (not a handwritten 4-page note). The title for the handwritten note and the email is the same.
M2-26	ID 3185, 3192, 3193. In the entry for WPO#39626, initial capitalize the word "Filled."
M2-26	ID 2319, 2464, 3148, 2467, 2470, 2471, 2472. In the entries for WPO#30640, the word "Seals" is plural. In ID 2319, insert a space after "p."
M2-26	ID 2467. Correct the spelling of Wakeley's surname.
M2-26	ID 120. Change the WPO# to WPO#41118, which is where p. 55 from this book is filed; insert a comma after Freeze's surname and a period after Cherry; insert a hyphen in "Prentice-Hall"; insert a period and space between the "p" and "55."

Page	Change / Reference Information
M2-27	ID 2319. Initial capitalize "Knowles"; also note that fuller citations for these callouts are not included in the Source Cross-Referencing listing.
M2-27	ID 3148. In the entry for WPO#35134, remove the extra quotation mark (after date).
M2-28	ID 861. In the entry for WPO#40516, initial capitalize the word "Flow"; in the description of the 5/2/96 memo from Wallace to Tierney, remove the text in parentheses. This memo is on file in the SWCF as WPO#39365.
M2-28	ID 142. WPO#32290 is a memo from Lori Dotson to Martin Tierney (the author and recipient names are reversed). Insert the word "Units" after "NonSalado".
M2-28	ID 3487, 3484, 3483. Insert "WPO#" after "PRP."
M2-30	ID 3485. Remove the comma after "WPO#37225."
M2-30	ID 3419. Initial capitalize the word "Parameter."
M2-30	ID 171, 172, 173. The word "Spallings" is plural.
M2-30	ID 161, 162, 163. The memo title for WPO#43088 is: Dewylake logs of intrinsic permeability. Pace, 1990 is reprinted in SAND89-2408. Pages A-159 through A-164 contain letter 1a, a 9/11/90 letter to J.W. Berglund, "Bar graphs representing range of values for drilling operations near WIPP Site." Pages A-167 through A-170 contain letter 1b, a 9/18/90 letter to Berglund, "Changes to bar graphs."
M2-31	ID 162. Add "WRI" between "USGS" and "83-4016": USGS-WRI-83-4016.
M2-31	ID 172, 173. The word after "A-169" should be "of," not "or."
M2-34	ID 225. Insert a closing quotation mark at the end of the memo title.
M2-34	ID 3501, 3500. The date of WPO#42852 should be 11/14/96.
M2-34	ID 3497. This document is printed in: Federal Register. Vol. 61, no. 28, 5224-5245. 61 FR 5224 is on file in the SWCF as WPO#41579.
M2-35	ID 253. Remove the spaces after "worksheet" and "date" and insert a space after each of these commas.
M2-36	ID 3429, 3433, 3459, 3457, 3458, 3460, 3461, 3315, 3316, 3240. WPO#42261 is a two-page memo dated 11/13/96, "Additional Source Information for Mobile Colloidal Actinides". WPO#37522 is a 4 page memo with the authors/title/date cited here.
M2-37	ID 256. The word "Seal" should be initial capitalized.
M2-38	ID 3317. Initial capitalize the word "Parameters."
M2-38	ID 297, 298. Insert a space after Larry Sanchez's initials and initial capitalize the word "Use."
M2-38	ID 2832, 2831, 2826. Remove the comma before "et" and insert a hyphen between "Low" and Boiling."
M2-38	ID 2883. Change the citation of Nuclides and Isotopes to: Nuclides and Isotopes: Chart of the Nuclides. 14 th ed. p. 52. In the last box for ID 2883 insert: San Jose, CA: General Electric.
M2-38	ID 2865. WPO#44691 is page E-7 from the 65 th edition of this Handbook.

Page	Change / Reference Information
M2-40	ID 2825, 2830. Remove the comma before “et” and insert a hyphen between “Low” and “Boiling”.
M2-40	ID 3503. WPO#40133 is dated 6/26/96.
M2-40	ID 520, 559, 579. Change “Anh2” to “Anhydrite Two-Phase.”
M2-40	ID 2158. Move the closing quotation mark to follow the word “Values” (not the memo date).
M2-42	ID 522, 561, 582. Change “Anh2” to “Anhydrite Two-Phase.”
M2-42	ID 544. Replace the text after “Pkg 8” with: “Salado Halite Porosity.”
M2-42	ID 547, 548, 549. Rick Beauheim is also an author of this memo.
M2-42	ID 580, 560, 521. Insert “#” between “WPO#” and “31186”.
M2-43	ID 2177. Move the closing quotation mark to follow the word “Values” and fix the memo date of WPO#44704: 3/31/97.
M2-44	ID 2178, 2159, 2170. Move the closing quotation mark to follow the word “Values” and fix the memo date of WPO#44704: 3/31/97.
M2-44	ID 2789, 2784, 2774, 2790, 2785. Change “Anh2” to “Anhydrite Two-Phase”.
M2-45	ID 2169. Move the closing quotation mark to follow the word “Values” and fix the memo date of WPO#44704: 3/31/97.
M2-46	ID 2775. Change “Anh2” to “Anhydrite Two-Phase”.
M2-46	ID 2180. Correct the spelling of “Shephard.”
M2-46	ID 524, 563, 586, 526, 565. Move the closing quotation mark to follow the word “Values” and fix the memo date of WPO#44704: 3/31/97.
M2-56	ID 587, 566. Insert “#” between “WPO#” and “42351”.
M2-57	ID 3143, 3155, 3167, 3179. Per the records database, WPO#35134 is a one-page email (not a handwritten 4-page note). The title for the handwritten note and the email is the same.
M2-57	ID 587, 566. Change “Anh2” to “Anhydrite Two-Phase.”
M2-58	ID 527. Insert “#” between “WPO#” and “42351.”
M2-59	ID 527. Change “Anh2” to “Anhydrite Two-Phase.”
M2-59	ID 588, 567, 528. After pkg 11, insert the following replacement text: “Salado anhydrite effective porosity.”
M2-59	ID 591, 592, 593, 570, 571. Correct the spelling of “Howarth” and insert a closing quotation mark after the word “Permeability.”
M2-60	ID 572, 531, 532, 533. Insert a closing parenthesis in the entry for WPO#41677.
M2-60	ID 596, 575, 536, 597, 576, 537, 598, 577, 538, 599. Change “Anh2” to “Anhydrite Two-Phase.”
M2-61	ID 572, 531, 532, 533. Insert a closing quotation mark after the word “Permeability.”
M2-62	ID 2939. Correct the spelling of the name “Vaughn.”
M2-62	ID 2516, 2533, 2550, 2567, 2809. Mike Lord is the author of WPO#39058. Also the word “calculations” is plural in these entries.

Page	Change / Reference Information
M2-64	ID 3076, 2381, 2398, 2415, 2432, 2449, 2313, 2466, 2483, 3057, 2279. Close up the space between the initials in "L.D. Hurtado."
M2-66	All entries. The word "Seals" is plural in these entries.
M2-68	All entries. The word "Seals" is plural in these entries.
M2-68	ID 2529, 2546, 2563, 2580, 2597, 2993, 2512, 3015, 2343, 2360. Mayer et al., 1992 is on file in the SWCF as WPO#41122. The citation for this entry is: Mayer, G., F. Jacobs, and F.H. Wittmann. 1992. "Experimental Determination and Numerical Simulation of the Permeability of Cementitious Materials," <i>Nuclear Engineering and Design</i> . Vol. 138, no. 2, 171-177.
M2-70	ID 2377, 3083, 2394, 2411, 2428, 2445, 2462, 2326, 2479, 2495, 3064. Mayer et al., 1992 is on file in the SWCF as WPO#41122. See previous entry for citation.
M2-70	ID 344, 345. Insert a space after "p."; close up the space after "SAND."
M2-72	ID 346. Insert a space after "p."; replace the "'s" after "permeability" with a period; close up the space after "SAND."
M2-72	ID 3262, 3263, 3265, 3264, 3266, 3389, 3390, 3391, 3392, 3393. Entries for WPO#37791. Correct the spelling of "Bynum"; insert the words "to be" between the words "Solubility" and "Used". The word "Calculations" is plural.
M2-72	ID 3265. Per the records database, the parameter id is SOLSIM.
M2-74	ID 2907, 2898. Make the "p." lowercase in these citations.
M2-74	ID 2909. Insert a space after Wang's initial.
M2-74	ID 651. The word "Spallings" is plural in this citation.
M2-74	ID 2041, 2274, 1992, 1993, 2040, 2044, 1994, 2043, 2275. Change "CAD" to "CAO" in these entries. The correct report number is: DOE/CAO-95-1121.
M2-75	ID 2907. Internal punctuation is missing in this entry.
M2-75	ID 651. The text for ID 651 on p. K2-74 ends with a period. The text on M2-75 starts mid-sentence. Remove the second "NY" in the Streeter and Wylie entry. Correct the spelling of the word "Book." Streeter and Wylie, p. 297 is on file in the SWCF as WPO#45492.
M2-76	ID 1995, 2228, 2042, 2046. Change "CAD" to "CAO" in these entries. The correct report number is: DOE/CAO-95-1121.
M2-76	ID 663, 664, 665. In the entry for WPO#30921, the word after "Documentation" should be changed to "of"; in the entry for WPO#30925, insert the word "the" after "Documentation."
M2-78	ID 670, 2741. Brooks and Corey, 1964 is on file in the SWCF as WPO#41117.
	Appendix M4
M4-2, M4-3	40CFR191. The title for the 1985 version is different from the current title. The title should be changed to: Environmental Standards for the Management and Disposal of Spent Nuclear Fuel, High-Level and Transuranic Radioactive Wastes. The text to put in the Journal column is: Federal Register. Vol. 50, no. 182, 38066-38089. Add the WPO# to the Ref ID field: WPO#39132.
M4-2, M4-3	CRC-14. Add "The Chemical Rubber Co." to the publisher box and "Cleveland, OH" to the location box.

Page	Change / Reference Information
M4-2, M4-3	Federal Register. Supply the following title in the title box: 40 CFR 194: Criteria for the Certification and Re-Certification of the Waste Isolation Pilot Plant's Compliance with the 40 CFR 191 Disposal Regulations. The text to put in the Journal column is: Federal Register. Vol. 61, no. 28, 5224-5245. Add the following WPO# to the Ref ID field: WPO#41579. The author is U.S. EPA.
M4-2, M4-3	Finley-1. Add the report number and page citation to this entry: SAND92-0700/5, p. A-5 through A-8.
M4-2, M4-3	Fox-1. The 1934 publication date is incorrect. The first edition was published in 1973, 2nd edition in 1978, 3rd edition in 1984, and 4th edition in 1992. Pages 404-409 from the first edition are on file in the SWCF as WPO#41622. Add the following author information: R.W. Fox and A.T McDonald.
M4-2, M4-3	Hydraulics/ASCE-3/70. Add the following to the journal box: Vol. 96, no. HY3, 755-771. Add the following WPO# to the Ref ID field: WPO#41125.
M4-2, M4-3	Memo: Leonard/Marietta-2. This memo is on file in the SWCF as WPO#40850. Add the WPO# to the Ref ID field.
M4-2, M4-3	Memo: Leonard/Marietta-3. This memo is on file in the SWCF as WPO#40849. Add the WPO# to the Ref ID field.
M4-2, M4-3	Memo: Vaughn/Tierney-10. This memo is on file in the SWCF as WPO#43088. Add the WPO# to the Ref ID field.
M4-2, M4-3	Novakmemo-1. In the journal box a space needs to be inserted between "Waste" and "Isolation"; the spelling of the words "Model" and "Parameters" need to be corrected; the report number needs to be added: SAND92-0700/3. In the author box, correct the spelling of "Papenguth."
M4-4, M4-5	Nuclides/Isotopes. Replace the title information with the following: Nuclides and Isotopes: Chart of the Nuclides. 14 th ed. This document is on file in the SWCF as WPO#41566. Add the WPO# to the Ref ID field.
M4-4, M4-5	Obert-1. Page 541 from this book is on file in the SWCF as WPO#43092.
M4-4, M4-5	SAND86-7167. Replace the word "Flossing" with the phrase "Flow in"; add a space after the parenthesis in the title. SAND86-7167 is on file in the SWCF as WPO#28486.
M4-4, M4-5	SAND89-0462. Insert a comma after the word "Transport." SAND89-0462 is on file in the SWCF as WPO#24125.
M4-4, M4-5	SAND89-2408. This report is on file in the SWCF as WPO#27724.
M4-4, M4-5	SAND89-7068/1. On file in the SWCF as WPO#24085.
M4-4, M4-5	SAND91-0893/3. On file in the SWCF as WPO#26419. Insert the text "December 1991" after the word "Plant". Add the report number to the Journal box. Add "WIPP PA Division" to the Author box.
M4-4, M4-5	SAND91-0893/3-MemoBeauheim. This memo is located in Appendix A of SAND91-0893/3, which is on file in the SWCF as WPO#26419. Correct the spelling of "Data" and "WIPP."

Page	Change / Reference Information
M4-4, M4-5	SAND91-0893/3-MemoBeauheim2. This memo is located in Appendix A of SAND91-0893/3, which is on file in the SWCF as WPO#26419. In the title box, replace "1991" with "1992". In the journal box, insert a space after "December" and "Performance."
M4-4, M4-5	SAND91-0893/3-MemoBrush. This memo is located in Appendix A of SAND91-0893/3, which is on file in the SWCF as WPO#26419. In the journal box, insert a period after "Data."
M4-4, M4-5	SAND92-0479. On file in the SWCF as WPO#23526. Delete the word "the" before "Waste" in the title box and the period after "Trauth" in the author box.
M4-4, M4-5	SAND92-0700/3. On file in the SWCF as WPO#23529. Spell out the word "Volume" in the title box.
M4-4, M4-5	SAND92-0700/3-MemoPeterson. This memo is reprinted in Appendix A of SAND92-0700/3, which is on file in the SWCF as WPO#23529. Correct the spelling of the word "Parameters" in the journal box. Insert a space after the word "through."
M4-4, M4-5	Streeter-1. Page 297 is on file in the SWCF as WPO#45492. The 6 th edition is available at UNM CSEL.
M4-4, M4-5	Streeter-2. The 2 nd edition is available at UNM CSEL.
M4-6, M4-7	Vapor-Liquid_Equilibria. The information listed in the Journal box is an edition statement. That information should be moved to the title box: "Vapor-Liquid Equilibria for Mixtures of Low-Boiling Substances. Chemistry Data Series v. 6." Correct the spelling of Knapp's surname. The publisher is: DECHEMA; Scholium International. The place of publication is: Frankfurt, Germany; Great Neck, NY.
M4-6, M4-7	Vaughn:Worksheet-1. Add "Sandia National Laboratories" to the publisher box.
M4-6, M4-7	Vaughn:Worksheet-4. Add "Sandia National Laboratories" to the publisher box and "Albuquerque, NM" to the location box.
M4-6, M4-7	Vaughn:Worksheet-4A. Add "Sandia National Laboratories" to the publisher box.
M4-6, M4-7	WPO#22443, WPO#26051, WPO#30598, WPO#30599, WPO#30600, WPO#30601, WPO#30603, WPO#30605, WPO#30606, WPO#30607, WPO#30608, WPO#30611, WPO#30641, WPO#30642, WPO#30643. Add "Sandia National Laboratories" to the publisher box and "Albuquerque, NM" to the location box.
M4-6, M4-7	WPO#30703. Add "J.D. Schreiber" to the author box and "31-Jan-96" to the date box. Add "Sandia National Laboratories" to the publisher box and "Albuquerque, NM" to the location box.
M4-6, M4-7	WPO#30713, WPO#30721. Add "Sandia National Laboratories" to the publisher box and "Albuquerque, NM" to the location box.
M4-6, M4-7	WPO#30819. The date in the records database for this item is February 7, 1996. Add "Sandia National Laboratories" to the publisher box.
M4-6, M4-7	WPO#30921. Add "Sandia National Laboratories" to the publisher box.
M4-8, M4-9	WPO#30925. Add "Sandia National Laboratories" to the publisher box.

Page	Change / Reference Information
M4-8, M4-9	WPO#31041. Replace the word "in" that precedes "BRAGFLO" with "on"; add "Sandia National Laboratories" to the publisher box and "Albuquerque, NM" to the location box.
M4-8, M4-9	WPO#31070, WPO#31072, WPO#31082, WPO#31083. Add "Sandia National Laboratories" to the publisher box and "Albuquerque, NM" to the location box.
M4-8, M4-9	WPO#31084. Add "Sandia National Laboratories" to the publisher box.
M4-8, M4-9	WPO#31168, WPO#31171, WPO#31174, WPO#31175, WPO#31185, WPO#31186, WPO#31217, WPO#31218, WPO#31220, WPO#31221, WPO#31235, WPO#31368. Add "Sandia National Laboratories" to the publisher box and "Albuquerque, NM" to the location box.
M4-8, M4-9	WPO#31379. Add middle initial "E." to "P. Drez" the author box; add "CTAC" to the publisher box.
M4-8, M4-9	WPO#31904, WPO#32038. Add "Sandia National Laboratories" to the publisher box and "Albuquerque, NM" to the location box.
M4-8, M4-9	WPO#32281, WPO#32287, WPO#32288. Add "Sandia National Laboratories" to the publisher box.
M4-8, M4-9	WPO#32290. Add the word "Units" to the end of this memo title. Add "Sandia National Laboratories" to the publisher box and "Albuquerque, NM" to the location box.
M4-10, M4-11	WPO#32291. Correct the spelling of the word "Addendum" in the title box. Replace "Lori" with "L.J." in the author box. Add "Albuquerque, NM" to the location box.
M4-10, M4-11	WPO#32328. Correct the report number in the journal box: DOE/CAO-95-1121, Rev. 2. Add "DOE/CAO" to the publisher box and "Carlsbad, NM" to the location box.
M4-10, M4-11	WPO#34618. In the title box, insert a space between "McFadden" and "(DOE)"; insert first initial "D." before "R. Anderson" and correct the spelling of the word "Waste". In the author box, add McFadden's middle initial "H." Add "DOE/CAO" to the publisher box and "Carlsbad, NM" to the location box.
M4-10, M4-11	WPO#35134. Add the word "Concerning" as the first word of the title. Add "Sandia National Laboratories" to the publisher box.
M4-10, M4-11	WPO#35148. Add "Sandia National Laboratories" to the publisher box.
M4-10, M4-11	WPO#35183, WPO#35193, WPO#35194, WPO#35266, WPO#35268. Add "Sandia National Laboratories" to the publisher box and "Albuquerque, NM" to the location box.
M4-10, M4-11	WPO#35269. Add "Sandia National Laboratories" to the publisher box..
M4-10, M4-11	WPO#35270. In the author box, replace "Jim" with "J." Add "Sandia National Laboratories" to the publisher box and "Albuquerque, NM" to the location box.
M4-10, M4-11	WPO#35271. Change the spelling of "Modeling" in the title box. Insert the date "19-Feb-96" in the date box. Add "Sandia National Laboratories" to the publisher box and "Albuquerque, NM" to the location box.
M4-10, M4-11	WPO#35330. Add "Sandia National Laboratories" to the publisher box.

Page	Change / Reference Information
M4-10, M4-11	WPO#35695 = WPO#47189. This memo is in the records database as WPO#47189. It is not listed in the table of contents for WPO#35695. Delete the text in parentheses in the title box. Change the text in the author box to read: J.W. Berglund. Add "Sandia National Laboratories" to the publisher box and "Albuquerque, NM" to the location box.
M4-10, M4-11	WPO#35835. In the author box, close up the space between Bynum's initials. Add "Sandia National Laboratories" to the publisher box.
M4-10, M4-11	WPO#35850, WPO#35852. Replace Papenguth's first name with the initials "H.W." Add "Sandia National Laboratories" to the publisher box and "Albuquerque, NM" to the location box.
M4-10, M4-11	WPO#35854. Replace the incorrect first name in the author box with the initials "M.K." Add "Sandia National Laboratories" to the publisher box and "Albuquerque, NM" to the location box.
M4-10, M4-11	WPO#35855, WPO#35856. Replace Papenguth's first name with his initials, "H.W." Add "Sandia National Laboratories" to the publisher box and "Albuquerque, NM" to the location box.
M4-10, M4-11	WPO#36041. Add "Sandia National Laboratories" to the publisher box.
M4-12, M4-13	WPO#36051. Add "Sandia National Laboratories" to the publisher box and "Albuquerque, NM" to the location box.
M4-12, M4-13	WPO#36053. Replace "SNL" with "Sandia National Laboratories" in the publisher box.
M4-12, M4-13	WPO#36058. Add "Sandia National Laboratories" to the publisher box.
M4-12, M4-13	WPO#36203. Correct the spelling of the word "Castile" in the title box.
M4-12, M4-13	WPO#36205. Add "Sandia National Laboratories" to the publisher box.
M4-12, M4-13	WPO#36301. Add the text "D. Stoelzel" to the author box and the date "3-Apr-96" to the date box. Add "Sandia National Laboratories" to the publisher box and "Albuquerque, NM" to the location box.
M4-12, M4-13	WPO#36320, WPO#36380. Add "Sandia National Laboratories" to the publisher box.
M4-12, M4-13	WPO#36455. Add middle initial "L." to "R. Beauheim" in the author box. Add "Sandia National Laboratories" to the publisher box and "Albuquerque, NM" to the location box.
M4-12, M4-13	WPO#36456. Add middle initial "L." to "R. Beauheim" in the author box. Add "Sandia National Laboratories" to the publisher box.
M4-12, M4-13	WPO#36489. Transpose the author's initials and surname to read "M.G. Wallace." Add "Sandia National Laboratories" to the publisher box and "Albuquerque, NM" to the location box.
M4-12, M4-13	WPO#36491. Correct the spelling of the word "Resistance" in the title box. Add middle initial "G." to "M. Wallace." Add "Sandia National Laboratories" to the publisher box and "Albuquerque, NM" to the location box.
M4-12, M4-13	WPO#36723. Add "Sandia National Laboratories" to the publisher box.

Page	Change / Reference Information
M4-12, M4-13	WPO#36766. Initial capitalize the word "Use" in the title box. Replace "Hans W." with "H.W." in the author box. Add "Sandia National Laboratories" to the publisher box and "Albuquerque, NM" to the location box.
M4-12, M4-13	WPO#36771. Replace "Hans W." with "H.W." in the author box. Add "Sandia National Laboratories" to the publisher box and "Albuquerque, NM" to the location box.
M4-12, M4-13	WPO#36772. Insert the word "Halites" after the word "Salado" in the title box. Add "idpram: PRMX_LOG" to the end of the title. Add "Sandia National Laboratories" to the publisher box.
M4-12, M4-13	WPO#37061. Close up the space between the author's initials. Add "Sandia National Laboratories" to the publisher box.
M4-12, M4-13	WPO#37147. Replace "Jon" with "J." in the author box. Add "Sandia National Laboratories" to the publisher box.
M4-12, M4-13	WPO#37148. Add "Sandia National Laboratories" to the publisher box.
M4-12, M4-13	WPO#37223, WPO#37225. Add "Sandia National Laboratories" to the publisher box and "Albuquerque, NM" to the location box.
M4-14, M4-15	WPO#37227, WPO#37228. Add "Sandia National Laboratories" to the publisher box and "Albuquerque, NM" to the location box.
M4-14, M4-15	WPO#37230, WPO#37231. Add McCord's middle initial "T." in the author box. Add "Sandia National Laboratories" to the publisher box and "Albuquerque, NM" to the location box.
M4-14, M4-15	WPO#37314. Add Siegel's middle initial "D." in the author box.
M4-14, M4-15	WPO#37400. Add the following to the end of this title: Support the WIPP CCA. Close up the space between the author's initials in the author box. Add "Sandia National Laboratories" to the publisher box. Correct spelling of title word "Solution."
M4-14, M4-15	WPO#37401, WPO#37402. Add "Sandia National Laboratories" to the publisher box.
M4-14, M4-15	WPO#37404. Replace "Larry" with "L." in the author box. Add "Sandia National Laboratories" to the publisher box and "Albuquerque, NM" to the location box.
M4-14, M4-15	WPO#37465. In the title box, insert a space between "T." and "Corbet". In the author box, insert Corbet's middle initial "F."
M4-14, M4-15	WPO#37522. Insert Papenguth's middle initial "W." in the author box.
M4-14, M4-15	WPO#37533. In the title box, make the m in "Cm" lowercase and add the following to the end of the title: to Support the WIPP CCA. Add "Sandia National Laboratories" to the publisher box.
M4-14, M4-15	WPO#37542, WPO#37713. Add "Sandia National Laboratories" to the publisher box.
M4-14, M4-15	WPO#37799. Close up the space between Bynum's initials in the author box. Add "Sandia National Laboratories" to the publisher box.
M4-14, M4-15	WPO#37804. Add "Sandia National Laboratories" to the publisher box.

Page	Change / Reference Information
M4-14, M4-15	WPO#37822. Insert Siegel's middle initial "D." in the author box. Add "Sandia National Laboratories" to the publisher box.
M4-14, M4-15	WPO#37970, WPO#38214. Add "Sandia National Laboratories" to the publisher box.
M4-16, M4-17	WPO#38217. Add "Sandia National Laboratories" to the publisher box.
M4-16, M4-17	WPO#38231. Change "Dissolve" to "Dissolved" in the title box. Transpose the author's initials and surname to read "L.H. Brush." Add "Sandia National Laboratories" to the publisher box.
M4-16, M4-17	WPO#38274, WPO#38333, WPO#38337, WPO#38343, WPO#38344, WPO#38449, WPO#38450, WPO#38454. Add "Sandia National Laboratories" to the publisher box.
M4-16, M4-17	WPO#38455. Insert Tierney's middle initial "S." in the author box. Add "Sandia National Laboratories" to the publisher box.
M4-16, M4-17	WPO#38456, WPO#38568, WPO#38569. Add "Sandia National Laboratories" to the publisher box.
M4-16, M4-17	WPO#38769. Move "Solutions Engineering" from the author box to the publisher box. Add "Colorado" to the location box.
M4-16, M4-17	WPO#38801. Add "Sandia National Laboratories" to the publisher box.
M4-16, M4-17	WPO#38819. Insert "USDOE/CAO" in the publisher box and "Carlsbad, NM" in the location box.
M4-16, M4-17	WPO#38928. Correct the date of this memo to 6/7/96. This memo is a one-page record.
M4-16, M4-17	WPO#38928 (2 nd entry) = WPO#38939.
M4-16, M4-17	WPO#38941. Add "Sandia National Laboratories" to the publisher box.
M4-18, M4-19	WPO#39058, WPO#39065. Add "Sandia National Laboratories" to the publisher box.
M4-18, M4-19	WPO#39169. Insert "INTERA Inc." in the publisher box.
M4-18, M4-19	WPO#39178, WPO#39179. Add "Sandia National Laboratories" to the publisher box.
M4-18, M4-19	WPO#39260. Insert "1996" in the date box. Add "Sandia National Laboratories" to the publisher box and "Albuquerque, NM" to the location box.
M4-18, M4-19	WPO#39353, WPO#39355. Add "Sandia National Laboratories" to the publisher box.
M4-18, M4-19	WPO#39365. Insert the author's initials as "M.G." and delete the lowercase "m"; add "Sandia National Laboratories" to the publisher box and "Albuquerque, NM" to the location box.
M4-18, M4-19	WPO#39371. Replace the code name before the word "Skin" with "SECOTP2D". Add "Sandia National Laboratories" to the publisher box.
M4-18, M4-19	WPO#40133. Insert the author's middle initial "M." in the author box. Add "Sandia National Laboratories" to the publisher box.
M4-18, M4-19	WPO#40199. Insert the author's middle initial "S." in the author box. Add "Sandia National Laboratories" to the publisher box and "Albuquerque, NM" to the location box.

Page	Change / Reference Information
M4-18, M4-19	WPO#40432, WPO#40434. Add "Sandia National Laboratories" to the publisher box.
M4-18, M4-19	WPO#40486. Replace Palmer Vaughn's first name with the initial "P." and Mike Lord's first name with the initial "M." Add "Sandia National Laboratories" to the publisher box and "Albuquerque, NM" to the location box.
M4-18, M4-19	WPO#40511. Add "Sandia National Laboratories" to the publisher box.
M4-18, M4-19	WPO#40512. Transpose Bynum's initials and surname to read "R.V. Bynum." Add "Sandia National Laboratories" to the publisher box and "Albuquerque, NM" to the location box.
M4-18, M4-19	WPO#40514. Transpose Vaughn's initials and surname to read "P.M. Vaughn." Add "Albuquerque, NM" to the location box.
M4-18, M4-19	WPO#40515. Transpose Shinta's initials and surname to read "A.A. Shinta." Add "Albuquerque, NM" to the location box.
M4-18, M4-19	WPO#40516. Transpose Ramsey's initials and surname to read "J.L. Ramsey." Add "Albuquerque, NM" to the location box.
M4-18, M4-19	WPO#40520. Transpose Stoelzel's initials and surname to read "D.M. Stoelzel." Add "Albuquerque, NM" to the location box.
M4-20, M4-21	WPO#40521. Insert a space between "Task" and "5" in the title box. Transpose Berglund's initials and surname to read "J.W. Berglund." Add "Albuquerque, NM" to the location box.
M4-20, M4-21	WPO#40524. Transpose Helton's initials and surname to read "J.C. Helton." Add "Albuquerque, NM" to the location box.
M4-20, M4-21	WPO#41131. Replace the word "Draft" with "Report" in the title box.
M4-20, M4-21	WPO#41556, WPO#41557, WPO#41558. Replace "Mary-Alena" with "M.A." in the author box. Add "Sandia National Laboratories" to the publisher box and "Albuquerque, NM" to the location box.
M4-20, M4-21	WPO#41559. Replace "Christine" with "C.T." and "Larry" with "L." in the author box. Reformat the date as "28-Oct-96". Add "Sandia National Laboratories" to the publisher box and "Albuquerque, NM" to the location box. In the title box, remove the word "Request."
M4-20, M4-21	WPO#41560. Insert a space between "for" and "Use" in the title box. Reformat the date as "28-Oct-96". Add "Sandia National Laboratories" to the publisher box and "Albuquerque, NM" to the location box.
M4-20, M4-21	WPO#41662. Replace "Jon" with "J." in the author box. Add "30-Oct-96" to the date box. Add "Sandia National Laboratories" to the publisher box and "Albuquerque, NM" to the location box.
M4-20, M4-21	WPO#42046. Replace "Larry" with "L." in the author box. Add "Sandia National Laboratories" to the publisher box and "Albuquerque, NM" to the location box.
M4-20, M4-21	WPO#42257. Add "Sandia National Laboratories" to the publisher box and "Albuquerque, NM" to the location box.
M4-20, M4-21	WPO#42263. Add "1996" to the date box. Add "Sandia National Laboratories" to the publisher box and "Albuquerque, NM" to the location box.

Page	Change / Reference Information
M4-20, M4-21	WPO#42681. Add "Sandia National Laboratories" to the publisher box.
M4-20, M4-21	WPO#42701. Insert the following in the title box: "Effectiveness of Passive Institutional Controls in Reducing Inadvertent Human Intrusion into the Waste Isolation Pilot Plant for Use in Performance Assessments." Add the following to the journal box: "WIPP-CAO-96-3168." Add "WIPP/CAO" to the publisher and "Carlsbad, NM" to the location box.
M4-20, M4-21	WPO#42714. Replace "Mary-Alena" with "M." and "Charlene" with "C." in the author box. Add "Sandia National Laboratories" to the publisher box and "Albuquerque, NM" to the location box.
M4-20, M4-21	WPO#42750. Insert a space between "of" and "Use" in the title box. Replace "Mary-Alena" with "M." and "Charlene" with "C." in the author box. Add "Sandia National Laboratories" to the publisher box and "Albuquerque, NM" to the location box.
M4-20, M4-21	WPO#42751. Remove the word "the" that precedes the word "Use" in the title box. Replace "Mary-Alena" with "M." Add "Sandia National Laboratories" to the publisher box and "Albuquerque, NM" to the location box.
M4-20, M4-21	WPO#42752. Replace "Mary-Alena" with "M." and "Charlene" with "C." in the author box. Add "Sandia National Laboratories" to the publisher box and "Albuquerque, NM" to the location box.
M4-20, M4-21	WPO#43751. Add "Sandia National Laboratories" to the publisher box and "Albuquerque, NM" to the location box.
	Appendix N
N-3	The correct WPO# for CL_M_T2 is WPO#32117.

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Appendix A1

Materials Dictionary

Materials

Material ID	Material Description
AC225	Actinium 225
AC227	Actinium 227
AC228	Actinium 228
AM	Americium
AM+3	Americium III
AM241	Americium 241
AM243	Americium 243
ASPHALT	Asphalt column
AT217	Astatine 217
BA137	Barium 137
BA137M	Barium 137 Metastable
BH_CREEP	Creep Borehole Fill
BH_OPEN	Borehole Unrestricted
BH_SAND	Borehole filled with silty sand
BI211	Bismuth 211
BI212	Bismuth 212
BI213	Bismuth 213
BI214	Bismuth 214
BLOWOUT	BRAGFLOW Direct Brine Releases
BOREHOLE	Borehole and Fill
BRINESAL	Salado Brine
CASTILER	Castile Brine Reservoir
CAVITY_1	Cavity for Waste Areas
CAVITY_2	Cavity for Non-waste Areas
CAVITY_3	Cavity for Shaft
CAVITY_4	Cavity for Borehole
CELLULS	Cellulose
CF	Californium
CF252	Californium 252
CLAY_BOT	Shaft Bottom Clay
CLAY_RUS	Rustler Compacted Clay Column
CL_L_T1	Lower Salado clay: 0 to 10 years
CL_L_T2	Lower Salado clay: 10 to 25 years
CL_L_T3	Lower Salado clay: 25 to 50 years
CL_L_T4	Lower Salado clay: 50 to 10K years
CL_M_T1	Upper Salado clay: 0 to 10 years
CL_M_T2	Upper Salado clay: 10 to 25 years
CL_M_T3	Upper Salado clay: 25 to 50 years
CL_M_T4	Upper Salado clay: 50 to 100 years
CL_M_T5	Upper Salado clay: 100 to 10K years
CM243	Curium 243
CM244	Curium 244
CM245	Curium 245
CM248	Curium 248
CONC_MON	Concrete Monolith
CONC_PLG	Concrete Plug, surface and Rustler
CONC_T1	Concrete column: 0 to 400 years
CONC_T2	Concrete column: 400 to 10K years
CS	Cesium
CS137	Cesium 137
CULEBRA	Culebra member of the Rustler formation
DEWYLAKE	Dewey Lake Red Beds

Materials

Material ID	Material Description
DRILLMUD	Drilling Mud
DRZ_0	Disturbed rock zone; time period -5 to 0 years
DRZ_1	Disturbed rock zone; time period 0 to 1000 years
EARTH	Earthen Fill
EXP_AREA	Experimental Area
FORTYNIN	Forty Niner Member
FR221	Francium 221
GLOBAL	Information that applies globally
H2	Hydrogen Gas
IMPERM_Z	Impermeable Zones
MAGENTA	Magenta Member
ND143	Neodymium 143
NITRATE	Nitrate
NP	Neptunium
NP+4	Neptunium IV
NP+5	Neptunium V
NP237	Neptunium 237
NP239	Neptunium 239
OPS_AREA	Operations Region
PA231	Protactinium 231
PA233	Protactinium 233
PA234M	Protactinium 234 Metastable
PAN_SEAL	Panel Seal
PB	Lead
PB209	Lead 209
PB210	Lead 210
PB211	Lead 211
PB212	Lead 212
PB214	Lead 214
PHUMOX3	Proportionality Constant, +3 State, Humic Colloids
PHUMOX4	Proportionality constant with humic colloids for actinide in oxidation state IV
PHUMOX5	Proportionality constant with humic colloids for actinide in oxidation state V
PHUMOX6	Proportionality constant with humic colloids for actinide in oxidation state VI
PM147	Promethium 147
PO212	Polonium 212
PO213	Polonium 213
PO214	Polonium 214
PO215	Polonium 215
PO216	Polonium 216
PO218	Polonium 218
PU	Plutonium
PU+3	Plutonium III
PU+4	Plutonium IV
PU238	Plutonium 238
PU239	Plutonium 239
PU240	Plutonium 240
PU241	Plutonium 241
PU242	Plutonium 242
PU244	Plutonium 244
RA	Radium
RA223	Radium 223
RA224	Radium 224

Materials

Material ID	Material Description
RA225	Radium 225
RA226	Radium 226
RA228	Radium 228
REFCON	Reference Constant
REPOSIT	Repository regions outside of Panel region
RN219	Radon 219
RN220	Radon 220
RN222	Radon 222
SALT_T1	Shaft salt column compacted: time 0 to 10 years
SALT_T2	Shaft salt column compacted: time 10 to 25 years
SALT_T3	Shaft salt column compacted: time 25 to 50 years
SALT_T4	Shaft salt column compacted: time 50 to 100 years
SALT_T5	Shaft salt column compacted: time 100 to 200 years
SALT_T6	Shaft salt column compacted: time 200 to 10K years
SANTAROS	Santa Rosa Formation
SHFT_DRZ	Disturbed Rock Around Shaft
SM147	Samarium 147
SOLAM3	Solubility Multiplier for Am+3
SOLMOD3	Oxidation state III model
SOLMOD4	Oxidation state IV model
SOLMOD5	Oxidation state V model
SOLMOD6	Oxidation state VI model
SOLPU3	Solubility Multiplier for Pu+3
SOLPU4	Solubility Multiplier for Pu+4
SOLTH4	Solubility Multiplier for Th+4
SOLU4	Solubility Multiplier for U+4
SOLU6	Solubility Multiplier for U+6
SR	Strontium
SR90	Strontium 90
STEEL	Generic steel in waste
SULFATE	Sulfate
S_ANH_AB	Salado anhydrite beds A and B, intact and fractured
S_HALITE	Salado halite, intact
S_MB138	Salado marker bed 138, intact and fractured
S_MB139	Salado marker bed 139, intact and fractured
TAMARISK	Tamarisk Member
TH	Thorium
TH+4	Thorium IV
TH227	Thorium 227
TH228	Thorium 228
TH229	Thorium 229
TH230	Thorium 230
TH231	Thorium 231
TH232	Thorium 232
TH234	Thorium 234
TL207	Thallium 207
U	Uranium
U+4	Uranium IV
U+6	Uranium VI
U233	Uranium 233
U234	Uranium 234
U235	Uranium 235

Materials

Material ID	Material Description
U236	Uranium 236
U238	Uranium 238
UNNAMED	Unnamed Lower Member of Rustler Formation
WAS_AREA	Waste emplacement area and waste
Y90	Yttrium 90
ZR90	Zirconium 90

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Appendix A2

Parameter Property Dictionary

Parameters

Parameter ID	Parameter Description	Units
ABERM	Area of Berm Placed Over Waste Panel	m ²
ABSTROUGH	Absolute roughness of material	m
ACF_CH4	Acentric Factors - CH4	NONE
ACF_CO2	Acentric Factors - CO2	NONE
ACF_H2	Acentric Factors - H2	NONE
ACF_H2S	Acentric Factors - H2S	NONE
ACF_N2	Acentric Factors - N2	NONE
ACF_O2	Acentric Factors - O2	NONE
AL2	Log2	NONE
APORO	Waste permeability in CUTTINGS model	m ²
APOROS	Culebra Advective Porosity	NONE
AREA_CH	Area For CH Waste Disposal in CCDFGF Model	m ²
AREA_RH	Area for RH waste disposal in CCDFGF model	m ²
AREA_ZRO	Area in Waste Panels Not Used For Disposal (CCDFGF Model)	m ²
ASDRUM	Surface area of corrodable metal per drum	m ²
ATMPA	Conversion from std. atmosphere to Pa	Pa/atm
ATWEIGHT	Atomic Weight in kg/mole	kg/mole
AVOGADRO	Avogadro's number	1/mol
BBLG	Conversion from barrel to gallon	gal/bbl
BKLINK	Klinkenberg B Correction Parameters for H2 gas	Pa
CAPHUM	Maximum Concentration of Actinide with Mobile Humic Colloids	moles/liter
CAPMIC	Maximum Concentration of Actinide on Microbe Colloids	moles/liter
CAP_MOD	Model number, capillary pressure model	NONE
CEMENT	Waste Cementation Strength	Pa
CITOBQ	Curie to Becquerel Conversion	Bq/Ci
CLIMTIDX	Climate Index	NONE
CLOSMOD	Closure Surface Model	NONE
COLDIA	Drill collar diameter in CUTTINGS model	m
COMPRES	Brine Compressibility	Pa ⁻¹
COMP_RCK	Bulk Compressibility	Pa ⁻¹
CONCINT	Actinide Concentration with Mobile Actinide Intrinsic Colloids	moles/liter
CONCMIN	Actinide Concentration with Mobile Mineral Fragment Colloids	moles/liter
CORRMCO2	Inundated corrosion rate for steel without CO2 present	m/s
CORRWCO2	Inundated corrosion rate for steel with CO2 present	m/s
CUMPROB	Cumulative Probability	NONE
DARM2	Conversion from darcy to m ²	m ² /darcy
DAYSEC	Conversion from days to seconds	s/day
DCELLCHW	Average density of cellulose in CH waste	kg/m ³
DCELLRHW	Average density of cellulose in RH waste	kg/m ³
DIAMMOD	Modern or current diameter	m
DIRNCCHW	Bulk density of iron containers, CH waste	kg/m ³
DIRNCRHW	Bulk density of iron containers, RH waste	kg/m ³
DIRONCHW	Average density of iron-based material in CH waste	kg/m ³
DIRONRHW	Average density of iron-based material in RH waste	kg/m ³
DISPT_L	Transverse dispersivity	m
DISP_L	Longitudinal dispersivity	m
DNSFLUID	Brine Density	kg/m ³
DNSGRAIN	Material Grain Density	kg/m ³
OMEGA	Drill string angular velocity (0)	rad/s
DPHIMAX	Incremental increase in porosity relative to intact conditions	NONE
DPLASCHW	Average density of plastics in CH waste	kg/m ³
DPLASRHW	Average density of plastics in RH waste	kg/m ³

Parameters

Parameter ID	Parameter Description	Units
DPLSCCHW	Bulk density of plastic liners, CH waste	kg/m ³
DPLSCRHW	Bulk density of plastic liners, RH waste	kg/m ³
DPOROS	Diffusive Porosity for Culebra Dolomite	NONE
DRROOM	Number of drums, per room, in ideal packing	NONE
DRUBBCHW	Average density of rubber in CH waste	kg/m ³
DRUBBRHW	Average density of rubber in RH waste	kg/m ³
DTORT	Diffusive Tortuosity	NONE
EPAREL	EPA Release Limit	Ci/wuf
ETHICK	Effective Thickness	m
EXPKLINK	Klinkenberg b correction parameters for H2 gas	NONE
F3M3	Conversion from ft ³ to m ³	m ³ /ft ³
FBETA	Factor beta for microbial reaction rates	NONE
FCE	Cementation Scaling Factor	NONE
FGE	Gravity effectiveness factor in CUTTINGS model	NONE
FPICD	PIC multiplicative factor for human intrusion by drilling	NONE
FPICM	PIC multiplicative factor for human intrusion by mining	NONE
FSE	Stress effectiveness factor in CUTTINGS model	NONE
FTM	Conversion from feet to meter	m/ft
FTORT	Fracture Tortuosity	NONE
FVW	Fraction of Repository Volume Occupied By Waste In CCDFGF Model	NONE
GAS_MIN	Gas rate cut-off	mscf/day
GRATMICH	Gas Production Rate, Microbial, Humid Conditions Relative to Inundated Rate	mol/kg*s
GRATMICI	Gas production rate, microbial, inundated conditions	mol/kg*s
GRAVACC	Standard gravitational acceleration	m/s ²
GRIDFLO	Index for Selecting a Brine Pocket	NONE
GTI3	Conversion from gallon to in ³	in ³ /gal
HALFLIFE	Half-life	s
HMBLKLT	Culebra Half Matrix-Block Length	m
HREPO	Height of repository at burial time in CUTTINGS model	m
HRH	Emplaced Height of Remote Handled Waste in CCDFGF Model	m
HUMCORR	Humid corrosion rate for steel	m/s
IFRX	Index for fracture perm. enhancement in X-direction	NONE
IFRY	Index for fracture perm. enhancement in Y-direction	NONE
IFRZ	Index for fracture perm. enhancement in Z-direction	NONE
INPORO	Default value for initial repository porosity in CUTTINGS model	NONE
INVCHD	Inventory of Contact Handled Design	Ci
INVRHD	Inventory of Remote Handled Design	Ci
INV_AR	The area of the repository in the CUTTINGS model	m ²
KGAS	Ratio of specific heats for Hydrogen in CUTTINGS model	NONE
KGLB	Conversion from kg to lb	lb/kg
KMAXLOG	Log of Maximum Permeability in Altered Anhydrite Flow Model Anhydrites	log(m ^{**2})
KPT	Flag for Permeability Determined Threshold	NONE
L1	Drill collar length in CUTTINGS model	m
L2	Drill pipe length when repository penetrated, CUTTINGS model	m
LAMBDAD	Drilling Rate Per Unit Area	(km ^{~2})yr ^{~1}
LBKG	Conversion from lb to kg	kg/lb
LOGSOLM	Log of the Radionuclide Solubility	Log(moles/l)
MAXFLOW	Maximum blowout flow	s
MD0	Molecular diffusion in pure fluid	m ² /s
MEA_STOR	Measured Storativity	NONE
MINERT	Mining rate from 40 CFR 194	yr ^{~1}
MINFLOW	Minimum blowout flow	s

Parameters

Parameter ID	Parameter Description	Units
MINP_FAC	Mining Transmissivity Multiplier	NONE
MKD_AM	Matrix Partition Coefficient for Americium	m ³ /kg
MKD_NP	Matrix Partition Coefficient for Neptunium	m ³ /kg
MKD_PU	Matrix Partition Coefficient for Plutonium	m ³ /kg
MKD_TH	Matrix Partition Coefficient for Thorium	m ³ /kg
MKD_U	Matrix Partition Coefficient for Uranium	m ³ /kg
MW_CH2O	Molecular Weight - CH2O	kg/mol
MW_FE	Molecular Weight - FE	kg/mol
MW_H2	Molecular Weight - H2	kg/mol
MW_H2O	Molecular Weight - H2O	kg/mol
OMEGAA	Constants for RKS EOS	NONE
OMEGAB	Constants for RDS EOS	NONE
OXSTAT	Index for the Oxidation State	NONE
PARTDIA	Waste Particle Diameter in CUTTINGS Model	m
PASCP	Conversion from Pa*s to cP	cP/Pa*s
PBRINE	Prob. that Drilling Intrusion In Excavated Area Encounter Pressurized Brine	NONE
PCT_A	Threshold Pressure Linear Parameter	Pa
PCT_EXP	Threshold pressure exponential parameter	NONE
PC_CH4	Critical Pressure of CH4	Pa
PC_CO2	Critical Pressure of CO2	Pa
PC_H2	Critical Pressure of H2	Pa
PC_H2S	Critical Pressure of H2S	Pa
PC_MAX	Maximum allowable capillary pressure	Pa
PC_N2	Critical Pressure of N2	Pa
PC_O2	Critical Pressure of O2	Pa
PF_DELTA	Incremental pressure for full fracture development	Pa
PHUMCIM	Proportionality Const., Humic Colloids, Castile Brine, MgO controls pH	moles/liter
PHUMSIM	Proportionality Const. of Actinides in Salado Brine w/Humic Colloids, Inorganic	moles/liter
PI	Mathematical constant: PI	NONE
PIPED	Drill pipe diameter in CUTTINGS model	m
PI_DELTA	Fracture initiation pressure increment	Pa
PLGPAT	Index for Plugging Pattern After Drilling Intrusion	NONE
PMLT_HI	Log triangular distribution high value for permeability	log(m ²)
PMLT_LO	Log triangular distribution low value for permeability	log(m ²)
PMLT_MD	Log triangular distribution mode for permeability	log(m ²)
PORE_DIS	Brooks-Corey pore distribution parameter	NONE
POROSITY	Effective porosity	NONE
PO_MIN	Minimum brine pressure for capillary model KPC=3	Pa
PRESSURE	Brine far-field pore pressure	Pa
PRMX_LOG	Log of intrinsic permeability, X-direction	log(m ²)
PRMY_LOG	Log of intrinsic permeability, Y-direction	log(m ²)
PRMZ_LOG	Log of intrinsic permeability, Z-direction	log(m ²)
PROBDEG	Prob. of plastics&rubber biodegradation in event of microbial gas generation	NONE
PROPMIC	Moles of Actinide Mobilized on Microbe Colloids per Moles Dissolved	moles/liter
PSIPA	Conversion from psi to pascal	Pa*in ² /lb
PSUF	Surface atmospheric pressure at elevation 1039m in CUTTINGS model	Pa
QINIT	Initial quantity of material in waste	moles
R	Gas constant R	J/mol*K
RADN_DRZ	DRZ outer radius at each shaft	m/m
REF_PRES	Reference pressure for porosity	Pa
REF_TEMP	Reference Temperature	K
REL_P_MOD	Model number, relative permeability model	NONE

Parameters

Parameter ID	Parameter Description	Units
RE_CAST	External drainage radius for the Castile formation	m
RGAS	Gas Constant for Hydrogen	N*m/kg/degK
RHOS	Waste Particle Density in CUTTINGS_S Model	kg/m^3
RHW_AR	The total area of the remote-handled waste in the CUTTINGS model	m^2
ROOM	Equivalent radius of one room in CUTTINGS model	m
ROUGHFP	Friction factor for very rough pipe in CUTTINGS model	NONE
RPANEL	Equivalent radius of one panel in CUTTINGS model	m
RSH_AIR	Air-supply shaft radius (3.09 m)	m
RSH_EXH	Air-exhaust shaft radius (2.3 m)	m
RSH_SAL	Salt-handling shaft radius (1.8 m)	m
RSH_WAS	Waste-handling shaft radius (3.5 m)	m
RTK	Conversion from Rankine to K	K/rankine
SAL_USAT	Average saturation, unsaturated zones	NONE
SAT_IBRN	Initial Brine Saturation	NONE
SAT_RBRN	Residual Brine Saturation	NONE
SAT_RGAS	Residual Gas Saturation	NONE
SAT_WICK	Index for computing wicking	NONE
SECYR	Seconds to years Conversion	yr/s
SKIN_RES	Skin Resistance	NONE
SOLCIM	Solubility Mult. in Castile Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	moles/liter
SOLSIM	Solubility Mult. in Salado Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	moles/liter
STOIFX	Stoichiometric factor - X	NONE
SUFTEN	Surface tension of brine in CUTTINGS model	N/m
TA	Time Active Institutional Controls at WIPP Site Are Effective	yr
TAUFAL	Effective shear strength for erosion (rfail)	Pa
TC_CH4	Critical temperature: Methane (CH4)	K
TC_CO2	Critical temperature: Carbon Dioxide (CO2)	K
TC_H2	Critical temperature: Hydrogen (H2)	K
TC_H2S	Critical temperature: Hydrogen Sulfide (H2S)	K
TC_N2	Critical temperature: Nitrogen (N2)	K
TC_O2	Critical temperature: Oxygen (O2)	K
THCK_CAS	Thickness of the Castile formation	m
THICK	Thickness of feature or layer	m
TPICD	Time over which passive institutional controls reduce rate of drilling	yr
TPICM	Time over which passive institutional controls reduce rate of mining	yr
TRANSIDX	Index for selecting realizations of the Transmissivity Field	NONE
TREPO	Temperature of repository in CUTTINGS model	K
VISC	Hydrogen Viscosity in CUTTINGS Model	Pa*s
VISCO	Viscosity	Pa*s
VOLCHW	BIR total volume of CH waste	m^3
VOLRHW	BIR total volume of RH waste	m^3
VOLUME	Total Reservoir Volume	m^3
VOLWP	Uncompacted Volume of Waste Panels In CCDFGF Model	m^3
VPANLEX	Excavated volume of one panel	m^3
VREPOS	Excavated storage volume of repository	m^3
VROOM	Volume of one room in repository	m^3
WTF	Mass fraction of salt in brine	NONE
WUF	Unit of Waste	Curies
YLDSTRSS	Yield Stress Point	Pa
YRSEC	Conversion from mean solar or tropical year to seconds	s/yr
ZCINK	Zero Celcius in Kelvin	K

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Appendix A3

Parameter Tables

Tables Keyed to Material Region Areas of Grid

Table	Title
1	Borehole, Blowout, Drillmud
1A	Borehole Concrete Plug
1B	Borehole Open
1C	Borehole Silty Sand
1D	Borehole Creep
2	Shaft DRZ
3	Earthen Fill
4	Rustler Compacted Clay
5	Asphalt
6	Shaft Concrete
7	Shaft Crushed Salt (time periods 1 - 6)
8	Upper Shaft Clay (time periods 1 - 5)
9	Lower Shaft Clay (time periods 1 - 4)
10	Bottom Clay Component
11	Concrete Monolith
12	Santa Rosa Formation
13	Dewey Lake Red Beds
14	Forty Niner Member
15	Magenta Dolomite
16	Tamarisk Member
17	Culebra Dolomite
18	Unnamed Lower Member
19A	Salado Halite
19B	Salado Brine
20	Marker Bed 138
21	Anhydrite Beds A&B
22	Disturbed Rock Zone
23A	Waste Panel
23B	Waste Chemistry
24A	Rest of Repository
24B	Predisposal Cavities
25	Panel Closure
26	Operations Region
27	Experimental Area
28	Marker Bed 139
29	Castile Formation
30A	Castile Reservoir
30B	Castile Brine
31	Global
32	Reference Constants

1. Borehole, Blowout, Drilimud

ID	Material	Parameter	Units	Distribution	Mean	Median	Deviation	Low	High	Entry Date	Impt	WPO	Codes
3251	BLOWOUT	PSUF	Pa	CONSTANT	8.95E+04	8.95E+04	0.00E+00	8.95E+04	8.95E+04	4/25/96	4A	37093	CS
3252	BLOWOUT	VISC	Pa*s	CONSTANT	9.20E-06	9.20E-06	0.00E+00	9.20E-06	9.20E-06	4/25/96	3	37094	CS
3258	BLOWOUT	TREPO	K	CONSTANT	3.00E+02	3.00E+02	0.00E+00	3.00E+02	3.00E+02	4/25/96	4A	37101	CS
3473	BLOWOUT	THCK_CAS	m	CONSTANT	1.23E+01	1.23E+01	0.00E+00	1.23E+01	1.23E+01	6/6/96	4B	38213	DBR
3257	BLOWOUT	SUFTEN	N/m	CONSTANT	8.00E-02	8.00E-02	0.00E+00	8.00E-02	8.00E-02	4/25/96	3	37100	CS
3249	BLOWOUT	RPANEL	m	CONSTANT	6.09E+01	6.09E+01	0.00E+00	6.09E+01	6.09E+01	4/25/96	4B	37091	CS
3248	BLOWOUT	ROOM	m	CONSTANT	1.71E+01	1.71E+01	0.00E+00	1.71E+01	1.71E+01	4/25/96	4B	37090	CS
3247	BLOWOUT	RHOS	kg/m^3	CONSTANT	2.65E+03	2.65E+03	0.00E+00	2.65E+03	2.65E+03	4/25/96	4B	37089	CS
3259	BLOWOUT	APORO	m^2	CONSTANT	1.70E-13	1.70E-13	0.00E+00	1.70E-13	1.70E-13	4/25/96	1	37102	CS
3456	BLOWOUT	RE_CAST	m	CONSTANT	1.14E+02	1.14E+02	0.00E+00	1.14E+02	1.14E+02	6/6/96	4B	38208	DBR
3246	BLOWOUT	PARTDIA	m	LOGUNIFORM	2.35E-02	2.80E-03	4.24E-02	4.00E-05	2.00E-01	5/3/96	1	37088	CS
3472	BLOWOUT	MINFLOW	s	CONSTANT	2.59E+05	2.59E+05	0.00E+00	2.59E+05	2.59E+05	6/6/96	4B	38211	DBR
3471	BLOWOUT	MAXFLOW	s	CONSTANT	9.50E+05	9.50E+05	0.00E+00	9.50E+05	9.50E+05	6/6/96	4B	38210	DBR
3254	BLOWOUT	KGAS	NONE	CONSTANT	1.41E+00	1.41E+00	0.00E+00	1.41E+00	1.41E+00	4/25/96	3	37096	CS
3260	BLOWOUT	INPORO	NONE	CONSTANT	8.49E-01	8.49E-01	0.00E+00	8.49E-01	8.49E-01	4/25/96	4B	37103	CS
3250	BLOWOUT	HREPO	m	CONSTANT	3.96E+00	3.96E+00	0.00E+00	3.96E+00	3.96E+00	4/25/96	4B	37092	CS
3470	BLOWOUT	GAS_MIN	mscft/day	CONSTANT	1.00E+02	1.00E+02	0.00E+00	1.00E+02	1.00E+02	6/6/96	4B	38209	DBR
3255	BLOWOUT	FSE	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4/25/96	4B	37097	CS
3256	BLOWOUT	FGE	NONE	CONSTANT	1.81E+01	1.81E+01	0.00E+00	1.81E+01	1.81E+01	4/25/96	4B	37098	CS
3420	BLOWOUT	FCE	NONE	CONSTANT	1.00E+00	1.00E+00	0.00E+00	1.00E+00	1.00E+00	5/2/96	4B	37668	CS
3245	BLOWOUT	CEMENT	Pa	CONSTANT	6.90E+03	6.90E+03	0.00E+00	6.90E+03	6.90E+03	4/25/96	4B	37087	CS
3253	BLOWOUT	RGAS	N*m/kg/degk	CONSTANT	4.12E+03	4.12E+03	0.00E+00	4.12E+03	4.12E+03	4/25/96	3	37095	CS
3239	BOREHOLE	INV_AR	m^2	CONSTANT	1.12E+05	1.12E+05	0.00E+00	1.12E+05	1.12E+05	4/25/96	4B	37081	CS
23	BOREHOLE	CAP_MOD	NONE	CONSTANT	2.00E+00	2.00E+00	0.00E+00	2.00E+00	2.00E+00	2/20/96	4B	31486A	BF
3242	BOREHOLE	COLDIA	m	CONSTANT	2.03E-01	2.03E-01	0.00E+00	2.03E-01	2.03E-01	4/25/96	4B	37084	CS
25	BOREHOLE	COMP_RCK	Pa^-1	CONSTANT	2.64E-09	2.64E-09	0.00E+00	2.64E-09	2.64E-09	2/20/96	4A	31510	BF
33	BOREHOLE	PRESSURE	Pa	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	11/5/96	5	31524*	BF
3414	BOREHOLE	WUF	Curies	CONSTANT	3.44E+00	3.44E+00	0.00E+00	3.44E+00	3.44E+00	12/4/96	2	37137A	CS
2254	BOREHOLE	TAUFAIL	Pa	UNIFORM	5.03E+00	5.03E+00	2.90E+00	5.00E-02	1.00E+01	4/25/96	1	31536	CS
42	BOREHOLE	SAT_RGAS	NONE	CONSTANT	2.00E-01	2.00E-01	0.00E+00	2.00E-01	2.00E-01	2/20/96	4A	31535	BF
41	BOREHOLE	SAT_RBRN	NONE	CONSTANT	2.00E-01	2.00E-01	0.00E+00	2.00E-01	2.00E-01	10/31/95	4A	31533	BF
3240	BOREHOLE	ROUGH	NONE	CONSTANT	8.00E-02	8.00E-02	0.00E+00	8.00E-02	8.00E-02	4/25/96	3	37082	CS
3261	BOREHOLE	RHW_AR	m^2	CONSTANT	1.58E+04	1.58E+04	0.00E+00	1.58E+04	1.58E+04	4/25/96	4B	37104	CS
40	BOREHOLE	REL_PMOD	NONE	CONSTANT	4.00E+00	4.00E+00	0.00E+00	4.00E+00	4.00E+00	10/31/95	4B	31532	BF
38	BOREHOLE	PTINDEX	NONE	UNIFORM	5.00E-01	5.00E-01	2.89E-01	0.00E+00	1.00E+00	11/5/96	5	31530*	BF
36	BOREHOLE	PRMZ_LOG	log(m^2)	NORMAL	-1.22E+01	-1.25E+01	-5.67E+00	-1.40E+01	-1.10E+01	10/31/95	-4B	31528	BF
26	BOREHOLE	DIAMMOD	m	CONSTANT	3.11E-01	3.11E-01	0.00E+00	3.11E-01	3.11E-01	2/22/96	4B	31511	BF
34	BOREHOLE	PRMX_LOG	log(m^2)	NORMAL	-1.22E+01	-1.25E+01	-5.67E+00	-1.40E+01	-1.10E+01	10/31/95	4B	31525	BF
27	BOREHOLE	OMEGA	rad/s	CUMULATIVE	8.63E+00	7.80E+00	3.16E+00	4.20E+00	2.30E+01	1/9/95	4B	31512	CS
31	BOREHOLE	POROSITY	NONE	CONSTANT	5.00E-02	5.00E-02	0.00E+00	5.00E-02	5.00E-02	2/21/96	4A	31522	BF
30	BOREHOLE	PORE_DIS	NONE	CONSTANT	9.40E-01	9.40E-01	0.00E+00	9.40E-01	9.40E-01	2/20/96	4A	31521	BF
32	BOREHOLE	PO_MIN	Pa	CONSTANT	1.01E+05	1.01E+05	0.00E+00	1.01E+05	1.01E+05	2/21/96	4B	31523	BF
3241	BOREHOLE	PIPED	m	CONSTANT	1.14E-01	1.14E-01	0.00E+00	1.14E-01	1.14E-01	4/25/96	4B	37083	CS
3121	BOREHOLE	PCT_EXP	NONE	CONSTANT	-3.46E-01	-3.46E-01	0.00E+00	-3.46E-01	-3.46E-01	2/21/96	4B	36363	BF
3120	BOREHOLE	PCT_A	Pa	CONSTANT	5.60E-01	5.60E-01	0.00E+00	5.60E-01	5.60E-01	2/21/96	4B	36362A	BF
29	BOREHOLE	PC_MAX	Pa	CONSTANT	1.00E+08	1.00E+08	0.00E+00	1.00E+08	1.00E+08	2/20/96	4B	31514	BF
3243	BOREHOLE	L2	m	CONSTANT	4.72E+02	4.72E+02	0.00E+00	4.72E+02	4.72E+02	4/25/96	4B	37085	CS
3244	BOREHOLE	L1	m	CONSTANT	1.83E+02	1.83E+02	0.00E+00	1.83E+02	1.83E+02	4/25/96	4B	37086	CS
3122	BOREHOLE	KPT	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2/21/96	4B	36361	BF
35	BOREHOLE	PRMY_LOG	log(m^2)	NORMAL	-1.22E+01	-1.25E+01	-5.67E+00	-1.40E+01	-1.10E+01	10/31/95	4B	31527	BF
173	DRILLMUD	YLDSTRSS	Pa	CUMULATIVE	5.98E+00	4.40E+00	3.70E+00	2.40E+00	1.92E+01	1/9/97	4B	32751	CS

1. Borehole, Blowout, Drillingmud

ID	Material	Parameter	Units	Distribution	Mean	Median	Deviation	Low	High	Entry Date	Impt	WPO	Codes
171	DRILLMUD	DNSFLUID	kg/m ³	CUMULATIVE	1.21E+03	1.21E+03	5.00E+01	1.14E+03	1.38E+03	1/9/97	4B	32748	CS
172	DRILLMUD	VISCO	Pa's	CUMULATIVE	1.10E-02	9.17E-03	5.32E-03	5.00E-03	3.00E-02	1/9/97	4B	32750	CS

1A. Borehole Concrete Plug

ID	Material	Parameter	Units	Distribution	Mean	Median	Deviation	Low	High	Entry Date	Impt	WPO	Codes
3153	CONC_PLG	SAT_RGAS	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3/14/96	4B	36597	BF
3152	CONC_PLG	SAT_RBRN	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3/14/96	4B	36596	BF
3149	CONC_PLG	REL_P_MOD	NONE	CONSTANT	4.00E+00	4.00E+00	0.00E+00	4.00E+00	4.00E+00	3/14/96	4B	36592	BF
3193	CONC_PLG	PRMZ_LOG	log(m ²)	CONSTANT	-1.63E+01	-1.63E+01	0.00E+00	-1.63E+01	-1.63E+01	3/14/96	1	36657	BF
3192	CONC_PLG	PRMY_LOG	log(m ²)	CONSTANT	-1.63E+01	-1.63E+01	0.00E+00	-1.63E+01	-1.63E+01	3/14/96	1	36656	BF
3185	CONC_PLG	PRMX_LOG	log(m ²)	CONSTANT	-1.63E+01	-1.63E+01	0.00E+00	-1.63E+01	-1.63E+01	3/14/96	1	36642	BF
3147	CONC_PLG	POROSITY	NONE	CONSTANT	3.20E-01	3.20E-01	0.00E+00	3.20E-01	3.20E-01	3/14/96	4B	36589	BF
3154	CONC_PLG	PORE_DIS	NONE	CONSTANT	9.40E-01	9.40E-01	0.00E+00	9.40E-01	9.40E-01	3/14/96	4B	36598	BF
3155	CONC_PLG	PO_MIN	Pa	CONSTANT	1.01E+05	1.01E+05	0.00E+00	1.01E+05	1.01E+05	3/14/96	4B	36599	BF
3158	CONC_PLG	PCT_EXP	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3/14/96	4B	36603	BF
3157	CONC_PLG	PCT_A	Pa	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3/14/96	4B	36601	BF
3151	CONC_PLG	PC_MAX	Pa	CONSTANT	1.00E+08	1.00E+08	0.00E+00	1.00E+08	1.00E+08	3/14/96	4B	36595	BF
3156	CONC_PLG	KPT	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3/14/96	4B	36600	BF
3148	CONC_PLG	COMP_RCK	Pa ⁻¹	CONSTANT	1.20E-09	1.20E-09	0.00E+00	1.20E-09	1.20E-09	5/2/96	4B	36591	BF
3150	CONC_PLG	CAP_MOD	NONE	CONSTANT	1.00E+00	1.00E+00	0.00E+00	1.00E+00	1.00E+00	3/14/96	4B	36593	BF

1B. Borehole Open

ID	Material	Parameter	Units	Distribution	Mean	Median	Deviation	Low	High	Entry Date	Impt	WPO	Codes
3141	BH_OPEN	SAT_RGAS	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3/14/96	4B	36571	BF
3140	BH_OPEN	SAT_RBRN	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3/14/96	4B	36570	BF
3137	BH_OPEN	REL_P_MOD	NONE	CONSTANT	5.00E+00	5.00E+00	0.00E+00	5.00E+00	5.00E+00	3/14/96	4B	36567	BF
3187	BH_OPEN	PRMZ_LOG	log(m ²)	CONSTANT	-9.00E+00	-9.00E+00	0.00E+00	-9.00E+00	-9.00E+00	3/14/96	4B	36650	BF
3186	BH_OPEN	PRMY_LOG	log(m ²)	CONSTANT	-9.00E+00	-9.00E+00	0.00E+00	-9.00E+00	-9.00E+00	3/14/96	4B	36649	BF
3134	BH_OPEN	PRMX_LOG	log(m ²)	CONSTANT	-9.00E+00	-9.00E+00	0.00E+00	-9.00E+00	-9.00E+00	3/14/96	4B	36564	BF
3135	BH_OPEN	POROSITY	NONE	CONSTANT	3.20E-01	3.20E-01	0.00E+00	3.20E-01	3.20E-01	3/14/96	4B	36565	BF
3142	BH_OPEN	PORE_DIS	NONE	CONSTANT	7.00E-01	7.00E-01	0.00E+00	7.00E-01	7.00E-01	3/14/96	4B	36572	BF
3143	BH_OPEN	PO_MIN	Pa	CONSTANT	1.01E+05	1.01E+05	0.00E+00	1.01E+05	1.01E+05	3/14/96	4B	36584	BF
3146	BH_OPEN	PCT_EXP	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3/14/96	4B	36588	BF
3145	BH_OPEN	PCT_A	Pa	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3/14/96	4B	36586	BF
3139	BH_OPEN	PC_MAX	Pa	CONSTANT	1.00E+08	1.00E+08	0.00E+00	1.00E+08	1.00E+08	3/14/96	4B	36569	BF
3144	BH_OPEN	KPT	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3/14/96	4B	36585	BF
3136	BH_OPEN	COMP_RCK	Pa ⁻¹	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3/14/96	4B	36566	BF
3138	BH_OPEN	CAP_MOD	NONE	CONSTANT	1.00E+00	1.00E+00	0.00E+00	1.00E+00	1.00E+00	3/14/96	4B	36568	BF

1C. Borehole Silty Sand

ID	Material	Parameter	Units	Distribution	Mean	Median	Deviation	Low	High	Entry Date	Impt	WPO	Codes
3165	BH_SAND	SAT_RGAS	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3/14/96	4B	36615	BF
3164	BH_SAND	SAT_RBRN	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3/14/96	4B	36614	BF
3161	BH_SAND	REL_P_MOD	NONE	CONSTANT	4.00E+00	4.00E+00	0.00E+00	4.00E+00	4.00E+00	3/14/96	4B	36611	BF
3191	BH_SAND	PRMZ_LOG	log(m ²)	UNIFORM	-1.25E+01	-1.25E+01	8.66E-01	-1.40E+01	-1.10E+01	3/14/96	1	36655	BF
3190	BH_SAND	PRMY_LOG	log(m ²)	UNIFORM	-1.25E+01	-1.25E+01	8.66E-01	-1.40E+01	-1.10E+01	3/14/96	1	36654	BF
3184	BH_SAND	PRMX_LOG	log(m ²)	UNIFORM	-1.25E+01	-1.25E+01	8.66E-01	-1.40E+01	-1.10E+01	3/14/96	1	36641	BF
3159	BH_SAND	POROSITY	NONE	CONSTANT	3.20E-01	3.20E-01	0.00E+00	3.20E-01	3.20E-01	3/14/96	4B	36605	BF
3166	BH_SAND	PORE_DIS	NONE	CONSTANT	9.40E-01	9.40E-01	0.00E+00	9.40E-01	9.40E-01	3/14/96	4B	36616	BF
3167	BH_SAND	PO_MIN	Pa	CONSTANT	1.01E+05	1.01E+05	0.00E+00	1.01E+05	1.01E+05	3/14/96	4B	36617	BF
3170	BH_SAND	PCT_EXP	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3/14/96	4B	36621	BF
3169	BH_SAND	PCT_A	Pa	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3/14/96	4B	36620	BF
3163	BH_SAND	PC_MAX	Pa	CONSTANT	1.00E+08	1.00E+08	0.00E+00	1.00E+08	1.00E+08	3/14/96	4B	36613	BF
3168	BH_SAND	KPT	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3/14/96	4B	36619	BF
3160	BH_SAND	COMP_RCK	Pa ⁻¹	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3/14/96	4B	36610	BF
3162	BH_SAND	CAP_MOD	NONE	CONSTANT	1.00E+00	1.00E+00	0.00E+00	1.00E+00	1.00E+00	3/14/96	4B	36612	BF

1D. Borehole Creep

ID	Material	Parameter	Units	Distribution	Mean	Median	Deviation	Low	High	Entry Date	Impt	WPO	Codes
3177	BH_CREEP	SAT_RGAS	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3/14/96	4B	36631	BF
3176	BH_CREEP	SAT_RBRN	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3/14/96	4B	36630	BF
3173	BH_CREEP	REL_P_MOD	NONE	CONSTANT	4.00E+00	4.00E+00	0.00E+00	4.00E+00	4.00E+00	3/14/96	4B	36626	BF
3189	BH_CREEP	PRMZ_LOG	log(m ²)	UNIFORM	-1.35E+01	-1.35E+01	8.66E-01	-1.50E+01	-1.20E+01	3/14/96	1	36653	BF
3188	BH_CREEP	PRMY_LOG	log(m ²)	UNIFORM	-1.35E+01	-1.35E+01	8.66E-01	-1.50E+01	-1.20E+01	3/14/96	1	36652	BF
3183	BH_CREEP	PRMX_LOG	log(m ²)	UNIFORM	-1.35E+01	-1.35E+01	8.66E-01	-1.50E+01	-1.20E+01	3/14/96	1	36640	BF
3171	BH_CREEP	POROSITY	NONE	CONSTANT	3.20E-01	3.20E-01	0.00E+00	3.20E-01	3.20E-01	3/14/96	4B	36624	BF
3178	BH_CREEP	PORE_DIS	NONE	CONSTANT	9.40E-01	9.40E-01	0.00E+00	9.40E-01	9.40E-01	3/14/96	4B	36633	BF
3179	BH_CREEP	PO_MIN	Pa	CONSTANT	1.01E+05	1.01E+05	0.00E+00	1.01E+05	1.01E+05	3/14/96	4B	36634	BF
3182	BH_CREEP	PCT_EXP	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3/14/96	4B	36639	BF
3181	BH_CREEP	PCT_A	Pa	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3/14/96	4B	36637	BF
3175	BH_CREEP	PC_MAX	Pa	CONSTANT	1.00E+08	1.00E+08	0.00E+00	1.00E+08	1.00E+08	3/14/96	4B	36628	BF
3180	BH_CREEP	KPT	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3/14/96	4B	36636	BF
3172	BH_CREEP	COMP_RCK	Pa ⁻¹	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3/14/96	4B	36625	BF
3174	BH_CREEP	CAP_MOD	NONE	CONSTANT	1.00E+00	1.00E+00	0.00E+00	1.00E+00	1.00E+00	3/14/96	4B	36627	BF

2. Shaft DRZ

ID	Material	Parameter	Units	Distribution	Mean	Median	Deviation	Low	High	Entry Date	Impt	WPO	Codes
3133	SHFT_DRZ	PRMX_LOG	log(m ²)	TRIANGULAR	-1.53E+01	-1.50E+01	6.24E-01	-1.70E+01	-1.40E+01	3/1/96	1	36563	BF

3. Earthen Fill

ID	Material	Parameter	Units	Distribution	Mean	Median	Deviation	Low	High	Entry Date	Impt	WPO	Codes
2504	EARTH	PRMY_LOG	log(m ²)	TRIANGULAR	-1.43E+01	-1.40E+01	1.03E+00	-1.70E+01	-1.20E+01	2/14/96	1	32928	BF
2497	EARTH	COMP_RCK	Pa ⁻¹	CONSTANT	3.10E-08	3.10E-08	0.00E+00	3.10E-08	3.10E-08	2/14/96	1	32918	BF
2706	EARTH	KPT	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2/20/96	4B	32919	BF
2498	EARTH	PC_MAX	Pa	CONSTANT	1.00E+08	1.00E+08	0.00E+00	1.00E+08	1.00E+08	11/3/95	4B	32922A	BF
2707	EARTH	PCT_A	Pa	CONSTANT	5.60E-01	5.60E-01	0.00E+00	5.60E-01	5.60E-01	2/14/96	1	32920	BF
2708	EARTH	PCT_EXP	NONE	CONSTANT	-3.46E-01	-3.46E-01	0.00E+00	-3.46E-01	-3.46E-01	2/22/96	1	32921	BF
2501	EARTH	PO_MIN	Pa	CONSTANT	1.01E+05	1.01E+05	0.00E+00	1.01E+05	1.01E+05	2/21/96	4B	32925	BF
2499	EARTH	PORE_DIS	NONE	CUMULATIVE	2.52E+00	9.40E-01	2.48E+00	1.10E-01	8.10E+00	2/20/96	1	32923	BF
2500	EARTH	POROSITY	m ³ /m ³	CONSTANT	3.20E-01	3.20E-01	0.00E+00	3.20E-01	3.20E-01	2/14/96	1	32924	BF
2496	EARTH	CAP_MOD	NONE	CONSTANT	2.00E+00	2.00E+00	0.00E+00	2.00E+00	2.00E+00	2/14/96	4B	32916A	BF
2503	EARTH	PRMX_LOG	log(m ²)	TRIANGULAR	-1.43E+01	-1.40E+01	1.03E+00	-1.70E+01	-1.20E+01	2/14/96	1	32927	BF
2512	EARTH	SAT_RGAS	NONE	UNIFORM	2.00E-01	2.00E-01	1.16E-01	0.00E+00	4.00E-01	2/14/96	1	32964	BF
2505	EARTH	PRMZ_LOG	log(m ²)	TRIANGULAR	-1.43E+01	-1.40E+01	1.03E+00	-1.70E+01	-1.20E+01	2/14/96	1	32944	BF
2509	EARTH	RELP_MOD	NONE	CONSTANT	4.00E+00	4.00E+00	0.00E+00	4.00E+00	4.00E+00	2/14/96	4B	32952A	BF
3032	EARTH	RSH_AIR	m	CONSTANT	3.09E+00	3.09E+00	0.00E+00	3.09E+00	3.09E+00	2/15/96	4B	32954A	BF
3035	EARTH	RSH_EXH	m	CONSTANT	2.30E+00	2.30E+00	0.00E+00	2.30E+00	2.30E+00	2/15/96	4B	32956A	BF
3033	EARTH	RSH_SAL	m	CONSTANT	1.80E+00	1.80E+00	0.00E+00	1.80E+00	1.80E+00	2/15/96	4B	32957A	BF
3034	EARTH	RSH_WAS	m	CONSTANT	3.50E+00	3.50E+00	0.00E+00	3.50E+00	3.50E+00	2/15/96	4B	32959A	BF
2510	EARTH	SAT_IBRN	NONE	CONSTANT	8.00E-01	8.00E-01	0.00E+00	8.00E-01	8.00E-01	11/3/95	1	32961	BF
2511	EARTH	SAT_RBRN	NONE	CUMULATIVE	2.50E-01	2.00E-01	1.76E-01	0.00E+00	6.00E-01	2/14/96	1	32963	BF
2502	EARTH	PRESSURE	Pa	CONSTANT	1.01E+05	1.01E+05	0.00E+00	1.01E+05	1.01E+05	2/20/96	1	32926	BF

4. Rustler Compacted Clay

ID	Material	Parameter	Units	Distribution	Mean	Median	Deviation	Low	High	Entry Date	Impt	WPO	Codes
3010	CLAY_RUS	PRMY_LOG	log(m ²)	TRIANGULAR	-1.89E+01	-1.83E+01	7.81E-01	-2.10E+01	-1.73E+01	2/13/96	1	31887	BF
3001	CLAY_RUS	COMP_RCK	Pa ⁻¹	CONSTANT	1.96E-09	1.96E-09	0.00E+00	1.96E-09	1.96E-09	2/13/96	1	31878	BF
3002	CLAY_RUS	KPT	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2/20/96	4B	31879	BF
3003	CLAY_RUS	PC_MAX	Pa	CONSTANT	1.00E+08	1.00E+08	0.00E+00	1.00E+08	1.00E+08	2/13/96	4B	31882A	BF
3004	CLAY_RUS	PCT_A	Pa	CONSTANT	5.60E-01	5.60E-01	0.00E+00	5.60E-01	5.60E-01	2/13/96	1	31880	BF
3005	CLAY_RUS	PCT_EXP	NONE	CONSTANT	-3.46E-01	-3.46E-01	0.00E+00	-3.46E-01	-3.46E-01	2/13/96	1	31881	BF
3131	CLAY_RUS	PO_MIN	Pa	CONSTANT	1.01E+05	1.01E+05	0.00E+00	1.01E+05	1.01E+05	2/26/96	4B	36561	BF
3006	CLAY_RUS	PORE_DIS	NONE	CUMULATIVE	2.52E+00	9.40E-01	2.48E+00	1.10E-01	8.10E+00	2/20/96	1	31883	BF
3007	CLAY_RUS	POROSITY	m ³ /m ³	CONSTANT	2.40E-01	2.40E-01	0.00E+00	2.40E-01	2.40E-01	2/13/96	1	31884	BF
3000	CLAY_RUS	CAP_MOD	NONE	CONSTANT	2.00E+00	2.00E+00	0.00E+00	2.00E+00	2.00E+00	2/13/96	4B	31877A	BF
3009	CLAY_RUS	PRMX_LOG	log(m ²)	TRIANGULAR	-1.89E+01	-1.83E+01	7.81E-01	-2.10E+01	-1.73E+01	2/13/96	1	31886	BF
3015	CLAY_RUS	SAT_RGAS	NONE	UNIFORM	2.00E-01	2.00E-01	1.16E-01	0.00E+00	4.00E-01	2/13/96	1	31896	BF
3011	CLAY_RUS	PRMZ_LOG	log(m ²)	TRIANGULAR	-1.89E+01	-1.83E+01	7.81E-01	-2.10E+01	-1.73E+01	2/13/96	1	31888	BF
3012	CLAY_RUS	RELP_MOD	NONE	CONSTANT	4.00E+00	4.00E+00	0.00E+00	4.00E+00	4.00E+00	2/13/96	4B	31889A	BF
2996	CLAY_RUS	RSH_AIR	m	CONSTANT	3.09E+00	3.09E+00	0.00E+00	3.09E+00	3.09E+00	2/13/96	4B	31890A	BF
2999	CLAY_RUS	RSH_EXH	m	CONSTANT	2.30E+00	2.30E+00	0.00E+00	2.30E+00	2.30E+00	2/13/96	4B	31891A	BF
2997	CLAY_RUS	RSH_SAL	m	CONSTANT	1.80E+00	1.80E+00	0.00E+00	1.80E+00	1.80E+00	2/13/96	4B	31892A	BF
2998	CLAY_RUS	RSH_WAS	m	CONSTANT	3.50E+00	3.50E+00	0.00E+00	3.50E+00	3.50E+00	2/13/96	4B	31893A	BF
3013	CLAY_RUS	SAT_IBRN	NONE	CONSTANT	7.90E-01	7.90E-01	0.00E+00	7.90E-01	7.90E-01	2/13/96	1	31894	BF
3014	CLAY_RUS	SAT_RBRN	NONE	CUMULATIVE	2.50E-01	2.00E-01	1.76E-01	0.00E+00	6.00E-01	2/13/96	1	31895	BF
3008	CLAY_RUS	PRESSURE	Pa	CONSTANT	1.01E+05	1.01E+05	0.00E+00	1.01E+05	1.01E+05	2/20/96	1	31885	BF

5. Asphalt

ID	Material	Parameter	Units	Distribution	Mean	Median	Deviation	Low	High	Entry Date	Impt	WPO	Codes
2284	ASPHALT	PRMY_LOG	log(m^2)	TRIANGULAR	-1.97E+01	-2.00E+01	6.24E-01	-2.10E+01	-1.80E+01	2/13/96	1	31391	BF
2277	ASPHALT	COMP_RCK	Pa^-1	CONSTANT	2.97E-08	2.97E-08	0.00E+00	2.97E-08	2.97E-08	2/13/96	1	31380	BF
3238	ASPHALT	DNSGRAIN	kg/m^3	CONSTANT	2.02E+03	2.02E+03	0.00E+00	2.02E+03	2.02E+03	4/12/96	1	36760	BF/NU
2599	ASPHALT	KPT	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2/20/96	4B	31381	BF
2278	ASPHALT	PC_MAX	Pa	CONSTANT	1.00E+08	1.00E+08	0.00E+00	1.00E+08	1.00E+08	11/3/95	4B	31385A	BF
2600	ASPHALT	PCT_A	Pa	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2/16/96	1	31382	BF
2601	ASPHALT	PCT_EXP	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2/13/96	1	31384	BF
2281	ASPHALT	PO_MIN	Pa	CONSTANT	1.01E+05	1.01E+05	0.00E+00	1.01E+05	1.01E+05	2/21/96	4B	31388	BF
2279	ASPHALT	PORE_DIS	NONE	CUMULATIVE	2.52E+00	9.40E-01	2.48E+00	1.10E-01	8.10E+00	2/21/96	1	31386	BF
2280	ASPHALT	POROSITY	m^3/m^3	CONSTANT	1.00E-02	1.00E-02	0.00E+00	1.00E-02	1.00E-02	2/13/96	1	31387	BF
2276	ASPHALT	CAP_MOD	NONE	CONSTANT	1.00E+00	1.00E+00	0.00E+00	1.00E+00	1.00E+00	11/3/95	4B	31375A	BF
2283	ASPHALT	PRMX_LOG	log(m^2)	TRIANGULAR	-1.97E+01	-2.00E+01	6.24E-01	-2.10E+01	-1.80E+01	2/13/96	1	31390	BF
2292	ASPHALT	SAT_RGAS	NONE	UNIFORM	2.00E-01	2.00E-01	1.16E-01	0.00E+00	4.00E-01	2/13/96	1	31407	BF
2285	ASPHALT	PRMZ_LOG	log(m^2)	TRIANGULAR	-1.97E+01	-2.00E+01	6.24E-01	-2.10E+01	-1.80E+01	2/13/96	1	31392	BF
2933	ASPHALT	RADN_DRZ	m/m	CONSTANT	1.63E+00	1.63E+00	0.00E+00	1.63E+00	1.63E+00	2/13/96	1	31395	BF
2289	ASPHALT	RELP_MOD	NONE	CONSTANT	4.00E+00	4.00E+00	0.00E+00	4.00E+00	4.00E+00	11/3/95	4B	31397A	BF
2929	ASPHALT	RSH_AIR	m	CONSTANT	3.09E+00	3.09E+00	0.00E+00	3.09E+00	3.09E+00	2/13/96	4B	31399A	BF
2932	ASPHALT	RSH_EXH	m	CONSTANT	2.30E+00	2.30E+00	0.00E+00	2.30E+00	2.30E+00	2/13/96	4B	31400A	BF
2930	ASPHALT	RSH_SAL	m	CONSTANT	1.80E+00	1.80E+00	0.00E+00	1.80E+00	1.80E+00	2/13/96	4B	31401A	BF
2931	ASPHALT	RSH_WAS	m	CONSTANT	3.50E+00	3.50E+00	0.00E+00	3.50E+00	3.50E+00	2/13/96	4B	31402A	BF
2290	ASPHALT	SAT_IBRN	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2/13/96	1	31403	BF
2291	ASPHALT	SAT_RBRN	NONE	CUMULATIVE	2.50E-01	2.00E-01	1.76E-01	0.00E+00	6.00E-01	2/13/96	1	31405	BF
2282	ASPHALT	PRESSURE	Pa	CONSTANT	1.01E+05	1.01E+05	0.00E+00	1.01E+05	1.01E+05	2/20/96	1	31389	BF

6. Shaft Concrete

ID	Material	Parameter	Units	Distribution	Mean	Median	Deviation	Low	High	Entry Date	Impt	WPO	Codes
2470	CONC_T1	PRMX_LOG	log(m ²)	TRIANGULAR	-1.88E+01	-1.87E+01	7.55E-01	-2.07E+01	-1.70E+01	2/14/96	1	32583	BF
2463	CONC_T1	CAP_MOD	NONE	CONSTANT	2.00E+00	2.00E+00	0.00E+00	2.00E+00	2.00E+00	2/14/96	4B	32549A	BF
2477	CONC_T1	SAT_IBRN	NONE	CONSTANT	1.00E+00	1.00E+00	0.00E+00	1.00E+00	1.00E+00	2/28/96	1	32621A	BF
3038	CONC_T1	RSH_WAS	m	CONSTANT	3.50E+00	3.50E+00	0.00E+00	3.50E+00	3.50E+00	2/15/96	4B	32617A	BF
3037	CONC_T1	RSH_SAL	m	CONSTANT	1.80E+00	1.80E+00	0.00E+00	1.80E+00	1.80E+00	2/15/96	4B	32609A	BF
3039	CONC_T1	RSH_EXH	m	CONSTANT	2.30E+00	2.30E+00	0.00E+00	2.30E+00	2.30E+00	2/15/96	4B	32608A	BF
3036	CONC_T1	RSH_AIR	m	CONSTANT	3.09E+00	3.09E+00	0.00E+00	3.09E+00	3.09E+00	2/15/96	4B	32607A	BF
2476	CONC_T1	RELP_MOD	NONE	CONSTANT	4.00E+00	4.00E+00	0.00E+00	4.00E+00	4.00E+00	2/14/96	4B	32605A	BF
3040	CONC_T1	RADN_DRZ	m/m	CONSTANT	1.00E+00	1.00E+00	0.00E+00	1.00E+00	1.00E+00	2/15/96	1	32600	BF
2478	CONC_T1	SAT_RBRN	NONE	CUMULATIVE	2.50E-01	2.00E-01	1.76E-01	0.00E+00	6.00E-01	2/14/96	1	32623	BF
2471	CONC_T1	PRMY_LOG	log(m ²)	TRIANGULAR	-1.88E+01	-1.87E+01	7.55E-01	-2.07E+01	-1.70E+01	2/14/96	1	32585	BF
2479	CONC_T1	SAT_RGAS	NONE	UNIFORM	2.00E-01	2.00E-01	1.16E-01	0.00E+00	4.00E-01	2/14/96	1	32625	BF
2469	CONC_T1	PRESSURE	Pa	CONSTANT	1.01E+05	1.01E+05	0.00E+00	1.01E+05	1.01E+05	2/20/96	1	32580	BF
2467	CONC_T1	POROSITY	m ³ /m ³	CONSTANT	5.00E-02	5.00E-02	0.00E+00	5.00E-02	5.00E-02	2/14/96	1	32572	BF
2466	CONC_T1	PORE_DIS	NONE	CUMULATIVE	2.52E+00	9.40E-01	2.48E+00	1.10E-01	8.10E+00	2/20/96	1	32570	BF
2468	CONC_T1	PO_MIN	Pa	CONSTANT	1.01E+05	1.01E+05	0.00E+00	1.01E+05	1.01E+05	2/21/96	4B	32576	BF
2683	CONC_T1	PCT_EXP	NONE	CONSTANT	-3.46E-01	-3.46E-01	0.00E+00	-3.46E-01	-3.46E-01	2/14/96	1	32563	BF
2682	CONC_T1	PCT_A	Pa	CONSTANT	5.60E-01	5.60E-01	0.00E+00	5.60E-01	5.60E-01	2/14/96	1	32561	BF
2465	CONC_T1	PC_MAX	Pa	CONSTANT	1.00E+08	1.00E+08	0.00E+00	1.00E+08	1.00E+08	11/3/95	4B	32567A	BF
2681	CONC_T1	KPT	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2/20/96	4B	32559	BF
2464	CONC_T1	COMP_RCK	Pa ⁻¹	CONSTANT	1.20E-09	1.20E-09	0.00E+00	1.20E-09	1.20E-09	5/2/96	4B	32556	BF
2472	CONC_T1	PRMZ_LOG	log(m ²)	TRIANGULAR	-1.88E+01	-1.87E+01	7.55E-01	-2.07E+01	-1.70E+01	2/14/96	1	32587	BF
2486	CONC_T2	PRMX_LOG	log(m ²)	CONSTANT	-1.40E+01	-1.40E+01	0.00E+00	-1.40E+01	-1.40E+01	11/3/95	1	32662	BF
2494	CONC_T2	SAT_RBRN	NONE	CUMULATIVE	2.50E-01	2.00E-01	1.76E-01	0.00E+00	6.00E-01	2/14/96	1	32676	BF
2493	CONC_T2	SAT_IBRN	NONE	CONSTANT	1.00E+00	1.00E+00	0.00E+00	1.00E+00	1.00E+00	2/21/96	4A	32675	BF
3043	CONC_T2	RSH_WAS	m	CONSTANT	3.50E+00	3.50E+00	0.00E+00	3.50E+00	3.50E+00	2/15/96	4B	32673A	BF
3042	CONC_T2	RSH_SAL	m	CONSTANT	1.80E+00	1.80E+00	0.00E+00	1.80E+00	1.80E+00	2/15/96	4B	32672A	BF
3044	CONC_T2	RSH_EXH	m	CONSTANT	2.30E+00	2.30E+00	0.00E+00	2.30E+00	2.30E+00	2/15/96	4B	32671A	BF
3041	CONC_T2	RSH_AIR	m	CONSTANT	3.09E+00	3.09E+00	0.00E+00	3.09E+00	3.09E+00	2/15/96	4B	32670A	BF
2492	CONC_T2	RELP_MOD	NONE	CONSTANT	4.00E+00	4.00E+00	0.00E+00	4.00E+00	4.00E+00	2/14/96	4B	32669A	BF
3045	CONC_T2	RADN_DRZ	m/m	CONSTANT	1.00E+00	1.00E+00	0.00E+00	1.00E+00	1.00E+00	2/15/96	1	32667	BF
2480	CONC_T2	CAP_MOD	NONE	CONSTANT	2.00E+00	2.00E+00	0.00E+00	2.00E+00	2.00E+00	2/14/96	4B	32631A	BF
2487	CONC_T2	PRMY_LOG	log(m ²)	CONSTANT	-1.40E+01	-1.40E+01	0.00E+00	-1.40E+01	-1.40E+01	11/3/95	1	32663	BF
2495	CONC_T2	SAT_RGAS	NONE	UNIFORM	2.00E-01	2.00E-01	1.16E-01	0.00E+00	4.00E-01	2/14/96	1	32678	BF
2485	CONC_T2	PRESSURE	Pa	CONSTANT	1.01E+05	1.01E+05	0.00E+00	1.01E+05	1.01E+05	2/20/96	4A	32661	BF
2484	CONC_T2	POROSITY	m ³ /m ³	CONSTANT	5.00E-02	5.00E-02	0.00E+00	5.00E-02	5.00E-02	2/14/96	1	32659	BF
2483	CONC_T2	PORE_DIS	NONE	CUMULATIVE	2.52E+00	9.40E-01	2.48E+00	1.10E-01	8.10E+00	2/20/96	1	32658	BF
2808	CONC_T2	PO_MIN	Pa	CONSTANT	1.01E+05	1.01E+05	0.00E+00	1.01E+05	1.01E+05	2/21/96	4B	32660	BF
2688	CONC_T2	PCT_EXP	NONE	CONSTANT	-3.46E-01	-3.46E-01	0.00E+00	-3.46E-01	-3.46E-01	2/14/96	1	32656	BF
2687	CONC_T2	PCT_A	Pa	CONSTANT	5.60E-01	5.60E-01	0.00E+00	5.60E-01	5.60E-01	2/14/96	1	32652	BF
2482	CONC_T2	PC_MAX	Pa	CONSTANT	1.00E+08	1.00E+08	0.00E+00	1.00E+08	1.00E+08	2/14/96	4B	32657A	BF
2686	CONC_T2	KPT	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2/20/96	4B	32640	BF
2481	CONC_T2	COMP_RCK	Pa ⁻¹	CONSTANT	1.20E-09	1.20E-09	0.00E+00	1.20E-09	1.20E-09	5/2/96	4B	32638	BF
2488	CONC_T2	PRMZ_LOG	log(m ²)	CONSTANT	-1.40E+01	-1.40E+01	0.00E+00	-1.40E+01	-1.40E+01	11/3/95	1	32664	BF

7. Crushed Salt

ID	Material	Parameter	Units	Distribution	Mean	Median	Deviation	Low	High	Entry Date	Impt	WPO	Codes
2526	SALT_T1	RELP_MOD	NONE	CONSTANT	4.00E+00	4.00E+00	0.00E+00	4.00E+00	4.00E+00	10/27/95	4B	33405A	BF
2513	SALT_T1	CAP_MOD	NONE	CONSTANT	2.00E+00	2.00E+00	0.00E+00	2.00E+00	2.00E+00	10/27/95	4B	33356A	BF
2529	SALT_T1	SAT_RGAS	NONE	UNIFORM	2.00E-01	2.00E-01	1.16E-01	0.00E+00	4.00E-01	2/13/96	1	33420	BF
2528	SALT_T1	SAT_RBRN	NONE	CUMULATIVE	2.50E-01	2.00E-01	1.76E-01	0.00E+00	6.00E-01	2/13/96	1	33418	BF
2527	SALT_T1	SAT_IBRN	NONE	CONSTANT	3.20E-01	3.20E-01	0.00E+00	3.20E-01	3.20E-01	2/13/96	1	33416	BF
2936	SALT_T1	RSH_WAS	m	CONSTANT	3.50E+00	3.50E+00	0.00E+00	3.50E+00	3.50E+00	2/13/96	4B	33413A	BF
2935	SALT_T1	RSH_SAL	m	CONSTANT	1.80E+00	1.80E+00	0.00E+00	1.80E+00	1.80E+00	2/13/96	4B	33411A	BF
2934	SALT_T1	RSH_AIR	m	CONSTANT	3.09E+00	3.09E+00	0.00E+00	3.09E+00	3.09E+00	2/13/96	4B	33407A	BF
2938	SALT_T1	RADN_DRZ	m/m	CONSTANT	1.81E+00	1.81E+00	0.00E+00	1.81E+00	1.81E+00	2/13/96	1	33401	BF
2519	SALT_T1	PRESSURE	Pa	CONSTANT	1.01E+05	1.01E+05	0.00E+00	1.01E+05	1.01E+05	2/20/96	1	33386	BF
2517	SALT_T1	POROSITY	m ³ /m ³	CONSTANT	5.00E-02	5.00E-02	0.00E+00	5.00E-02	5.00E-02	2/13/96	1	33381	BF
2744	SALT_T1	KPT	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2/20/96	4B	33364	BF
2514	SALT_T1	COMP_RCK	Pa ⁻¹	CONSTANT	1.60E-09	1.60E-09	0.00E+00	1.60E-09	1.60E-09	2/13/96	1	33359	BF
2937	SALT_T1	RSH_EXH	m	CONSTANT	2.30E+00	2.30E+00	0.00E+00	2.30E+00	2.30E+00	2/13/96	4B	33410A	BF
2939	SALT_T1	CUMPROB	NONE	UNIFORM	5.00E-01	5.00E-01	2.88E-01	0.00E+00	1.00E+00	2/13/96	4B	33361A	BF
2516	SALT_T1	PORE_DIS	NONE	CUMULATIVE	2.52E+00	9.40E-01	2.48E+00	1.10E-01	8.10E+00	2/22/96	1	33380	BF
2515	SALT_T1	PC_MAX	Pa	CONSTANT	1.00E+08	1.00E+08	0.00E+00	1.00E+08	1.00E+08	10/27/95	4B	33373A	BF
2745	SALT_T1	PCT_A	Pa	CONSTANT	5.60E-01	5.60E-01	0.00E+00	5.60E-01	5.60E-01	2/13/96	1	33369	BF
2746	SALT_T1	PCT_EXP	NONE	CONSTANT	-3.46E-01	-3.46E-01	0.00E+00	-3.46E-01	-3.46E-01	2/13/96	1	33370	BF
2942	SALT_T1	PMLT_HI	log(m ²)	CONSTANT	-1.23E+01	-1.23E+01	0.00E+00	-1.23E+01	-1.23E+01	2/13/96	1	33375	BF
2941	SALT_T1	PMLT_LO	log(m ²)	CONSTANT	-1.73E+01	-1.73E+01	0.00E+00	-1.73E+01	-1.73E+01	2/13/96	1	33377	BF
2940	SALT_T1	PMLT_MD	log(m ²)	CONSTANT	-1.48E+01	-1.48E+01	0.00E+00	-1.48E+01	-1.48E+01	2/13/96	1	33378	BF
2518	SALT_T1	PO_MIN	Pa	CONSTANT	1.01E+05	1.01E+05	0.00E+00	1.01E+05	1.01E+05	2/21/96	4B	33382	BF
2534	SALT_T2	POROSITY	m ³ /m ³	CONSTANT	5.00E-02	5.00E-02	0.00E+00	5.00E-02	5.00E-02	2/14/96	1	33357	BF
2950	SALT_T2	PMLT_HI	log(m ²)	CONSTANT	-1.23E+01	-1.23E+01	0.00E+00	-1.23E+01	-1.23E+01	2/13/96	1	33440	BF
2545	SALT_T2	SAT_RBRN	NONE	CUMULATIVE	2.50E-01	2.00E-01	1.76E-01	0.00E+00	6.00E-01	2/14/96	1	33391	BF
2945	SALT_T2	RSH_WAS	m	CONSTANT	3.50E+00	3.50E+00	0.00E+00	3.50E+00	3.50E+00	2/13/96	4B	33387A	BF
2944	SALT_T2	RSH_SAL	m	CONSTANT	1.80E+00	1.80E+00	0.00E+00	1.80E+00	1.80E+00	2/13/96	4B	33385A	BF
2946	SALT_T2	RSH_EXH	m	CONSTANT	2.30E+00	2.30E+00	0.00E+00	2.30E+00	2.30E+00	2/13/96	4B	33384A	BF
2943	SALT_T2	RSH_AIR	m	CONSTANT	3.09E+00	3.09E+00	0.00E+00	3.09E+00	3.09E+00	2/13/96	4B	33383A	BF
2543	SALT_T2	RELP_MOD	NONE	CONSTANT	4.00E+00	4.00E+00	0.00E+00	4.00E+00	4.00E+00	2/14/96	4B	33379A	BF
2947	SALT_T2	RADN_DRZ	m/m	CONSTANT	1.11E+00	1.11E+00	0.00E+00	1.11E+00	1.11E+00	2/13/96	1	33374	BF
2546	SALT_T2	SAT_RGAS	NONE	UNIFORM	2.00E-01	2.00E-01	1.16E-01	0.00E+00	4.00E-01	2/14/96	1	33393	BF
2531	SALT_T2	COMP_RCK	Pa ⁻¹	CONSTANT	1.60E-09	1.60E-09	0.00E+00	1.60E-09	1.60E-09	2/14/96	1	33429	BF
2948	SALT_T2	PMLT_MD	log(m ²)	CONSTANT	-1.48E+01	-1.48E+01	0.00E+00	-1.48E+01	-1.48E+01	2/13/96	1	33445	BF
2533	SALT_T2	PORE_DIS	NONE	CUMULATIVE	2.52E+00	9.40E-01	2.48E+00	1.10E-01	8.10E+00	2/22/96	-1	33355	BF
2530	SALT_T2	CAP_MOD	NONE	CONSTANT	2.00E+00	2.00E+00	0.00E+00	2.00E+00	2.00E+00	10/27/95	4B	33424A	BF
2749	SALT_T2	KPT	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2/20/96	4B	33431	BF
2532	SALT_T2	PC_MAX	Pa	CONSTANT	1.00E+08	1.00E+08	0.00E+00	1.00E+08	1.00E+08	10/27/95	4B	33438A	BF
2750	SALT_T2	PCT_A	Pa	CONSTANT	5.60E-01	5.60E-01	0.00E+00	5.60E-01	5.60E-01	2/14/96	1	33433	BF
2751	SALT_T2	PCT_EXP	NONE	CONSTANT	-3.46E-01	-3.46E-01	0.00E+00	-3.46E-01	-3.46E-01	2/14/96	1	33435	BF
2949	SALT_T2	PMLT_LO	log(m ²)	CONSTANT	-1.73E+01	-1.73E+01	0.00E+00	-1.73E+01	-1.73E+01	2/13/96	1	33442	BF
2535	SALT_T2	PO_MIN	Pa	CONSTANT	1.01E+05	1.01E+05	0.00E+00	1.01E+05	1.01E+05	2/21/96	4B	33362	BF
2549	SALT_T3	PC_MAX	Pa	CONSTANT	1.00E+08	1.00E+08	0.00E+00	1.00E+08	1.00E+08	10/27/95	4B	33408A	BF
2952	SALT_T3	RSH_SAL	m	CONSTANT	1.80E+00	1.80E+00	0.00E+00	1.80E+00	1.80E+00	2/13/96	4B	33441A	BF
2552	SALT_T3	PO_MIN	Pa	CONSTANT	1.01E+05	1.01E+05	0.00E+00	1.01E+05	1.01E+05	2/21/96	4B	33419	BF
2951	SALT_T3	RSH_AIR	m	CONSTANT	3.09E+00	3.09E+00	0.00E+00	3.09E+00	3.09E+00	2/13/96	4B	33437A	BF
2560	SALT_T3	RELP_MOD	NONE	CONSTANT	4.00E+00	4.00E+00	0.00E+00	4.00E+00	4.00E+00	10/27/95	4B	33436A	BF
2955	SALT_T3	RADN_DRZ	m/m	CONSTANT	1.00E+00	1.00E+00	0.00E+00	1.00E+00	1.00E+00	2/13/96	1	33432	BF
2551	SALT_T3	POROSITY	m ³ /m ³	CONSTANT	5.00E-02	5.00E-02	0.00E+00	5.00E-02	5.00E-02	2/14/96	1	33417	BF
2550	SALT_T3	PORE_DIS	NONE	CUMULATIVE	2.52E+00	9.40E-01	2.48E+00	1.10E-01	8.10E+00	2/22/96	1	33415	BF

7. Crushed Salt

ID	Material	Parameter	Units	Distribution	Mean	Median	Deviation	Low	High	Entry Date	Impt	WPO	Codes
2954	SALT_T3	RSH_EXH	m	CONSTANT	2.30E+00	2.30E+00	0.00E+00	2.30E+00	2.30E+00	2/13/96	4B	33439A	BF
2956	SALT_T3	PMLT_MD	log(m ²)	CONSTANT	-1.48E+01	-1.48E+01	0.00E+00	-1.48E+01	-1.48E+01	2/13/96	1	33414	BF
2957	SALT_T3	PMLT_LO	log(m ²)	CONSTANT	-1.73E+01	-1.73E+01	0.00E+00	-1.73E+01	-1.73E+01	2/13/96	1	33412	BF
2958	SALT_T3	PMLT_HI	log(m ²)	CONSTANT	-1.23E+01	-1.23E+01	0.00E+00	-1.23E+01	-1.23E+01	2/13/96	1	33409	BF
2755	SALT_T3	PCT_A	Pa	CONSTANT	5.60E-01	5.60E-01	0.00E+00	5.60E-01	5.60E-01	2/14/96	1	33404	BF
2754	SALT_T3	KPT	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2/20/96	4B	33402	BF
2548	SALT_T3	COMP_RCK	Pa ⁻¹	CONSTANT	1.60E-09	1.60E-09	0.00E+00	1.60E-09	1.60E-09	2/14/96	1	33400	BF
2547	SALT_T3	CAP_MOD	NONE	CONSTANT	2.00E+00	2.00E+00	0.00E+00	2.00E+00	2.00E+00	10/27/95	4B	33397A	BF
2563	SALT_T3	SAT_RGAS	NONE	UNIFORM	2.00E-01	2.00E-01	1.16E-01	0.00E+00	4.00E-01	2/14/96	1	33447	BF
2756	SALT_T3	PCT_EXP	NONE	CONSTANT	-3.46E-01	-3.46E-01	0.00E+00	-3.46E-01	-3.46E-01	2/14/96	1	33406	BF
2562	SALT_T3	SAT_RBRN	NONE	CUMULATIVE	2.50E-01	2.00E-01	1.76E-01	0.00E+00	6.00E-01	2/14/96	1	33446	BF
2953	SALT_T3	RSH_WAS	m	CONSTANT	3.50E+00	3.50E+00	0.00E+00	3.50E+00	3.50E+00	2/13/96	4B	33443A	BF
2577	SALT_T4	RELP_MOD	NONE	CONSTANT	4.00E+00	4.00E+00	0.00E+00	4.00E+00	4.00E+00	10/27/95	4B	33553A	BF
2580	SALT_T4	SAT_RGAS	NONE	UNIFORM	2.00E-01	2.00E-01	1.16E-01	0.00E+00	4.00E-01	2/14/96	1	33565	BF
2579	SALT_T4	SAT_RBRN	NONE	CUMULATIVE	2.50E-01	2.00E-01	1.76E-01	0.00E+00	6.00E-01	2/14/96	1	33564	BF
2961	SALT_T4	RSH_WAS	m	CONSTANT	3.50E+00	3.50E+00	0.00E+00	3.50E+00	3.50E+00	2/13/96	4B	33561A	BF
2960	SALT_T4	RSH_SAL	m	CONSTANT	1.80E+00	1.80E+00	0.00E+00	1.80E+00	1.80E+00	2/13/96	4B	33560A	BF
2959	SALT_T4	RSH_AIR	m	CONSTANT	3.09E+00	3.09E+00	0.00E+00	3.09E+00	3.09E+00	2/13/96	4B	33556A	BF
2963	SALT_T4	RADN_DRZ	m/m	CONSTANT	1.00E+00	1.00E+00	0.00E+00	1.00E+00	1.00E+00	2/13/96	1	33540	BF
2568	SALT_T4	POROSITY	m ³ /m ³	CONSTANT	5.00E-02	5.00E-02	0.00E+00	5.00E-02	5.00E-02	2/14/96	1	33467	BF
2567	SALT_T4	PORE_DIS	NONE	CUMULATIVE	2.52E+00	9.40E-01	2.48E+00	1.10E-01	8.10E+00	2/22/96	1	33465	BF
2565	SALT_T4	COMP_RCK	Pa ⁻¹	CONSTANT	1.60E-09	1.60E-09	0.00E+00	1.60E-09	1.60E-09	2/14/96	1	33453	BF
2962	SALT_T4	RSH_EXH	m	CONSTANT	2.30E+00	2.30E+00	0.00E+00	2.30E+00	2.30E+00	2/13/96	4B	33558A	BF
2564	SALT_T4	CAP_MOD	NONE	CONSTANT	2.00E+00	2.00E+00	0.00E+00	2.00E+00	2.00E+00	10/27/95	4B	33449A	BF
2569	SALT_T4	PO_MIN	Pa	CONSTANT	1.01E+05	1.01E+05	0.00E+00	1.01E+05	1.01E+05	2/21/96	4B	33469	BF
2759	SALT_T4	KPT	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2/20/96	4B	33454	BF
2566	SALT_T4	PC_MAX	Pa	CONSTANT	1.00E+08	1.00E+08	0.00E+00	1.00E+08	1.00E+08	10/27/95	4B	33459A	BF
2760	SALT_T4	PCT_A	Pa	CONSTANT	5.60E-01	5.60E-01	0.00E+00	5.60E-01	5.60E-01	2/14/96	1	33456	BF
2761	SALT_T4	PCT_EXP	NONE	CONSTANT	-3.46E-01	-3.46E-01	0.00E+00	-3.46E-01	-3.46E-01	2/14/96	1	33457	BF
2966	SALT_T4	PMLT_HI	log(m ²)	CONSTANT	-1.40E+01	-1.40E+01	0.00E+00	-1.40E+01	-1.40E+01	2/13/96	1	33460	BF
2965	SALT_T4	PMLT_LO	log(m ²)	CONSTANT	-2.29E+01	-2.29E+01	0.00E+00	-2.29E+01	-2.29E+01	2/13/96	1	33461	BF
2964	SALT_T4	PMLT_MD	log(m ²)	CONSTANT	-1.72E+01	-1.72E+01	0.00E+00	-1.72E+01	-1.72E+01	2/13/96	1	33463	BF
2972	SALT_T5	PMLT_MD	log(m ²)	CONSTANT	-1.93E+01	-1.93E+01	0.00E+00	-1.93E+01	-1.93E+01	2/13/96	1	33585	BF
2969	SALT_T5	RSH_WAS	m	CONSTANT	3.50E+00	3.50E+00	0.00E+00	3.50E+00	3.50E+00	2/13/96	4B	33622A	BF
2968	SALT_T5	RSH_SAL	m	CONSTANT	1.80E+00	1.80E+00	0.00E+00	1.80E+00	1.80E+00	2/13/96	4B	33620A	BF
2970	SALT_T5	RSH_EXH	m	CONSTANT	2.30E+00	2.30E+00	0.00E+00	2.30E+00	2.30E+00	2/13/96	4B	33618A	BF
2967	SALT_T5	RSH_AIR	m	CONSTANT	3.09E+00	3.09E+00	0.00E+00	3.09E+00	3.09E+00	2/13/96	4B	33616A	BF
2594	SALT_T5	RELP_MOD	NONE	CONSTANT	4.00E+00	4.00E+00	0.00E+00	4.00E+00	4.00E+00	10/27/95	4B	33614A	BF
2971	SALT_T5	RADN_DRZ	m/m	CONSTANT	1.00E+00	1.00E+00	0.00E+00	1.00E+00	1.00E+00	2/13/96	1	33609	BF
2585	SALT_T5	POROSITY	m ³ /m ³	CONSTANT	5.00E-02	5.00E-02	0.00E+00	5.00E-02	5.00E-02	2/14/96	1	33590	BF
2597	SALT_T5	SAT_RGAS	NONE	UNIFORM	2.00E-01	2.00E-01	1.16E-01	0.00E+00	4.00E-01	2/14/96	1	33628	BF
2596	SALT_T5	SAT_RBRN	NONE	CUMULATIVE	2.50E-01	2.00E-01	1.76E-01	0.00E+00	6.00E-01	2/14/96	1	33626	BF
2973	SALT_T5	PMLT_LO	log(m ²)	CONSTANT	-2.29E+01	-2.29E+01	0.00E+00	-2.29E+01	-2.29E+01	2/13/96	1	33583	BF
2974	SALT_T5	PMLT_HI	log(m ²)	CONSTANT	-1.54E+01	-1.54E+01	0.00E+00	-1.54E+01	-1.54E+01	2/13/96	1	33581	BF
2766	SALT_T5	PCT_EXP	NONE	CONSTANT	-3.46E-01	-3.46E-01	0.00E+00	-3.46E-01	-3.46E-01	2/14/96	1	33577	BF
2765	SALT_T5	PCT_A	Pa	CONSTANT	5.60E-01	5.60E-01	0.00E+00	5.60E-01	5.60E-01	2/14/96	1	33575	BF
2583	SALT_T5	PC_MAX	Pa	CONSTANT	1.00E+08	1.00E+08	0.00E+00	1.00E+08	1.00E+08	10/27/95	4B	33579A	BF
2764	SALT_T5	KPT	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2/20/96	4B	33573	BF
2582	SALT_T5	COMP_RCK	Pa ⁻¹	CONSTANT	1.60E-09	1.60E-09	0.00E+00	1.60E-09	1.60E-09	2/14/96	1	33572	BF
2581	SALT_T5	CAP_MOD	NONE	CONSTANT	2.00E+00	2.00E+00	0.00E+00	2.00E+00	2.00E+00	10/27/95	4B	33568A	BF
2809	SALT_T5	PORE_DIS	NONE	CUMULATIVE	2.52E+00	9.40E-01	2.48E+00	1.10E-01	8.10E+00	2/26/96	1	33588	BF

7. Crushed Salt

ID	Material	Parameter	Units	Distribution	Mean	Median	Deviation	Low	High	Entry Date	Impt	WPO	Codes
3125	SALT_T5	PO_MIN	Pa	CONSTANT	1.01E+05	1.01E+05	0.00E+00	1.01E+05	1.01E+05	2/21/96	4B	36368	BF
2992	SALT_T6	SAT_RBRN	NONE	CUMULATIVE	2.50E-01	2.00E-01	1.76E-01	0.00E+00	6.00E-01	2/13/96	1	33483	BF
2990	SALT_T6	POROSITY	m ³ /m ³	CONSTANT	5.00E-02	5.00E-02	0.00E+00	5.00E-02	5.00E-02	2/13/96	1	33657	BF
2979	SALT_T6	RADN_DRZ	m/m	CONSTANT	1.00E+00	1.00E+00	0.00E+00	1.00E+00	1.00E+00	2/13/96	1	33476	BF
2991	SALT_T6	RELP_MOD	NONE	CONSTANT	4.00E+00	4.00E+00	0.00E+00	4.00E+00	4.00E+00	2/13/96	4B	33478A	BF
2975	SALT_T6	RSH_AIR	m	CONSTANT	3.09E+00	3.09E+00	0.00E+00	3.09E+00	3.09E+00	2/13/96	4B	33479A	BF
2978	SALT_T6	RSH_EXH	m	CONSTANT	2.30E+00	2.30E+00	0.00E+00	2.30E+00	2.30E+00	2/13/96	4B	33480A	BF
2989	SALT_T6	PORE_DIS	NONE	CUMULATIVE	2.52E+00	9.40E-01	2.48E+00	1.10E-01	8.10E+00	2/26/96	1	33655	BF
2977	SALT_T6	RSH_WAS	m	CONSTANT	3.50E+00	3.50E+00	0.00E+00	3.50E+00	3.50E+00	2/13/96	4B	33482A	BF
2987	SALT_T6	PCT_A	Pa	CONSTANT	5.60E-01	5.60E-01	0.00E+00	5.60E-01	5.60E-01	2/13/96	1	33642	BF
2976	SALT_T6	RSH_SAL	m	CONSTANT	1.80E+00	1.80E+00	0.00E+00	1.80E+00	1.80E+00	2/13/96	4B	33481A	BF
3126	SALT_T6	PO_MIN	Pa	CONSTANT	1.01E+05	1.01E+05	0.00E+00	1.01E+05	1.01E+05	2/21/96	4B	36369	BF
2980	SALT_T6	PMLT_MD	log(m ²)	CONSTANT	-2.03E+01	-2.03E+01	0.00E+00	-2.03E+01	-2.03E+01	2/13/96	1	33651	BF
2981	SALT_T6	PMLT_LO	log(m ²)	CONSTANT	-2.29E+01	-2.29E+01	0.00E+00	-2.29E+01	-2.29E+01	2/13/96	1	33650	BF
2988	SALT_T6	PCT_EXP	NONE	CONSTANT	-3.46E-01	-3.46E-01	0.00E+00	-3.46E-01	-3.46E-01	2/13/96	1	33645	BF
2986	SALT_T6	PC_MAX	Pa	CONSTANT	1.00E+08	1.00E+08	0.00E+00	1.00E+08	1.00E+08	2/13/96	4B	33647A	BF
2985	SALT_T6	KPT	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2/20/96	4B	33640	BF
2984	SALT_T6	COMP_RCK	Pa ⁻¹	CONSTANT	1.60E-09	1.60E-09	0.00E+00	1.60E-09	1.60E-09	2/13/96	1	33635	BF
2983	SALT_T6	CAP_MOD	NONE	CONSTANT	2.00E+00	2.00E+00	0.00E+00	2.00E+00	2.00E+00	2/13/96	4B	33633A	BF
2993	SALT_T6	SAT_RGAS	NONE	UNIFORM	2.00E-01	2.00E-01	1.16E-01	0.00E+00	4.00E-01	2/13/96	1	33484	BF
2982	SALT_T6	PMLT_HI	log(m ²)	CONSTANT	-1.77E+01	-1.77E+01	0.00E+00	-1.77E+01	-1.77E+01	2/13/96	1	33648	BF

8. Upper Shaft Clay

ID	Material	Parameter	Units	Distribution	Mean	Median	Deviation	Low	High	Entry Date	Imp	WPO	Codes
3084	CL_M_T1	RSH_AIR	m	CONSTANT	3.09E+00	3.09E+00	0.00E+00	3.09E+00	3.09E+00	2/15/96	4B	32056A	BF
2378	CL_M_T1	CAP_MOD	NONE	CONSTANT	2.00E+00	2.00E+00	0.00E+00	2.00E+00	2.00E+00	2/15/96	4B	32028A	BF
2394	CL_M_T1	SAT_RGAS	NONE	UNIFORM	2.00E-01	2.00E-01	1.16E-01	0.00E+00	4.00E-01	2/15/96	1	32062	BF
2393	CL_M_T1	SAT_RBRN	NONE	CUMULATIVE	2.50E-01	2.00E-01	1.76E-01	0.00E+00	6.00E-01	2/15/96	1	32061	BF
2392	CL_M_T1	SAT_IBRN	NONE	CONSTANT	7.90E-01	7.90E-01	0.00E+00	7.90E-01	7.90E-01	2/15/96	1	32060	BF
3086	CL_M_T1	RSH_WAS	m	CONSTANT	3.50E+00	3.50E+00	0.00E+00	3.50E+00	3.50E+00	2/15/96	4B	32059A	BF
3087	CL_M_T1	RSH_EXH	m	CONSTANT	2.30E+00	2.30E+00	0.00E+00	2.30E+00	2.30E+00	2/15/96	4B	32057A	BF
2391	CL_M_T1	RELP_MOD	NONE	CONSTANT	4.00E+00	4.00E+00	0.00E+00	4.00E+00	4.00E+00	2/15/96	4B	32055A	BF
3088	CL_M_T1	RADN_DRZ	m/m	CONSTANT	1.71E+00	1.71E+00	0.00E+00	1.71E+00	1.71E+00	2/15/96	1	32053	BF
2387	CL_M_T1	PRMZ_LOG	log(m^2)	TRIANGULAR	-1.89E+01	-1.83E+01	7.81E-01	-2.10E+01	-1.73E+01	2/15/96	1	32050	BF
2386	CL_M_T1	PRMY_LOG	log(m^2)	TRIANGULAR	-1.89E+01	-1.83E+01	7.81E-01	-2.10E+01	-1.73E+01	2/15/96	1	32049	BF
2380	CL_M_T1	PC_MAX	Pa	CONSTANT	1.00E+08	1.00E+08	0.00E+00	1.00E+08	1.00E+08	11/3/95	4B	32043A	BF
3085	CL_M_T1	RSH_SAL	m	CONSTANT	1.80E+00	1.80E+00	0.00E+00	1.80E+00	1.80E+00	2/15/96	4B	32058A	BF
2656	CL_M_T1	KPT	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2/20/96	4B	32040	BF
2385	CL_M_T1	PRMX_LOG	log(m^2)	TRIANGULAR	-1.89E+01	-1.83E+01	7.81E-01	-2.10E+01	-1.73E+01	2/15/96	1	32048	BF
2657	CL_M_T1	PCT_A	Pa	CONSTANT	5.60E-01	5.60E-01	0.00E+00	5.60E-01	5.60E-01	2/15/96	1	32041	BF
2658	CL_M_T1	PCT_EXP	NONE	CONSTANT	-3.46E-01	-3.46E-01	0.00E+00	-3.46E-01	-3.46E-01	2/15/96	1	32042	BF
2383	CL_M_T1	PO_MIN	Pa	CONSTANT	1.01E+05	1.01E+05	0.00E+00	1.01E+05	1.01E+05	2/21/96	4B	32046	BF
2381	CL_M_T1	PORE_DIS	NONE	CUMULATIVE	2.52E+00	9.40E-01	2.48E+00	1.10E-01	8.10E+00	2/20/96	1	32044	BF
2382	CL_M_T1	POROSITY	m^3/m^3	CONSTANT	2.40E-01	2.40E-01	0.00E+00	2.40E-01	2.40E-01	2/15/96	1	32045	BF
2384	CL_M_T1	PRESSURE	Pa	CONSTANT	1.01E+05	1.01E+05	0.00E+00	1.01E+05	1.01E+05	2/20/96	1	32047	BF
2379	CL_M_T1	COMP_RCK	Pa^-1	CONSTANT	1.81E-09	1.81E-09	0.00E+00	1.81E-09	1.81E-09	2/15/96	1	32039	BF
2404	CL_M_T2	PRMZ_LOG	log(m^2)	TRIANGULAR	-1.89E+01	-1.83E+01	7.81E-01	-2.10E+01	-1.73E+01	2/15/96	1	32125	BF
2661	CL_M_T2	KPT	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2/20/96	4B	32067	BF
2411	CL_M_T2	SAT_RGAS	NONE	UNIFORM	2.00E-01	2.00E-01	1.16E-01	0.00E+00	4.00E-01	2/15/96	1	32137	BF
2410	CL_M_T2	SAT_RBRN	NONE	CUMULATIVE	2.50E-01	2.00E-01	1.76E-01	0.00E+00	6.00E-01	2/15/96	1	32136	BF
3091	CL_M_T2	RSH_WAS	m	CONSTANT	3.50E+00	3.50E+00	0.00E+00	3.50E+00	3.50E+00	2/15/96	4B	32134A	BF
3090	CL_M_T2	RSH_SAL	m	CONSTANT	1.80E+00	1.80E+00	0.00E+00	1.80E+00	1.80E+00	2/15/96	4B	32133A	BF
3092	CL_M_T2	RSH_EXH	m	CONSTANT	2.30E+00	2.30E+00	0.00E+00	2.30E+00	2.30E+00	2/15/96	4B	32132A	BF
3089	CL_M_T2	RSH_AIR	m	CONSTANT	3.09E+00	3.09E+00	0.00E+00	3.09E+00	3.09E+00	2/5/96	4B	32131A	BF
2408	CL_M_T2	RELP_MOD	NONE	CONSTANT	4.00E+00	4.00E+00	0.00E+00	4.00E+00	4.00E+00	2/15/96	4B	32130A	BF
3093	CL_M_T2	RADN_DRZ	m/m	CONSTANT	1.47E+00	1.47E+00	0.00E+00	1.47E+00	1.47E+00	2/15/96	1	32128	BF
2396	CL_M_T2	COMP_RCK	Pa^-1	CONSTANT	1.81E-09	1.81E-09	0.00E+00	1.81E-09	1.81E-09	2/15/96	1	32066	BF
2402	CL_M_T2	PRMX_LOG	log(m^2)	TRIANGULAR	-1.89E+01	-1.83E+01	7.81E-01	-2.10E+01	-1.73E+01	2/15/96	1	32123	BF
2399	CL_M_T2	POROSITY	m^3/m^3	CONSTANT	2.40E-01	2.40E-01	0.00E+00	2.40E-01	2.40E-01	2/15/96	1	32120	BF
2398	CL_M_T2	PORE_DIS	NONE	CUMULATIVE	2.52E+00	9.40E-01	2.48E+00	1.10E-01	8.10E+00	2/20/96	1	32119	BF
2400	CL_M_T2	PO_MIN	Pa	CONSTANT	1.01E+05	1.01E+05	0.00E+00	1.01E+05	1.01E+05	2/21/96	4B	32121	BF
2663	CL_M_T2	PCT_EXP	NONE	CONSTANT	-3.46E-01	-3.46E-01	0.00E+00	-3.46E-01	-3.46E-01	2/15/96	1	32117	BF
2395	CL_M_T2	CAP_MOD	NONE	CONSTANT	2.00E+00	2.00E+00	0.00E+00	2.00E+00	2.00E+00	2/15/96	4B	32064A	BF
2397	CL_M_T2	PC_MAX	Pa	CONSTANT	1.00E+08	1.00E+08	0.00E+00	1.00E+08	1.00E+08	10/26/95	4B	32118A	BF
2403	CL_M_T2	PRMY_LOG	log(m^2)	TRIANGULAR	-1.89E+01	-1.83E+01	7.81E-01	-2.10E+01	-1.73E+01	2/15/96	1	32124	BF
2662	CL_M_T2	PCT_A	Pa	CONSTANT	5.60E-01	5.60E-01	0.00E+00	5.60E-01	5.60E-01	2/15/96	1	32116	BF
2417	CL_M_T3	PO_MIN	Pa	CONSTANT	1.01E+05	1.01E+05	0.00E+00	1.01E+05	1.01E+05	2/21/96	4B	32150	BF
2668	CL_M_T3	PCT_EXP	NONE	CONSTANT	-3.46E-01	-3.46E-01	0.00E+00	-3.46E-01	-3.46E-01	2/15/96	1	32144	BF
2667	CL_M_T3	PCT_A	Pa	CONSTANT	5.60E-01	5.60E-01	0.00E+00	5.60E-01	5.60E-01	2/15/96	1	32143	BF
2414	CL_M_T3	PC_MAX	Pa	CONSTANT	1.00E+08	1.00E+08	0.00E+00	1.00E+08	1.00E+08	10/26/95	4B	32145A	BF
2666	CL_M_T3	KPT	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2/20/96	4B	32142	BF
2413	CL_M_T3	COMP_RCK	Pa^-1	CONSTANT	1.81E-09	1.81E-09	0.00E+00	1.81E-09	1.81E-09	2/15/96	1	32141	BF
2419	CL_M_T3	PRMX_LOG	log(m^2)	TRIANGULAR	-1.89E+01	-1.83E+01	7.81E-01	-2.10E+01	-1.73E+01	2/15/96	1	32155	BF
2416	CL_M_T3	POROSITY	m^3/m^3	CONSTANT	2.40E-01	2.40E-01	0.00E+00	2.40E-01	2.40E-01	2/15/96	1	32148	BF
2412	CL_M_T3	CAP_MOD	NONE	CONSTANT	2.00E+00	2.00E+00	0.00E+00	2.00E+00	2.00E+00	2/15/96	4B	32139A	BF

8. Upper Shaft Clay

ID	Material	Parameter	Units	Distribution	Mean	Median	Deviation	Low	High	Entry Date	Impt	WPO	Codes
2427	CL_M_T3	SAT_RBRN	NONE	CUMULATIVE	2.50E-01	2.00E-01	1.76E-01	0.00E+00	6.00E-01	2/15/96	1	32168	BF
2415	CL_M_T3	PORE_DIS	NONE	CUMULATIVE	2.52E+00	9.40E-01	2.48E+00	1.10E-01	8.10E+00	2/20/96	1	32146	BF
2428	CL_M_T3	SAT_RGAS	NONE	UNIFORM	2.00E-01	2.00E-01	1.16E-01	0.00E+00	4.00E-01	2/15/96	1	32169	BF
3096	CL_M_T3	RSH_WAS	m	CONSTANT	3.50E+00	3.50E+00	0.00E+00	3.50E+00	3.50E+00	2/15/96	4B	32166A	BF
3095	CL_M_T3	RSH_SAL	m	CONSTANT	1.80E+00	1.80E+00	0.00E+00	1.80E+00	1.80E+00	2/15/96	4B	32165A	BF
3097	CL_M_T3	RSH_EXH	m	CONSTANT	2.30E+00	2.30E+00	0.00E+00	2.30E+00	2.30E+00	2/15/96	4B	32164A	BF
3094	CL_M_T3	RSH_AIR	m	CONSTANT	3.09E+00	3.09E+00	0.00E+00	3.09E+00	3.09E+00	2/15/96	4B	32163A	BF
2425	CL_M_T3	RELP_MOD	NONE	CONSTANT	4.00E+00	4.00E+00	0.00E+00	4.00E+00	4.00E+00	2/15/96	4B	32162A	BF
3098	CL_M_T3	RADN_DRZ	m/m	CONSTANT	1.28E+00	1.28E+00	0.00E+00	1.28E+00	1.28E+00	2/15/96	1	32160	BF
2421	CL_M_T3	PRMZ_LOG	log(m^2)	TRIANGULAR	-1.89E+01	-1.83E+01	7.81E-01	-2.10E+01	-1.73E+01	2/15/96	1	32157	BF
2420	CL_M_T3	PRMY_LOG	log(m^2)	TRIANGULAR	-1.89E+01	-1.83E+01	7.81E-01	-2.10E+01	-1.73E+01	2/15/96	1	32156	BF
2442	CL_M_T4	RELP_MOD	NONE	CONSTANT	4.00E+00	4.00E+00	0.00E+00	4.00E+00	4.00E+00	10/26/95	4B	32209A	BF
2437	CL_M_T4	PRMY_LOG	log(m^2)	TRIANGULAR	-1.89E+01	-1.83E+01	7.81E-01	-2.10E+01	-1.73E+01	2/13/96	1	32203	BF
2444	CL_M_T4	SAT_RBRN	NONE	CUMULATIVE	2.50E-01	2.00E-01	1.76E-01	0.00E+00	6.00E-01	2/19/96	1	32225	BF
2921	CL_M_T4	RSH_WAS	m	CONSTANT	3.50E+00	3.50E+00	0.00E+00	3.50E+00	3.50E+00	2/13/96	4B	32215A	BF
2920	CL_M_T4	RSH_SAL	m	CONSTANT	1.80E+00	1.80E+00	0.00E+00	1.80E+00	1.80E+00	2/13/96	4B	32214A	BF
2919	CL_M_T4	RSH_AIR	m	CONSTANT	3.09E+00	3.09E+00	0.00E+00	3.09E+00	3.09E+00	2/13/96	4B	32212A	BF
2923	CL_M_T4	RADN_DRZ	m/m	CONSTANT	1.11E+00	1.11E+00	0.00E+00	1.11E+00	1.11E+00	2/13/96	1	32207	BF
2438	CL_M_T4	PRMZ_LOG	log(m^2)	TRIANGULAR	-1.89E+01	-1.83E+01	7.81E-01	-2.10E+01	-1.73E+01	2/13/96	1	32204	BF
2445	CL_M_T4	SAT_RGAS	NONE	UNIFORM	2.00E-01	2.00E-01	1.16E-01	0.00E+00	4.00E-01	2/13/96	1	32226	BF
2430	CL_M_T4	COMP_RCK	Pa^-1	CONSTANT	1.81E-09	1.81E-09	0.00E+00	1.81E-09	1.81E-09	2/13/96	1	32193	BF
2922	CL_M_T4	RSH_EXH	m	CONSTANT	2.30E+00	2.30E+00	0.00E+00	2.30E+00	2.30E+00	2/13/96	4B	32213A	BF
2436	CL_M_T4	PRMX_LOG	log(m^2)	TRIANGULAR	-1.89E+01	-1.83E+01	7.81E-01	-2.10E+01	-1.73E+01	2/19/96	1	32202	BF
2429	CL_M_T4	CAP_MOD	NONE	CONSTANT	2.00E+00	2.00E+00	0.00E+00	2.00E+00	2.00E+00	11/2/95	4B	32191A	BF
2671	CL_M_T4	KPT	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2/20/96	4B	32194	BF
2431	CL_M_T4	PC_MAX	Pa	CONSTANT	1.00E+08	1.00E+08	0.00E+00	1.00E+08	1.00E+08	10/26/95	4B	32197A	BF
2672	CL_M_T4	PCT_A	Pa	CONSTANT	5.60E-01	5.60E-01	0.00E+00	5.60E-01	5.60E-01	2/13/96	1	32195	BF
2673	CL_M_T4	PCT_EXP	NONE	CONSTANT	-3.46E-01	-3.46E-01	0.00E+00	-3.46E-01	-3.46E-01	2/13/96	1	32196	BF
2434	CL_M_T4	PO_MIN	Pa	CONSTANT	1.01E+05	1.01E+05	0.00E+00	1.01E+05	1.01E+05	2/21/96	4B	32200	BF
2432	CL_M_T4	PORE_DIS	NONE	CUMULATIVE	2.52E+00	9.40E-01	2.48E+00	1.10E-01	8.10E+00	2/20/96	1	32198	BF
2433	CL_M_T4	POROSITY	m^3/m^3	CONSTANT	2.40E-01	2.40E-01	0.00E+00	2.40E-01	2.40E-01	2/13/96	1	32199	BF
2461	CL_M_T5	SAT_RBRN	NONE	CUMULATIVE	2.50E-01	2.00E-01	1.76E-01	0.00E+00	6.00E-01	2/13/96	1	32254	BF
2448	CL_M_T5	PC_MAX	Pa	CONSTANT	1.00E+08	1.00E+08	0.00E+00	1.00E+08	1.00E+08	2/13/96	4B	32234A	BF
2454	CL_M_T5	PRMY_LOG	log(m^2)	TRIANGULAR	-1.89E+01	-1.83E+01	7.81E-01	-2.10E+01	-1.73E+01	2/13/96	1	32240	BF
2925	CL_M_T5	RSH_SAL	m	CONSTANT	1.80E+00	1.80E+00	0.00E+00	1.80E+00	1.80E+00	2/13/96	4B	32251A	BF
2927	CL_M_T5	RSH_EXH	m	CONSTANT	2.30E+00	2.30E+00	0.00E+00	2.30E+00	2.30E+00	2/13/96	-4B	32250A	BF
2924	CL_M_T5	RSH_AIR	m	CONSTANT	3.09E+00	3.09E+00	0.00E+00	3.09E+00	3.09E+00	2/13/96	4B	32249A	BF
2459	CL_M_T5	RELP_MOD	NONE	CONSTANT	4.00E+00	4.00E+00	0.00E+00	4.00E+00	4.00E+00	10/26/95	4B	32248A	BF
2928	CL_M_T5	RADN_DRZ	m/m	CONSTANT	1.00E+00	1.00E+00	0.00E+00	1.00E+00	1.00E+00	2/13/96	1	32245	BF
2455	CL_M_T5	PRMZ_LOG	log(m^2)	TRIANGULAR	-1.89E+01	-1.83E+01	7.81E-01	-2.10E+01	-1.73E+01	2/13/96	1	32241	BF
2926	CL_M_T5	RSH_WAS	m	CONSTANT	3.50E+00	3.50E+00	0.00E+00	3.50E+00	3.50E+00	2/13/96	4B	32252A	BF
2453	CL_M_T5	PRMX_LOG	log(m^2)	TRIANGULAR	-1.89E+01	-1.83E+01	7.81E-01	-2.10E+01	-1.73E+01	2/13/96	1	32239	BF
2450	CL_M_T5	POROSITY	m^3/m^3	CONSTANT	2.40E-01	2.40E-01	0.00E+00	2.40E-01	2.40E-01	2/13/96	1	32236	BF
2449	CL_M_T5	PORE_DIS	NONE	CUMULATIVE	2.52E+00	9.40E-01	2.48E+00	1.10E-01	8.10E+00	2/20/96	1	32235	BF
2451	CL_M_T5	PO_MIN	Pa	CONSTANT	1.01E+05	1.01E+05	0.00E+00	1.01E+05	1.01E+05	2/21/96	4B	32237	BF
2677	CL_M_T5	PCT_A	Pa	CONSTANT	5.60E-01	5.60E-01	0.00E+00	5.60E-01	5.60E-01	2/13/96	1	32232	BF
2676	CL_M_T5	KPT	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2/20/96	4B	32231	BF
2447	CL_M_T5	COMP_RCK	Pa^-1	CONSTANT	1.81E-09	1.81E-09	0.00E+00	1.81E-09	1.81E-09	2/13/96	1	32230	BF
2446	CL_M_T5	CAP_MOD	NONE	CONSTANT	2.00E+00	2.00E+00	0.00E+00	2.00E+00	2.00E+00	11/2/95	4B	32228A	BF
2462	CL_M_T5	SAT_RGAS	NONE	UNIFORM	2.00E-01	2.00E-01	1.16E-01	0.00E+00	4.00E-01	2/13/96	1	32255	BF
2678	CL_M_T5	PCT_EXP	NONE	CONSTANT	-3.46E-01	-3.46E-01	0.00E+00	-3.46E-01	-3.46E-01	2/13/96	1	32233	BF

9. Lower Shaft Clay

ID	Material	Parameter	Units	Distribution	Mean	Median	Deviation	Low	High	Entry Date	Impt	WPO	Codes
2341	CL_L_T1	SAT_IBRN	NONE	CONSTANT	7.90E-01	7.90E-01	0.00E+00	7.90E-01	7.90E-01	2/13/96	1	31920	BF
2327	CL_L_T1	CAP_MOD	NONE	CONSTANT	2.00E+00	2.00E+00	0.00E+00	2.00E+00	2.00E+00	11/2/95	4B	31897A	BF
2342	CL_L_T1	SAT_RBRN	NONE	CUMULATIVE	2.50E-01	2.00E-01	1.67E-02	0.00E+00	6.00E-01	2/13/96	1	31921	BF
3019	CL_L_T1	RSH_WAS	m	CONSTANT	3.50E+00	3.50E+00	0.00E+00	3.50E+00	3.50E+00	2/20/96	4B	31919A	BF
3018	CL_L_T1	RSH_SAL	m	CONSTANT	1.80E+00	1.80E+00	0.00E+00	1.80E+00	1.80E+00	2/20/96	4B	31918A	BF
3020	CL_L_T1	RSH_EXH	m	CONSTANT	2.30E+00	2.30E+00	0.00E+00	2.30E+00	2.30E+00	2/15/96	4B	31917A	BF
3017	CL_L_T1	RSH_AIR	m	CONSTANT	3.09E+00	3.09E+00	0.00E+00	3.09E+00	3.09E+00	2/15/96	4B	31916A	BF
2340	CL_L_T1	RELP_MOD	NONE	CONSTANT	4.00E+00	4.00E+00	0.00E+00	4.00E+00	4.00E+00	10/26/95	4B	31915A	BF
3021	CL_L_T1	RADN_DRZ	m/m	CONSTANT	1.86E+00	1.86E+00	0.00E+00	1.86E+00	1.86E+00	2/15/96	1	31913	BF
2336	CL_L_T1	PRMZ_LOG	log(m^2)	TRIANGULAR	-1.89E+01	-1.83E+01	7.81E-01	-2.10E+01	-1.73E+01	2/13/96	1	31910	BF
2335	CL_L_T1	PRMY_LOG	log(m^2)	TRIANGULAR	-1.89E+01	-1.83E+01	7.81E-01	-2.10E+01	-1.73E+01	2/13/96	1	31909	BF
2641	CL_L_T1	KPT	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2/20/96	4B	31900	BF
2333	CL_L_T1	PRESSURE	Pa	CONSTANT	1.01E+05	1.01E+05	0.00E+00	1.01E+05	1.01E+05	2/20/96	1	31907	BF
2331	CL_L_T1	POROSITY	m^3/m^3	CONSTANT	2.40E-01	2.40E-01	0.00E+00	2.40E-01	2.40E-01	2/13/96	1	31905	BF
2330	CL_L_T1	PORE_DIS	NONE	CUMULATIVE	2.52E+00	9.40E-01	2.48E+00	1.10E-01	8.10E+00	2/20/96	1	31904	BF
2332	CL_L_T1	PO_MIN	Pa	CONSTANT	1.01E+05	1.01E+05	0.00E+00	1.01E+05	1.01E+05	2/21/96	4B	31906	BF
2643	CL_L_T1	PCT_EXP	NONE	CONSTANT	-3.46E-01	-3.46E-01	0.00E+00	-3.46E-01	-3.46E-01	2/13/96	1	31902	BF
2642	CL_L_T1	PCT_A	Pa	CONSTANT	5.60E-01	5.60E-01	0.00E+00	5.60E-01	5.60E-01	2/13/96	1	31901	BF
2329	CL_L_T1	PC_MAX	Pa	CONSTANT	1.00E+08	1.00E+08	0.00E+00	1.00E+08	1.00E+08	2/13/96	4B	31903A	BF
2328	CL_L_T1	COMP_RCK	Pa^-1	CONSTANT	1.59E-09	1.59E-09	0.00E+00	1.59E-09	1.59E-09	2/13/96	1	31899	BF
2343	CL_L_T1	SAT_RGAS	NONE	UNIFORM	2.00E-01	2.00E-01	1.16E-01	0.00E+00	4.00E-01	2/13/96	1	31922	BF
2334	CL_L_T1	PRMX_LOG	log(m^2)	TRIANGULAR	-1.89E+01	-1.83E+01	7.81E-01	-2.10E+01	-1.73E+01	2/13/96	1	31908	BF
2352	CL_L_T2	PRMY_LOG	log(m^2)	TRIANGULAR	-1.89E+01	-1.83E+01	7.81E-01	-2.10E+01	-1.73E+01	2/14/96	1	31936	BF
2353	CL_L_T2	PRMZ_LOG	log(m^2)	TRIANGULAR	-1.89E+01	-1.83E+01	7.81E-01	-2.10E+01	-1.73E+01	2/14/96	1	31937	BF
3026	CL_L_T2	RADN_DRZ	m/m	CONSTANT	1.16E+00	1.16E+00	0.00E+00	1.16E+00	1.16E+00	2/15/96	1	31959	BF
2357	CL_L_T2	RELP_MOD	NONE	CONSTANT	4.00E+00	4.00E+00	0.00E+00	4.00E+00	4.00E+00	2/14/96	4B	31962A	BF
3022	CL_L_T2	RSH_AIR	m	CONSTANT	3.09E+00	3.09E+00	0.00E+00	3.09E+00	3.09E+00	2/15/96	4B	31964A	BF
2351	CL_L_T2	PRMX_LOG	log(m^2)	TRIANGULAR	-1.89E+01	-1.83E+01	7.81E-01	-2.10E+01	-1.73E+01	2/14/96	1	31935	BF
3023	CL_L_T2	RSH_SAL	m	CONSTANT	1.80E+00	1.80E+00	0.00E+00	1.80E+00	1.80E+00	2/15/96	4B	31966A	BF
2346	CL_L_T2	PC_MAX	Pa	CONSTANT	1.00E+08	1.00E+08	0.00E+00	1.00E+08	1.00E+08	2/14/96	4B	31930A	BF
3025	CL_L_T2	RSH_EXH	m	CONSTANT	2.30E+00	2.30E+00	0.00E+00	2.30E+00	2.30E+00	2/15/96	4B	31965A	BF
2348	CL_L_T2	POROSITY	m^3/m^3	CONSTANT	2.40E-01	2.40E-01	0.00E+00	2.40E-01	2.40E-01	2/14/96	1	31932	BF
2347	CL_L_T2	PORE_DIS	NONE	CUMULATIVE	2.52E+00	9.40E-01	2.48E+00	1.10E-01	8.10E+00	2/20/96	1	31931	BF
2349	CL_L_T2	PO_MIN	Pa	CONSTANT	1.01E+05	1.01E+05	0.00E+00	1.01E+05	1.01E+05	2/21/96	4B	31933	BF
2647	CL_L_T2	PCT_A	Pa	CONSTANT	5.60E-01	5.60E-01	0.00E+00	5.60E-01	5.60E-01	2/14/96	1	31928	BF
2646	CL_L_T2	KPT	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2/20/96	4B	31927	BF
2345	CL_L_T2	COMP_RCK	Pa^-1	CONSTANT	1.59E-09	1.59E-09	0.00E+00	1.59E-09	1.59E-09	2/14/96	1	31926	BF
2344	CL_L_T2	CAP_MOD	NONE	CONSTANT	2.00E+00	2.00E+00	0.00E+00	2.00E+00	2.00E+00	2/14/96	4B	31924A	BF
2359	CL_L_T2	SAT_RBRN	NONE	CUMULATIVE	2.50E-01	2.00E-01	1.76E-01	0.00E+00	6.00E-01	2/14/96	1	31969	BF
2360	CL_L_T2	SAT_RGAS	NONE	UNIFORM	2.00E-01	2.00E-01	1.16E-01	0.00E+00	4.00E-01	2/14/96	1	31971	BF
2648	CL_L_T2	PCT_EXP	NONE	CONSTANT	-3.46E-01	-3.46E-01	0.00E+00	-3.46E-01	-3.46E-01	2/14/96	1	31929	BF
3024	CL_L_T2	RSH_WAS	m	CONSTANT	3.50E+00	3.50E+00	0.00E+00	3.50E+00	3.50E+00	2/15/96	4B	31967A	BF
2376	CL_L_T3	SAT_RBRN	NONE	CUMULATIVE	2.50E-01	2.00E-01	1.76E-01	0.00E+00	6.00E-01	2/14/96	1	32004	BF
2377	CL_L_T3	SAT_RGAS	NONE	UNIFORM	2.00E-01	2.00E-01	1.16E-01	0.00E+00	4.00E-01	2/14/96	1	32005	BF
3029	CL_L_T3	RSH_WAS	m	CONSTANT	3.50E+00	3.50E+00	0.00E+00	3.50E+00	3.50E+00	2/15/96	4B	32002A	BF
3028	CL_L_T3	RSH_SAL	m	CONSTANT	1.80E+00	1.80E+00	0.00E+00	1.80E+00	1.80E+00	2/15/96	4B	32001A	BF
3030	CL_L_T3	RSH_EXH	m	CONSTANT	2.30E+00	2.30E+00	0.00E+00	2.30E+00	2.30E+00	2/15/96	4B	32000A	BF
3027	CL_L_T3	RSH_AIR	m	CONSTANT	3.09E+00	3.09E+00	0.00E+00	3.09E+00	3.09E+00	2/15/96	4B	31999A	BF
2374	CL_L_T3	RELP_MOD	NONE	CONSTANT	4.00E+00	4.00E+00	0.00E+00	4.00E+00	4.00E+00	2/14/96	4B	31998A	BF
3031	CL_L_T3	RADN_DRZ	m/m	CONSTANT	1.00E+00	1.00E+00	0.00E+00	1.00E+00	1.00E+00	2/15/96	1	31996	BF
2370	CL_L_T3	PRMZ_LOG	log(m^2)	TRIANGULAR	-1.89E+01	-1.83E+01	7.81E-01	-2.10E+01	-1.73E+01	2/14/96	1	31993	BF

9. Lower Shaft Clay

ID	Material	Parameter	Units	Distribution	Mean	Median	Deviation	Low	High	Entry Date	Impt	WPO	Codes
2369	CL_L_T3	PRMY_LOG	log(m^2)	TRIANGULAR	-1.89E+01	-1.83E+01	7.81E-01	-2.10E+01	-1.73E+01	2/14/96	1	31992	BF
2362	CL_L_T3	COMP_RCK	Pa^-1	CONSTANT	1.59E-09	1.59E-09	0.00E+00	1.59E-09	1.59E-09	2/14/96	1	31976	BF
2368	CL_L_T3	PRMX_LOG	log(m^2)	TRIANGULAR	-1.89E+01	-1.83E+01	7.81E-01	-2.10E+01	-1.73E+01	2/14/96	1	31990	BF
2361	CL_L_T3	CAP_MOD	NONE	CONSTANT	2.00E+00	2.00E+00	0.00E+00	2.00E+00	2.00E+00	2/14/96	4B	31974A	BF
2651	CL_L_T3	KPT	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2/20/96	4B	31978	BF
2363	CL_L_T3	PC_MAX	Pa	CONSTANT	1.00E+08	1.00E+08	0.00E+00	1.00E+08	1.00E+08	2/14/96	4B	31981A	BF
2652	CL_L_T3	PCT_A	Pa	CONSTANT	5.60E-01	5.60E-01	0.00E+00	5.60E-01	5.60E-01	2/14/96	1	31979	BF
2653	CL_L_T3	PCT_EXP	NONE	CONSTANT	-3.46E-01	-3.46E-01	0.00E+00	-3.46E-01	-3.46E-01	2/14/96	1	31980	BF
2366	CL_L_T3	PO_MIN	Pa	CONSTANT	1.01E+05	1.01E+05	0.00E+00	1.01E+05	1.01E+05	2/21/96	4B	31985	BF
2364	CL_L_T3	PORE_DIS	NONE	CUMULATIVE	2.52E+00	9.40E-01	2.48E+00	1.10E-01	8.10E+00	2/20/96	1	31982	BF
2365	CL_L_T3	POROSITY	m^3/m^3	CONSTANT	2.40E-01	2.40E-01	0.00E+00	2.40E-01	2.40E-01	2/14/96	1	31984	BF
3082	CL_L_T4	SAT_RBRN	NONE	CUMULATIVE	2.50E-01	2.00E-01	1.76E-01	0.00E+00	6.00E-01	2/15/96	1	32025	BF
3074	CL_L_T4	PCT_A	Pa	CONSTANT	5.60E-01	5.60E-01	0.00E+00	5.60E-01	5.60E-01	2/15/96	1	32010	BF
3079	CL_L_T4	PRMY_LOG	log(m^2)	TRIANGULAR	-1.89E+01	-1.83E+01	7.81E-01	-2.10E+01	-1.73E+01	2/15/96	1	32017	BF
3066	CL_L_T4	RSH_SAL	m	CONSTANT	1.80E+00	1.80E+00	0.00E+00	1.80E+00	1.80E+00	2/15/96	4B	32023A	BF
3068	CL_L_T4	RSH_EXH	m	CONSTANT	2.30E+00	2.30E+00	0.00E+00	2.30E+00	2.30E+00	2/15/96	4B	32022A	BF
3065	CL_L_T4	RSH_AIR	m	CONSTANT	3.09E+00	3.09E+00	0.00E+00	3.09E+00	3.09E+00	2/15/96	4B	32021A	BF
3081	CL_L_T4	RELP_MOD	NONE	CONSTANT	4.00E+00	4.00E+00	0.00E+00	4.00E+00	4.00E+00	2/15/96	4B	32020A	BF
3069	CL_L_T4	RADN_DRZ	m/m	CONSTANT	1.00E+00	1.00E+00	0.00E+00	1.00E+00	1.00E+00	2/15/96	1	32019	BF
3080	CL_L_T4	PRMZ_LOG	log(m^2)	TRIANGULAR	-1.89E+01	-1.83E+01	7.81E-01	-2.10E+01	-1.73E+01	2/15/96	1	32018	BF
3067	CL_L_T4	RSH_WAS	m	CONSTANT	3.50E+00	3.50E+00	0.00E+00	3.50E+00	3.50E+00	2/15/96	4B	32024A	BF
3078	CL_L_T4	PRMX_LOG	log(m^2)	TRIANGULAR	-1.89E+01	-1.83E+01	7.81E-01	-2.10E+01	-1.73E+01	2/15/96	1	32016	BF
3077	CL_L_T4	POROSITY	m^3/m^3	CONSTANT	2.40E-01	2.40E-01	0.00E+00	2.40E-01	2.40E-01	2/15/96	1	32014	BF
3076	CL_L_T4	PORE_DIS	NONE	CUMULATIVE	2.52E+00	9.40E-01	2.48E+00	1.10E-01	8.10E+00	2/20/96	1	32013	BF
3070	CL_L_T4	CAP_MOD	NONE	CONSTANT	2.00E+00	2.00E+00	0.00E+00	2.00E+00	2.00E+00	2/15/96	4B	32007A	BF
3075	CL_L_T4	PCT_EXP	NONE	CONSTANT	-3.46E-01	-3.46E-01	0.00E+00	-3.46E-01	-3.46E-01	2/15/96	1	32011	BF
3073	CL_L_T4	PC_MAX	Pa	CONSTANT	1.00E+08	1.00E+08	0.00E+00	1.00E+08	1.00E+08	2/15/96	4B	32012A	BF
3072	CL_L_T4	KPT	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2/20/96	4B	32009	BF
3071	CL_L_T4	COMP_RCK	Pa^-1	CONSTANT	1.59E-09	1.59E-09	0.00E+00	1.59E-09	1.59E-09	2/15/96	1	32008	BF
3083	CL_L_T4	SAT_RGAS	NONE	UNIFORM	2.00E-01	2.00E-01	1.16E-01	0.00E+00	4.00E-01	2/15/96	1	32027	BF
3123	CL_L_T4	PO_MIN	Pa	CONSTANT	1.01E+05	1.01E+05	0.00E+00	1.01E+05	1.01E+05	2/21/96	4B	36366	BF

10. Bottom Clay Component

ID	Material	Parameter	Units	Distribution	Mean	Median	Deviation	Low	High	Entry Date	Impt	WPO	Codes
2316	CLAY_BOT	PRESSURE	Pa	CONSTANT	1.01E+05	1.01E+05	0.00E+00	1.01E+05	1.01E+05	2/21/96	4B	31865	BF
2311	CLAY_BOT	COMP_RCK	Pa ⁻¹	CONSTANT	1.59E-09	1.59E-09	0.00E+00	1.59E-09	1.59E-09	2/21/96	4B	31857	BF
2636	CLAY_BOT	KPT	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2/21/96	4B	31858	BF
2312	CLAY_BOT	PC_MAX	Pa	CONSTANT	1.00E+08	1.00E+08	0.00E+00	1.00E+08	1.00E+08	11/3/95	4B	31861A	BF
2637	CLAY_BOT	PCT_A	Pa	CONSTANT	5.60E-01	5.60E-01	0.00E+00	5.60E-01	5.60E-01	2/21/96	4B	31859	BF
2638	CLAY_BOT	PCT_EXP	NONE	CONSTANT	-3.46E-01	-3.46E-01	0.00E+00	-3.46E-01	-3.46E-01	2/21/96	4B	31860	BF
2315	CLAY_BOT	PO_MIN	Pa	CONSTANT	1.01E+05	1.01E+05	0.00E+00	1.01E+05	1.01E+05	2/21/96	4B	31864	BF
2310	CLAY_BOT	CAP_MOD	NONE	CONSTANT	2.00E+00	2.00E+00	0.00E+00	2.00E+00	2.00E+00	11/3/95	4B	31855	BF
2314	CLAY_BOT	POROSITY	m ³ /m ³	CONSTANT	2.40E-01	2.40E-01	0.00E+00	2.40E-01	2.40E-01	2/21/96	4A	31863	BF
2326	CLAY_BOT	SAT_RGAS	NONE	UNIFORM	2.00E-01	2.00E-01	1.16E-01	0.00E+00	4.00E-01	2/21/96	1	31875	BF
2317	CLAY_BOT	PRMX_LOG	log(m ²)	TRIANGULAR	-1.89E+01	-1.83E+01	7.81E-01	-2.10E+01	-1.73E+01	2/21/96	1	31866	BF
2318	CLAY_BOT	PRMY_LOG	log(m ²)	TRIANGULAR	-1.89E+01	-1.83E+01	7.81E-01	-2.10E+01	-1.73E+01	2/21/96	1	31867	BF
2319	CLAY_BOT	PRMZ_LOG	log(m ²)	TRIANGULAR	-1.89E+01	-1.83E+01	7.81E-01	-2.10E+01	-1.73E+01	2/21/96	1	31868	BF
2323	CLAY_BOT	RELP_MOD	NONE	CONSTANT	4.00E+00	4.00E+00	0.00E+00	4.00E+00	4.00E+00	11/3/95	4B	31872	BF
2324	CLAY_BOT	SAT_IBRN	NONE	CONSTANT	7.90E-01	7.90E-01	0.00E+00	7.90E-01	7.90E-01	2/21/96	4A	31873	BF
2325	CLAY_BOT	SAT_RBRN	NONE	CUMULATIVE	2.50E-01	2.00E-01	1.76E-01	0.00E+00	6.00E-01	4/12/96	4A	31874A	BF
2313	CLAY_BOT	PORE_DIS	NONE	CUMULATIVE	2.52E+00	9.40E-01	2.48E+00	1.10E-01	8.10E+00	2/26/96	4A	31862	BF

11. Concrete Monolith

ID	Material	Parameter	Units	Distribution	Mean	Median	Deviation	Low	High	Entry Date	Impt	WPO	Codes
3060	CONC_MON	PRMY_LOG	log(m ²)	CONSTANT	-1.40E+01	-1.40E+01	0.00E+00	-1.40E+01	-1.40E+01	2/15/96	1	32522	BF
3052	CONC_MON	COMP_RCK	Pa ⁻¹	CONSTANT	1.20E-09	1.20E-09	0.00E+00	1.20E-09	1.20E-09	5/2/96	4B	32504	BF
3053	CONC_MON	KPT	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2/20/96	4B	32507	BF
3054	CONC_MON	PC_MAX	Pa	CONSTANT	1.00E+08	1.00E+08	0.00E+00	1.00E+08	1.00E+08	2/15/96	4B	32512A	BF
3055	CONC_MON	PCT_A	Pa	CONSTANT	5.60E-01	5.60E-01	0.00E+00	5.60E-01	5.60E-01	2/15/96	1	32508	BF
3056	CONC_MON	PCT_EXP	NONE	CONSTANT	-3.46E-01	-3.46E-01	0.00E+00	-3.46E-01	-3.46E-01	2/15/96	1	32510	BF
3124	CONC_MON	PO_MIN	Pa	CONSTANT	1.01E+05	1.01E+05	0.00E+00	1.01E+05	1.01E+05	2/21/96	4B	36367	BF
3057	CONC_MON	PORE_DIS	NONE	CUMULATIVE	2.52E+00	9.40E-01	2.48E+00	1.10E-01	8.10E+00	2/20/96	1	32514	BF
3058	CONC_MON	POROSITY	m ³ /m ³	CONSTANT	5.00E-02	5.00E-02	0.00E+00	5.00E-02	5.00E-02	2/15/96	1	32516	BF
3051	CONC_MON	CAP_MOD	NONE	CONSTANT	2.00E+00	2.00E+00	0.00E+00	2.00E+00	2.00E+00	2/15/96	4B	32503A	BF
3059	CONC_MON	PRMX_LOG	log(m ²)	CONSTANT	-1.40E+01	-1.40E+01	0.00E+00	-1.40E+01	-1.40E+01	2/15/96	1	32520	BF
3084	CONC_MON	SAT_RGAS	NONE	UNIFORM	2.00E-01	2.00E-01	1.16E-01	0.00E+00	4.00E-01	2/15/96	1	32546	BF
3061	CONC_MON	PRMZ_LOG	log(m ²)	CONSTANT	-1.40E+01	-1.40E+01	0.00E+00	-1.40E+01	-1.40E+01	2/15/96	1	32527	BF
3050	CONC_MON	RADN_DRZ	m/m	CONSTANT	1.00E+00	1.00E+00	0.00E+00	1.00E+00	1.00E+00	2/15/96	1	32528	BF
3062	CONC_MON	RELP_MOD	NONE	CONSTANT	4.00E+00	4.00E+00	0.00E+00	4.00E+00	4.00E+00	2/15/96	4B	32530A	BF
3046	CONC_MON	RSH_AIR	m	CONSTANT	3.09E+00	3.09E+00	0.00E+00	3.09E+00	3.09E+00	2/15/96	4B	32532A	BF
3049	CONC_MON	RSH_EXH	m	CONSTANT	2.30E+00	2.30E+00	0.00E+00	2.30E+00	2.30E+00	2/15/96	4B	32534A	BF
3047	CONC_MON	RSH_SAL	m	CONSTANT	1.80E+00	1.80E+00	0.00E+00	1.80E+00	1.80E+00	2/15/96	4B	32537A	BF
3048	CONC_MON	RSH_WAS	m	CONSTANT	3.50E+00	3.50E+00	0.00E+00	3.50E+00	3.50E+00	2/15/96	4B	32538A	BF
3115	CONC_MON	SAT_IBRN	NONE	CONSTANT	1.00E+00	1.00E+00	0.00E+00	1.00E+00	1.00E+00	2/28/96	1	32540A	BF
3063	CONC_MON	SAT_RBRN	NONE	CUMULATIVE	2.50E-01	2.00E-01	1.76E-01	0.00E+00	6.00E-01	2/15/96	1	32542	BF
3114	CONC_MON	PRESSURE	Pa	CONSTANT	1.01E+05	1.01E+05	0.00E+00	1.01E+05	1.01E+05	2/21/96	4A	32518	BF

12. Santa Rosa Formation

ID	Material	Parameter	Units	Distribution	Mean	Median	Deviation	Low	High	Entry Date	Impt	WPO	Codes
343	SANTAROS	PRESSURE	Pa	CONSTANT	1.01E+05	1.01E+05	0.00E+00	1.01E+05	1.01E+05	2/22/96	1	33544	BF
337	SANTAROS	COMP_RCK	Pa ⁻¹	CONSTANT	1.00E-08	1.00E-08	0.00E+00	1.00E-08	1.00E-08	11/1/95	4B	33487	BF
2768	SANTAROS	KPT	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2/20/96	4B	33510	BF
339	SANTAROS	PC_MAX	Pa	CONSTANT	1.00E+08	1.00E+08	0.00E+00	1.00E+08	1.00E+08	2/20/96	4B	33530	BF
2769	SANTAROS	PCT_A	Pa	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2/22/96	4B	33528	BF
2770	SANTAROS	PCT_EXP	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2/22/96	4B	33529	BF
342	SANTAROS	PO_MIN	Pa	CONSTANT	1.01E+05	1.01E+05	0.00E+00	1.01E+05	1.01E+05	2/21/96	4B	33543	BF
336	SANTAROS	CAP_MOD	NONE	CONSTANT	1.00E+00	1.00E+00	0.00E+00	1.00E+00	1.00E+00	2/22/96	4B	33485	BF
341	SANTAROS	POROSITY	NONE	CONSTANT	1.75E-01	1.75E-01	0.00E+00	1.75E-01	1.75E-01	11/1/95	4B	33542	BF
352	SANTAROS	SAT_RGAS	NONE	CONSTANT	7.71E-02	7.71E-02	0.00E+00	7.71E-02	7.71E-02	2/20/96	4B	33557	BF
344	SANTAROS	PRMX_LOG	log(m ²)	CONSTANT	-1.00E+01	-1.00E+01	0.00E+00	-1.00E+01	-1.00E+01	11/1/95	4B	33545	BF
345	SANTAROS	PRMY_LOG	log(m ²)	CONSTANT	-1.00E+01	-1.00E+01	0.00E+00	-1.00E+01	-1.00E+01	11/1/95	4B	33546	BF
346	SANTAROS	PRMZ_LOG	log(m ²)	CONSTANT	-1.00E+01	-1.00E+01	0.00E+00	-1.00E+01	-1.00E+01	11/1/95	4B	33547	BF
349	SANTAROS	RELP_MOD	NONE	CONSTANT	4.00E+00	4.00E+00	0.00E+00	4.00E+00	4.00E+00	11/1/95	4B	33550	BF
350	SANTAROS	SAT_IBRN	NONE	CONSTANT	8.36E-02	8.36E-02	0.00E+00	8.36E-02	8.36E-02	2/22/96	4B	33552	BF
351	SANTAROS	SAT_RBRN	NONE	CONSTANT	8.36E-02	8.36E-02	0.00E+00	8.36E-02	8.36E-02	2/22/96	4B	33554	BF
340	SANTAROS	PORE_DIS	NONE	CONSTANT	6.44E-01	6.44E-01	0.00E+00	6.44E-01	6.44E-01	2/20/96	4B	33538	BF

13. Dewey Lake Formation

ID	Material	Parameter	Units	Distribution	Mean	Median	Deviation	Low	High	Entry Date	Impt	WPO	Codes
160	DEWYLAKE	PRESSURE	Pa	CONSTANT	1.01E+05	1.01E+05	0.00E+00	1.01E+05	1.01E+05	2/8/96	1	32733	BF
154	DEWYLAKE	COMP_RCK	Pa ⁻¹	CONSTANT	1.00E-08	1.00E-08	0.00E+00	1.00E-08	1.00E-08	11/1/95	4B	32802	BF
2696	DEWYLAKE	KPT	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2/20/96	4B	32703	BF
156	DEWYLAKE	PC_MAX	Pa	CONSTANT	1.00E+08	1.00E+08	0.00E+00	1.00E+08	1.00E+08	11/1/95	4B	32728	BF
2697	DEWYLAKE	PCT_A	Pa	CONSTANT	2.60E-01	2.60E-01	0.00E+00	2.60E-01	2.60E-01	2/20/96	4B	32725	BF
2698	DEWYLAKE	PCT_EXP	NONE	CONSTANT	-3.48E-01	-3.48E-01	0.00E+00	-3.48E-01	-3.48E-01	2/20/96	4B	32727	BF
159	DEWYLAKE	PO_MIN	Pa	CONSTANT	1.01E+05	1.01E+05	0.00E+00	1.01E+05	1.01E+05	2/21/96	4B	32732	BF
153	DEWYLAKE	CAP_MOD	NONE	CONSTANT	2.00E+00	2.00E+00	0.00E+00	2.00E+00	2.00E+00	2/20/96	4B	32797	BF
158	DEWYLAKE	POROSITY	NONE	STUDENT	1.43E-01	1.43E-01	7.66E-02	3.50E-02	2.48E-01	2/20/96	1	32731	BF
170	DEWYLAKE	SAT_RGAS	NONE	CONSTANT	7.71E-02	7.71E-02	0.00E+00	7.71E-02	7.71E-02	2/20/96	4B	32743	BF
161	DEWYLAKE	PRMX_LOG	log(m ²)	CONSTANT	-1.63E+01	-1.63E+01	0.00E+00	-1.63E+01	-1.63E+01	2/22/96	1	32734	BF
162	DEWYLAKE	PRMY_LOG	log(m ²)	CONSTANT	-1.63E+01	-1.63E+01	0.00E+00	-1.63E+01	-1.63E+01	2/22/96	1	32735	BF
163	DEWYLAKE	PRMZ_LOG	log(m ²)	CONSTANT	-1.63E+01	-1.63E+01	0.00E+00	-1.63E+01	-1.63E+01	2/22/96	-1	32736	BF
166	DEWYLAKE	RELP_MOD	NONE	CONSTANT	4.00E+00	4.00E+00	0.00E+00	4.00E+00	4.00E+00	11/1/95	4B	32739	BF
167	DEWYLAKE	SAL_USAT	NONE	CONSTANT	8.36E-02	8.36E-02	0.00E+00	8.36E-02	8.36E-02	1/30/97	5	32740	BF
168	DEWYLAKE	SAT_IBRN	NONE	CONSTANT	1.00E+00	1.00E+00	0.00E+00	1.00E+00	1.00E+00	11/1/95	4B	32741	BF
169	DEWYLAKE	SAT_RBRN	NONE	CONSTANT	8.36E-02	8.36E-02	0.00E+00	8.36E-02	8.36E-02	2/22/96	4B	32742	BF
157	DEWYLAKE	PORE_DIS	NONE	CONSTANT	6.44E-01	6.44E-01	0.00E+00	6.44E-01	6.44E-01	2/20/96	4B	32730	BF

14. Forty Niner Member

ID	Material	Parameter	Units	Distribution	Mean	Median	Deviation	Low	High	Entry Date	Impt	WPO	Codes
2094	FORTYNIN	SAT_RGAS	NONE	CONSTANT	2.00E-01	2.00E-01	0.00E+00	2.00E-01	2.00E-01	11/1/95	4B	33024	BF
2240	FORTYNIN	SAT_RBRN	NONE	CONSTANT	2.00E-01	2.00E-01	0.00E+00	2.00E-01	2.00E-01	11/1/95	4B	33022	BF
2093	FORTYNIN	RELP_MOD	NONE	CONSTANT	4.00E+00	4.00E+00	0.00E+00	4.00E+00	4.00E+00	11/1/95	4B	33019	BF
2901	FORTYNIN	PRMZ_LOG	log(m ²)	CONSTANT	-3.50E+01	-3.50E+01	0.00E+00	-3.50E+01	-3.50E+01	2/11/96	4B	33010	BF
2900	FORTYNIN	PRMY_LOG	log(m ²)	CONSTANT	-3.50E+01	-3.50E+01	0.00E+00	-3.50E+01	-3.50E+01	2/11/96	4B	33008	BF
2899	FORTYNIN	PRMX_LOG	log(m ²)	CONSTANT	-3.50E+01	-3.50E+01	0.00E+00	-3.50E+01	-3.50E+01	2/11/96	4B	33002	BF
2088	FORTYNIN	POROSITY	NONE	STUDENT	8.20E-02	8.20E-02	1.03E-01	0.00E+00	2.40E-01	2/20/96	1	32995	BF
2087	FORTYNIN	PORE_DIS	NONE	CONSTANT	7.00E-01	7.00E-01	0.00E+00	7.00E-01	7.00E-01	11/1/95	4B	32991	BF
2718	FORTYNIN	PO_MIN	Pa	CONSTANT	1.01E+05	1.01E+05	0.00E+00	1.01E+05	1.01E+05	2/21/96	4B	32997	BF
2717	FORTYNIN	PCT_EXP	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	11/14/95	4B	32986	BF
2716	FORTYNIN	PCT_A	Pa	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	11/14/95	4B	32984	BF
2239	FORTYNIN	PC_MAX	Pa	CONSTANT	1.00E+08	1.00E+08	0.00E+00	1.00E+08	1.00E+08	11/1/95	4B	32989	BF
2715	FORTYNIN	KPT	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2/20/96	4B	32982	BF
2238	FORTYNIN	COMP_RCK	Pa ⁻¹	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	11/1/95	4B	32979	BF
2085	FORTYNIN	CAP_MOD	NONE	CONSTANT	1.00E+00	1.00E+00	0.00E+00	1.00E+00	1.00E+00	11/1/95	4B	32975	BF

15. Magenta Dolomite

ID	Material	Parameter	Units	Distribution	Mean	Median	Deviation	Low	High	Entry Date	Impt	WPO	Codes
2101	MAGENTA	PRESSURE	Pa	CONSTANT	9.17E+05	9.17E+05	0.00E+00	9.17E+05	9.17E+05	2/8/96	1	32539	BF
3016	MAGENTA	COMP_RCK	Pa ⁻¹	STUDENT	2.64E-10	2.64E-10	1.42E-10	1.16E-10	4.55E-10	2/13/96	1	33249	BF
2725	MAGENTA	KPT	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2/20/96	4B	33254	BF
2098	MAGENTA	PC_MAX	Pa	CONSTANT	1.00E+08	1.00E+08	0.00E+00	1.00E+08	1.00E+08	11/1/95	4B	33263	BF
2726	MAGENTA	PCT_A	Pa	CONSTANT	2.60E-01	2.60E-01	0.00E+00	2.60E-01	2.60E-01	2/20/96	4B	33257	BF
2727	MAGENTA	PCT_EXP	NONE	CONSTANT	-3.48E-01	-3.48E-01	0.00E+00	-3.48E-01	-3.48E-01	2/20/96	4B	33261	BF
2728	MAGENTA	PO_MIN	Pa	CONSTANT	1.01E+05	1.01E+05	0.00E+00	1.01E+05	1.01E+05	2/21/96	4B	32536	BF
2097	MAGENTA	CAP_MOD	NONE	CONSTANT	2.00E+00	2.00E+00	0.00E+00	2.00E+00	2.00E+00	11/1/95	4B	33239	BF
2100	MAGENTA	POROSITY	NONE	STUDENT	1.38E-01	1.38E-01	8.23E-02	2.70E-02	2.52E-01	2/6/96	1	32531	BF
2109	MAGENTA	THICK	m	CONSTANT	8.50E+00	8.50E+00	0.00E+00	8.50E+00	8.50E+00	1/30/97	5	32568*	BF
2102	MAGENTA	PRMX_LOG	log(m ²)	CONSTANT	-1.52E+01	-1.52E+01	0.00E+00	-1.52E+01	-1.52E+01	2/13/96	1	32545	BF
2103	MAGENTA	PRMY_LOG	log(m ²)	CONSTANT	-1.52E+01	-1.52E+01	0.00E+00	-1.52E+01	-1.52E+01	2/13/96	1	32547	BF
2104	MAGENTA	PRMZ_LOG	log(m ²)	CONSTANT	-1.52E+01	-1.52E+01	0.00E+00	-1.52E+01	-1.52E+01	2/13/96	1	32550	BF
2106	MAGENTA	RELP_MOD	NONE	CONSTANT	4.00E+00	4.00E+00	0.00E+00	4.00E+00	4.00E+00	11/1/95	4A	32557	BF
2241	MAGENTA	SAT_RBRN	NONE	CONSTANT	8.36E-02	8.36E-02	0.00E+00	8.36E-02	8.36E-02	2/22/96	4B	32560	BF
2107	MAGENTA	SAT_RGAS	NONE	CONSTANT	7.71E-02	7.71E-02	0.00E+00	7.71E-02	7.71E-02	2/20/96	4B	32562	BF
2099	MAGENTA	PORE_DIS	NONE	CONSTANT	6.44E-01	6.44E-01	0.00E+00	6.44E-01	6.44E-01	2/22/96	4B	32493	BF

16. Tamarisk Member

ID	Material	Parameter	Units	Distribution	Mean	Median	Deviation	Low	High	Entry Date	Impt	WPO	Codes
2192	TAMARISK	SAT_RGAS	NONE	CONSTANT	2.00E-01	2.00E-01	0.00E+00	2.00E-01	2.00E-01	11/1/95	4B	34591	BF
2245	TAMARISK	SAT_RBRN	NONE	CONSTANT	2.00E-01	2.00E-01	0.00E+00	2.00E-01	2.00E-01	11/1/95	4B	34589	BF
2191	TAMARISK	REL_P_MOD	NONE	CONSTANT	4.00E+00	4.00E+00	0.00E+00	4.00E+00	4.00E+00	11/1/95	4B	34588	BF
2916	TAMARISK	PRMZ_LOG	log(m^2)	CONSTANT	-3.50E+01	-3.50E+01	0.00E+00	-3.50E+01	-3.50E+01	2/16/96	4B	34586	BF
2915	TAMARISK	PRMY_LOG	log(m^2)	CONSTANT	-3.50E+01	-3.50E+01	0.00E+00	-3.50E+01	-3.50E+01	2/13/96	4B	34583	BF
2914	TAMARISK	PRMX_LOG	log(m^2)	CONSTANT	-3.50E+01	-3.50E+01	0.00E+00	-3.50E+01	-3.50E+01	2/13/96	4B	34580	BF
2186	TAMARISK	POROSITY	NONE	STUDENT	6.40E-02	6.40E-02	9.56E-02	0.00E+00	2.17E-01	2/20/96	1	34568	BF
2185	TAMARISK	PORE_DIS	NONE	CONSTANT	7.00E-01	7.00E-01	0.00E+00	7.00E-01	7.00E-01	11/1/95	4B	34565	BF
2796	TAMARISK	PO_MIN	Pa	CONSTANT	1.01E+05	1.01E+05	0.00E+00	1.01E+05	1.01E+05	2/21/96	4B	34571	BF
2795	TAMARISK	PCT_EXP	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	11/14/95	4B	34562	BF
2794	TAMARISK	PCT_A	Pa	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	11/14/95	4B	34560	BF
2244	TAMARISK	PC_MAX	Pa	CONSTANT	1.00E+08	1.00E+08	0.00E+00	1.00E+08	1.00E+08	11/1/95	4B	34563	BF
2793	TAMARISK	KPT	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2/20/96	4B	34558	BF
2243	TAMARISK	COMP_RCK	Pa^-1	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	11/1/95	4B	34529	BF
2183	TAMARISK	CAP_MOD	NONE	CONSTANT	1.00E+00	1.00E+00	0.00E+00	1.00E+00	1.00E+00	11/1/95	4B	34524	BF

17. Culebra Dolomite

ID	Material	Parameter	Units	Distribution	Mean	Median	Deviation	Low	High	Entry Date	Impt	WPO	Codes
2692	CULEBRA	PCT_A	Pa	CONSTANT	2.60E-01	2.60E-01	0.00E+00	2.60E-01	2.60E-01	2/20/96	4B	32752	BF
119	CULEBRA	CAP_MOD	NONE	CONSTANT	2.00E+00	2.00E+00	0.00E+00	2.00E+00	2.00E+00	11/1/95	4B	32686	BF
120	CULEBRA	COMP_RCK	Pa^-1	CONSTANT	1.00E-10	1.00E-10	0.00E+00	1.00E-10	1.00E-10	11/1/95	4B	32688	BF
3483	CULEBRA	DISP_L	m	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6/12/96	1	38354	TP
3484	CULEBRA	DISPT_L	m	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6/12/96	1	38355	TP
843	CULEBRA	DNSGRAIN	kg/m^3	CONSTANT	2.82E+03	2.82E+03	0.00E+00	2.82E+03	2.82E+03	6/10/96	1	32689	NU/TP
3486	CULEBRA	DPOROS	NONE	CUMULATIVE	1.60E-01	1.60E-01	3.50E-02	1.00E-01	2.50E-01	6/13/96	1	38357	TP
3474	CULEBRA	DTORT	NONE	CONSTANT	1.10E-01	1.10E-01	0.00E+00	1.10E-01	1.10E-01	6/10/96	1	38345	TP
3462	CULEBRA	ETHICK	m	CONSTANT	4.00E+00	4.00E+00	0.00E+00	4.00E+00	4.00E+00	5/7/96	1	37727	FL/TP
123	CULEBRA	FRCTRDX	NONE	UNIFORM	5.00E-01	5.00E-01	2.89E-01	0.00E+00	1.00E+00	1/23/97	5	32529*	BF
861	CULEBRA	FTORT	NONE	CONSTANT	1.00E+00	1.00E+00	0.00E+00	1.00E+00	1.00E+00	5/9/96	4B	32541	TP
3485	CULEBRA	HMBLKL	m	UNIFORM	2.75E-01	2.75E-01	1.30E-01	5.00E-02	5.00E-01	6/13/96	1	38356	TP
2691	CULEBRA	KPT	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2/20/96	4B	32555	BF
3418	CULEBRA	MEA_STOR	NONE	CONSTANT	1.00E-05	1.00E-05	0.00E+00	1.00E-05	1.00E-05	5/1/96	1	37664	GI
3487	CULEBRA	APOROS	NONE	LOGUNIFORM	2.10E-03	1.00E-03	2.50E-03	1.00E-04	1.00E-02	6/14/96	1	38358	TP
143	CULEBRA	PRMX_LOG	log(m^2)	CONSTANT	-1.37E+01	-1.37E+01	0.00E+00	-1.37E+01	-1.37E+01	2/13/96	1	32775	BF
3469	CULEBRA	SKIN_RES	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5/9/96	4B	37735	TP
151	CULEBRA	SAT_RGAS	NONE	CONSTANT	7.71E-02	7.71E-02	0.00E+00	7.71E-02	7.71E-02	2/20/96	4B	32783	BF
150	CULEBRA	SAT_RBRN	NONE	CONSTANT	8.36E-02	8.36E-02	0.00E+00	8.36E-02	8.36E-02	2/22/96	4B	32782	BF
149	CULEBRA	SAT_IBRN	NONE	CONSTANT	1.00E+00	1.00E+00	0.00E+00	1.00E+00	1.00E+00	11/1/95	4B	32781	BF
148	CULEBRA	REL_P_MOD	NONE	CONSTANT	4.00E+00	4.00E+00	0.00E+00	4.00E+00	4.00E+00	11/1/95	4B	32780	BF
3419	CULEBRA	MINP_FAC	NONE	UNIFORM	5.01E+02	5.01E+02	2.88E+02	1.00E+00	1.00E+03	5/1/96	1	37666	FL
144	CULEBRA	PRMY_LOG	log(m^2)	CONSTANT	-1.37E+01	-1.37E+01	0.00E+00	-1.37E+01	-1.37E+01	2/13/96	1	32776	BF
137	CULEBRA	PC_MAX	Pa	CONSTANT	1.00E+08	1.00E+08	0.00E+00	1.00E+08	1.00E+08	11/1/95	4B	32755	BF
142	CULEBRA	PRESSURE	Pa	CONSTANT	8.22E+05	8.22E+05	0.00E+00	8.22E+05	8.22E+05	2/8/96	1	32774	BF
140	CULEBRA	POROSITY	NONE	CONSTANT	1.51E-01	1.51E-01	0.00E+00	1.51E-01	1.51E-01	2/1/96	1	32769	BF
139	CULEBRA	PORE_DIS	NONE	CONSTANT	6.44E-01	6.44E-01	0.00E+00	6.44E-01	6.44E-01	2/20/96	4B	32764	BF
141	CULEBRA	PO_MIN	Pa	CONSTANT	1.01E+05	1.01E+05	0.00E+00	1.01E+05	1.01E+05	2/21/96	4B	32772	BF
2693	CULEBRA	PCT_EXP	NONE	CONSTANT	-3.48E-01	-3.48E-01	0.00E+00	-3.48E-01	-3.48E-01	2/20/96	4B	32753	BF
2071	CULEBRA	THICK	m	CONSTANT	7.75E+00	7.75E+00	0.00E+00	7.75E+00	7.75E+00	5/1/96	1	32790	BF/FL
145	CULEBRA	PRMZ_LOG	log(m^2)	CONSTANT	-1.37E+01	-1.37E+01	0.00E+00	-1.37E+01	-1.37E+01	2/13/96	1	32777	BF

18. Unnamed Lower Member

ID	Material	Parameter	Units	Distribution	Mean	Median	Deviation	Low	High	Entry Date	Impt	WPO	Codes
2226	UNNAMED	SAT_RGAS	NONE	CONSTANT	2.00E-01	2.00E-01	0.00E+00	2.00E-01	2.00E-01	11/1/95	4B	34703	BF
2248	UNNAMED	SAT_RBRN	NONE	CONSTANT	2.00E-01	2.00E-01	0.00E+00	2.00E-01	2.00E-01	11/1/95	4B	34702	BF
2225	UNNAMED	REL_P_MOD	NONE	CONSTANT	4.00E+00	4.00E+00	0.00E+00	4.00E+00	4.00E+00	11/1/95	4B	34701	BF
2913	UNNAMED	PRMZ_LOG	log(m ²)	CONSTANT	-3.50E+01	-3.50E+01	0.00E+00	-3.50E+01	-3.50E+01	2/13/96	4B	34699	BF
2912	UNNAMED	PRMY_LOG	log(m ²)	CONSTANT	-3.50E+01	-3.50E+01	0.00E+00	-3.50E+01	-3.50E+01	2/13/96	4B	34697	BF
2911	UNNAMED	PRMX_LOG	log(m ²)	CONSTANT	-3.50E+01	-3.50E+01	0.00E+00	-3.50E+01	-3.50E+01	2/13/96	4B	34695	BF
2220	UNNAMED	POROSITY	NONE	STUDENT	1.81E-01	1.81E-01	1.27E-01	2.00E-03	2.73E-01	2/20/96	1	34692	BF
2219	UNNAMED	PORE_DIS	NONE	CONSTANT	7.00E-01	7.00E-01	0.00E+00	7.00E-01	7.00E-01	11/1/95	4B	34691	BF
2802	UNNAMED	PO_MIN	Pa	CONSTANT	1.01E+05	1.01E+05	0.00E+00	1.01E+05	1.01E+05	2/21/96	4B	34693	BF
2801	UNNAMED	PCT_EXP	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	11/14/95	4B	34689	BF
2800	UNNAMED	PCT_A	Pa	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	11/14/95	4B	34688	BF
2247	UNNAMED	PC_MAX	Pa	CONSTANT	1.00E+08	1.00E+08	0.00E+00	1.00E+08	1.00E+08	11/1/95	4B	34690	BF
2799	UNNAMED	KPT	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2/20/96	4B	34687	BF
2218	UNNAMED	COMP_RCK	Pa ⁻¹	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	11/1/95	4B	34686	BF
2217	UNNAMED	CAP_MOD	NONE	CONSTANT	1.00E+00	1.00E+00	0.00E+00	1.00E+00	1.00E+00	11/1/95	4B	34684	BF

19A. Salado Halite

ID	Material	Parameter	Units	Distribution	Mean	Median	Deviation	Low	High	Entry Date	Impt	WPO	Codes
544	S_HALITE	POROSITY	NONE	CUMULATIVE	1.28E-02	1.00E-02	8.52E-03	1.00E-03	3.00E-02	2/1/96	1	34387	BF
541	S_HALITE	COMP_RCK	Pa ⁻¹	UNIFORM	9.75E-11	9.75E-11	5.46E-11	2.94E-12	1.92E-10	2/1/96	1	34210	BF
1703	S_HALITE	DNSGRAIN	kg/m ³	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1/23/97	5	34211*	BF
2778	S_HALITE	KPT	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2/20/96	4B	34233	BF
1724	S_HALITE	MDISP_L	m	CONSTANT	1.00E+02	1.00E+02	0.00E+00	1.00E+02	1.00E+02	2/12/96	4B	34234*	BF/NU
1725	S_HALITE	MDISP_T	m	CONSTANT	5.00E+00	5.00E+00	0.00E+00	5.00E+00	5.00E+00	2/12/96	4B	34235*	NU/BF
542	S_HALITE	PC_MAX	Pa	CONSTANT	1.00E+08	1.00E+08	0.00E+00	1.00E+08	1.00E+08	11/1/95	4B	34379	BF
2779	S_HALITE	PCT_A	Pa	CONSTANT	5.60E-01	5.60E-01	0.00E+00	5.60E-01	5.60E-01	2/22/96	4B	34375	BF
2780	S_HALITE	PCT_EXP	NONE	CONSTANT	-3.46E-01	-3.46E-01	0.00E+00	-3.46E-01	-3.46E-01	2/22/96	4B	34377	BF
540	S_HALITE	CAP_MOD	NONE	CONSTANT	2.00E+00	2.00E+00	0.00E+00	2.00E+00	2.00E+00	11/1/95	4B	34208	BF
543	S_HALITE	PORE_DIS	NONE	CUMULATIVE	2.90E+00	7.00E-01	3.10E+00	2.00E-01	1.00E+01	11/1/95	4B	34385	BF
1742	S_HALITE	TORTUSTY	NONE	CONSTANT	1.00E+01	1.00E+01	0.00E+00	1.00E+01	1.00E+01	2/12/96	4B	34428*	NU
546	S_HALITE	PRESSURE	Pa	UNIFORM	1.25E+07	1.25E+07	8.23E+05	1.10E+07	1.39E+07	2/8/96	1	34394	BF
547	S_HALITE	PRMX_LOG	log(m ²)	UNIFORM	-2.25E+01	-2.25E+01	8.66E-01	-2.40E+01	-2.10E+01	3/6/96	1B	34397A	BF
548	S_HALITE	PRMY_LOG	log(m ²)	UNIFORM	-2.25E+01	-2.25E+01	8.66E-01	-2.40E+01	-2.10E+01	3/6/96	1B	34399A	BF
549	S_HALITE	PRMZ_LOG	log(m ²)	UNIFORM	-2.25E+01	-2.25E+01	8.66E-01	-2.40E+01	-2.10E+01	3/6/96	1B	34401A	BF
553	S_HALITE	REL_P_MOD	NONE	DELTA	4.00E+00	4.00E+00	0.00E+00	1.00E+00	4.00E+00	11/1/95	4B	34412	BF
554	S_HALITE	SAT_IBRN	NONE	CONSTANT	1.00E+00	1.00E+00	0.00E+00	1.00E+00	1.00E+00	11/1/95	4B	34416	BF
555	S_HALITE	SAT_RBRN	NONE	UNIFORM	3.00E-01	3.00E-01	1.73E-01	0.00E+00	6.00E-01	11/1/95	4B	34418	BF
556	S_HALITE	SAT_RGAS	NONE	UNIFORM	2.00E-01	2.00E-01	1.15E-01	0.00E+00	4.00E-01	11/1/95	4B	34420	BF
545	S_HALITE	PO_MIN	Pa	CONSTANT	1.01E+05	1.01E+05	0.00E+00	1.01E+05	1.01E+05	2/21/96	4B	34391	BF

19B. Salado Brine

ID	Material	Parameter	Units	Distribution	Mean	Median	Deviation	Low	High	Entry Date	Impt	WPO	Codes
57	BRINESAL	WTF	NONE	STUDENT	3.24E-01	3.24E-01	9.83E-03	3.07E-01	3.32E-01	2/20/96	1	31552	BF
55	BRINESAL	VISCO	Pa*s	CONSTANT	2.10E-03	2.10E-03	0.00E+00	2.10E-03	2.10E-03	2/9/96	1	31548	BF
52	BRINESAL	RSLOPE	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1/23/97	5	31544*	BF
51	BRINESAL	REF_TEMP	K	CONSTANT	3.00E+02	3.00E+02	0.00E+00	3.00E+02	3.00E+02	11/2/95	4B	31543	BF
50	BRINESAL	REF_PRES	Pa	CONSTANT	1.01E+05	1.01E+05	0.00E+00	1.01E+05	1.01E+05	11/2/95	4B	31542	BF
49	BRINESAL	DNSFLUID	kg/m ³	CONSTANT	1.22E+03	1.22E+03	0.00E+00	1.22E+03	1.22E+03	2/1/96	1	31541	BF
48	BRINESAL	COMPRES	Pa ⁻¹	CONSTANT	3.10E-10	3.10E-10	0.00E+00	3.10E-10	3.10E-10	2/1/96	1	31540	BF

20. Marker Bed 138

ID	Material	Parameter	Units	Distribution	Mean	Median	Deviation	Low	High	Entry Date	Impt	WPO	Codes
563	S_MB138	PF_DELTA	Pa	CONSTANT	3.80E+06	3.80E+06	0.00E+00	3.80E+06	3.80E+06	2/22/96	4B	34516	BF
559	S_MB138	CAP_MOD	NONE	CONSTANT	2.00E+00	2.00E+00	0.00E+00	2.00E+00	2.00E+00	2/11/96	4A	34430A	BF
560	S_MB138	COMP_RCK	Pa ⁻¹	STUDENT	8.26E-11	8.26E-11	1.11E-10	1.09E-11	2.75E-10	2/14/96	4A	34439	BF
1743	S_MB138	DNSGRAIN	kg/m ³	CONSTANT	2.75E+03	2.75E+03	0.00E+00	2.75E+03	2.75E+03	2/1/96	1	34441	BF/NU
2169	S_MB138	DPHIMAX	NONE	CONSTANT	3.90E-02	3.90E-02	0.00E+00	3.90E-02	3.90E-02	2/22/96	4B	34442	BF
2902	S_MB138	EXPKLINK	NONE	CONSTANT	-3.41E-01	-3.41E-01	0.00E+00	-3.41E-01	-3.41E-01	4/23/96	4A	34443A	BF
2810	S_MB138	IFRX	NONE	CONSTANT	1.00E+00	1.00E+00	0.00E+00	1.00E+00	1.00E+00	1/30/96	4B	34465	BF
2813	S_MB138	IFRY	NONE	CONSTANT	1.00E+00	1.00E+00	0.00E+00	1.00E+00	1.00E+00	1/30/96	4B	34466	BF
2816	S_MB138	IFRZ	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1/31/96	4B	34471	BF
2170	S_MB138	KMAXLOG	log(m ²)	CONSTANT	-9.00E+00	-9.00E+00	0.00E+00	-9.00E+00	-9.00E+00	2/22/96	4B	34476	BF
2783	S_MB138	KPT	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2/20/96	4B	34479	BF
561	S_MB138	PC_MAX	Pa	CONSTANT	1.00E+08	1.00E+08	0.00E+00	1.00E+08	1.00E+08	2/1/96	4A	34512A	BF
2904	S_MB138	BKLINK	Pa	CONSTANT	2.71E-01	2.71E-01	0.00E+00	2.71E-01	2.71E-01	4/23/96	4A	34429A	BF
2785	S_MB138	PCT_EXP	NONE	CONSTANT	-3.48E-01	-3.48E-01	0.00E+00	-3.48E-01	-3.48E-01	2/8/96	4A	34507	BF
578	S_MB138	SAT_RGAS	NONE	STUDENT	7.71E-02	7.71E-02	6.41E-02	1.40E-02	1.97E-01	2/22/96	4A	34546	BF
565	S_MB138	PI_DELTA	Pa	CONSTANT	2.00E+05	2.00E+05	0.00E+00	2.00E+05	2.00E+05	2/22/96	4B	34523	BF
568	S_MB138	PO_MIN	Pa	CONSTANT	1.01E+05	1.01E+05	0.00E+00	1.01E+05	1.01E+05	2/21/96	4B	34531	BF
566	S_MB138	PORE_DIS	NONE	STUDENT	6.44E-01	6.44E-01	1.09E-01	4.91E-01	8.42E-01	2/22/96	4A	34527	BF
567	S_MB138	POROSITY	NONE	STUDENT	1.10E-02	1.10E-02	3.04E-03	6.00E-03	1.70E-02	2/21/96	4A	34530	BF
569	S_MB138	PRESSURE	Pa	STUDENT	1.16E+07	1.16E+07	1.27E+06	9.38E+06	1.29E+07	2/19/96	4A	34532	BF
570	S_MB138	PRMX_LOG	log(m ²)	STUDENT	-1.89E+01	-1.89E+01	1.20E+00	-2.10E+01	-1.71E+01	2/11/96	4A	34536	BF
571	S_MB138	PRMY_LOG	log(m ²)	STUDENT	-1.89E+01	-1.89E+01	1.20E+00	-2.10E+01	-1.71E+01	2/11/96	4A	34537	BF
572	S_MB138	PRMZ_LOG	log(m ²)	STUDENT	-1.89E+01	-1.89E+01	1.20E+00	-2.10E+01	-1.71E+01	2/11/96	4A	34538	BF
575	S_MB138	RELP_MOD	NONE	DELTA	4.00E+00	4.00E+00	0.00E+00	1.00E+00	4.00E+00	2/8/96	4A	34542A	BF
576	S_MB138	SAT_IBRN	NONE	CONSTANT	1.00E+00	1.00E+00	0.00E+00	1.00E+00	1.00E+00	2/11/96	1	34544	BF
577	S_MB138	SAT_RBRN	NONE	STUDENT	8.36E-02	8.36E-02	5.01E-02	7.78E-03	1.74E-01	11/21/96	4A	34545	BF
2784	S_MB138	PCT_A	Pa	CONSTANT	2.60E-01	2.60E-01	0.00E+00	2.60E-01	2.60E-01	2/8/96	4A	34505	BF

21. Anhydrite Beds A and B

ID	Material	Parameter	Units	Distribution	Mean	Median	Deviation	Low	High	Entry Date	Impt	WPO	Codes
2775	S_ANH_AB	PCT_EXP	NONE	CONSTANT	-3.48E-01	-3.48E-01	0.00E+00	-3.48E-01	-3.48E-01	2/8/96	4A	34184	BF
520	S_ANH_AB	CAP_MOD	NONE	CONSTANT	2.00E+00	2.00E+00	0.00E+00	2.00E+00	2.00E+00	2/8/96	4A	34130	BF
521	S_ANH_AB	COMP_RCK	Pa^-1	STUDENT	8.26E-11	8.26E-11	1.11E-10	1.09E-11	2.75E-10	2/14/96	4A	34135	BF
1661	S_ANH_AB	DNSGRAIN	kg/m^3	CONSTANT	2.75E+03	2.75E+03	0.00E+00	2.75E+03	2.75E+03	2/12/96	4A	34137	NU/BF
2158	S_ANH_AB	DPHIMAX	NONE	CONSTANT	2.39E-01	2.39E-01	0.00E+00	2.39E-01	2.39E-01	2/22/96	4B	34138	BF
2820	S_ANH_AB	EXPKLINK	NONE	CONSTANT	-3.41E-01	-3.41E-01	0.00E+00	-3.41E-01	-3.41E-01	4/23/96	4A	34139A	BF
2812	S_ANH_AB	IFRX	NONE	CONSTANT	1.00E+00	1.00E+00	0.00E+00	1.00E+00	1.00E+00	1/30/96	4B	34158	BF
2815	S_ANH_AB	IFRY	NONE	CONSTANT	1.00E+00	1.00E+00	0.00E+00	1.00E+00	1.00E+00	1/30/96	4B	34159	BF
2818	S_ANH_AB	IFRZ	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1/31/96	4B	34160	BF
2159	S_ANH_AB	KMAXLOG	log(m^2)	CONSTANT	-9.00E+00	-9.00E+00	0.00E+00	-9.00E+00	-9.00E+00	2/22/96	4B	34163	BF
2773	S_ANH_AB	KPT	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2/20/96	4B	34165	BF
1684	S_ANH_AB	MDISP_L	m	CONSTANT	1.00E+02	1.00E+02	0.00E+00	1.00E+02	1.00E+02	2/12/96	4B	34166*	BF/NU
1685	S_ANH_AB	MDISP_T	m	CONSTANT	5.00E+00	5.00E+00	0.00E+00	5.00E+00	5.00E+00	2/12/96	4B	34167*	NU/BF
2819	S_ANH_AB	BKLINK	Pa	CONSTANT	2.71E-01	2.71E-01	0.00E+00	2.71E-01	2.71E-01	4/23/96	4A	34129A	BF
2774	S_ANH_AB	PCT_A	Pa	CONSTANT	2.60E-01	2.60E-01	0.00E+00	2.60E-01	2.60E-01	2/8/96	4A	34183	BF
1702	S_ANH_AB	TORTUSTY	NONE	CONSTANT	1.00E+01	1.00E+01	0.00E+00	1.00E+01	1.00E+01	2/12/96	4B	34207*	NU
524	S_ANH_AB	PF_DELTA	Pa	CONSTANT	3.80E+06	3.80E+06	0.00E+00	3.80E+06	3.80E+06	2/22/96	4B	34187	BF
526	S_ANH_AB	PI_DELTA	Pa	CONSTANT	2.00E+05	2.00E+05	0.00E+00	2.00E+05	2.00E+05	2/22/96	4B	34190	BF
529	S_ANH_AB	PO_MIN	Pa	CONSTANT	1.01E+05	1.01E+05	0.00E+00	1.01E+05	1.01E+05	2/21/96	4B	34194	BF
527	S_ANH_AB	PORE_DIS	NONE	STUDENT	6.44E-01	6.44E-01	1.09E-01	4.91E-01	8.42E-01	2/22/96	4A	34192	BF
528	S_ANH_AB	POROSITY	NONE	STUDENT	1.10E-02	1.10E-02	3.04E-03	6.00E-03	1.70E-02	2/21/96	4A	34193	BF
531	S_ANH_AB	PRMX_LOG	log(m^2)	STUDENT	-1.89E+01	-1.89E+01	1.20E+00	-2.10E+01	-1.71E+01	2/11/96	4A	34196	BF
532	S_ANH_AB	PRMY_LOG	log(m^2)	STUDENT	-1.89E+01	-1.89E+01	1.20E+00	-2.10E+01	-1.71E+01	2/11/96	4A	34197	BF
533	S_ANH_AB	PRMZ_LOG	log(m^2)	STUDENT	-1.89E+01	-1.89E+01	1.20E+00	-2.10E+01	-1.71E+01	2/11/96	4A	34198	BF
536	S_ANH_AB	RELP_MOD	NONE	DELTA	4.00E+00	4.00E+00	0.00E+00	1.00E+00	4.00E+00	2/8/96	4A	34201	BF
537	S_ANH_AB	SAT_IBRN	NONE	CONSTANT	1.00E+00	1.00E+00	0.00E+00	1.00E+00	1.00E+00	2/8/96	4A	34202	BF
538	S_ANH_AB	SAT_RBRN	NONE	STUDENT	8.36E-02	8.36E-02	5.01E-02	7.78E-03	1.74E-01	11/21/96	4A	34203	BF
539	S_ANH_AB	SAT_RGAS	NONE	STUDENT	7.71E-02	7.71E-02	6.41E-02	1.40E-02	1.97E-01	2/19/96	4A	34204	BF
522	S_ANH_AB	PC_MAX	Pa	CONSTANT	1.00E+08	1.00E+08	0.00E+00	1.00E+08	1.00E+08	2/11/96	4A	34185	BF

22. Disturbed Rock Zone

ID	Material	Parameter	Units	Distribution	Mean	Median	Deviation	Low	High	Entry Date	Impt	WPO	Codes
2703	DRZ_0	PCT_EXP	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	11/14/95	4B	32833	BF
174	DRZ_0	CAP_MOD	NONE	CONSTANT	1.00E+00	1.00E+00	0.00E+00	1.00E+00	1.00E+00	2/12/96	4B	32754	BF
186	DRZ_0	RELP_MOD	NONE	DELTA	4.00E+00	4.00E+00	0.00E+00	1.00E+00	4.00E+00	11/1/95	4B	32856	BF
183	DRZ_0	PRMZ_LOG	log(m^2)	CONSTANT	-1.70E+01	-1.70E+01	0.00E+00	-1.70E+01	-1.70E+01	11/1/95	4B	32850A	BF
182	DRZ_0	PRMY_LOG	log(m^2)	CONSTANT	-1.70E+01	-1.70E+01	0.00E+00	-1.70E+01	-1.70E+01	11/1/95	4B	32849A	BF
181	DRZ_0	PRMX_LOG	log(m^2)	CONSTANT	-1.70E+01	-1.70E+01	0.00E+00	-1.70E+01	-1.70E+01	11/1/95	4B	32847A	BF
178	DRZ_0	POROSITY	NONE	CUMULATIVE	1.57E-02	1.29E-02	8.52E-03	3.90E-03	3.29E-02	2/12/96	4B	32839	BF
188	DRZ_0	SAT_RBRN	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2/12/96	4B	32860	BF
179	DRZ_0	PO_MIN	Pa	CONSTANT	1.01E+05	1.01E+05	0.00E+00	1.01E+05	1.01E+05	2/21/96	4B	32844	BF
189	DRZ_0	SAT_RGAS	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2/12/96	4B	32862	BF
2702	DRZ_0	PCT_A	Pa	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	11/14/95	4B	32832	BF
176	DRZ_0	PC_MAX	Pa	CONSTANT	1.00E+08	1.00E+08	0.00E+00	1.00E+08	1.00E+08	11/1/95	4B	32834	BF
945	DRZ_0	MDISP_T	m	CONSTANT	5.00E+00	5.00E+00	0.00E+00	5.00E+00	5.00E+00	2/12/96	4B	32805*	BF/NU
944	DRZ_0	MDISP_L	m	CONSTANT	1.00E+02	1.00E+02	0.00E+00	1.00E+02	1.00E+02	2/12/96	4B	32804*	NU/BF
2701	DRZ_0	KPT	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2/20/96	4B	32801	BF
175	DRZ_0	COMP_RCK	Pa^-1	CONSTANT	7.41E-10	7.41E-10	0.00E+00	7.41E-10	7.41E-10	2/12/96	4B	32758	BF
177	DRZ_0	PORE_DIS	NONE	CONSTANT	7.00E-01	7.00E-01	0.00E+00	7.00E-01	7.00E-01	2/12/96	4B	32837	BF
962	DRZ_0	TORTUSTY	NONE	CONSTANT	1.00E+01	1.00E+01	0.00E+00	1.00E+01	1.00E+01	2/12/96	4B	32868*	NU/BF
187	DRZ_0	SAT_IBRN	NONE	CONSTANT	1.00E+00	1.00E+00	0.00E+00	1.00E+00	1.00E+00	11/1/95	4B	32857	BF
3129	DRZ_1	PCT_EXP	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2/21/96	4B	36560	BF
205	DRZ_1	SAT_RBRN	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	11/1/95	4B	32912	BF
203	DRZ_1	RELP_MOD	NONE	DELTA	4.00E+00	4.00E+00	0.00E+00	1.00E+00	4.00E+00	2/12/96	4B	32910	BF
200	DRZ_1	PRMZ_LOG	log(m^2)	CONSTANT	-1.50E+01	-1.50E+01	0.00E+00	-1.50E+01	-1.50E+01	11/1/95	4B	32907A	BF
199	DRZ_1	PRMY_LOG	log(m^2)	CONSTANT	-1.50E+01	-1.50E+01	0.00E+00	-1.50E+01	-1.50E+01	11/1/95	4B	32906A	BF
198	DRZ_1	PRMX_LOG	log(m^2)	CONSTANT	-1.50E+01	-1.50E+01	0.00E+00	-1.50E+01	-1.50E+01	11/1/95	4B	32905A	BF
195	DRZ_1	POROSITY	NONE	CUMULATIVE	1.57E-02	1.29E-02	8.52E-03	3.90E-03	3.29E-02	2/12/96	4B	32902	BF
196	DRZ_1	PO_MIN	Pa	CONSTANT	1.01E+05	1.01E+05	0.00E+00	1.01E+05	1.01E+05	2/21/96	4B	32903	BF
206	DRZ_1	SAT_RGAS	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	11/1/95	4B	32913	BF
3128	DRZ_1	PCT_A	Pa	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2/21/96	4B	36559A	BF
193	DRZ_1	PC_MAX	Pa	CONSTANT	1.00E+08	1.00E+08	0.00E+00	1.00E+08	1.00E+08	11/1/95	4B	32899	BF
3116	DRZ_1	KPT	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2/20/96	4B	32870	BF
191	DRZ_1	COMP_RCK	Pa^-1	CONSTANT	7.41E-10	7.41E-10	0.00E+00	7.41E-10	7.41E-10	2/12/96	4B	32871	BF
190	DRZ_1	CAP_MOD	NONE	CONSTANT	1.00E+00	1.00E+00	0.00E+00	1.00E+00	1.00E+00	2/12/96	4B	32869	BF
194	DRZ_1	PORE_DIS	NONE	CONSTANT	7.00E-01	7.00E-01	0.00E+00	7.00E-01	7.00E-01	2/12/96	4B	32901	BF

23A. Waste Panel

ID	Material	Parameter	Units	Distribution	Mean	Median	Deviation	Low	High	Entry Date	Impt	WPO	Codes
2040	WAS_AREA	DIRONCHW	kg/m ³	CONSTANT	1.70E+02	1.70E+02	0.00E+00	1.70E+02	1.70E+02	2/13/96	2	32468	BF
651	WAS_AREA	ABSRUGH	m	UNIFORM	2.50E-02	2.50E-02	8.66E-03	1.00E-02	4.00E-02	11/14/95	4B	34980	CS
2046	WAS_AREA	DRUBBRHW	kg/m ³	CONSTANT	3.30E+00	3.30E+00	0.00E+00	3.30E+00	3.30E+00	2/13/96	2	32483	BF
2042	WAS_AREA	DRUBBCHW	kg/m ³	CONSTANT	1.00E+01	1.00E+01	0.00E+00	1.00E+01	1.00E+01	2/13/96	2	32481	BF
2228	WAS_AREA	DPLSCRHW	kg/m ³	CONSTANT	3.10E+00	3.10E+00	0.00E+00	3.10E+00	3.10E+00	2/13/96	2	32480	BF
1995	WAS_AREA	DPLSCCHW	kg/m ³	CONSTANT	2.60E+01	2.60E+01	0.00E+00	2.60E+01	2.60E+01	2/13/96	2	32478	BF
2275	WAS_AREA	DPLASRHW	kg/m ³	CONSTANT	1.50E+01	1.50E+01	0.00E+00	1.50E+01	1.50E+01	2/13/96	2	32476	BF
2043	WAS_AREA	DPLASCHW	kg/m ³	CONSTANT	3.40E+01	3.40E+01	0.00E+00	3.40E+01	3.40E+01	2/13/96	2	32474	BF
657	WAS_AREA	GRATMICI	mol/kg*s	UNIFORM	4.91E-09	4.91E-09	2.65E-09	3.17E-10	9.51E-09	2/8/96	1B	34928	BF
2044	WAS_AREA	DIRONRHW	kg/m ³	CONSTANT	1.00E+02	1.00E+02	0.00E+00	1.00E+02	1.00E+02	2/13/96	2	32469	BF
2804	WAS_AREA	KPT	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2/20/96	4B	34942	BF
1993	WAS_AREA	DIRNCRHW	kg/m ³	CONSTANT	2.59E+03	2.59E+03	0.00E+00	2.59E+03	2.59E+03	2/13/96	2	32467	BF
1992	WAS_AREA	DIRNCCHW	kg/m ³	CONSTANT	1.39E+02	1.39E+02	0.00E+00	1.39E+02	1.39E+02	2/13/96	2	32466	BF
2274	WAS_AREA	DCELLRHW	kg/m ³	CONSTANT	1.70E+01	1.70E+01	0.00E+00	1.70E+01	1.70E+01	2/13/96	2	32465	BF
2041	WAS_AREA	DCELLCHW	kg/m ³	CONSTANT	5.40E+01	5.40E+01	0.00E+00	5.40E+01	5.40E+01	2/13/96	2	32464	BF
653	WAS_AREA	COMP_RCK	Pa ⁻¹	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2/8/96	4B	34987	BF
3454	WAS_AREA	CLOSMOD	NONE	CONSTANT	4.00E+00	4.00E+00	0.00E+00	4.00E+00	4.00E+00	6/4/96	4B	38200	BF
652	WAS_AREA	CAP_MOD	NONE	CONSTANT	1.00E+00	1.00E+00	0.00E+00	1.00E+00	1.00E+00	2/8/96	4B	34982	BF
1994	WAS_AREA	DNSGRAIN	kg/m ³	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1/8/97	5	36967*	BF
663	WAS_AREA	PRMX_LOG	log(m ²)	CONSTANT	-1.28E+01	-1.28E+01	0.00E+00	-1.28E+01	-1.28E+01	2/8/96	1	34877	BF
2232	WAS_AREA	VOLCHW	m ³	CONSTANT	1.69E+05	1.69E+05	0.00E+00	1.69E+05	1.69E+05	2/13/96	2	32484	BF
2231	WAS_AREA	SAT_WICK	NONE	UNIFORM	5.00E-01	5.00E-01	2.89E-01	0.00E+00	1.00E+00	11/2/95	4B	34908	BF
671	WAS_AREA	SAT_RGAS	NONE	UNIFORM	7.50E-02	7.50E-02	4.33E-02	0.00E+00	1.50E-01	2/22/96	4B	34905	BF
670	WAS_AREA	SAT_RBRN	NONE	UNIFORM	2.76E-01	2.76E-01	1.59E-01	0.00E+00	5.52E-01	2/21/96	4B	34902	BF
669	WAS_AREA	SAT_IBRN	NONE	CONSTANT	1.50E-02	1.50E-02	0.00E+00	1.50E-02	1.50E-02	2/20/96	4B	34894	BF
668	WAS_AREA	REL_P_MOD	NONE	CONSTANT	4.00E+00	4.00E+00	0.00E+00	4.00E+00	4.00E+00	2/8/96	4B	34890	BF
2823	WAS_AREA	PROBDEG	NONE	DELTA	2.00E+00	2.00E+00	0.00E+00	0.00E+00	2.00E+00	2/23/96	4B	34881	BF
656	WAS_AREA	GRATMICH	mol/kg*s	UNIFORM	6.34E-10	6.34E-10	3.66E-10	0.00E+00	1.27E-09	2/8/96	1B	34923	BF
664	WAS_AREA	PRMY_LOG	log(m ²)	CONSTANT	-1.28E+01	-1.28E+01	0.00E+00	-1.28E+01	-1.28E+01	2/8/96	1	34878	BF
2233	WAS_AREA	VOLRHW	m ³	CONSTANT	7.08E+03	7.08E+03	0.00E+00	7.08E+03	7.08E+03	2/13/96	2	32485	BF
662	WAS_AREA	PRESSURE	Pa	CONSTANT	1.01E+05	1.01E+05	0.00E+00	1.01E+05	1.01E+05	11/2/95	4B	34876	BF
660	WAS_AREA	POROSITY	NONE	CONSTANT	8.48E-01	8.48E-01	0.00E+00	8.48E-01	8.48E-01	2/8/96	4B	34874	BF
659	WAS_AREA	PORE_DIS	NONE	CUMULATIVE	3.25E+00	2.89E+00	1.27E+00	1.44E+00	5.78E+00	2/22/96	4B	34989	BF
661	WAS_AREA	PO_MIN	Pa	CONSTANT	1.01E+05	1.01E+05	0.00E+00	1.01E+05	1.01E+05	2/21/96	4B	34875	BF
2806	WAS_AREA	PCT_EXP	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2/8/96	4B	34984	BF
2805	WAS_AREA	PCT_A	Pa	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2/8/96	4B	34983	BF
658	WAS_AREA	PC_MAX	Pa	CONSTANT	1.00E+08	1.00E+08	0.00E+00	1.00E+08	1.00E+08	11/2/95	4B	34986	BF
665	WAS_AREA	PRMZ_LOG	log(m ²)	CONSTANT	-1.28E+01	-1.28E+01	0.00E+00	-1.28E+01	-1.28E+01	2/8/96	1	34879	BF

23B. Waste Chemistry

ID	Material	Parameter	Units	Distribution	Mean	Median	Deviation	Low	High	Entry Date	Impl	WPO	Codes
3220	AC225	ATWEIGHT	kg/mole	CONSTANT	2.25E-01	2.25E-01	0.00E+00	2.25E-01	2.25E-01	4/10/96	3	36738	CS/NU
3321	AC225	EPAREL	Ci/wuf	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4/16/96	3	36868	CS
3267	AC225	HALFLIFE	s	CONSTANT	8.64E+05	8.64E+05	0.00E+00	8.64E+05	8.64E+05	4/16/96	3	36795	CS/NU
3221	AC227	ATWEIGHT	kg/mole	CONSTANT	2.27E-01	2.27E-01	0.00E+00	2.27E-01	2.27E-01	4/10/96	3	36739	CS/NU
3364	AC227	EPAREL	Ci/wuf	CONSTANT	1.00E+02	1.00E+02	0.00E+00	1.00E+02	1.00E+02	4/16/96	3	36926	CS
3268	AC227	HALFLIFE	s	CONSTANT	6.87E+08	6.87E+08	0.00E+00	6.87E+08	6.87E+08	4/16/96	3	36796	CS/NU
3222	AC228	ATWEIGHT	kg/mole	CONSTANT	2.28E-01	2.28E-01	0.00E+00	2.28E-01	2.28E-01	4/10/96	3	36740	CS/NU
3322	AC228	EPAREL	Ci/wuf	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4/16/96	3	36869	CS
3269	AC228	HALFLIFE	s	CONSTANT	2.21E+04	2.21E+04	0.00E+00	2.21E+04	2.21E+04	4/16/96	3	36797	CS/NU
3457	AM	CAPHUM	moles/liter	CONSTANT	1.10E-05	1.10E-05	0.00E+00	1.10E-05	1.10E-05	5/8/96	1	37721	NU
3447	AM	CAPMIC	moles/liter	CONSTANT	1.00E+00	1.00E+00	0.00E+00	1.00E+00	1.00E+00	5/8/96	1	37712	NU
3310	AM	CONCINT	moles/liter	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4/16/96	1	36857	NU
3441	AM	CONCMIN	moles/liter	CONSTANT	2.60E-08	2.60E-08	0.00E+00	2.60E-08	2.60E-08	5/8/96	1	37704	NU
3311	AM	PROPMIC	NONE	CONSTANT	3.60E+00	3.60E+00	0.00E+00	3.60E+00	3.60E+00	4/16/96	1	36858	NU
3444	AM+3	MD0	m ² /s	CONSTANT	3.00E-10	3.00E-10	0.00E+00	3.00E-10	3.00E-10	5/17/96	1	37709	TP/NU
3482	AM+3	MKD_AM	m ³ /kg	UNIFORM	2.60E-01	2.60E-01	1.40E-01	2.00E-02	5.00E-01	6/12/96	1	38353	NU/TP
2	AM241	ATWEIGHT	kg/mole	CONSTANT	2.41E-01	2.41E-01	0.00E+00	2.41E-01	2.41E-01	11/2/95	3	31357	CS/FL/ TP/NU
3363	AM241	EPAREL	Ci/wuf	CONSTANT	1.00E+02	1.00E+02	0.00E+00	1.00E+02	1.00E+02	4/16/96	3	36925	CS
3	AM241	HALFLIFE	s	CONSTANT	1.36E+10	1.36E+10	0.00E+00	1.36E+10	1.36E+10	4/16/96	3	31358	NU/CS
4	AM241	INVCHD	Ci	CONSTANT	4.78E+05	4.78E+05	0.00E+00	4.78E+05	4.78E+05	10/29/96	2	31359A	CS/PN/ NU
5	AM241	INVRHD	Ci	CONSTANT	9.44E+03	9.44E+03	0.00E+00	9.44E+03	9.44E+03	10/29/96	2	31360A	NU/CS/ PN
3223	AM243	ATWEIGHT	kg/mole	CONSTANT	2.43E-01	2.43E-01	0.00E+00	2.43E-01	2.43E-01	4/10/96	3	36741	NU/CS
3365	AM243	EPAREL	Ci/wuf	CONSTANT	1.00E+02	1.00E+02	0.00E+00	1.00E+02	1.00E+02	4/16/96	3	36927	CS
6	AM243	HALFLIFE	s	CONSTANT	2.33E+11	2.33E+11	0.00E+00	2.33E+11	2.33E+11	4/16/96	3	31374	CS/NU
3415	AM243	INVCHD	Ci	CONSTANT	3.25E+01	3.25E+01	0.00E+00	3.25E+01	3.25E+01	10/29/96	2	37138A	NU/PN/ CS
3416	AM243	INVRHD	Ci	CONSTANT	2.27E-04	2.27E-04	0.00E+00	2.27E-04	2.27E-04	10/29/96	2	37139A	NU/PN/ CS
3224	AT217	ATWEIGHT	kg/mole	CONSTANT	2.17E-01	2.17E-01	0.00E+00	2.17E-01	2.17E-01	4/10/96	3	36742	CS/NU
3323	AT217	EPAREL	Ci/wuf	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4/16/96	3	36870	CS
3270	AT217	HALFLIFE	s	CONSTANT	3.23E-02	3.23E-02	0.00E+00	3.23E-02	3.23E-02	4/16/96	3	36799	CS/NU
3225	BA137	ATWEIGHT	kg/mole	CONSTANT	1.37E-01	1.37E-01	0.00E+00	1.37E-01	1.37E-01	4/10/96	3	36743	NU/CS
3324	BA137	EPAREL	Ci/wuf	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4/16/96	3	36871	CS
3271	BA137	HALFLIFE	s	CONSTANT	1.00E+38	1.00E+38	0.00E+00	1.00E+38	1.00E+38	4/16/96	3	36800	CS/NU
3226	BA137M	ATWEIGHT	kg/mole	CONSTANT	1.37E-01	1.37E-01	0.00E+00	1.37E-01	1.37E-01	4/10/96	3	36744	CS/NU
3325	BA137M	EPAREL	Ci/wuf	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4/16/96	3	36872	CS
3272	BA137M	HALFLIFE	s	CONSTANT	1.53E+02	1.53E+02	0.00E+00	1.53E+02	1.53E+02	4/16/96	3	36801	CS/NU
3227	BI211	ATWEIGHT	kg/mole	CONSTANT	2.11E-01	2.11E-01	0.00E+00	2.11E-01	2.11E-01	4/10/96	3	36746	NU/CS
3326	BI211	EPAREL	Ci/wuf	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4/16/96	3	36873	CS
3273	BI211	HALFLIFE	s	CONSTANT	1.28E+02	1.28E+02	0.00E+00	1.28E+02	1.28E+02	4/16/96	3	36803	NU/CS
3228	BI212	ATWEIGHT	kg/mole	CONSTANT	2.12E-01	2.12E-01	0.00E+00	2.12E-01	2.12E-01	4/10/96	3	36748	NU/CS
3327	BI212	EPAREL	Ci/wuf	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4/16/96	3	36874	CS
3274	BI212	HALFLIFE	s	CONSTANT	3.63E+03	3.63E+03	0.00E+00	3.63E+03	3.63E+03	4/16/96	3	36804	NU/CS
3229	BI213	ATWEIGHT	kg/mole	CONSTANT	2.13E-01	2.13E-01	0.00E+00	2.13E-01	2.13E-01	4/10/96	3	36749	NU/CS
3328	BI213	EPAREL	Ci/wuf	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4/16/96	3	36875	CS
3275	BI213	HALFLIFE	s	CONSTANT	2.74E+03	2.74E+03	0.00E+00	2.74E+03	2.74E+03	4/16/96	3	36806	CS/NU
3230	BI214	ATWEIGHT	kg/mole	CONSTANT	2.14E-01	2.14E-01	0.00E+00	2.14E-01	2.14E-01	4/10/96	3	36750	CS/NU
3329	BI214	EPAREL	Ci/wuf	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4/16/96	3	36876	CS
3276	BI214	HALFLIFE	s	CONSTANT	1.19E+03	1.19E+03	0.00E+00	1.19E+03	1.19E+03	4/16/96	3	36807	CS/NU
2994	CELLULS	FBETA	NONE	UNIFORM	5.00E-01	5.00E-01	2.89E-01	0.00E+00	1.00E+00	2/13/96	4A	31826	BF

23B. Waste Chemistry

ID	Material	Parameter	Units	Distribution	Mean	Median	Deviation	Low	High	Entry Date	Impt	WPO	Codes
838	CF	LOGSOLM	log(moles/l)	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5/1/96	4B	31827	NU
106	CF252	ATWEIGHT	kg/mole	CONSTANT	2.52E-01	2.52E-01	0.00E+00	2.52E-01	2.52E-01	11/2/95	3	31828	TP/CS/ FL/NU
3330	CF252	EPAREL	Ci/wuf	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4/16/96	3	36877	CS
107	CF252	HALFLIFE	s	CONSTANT	8.33E+07	8.33E+07	0.00E+00	8.33E+07	8.33E+07	4/16/96	3	31829	NU/CS
108	CF252	INVCHD	Ci	CONSTANT	1.12E-04	1.12E-04	0.00E+00	1.12E-04	1.12E-04	10/29/96	2	31830A	NU/CS/ PN
109	CF252	INVRHD	Ci	CONSTANT	5.96E-05	5.96E-05	0.00E+00	5.96E-05	5.96E-05	10/29/96	2	31831A	PN/CS/ NU
3231	CM243	ATWEIGHT	kg/mole	CONSTANT	2.43E-01	2.43E-01	0.00E+00	2.43E-01	2.43E-01	4/10/96	3	36751	NU/CS
3366	CM243	EPAREL	Ci/wuf	CONSTANT	1.00E+02	1.00E+02	0.00E+00	1.00E+02	1.00E+02	4/16/96	3	36928	CS
3277	CM243	HALFLIFE	s	CONSTANT	8.99E+08	8.99E+08	0.00E+00	8.99E+08	8.99E+08	4/16/96	3	36809	NU/CS
3410	CM243	INVCHD	Ci	CONSTANT	1.08E+00	1.08E+00	0.00E+00	1.08E+00	1.08E+00	10/29/96	2	37133A	NU/CS/ PN
3411	CM243	INVRHD	Ci	CONSTANT	1.97E+01	1.97E+01	0.00E+00	1.97E+01	1.97E+01	10/29/96	2	37134A	PN/CS/ NU
110	CM244	ATWEIGHT	kg/mole	CONSTANT	2.44E-01	2.44E-01	0.00E+00	2.44E-01	2.44E-01	11/2/95	3	32331	CS/TP/ NU/FL
3331	CM244	EPAREL	Ci/wuf	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4/16/96	3	36878	CS
111	CM244	HALFLIFE	s	CONSTANT	5.72E+08	5.72E+08	0.00E+00	5.72E+08	5.72E+08	4/16/96	3	32495	NU/CS
112	CM244	INVCHD	Ci	CONSTANT	7.36E+03	7.36E+03	0.00E+00	7.36E+03	7.36E+03	10/29/96	2	32496A	PN/NU/ CS
113	CM244	INVRHD	Ci	CONSTANT	7.36E+01	7.36E+01	0.00E+00	7.36E+01	7.36E+01	10/29/96	2	32497A	CS/PN/ NU
3232	CM245	ATWEIGHT	kg/mole	CONSTANT	2.45E-01	2.45E-01	0.00E+00	2.45E-01	2.45E-01	4/10/96	3	36752	NU/CS
3367	CM245	EPAREL	Ci/wuf	CONSTANT	1.00E+02	1.00E+02	0.00E+00	1.00E+02	1.00E+02	4/16/96	3	36929	CS
3278	CM245	HALFLIFE	s	CONSTANT	2.68E+11	2.68E+11	0.00E+00	2.68E+11	2.68E+11	4/16/96	3	36811	NU/CS
3412	CM245	INVCHD	Ci	CONSTANT	1.15E+02	1.15E+02	0.00E+00	1.15E+02	1.15E+02	10/29/96	2	37135A	PN/NU/ CS
3413	CM245	INVRHD	Ci	CONSTANT	1.48E-05	1.48E-05	0.00E+00	1.48E-05	1.48E-05	10/29/96	2	37136A	CS/PN/ NU
3233	CM248	ATWEIGHT	kg/mole	CONSTANT	2.48E-01	2.48E-01	0.00E+00	2.48E-01	2.48E-01	4/10/96	3	36754	CS/NU
3368	CM248	EPAREL	Ci/wuf	CONSTANT	1.00E+02	1.00E+02	0.00E+00	1.00E+02	1.00E+02	4/16/96	3	36930	CS
115	CM248	HALFLIFE	s	CONSTANT	1.07E+13	1.07E+13	0.00E+00	1.07E+13	1.07E+13	4/16/96	3	32499	CS/NU
2265	CM248	INVCHD	Ci	CONSTANT	3.69E-02	3.69E-02	0.00E+00	3.69E-02	3.69E-02	10/29/96	2	32500A	PN/NU/ CS
2266	CM248	INVRHD	Ci	CONSTANT	2.15E-04	2.15E-04	0.00E+00	2.15E-04	2.15E-04	10/29/96	2	32501A	PN/CS/ NU
841	CS	LOGSOLM	log(moles/l)	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5/1/96	4B	32680	NU
116	CS137	ATWEIGHT	kg/mole	CONSTANT	1.37E-01	1.37E-01	0.00E+00	1.37E-01	1.37E-01	11/2/95	3	32332	CS/TP/ FL/NU
3369	CS137	EPAREL	Ci/wuf	CONSTANT	1.00E+03	1.00E+03	0.00E+00	1.00E+03	1.00E+03	4/16/96	3	36931	CS
117	CS137	HALFLIFE	s	CONSTANT	9.47E+08	9.47E+08	0.00E+00	9.47E+08	9.47E+08	4/16/96	3	32682	CS/NU
2037	CS137	INVCHD	Ci	CONSTANT	3.35E+03	3.35E+03	0.00E+00	3.35E+03	3.35E+03	10/29/96	2	32683A	PN/NU/ CS
118	CS137	INVRHD	Ci	CONSTANT	8.98E+04	8.98E+04	0.00E+00	8.98E+04	8.98E+04	10/29/96	2	32684A	PN/NU/ CS
3234	FR221	ATWEIGHT	kg/mole	CONSTANT	2.21E-01	2.21E-01	0.00E+00	2.21E-01	2.21E-01	4/10/96	3	36755	CS/NU
3332	FR221	EPAREL	Ci/wuf	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4/16/96	3	36879	CS
3279	FR221	HALFLIFE	s	CONSTANT	2.88E+02	2.88E+02	0.00E+00	2.88E+02	2.88E+02	4/16/96	3	36812	NU/CS
3235	ND143	ATWEIGHT	kg/mole	CONSTANT	1.43E-01	1.43E-01	0.00E+00	1.43E-01	1.43E-01	4/10/96	3	36757	CS/NU
3333	ND143	EPAREL	Ci/wuf	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4/16/96	3	36880	CS
3280	ND143	HALFLIFE	s	CONSTANT	1.00E+38	1.00E+38	0.00E+00	1.00E+38	1.00E+38	4/16/96	3	36813	CS/NU
2906	NITRATE	QINIT	moles	CONSTANT	2.61E+07	2.61E+07	0.00E+00	2.61E+07	2.61E+07	2/22/96	2	32335	BF
3458	NP	CAPHUM	moles/liter	CONSTANT	1.10E-05	1.10E-05	0.00E+00	1.10E-05	1.10E-05	5/8/96	1	37723	NU
3313	NP	CAPMIC	moles/liter	CONSTANT	2.70E-03	2.70E-03	0.00E+00	2.70E-03	2.70E-03	4/16/96	1	36860	NU

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ID	Material	Parameter	Units	Distribution	Mean	Median	Deviation	Low	High	Entry Date	Impt	WPO	Codes
3312	NP	CONCINT	moles/liter	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4/16/96	1	36859	NU
3439	NP	CONCMIN	moles/liter	CONSTANT	2.60E-08	2.60E-08	0.00E+00	2.60E-08	2.60E-08	5/8/96	1	37700	NU
3314	NP	PROPMIC	NONE	CONSTANT	1.20E+01	1.20E+01	0.00E+00	1.20E+01	1.20E+01	4/16/96	1	36861	NU
3477	NP+4	MKD_NP	m ³ /kg	UNIFORM	1.00E+01	1.00E+01	5.50E+00	9.00E-01	2.00E+01	6/12/96	1	38348	NU/TP
3476	NP+5	MKD_NP	m ³ /kg	UNIFORM	1.00E-01	1.00E-01	5.70E-02	1.00E-03	2.00E-01	6/12/96	1	38347	NU/TP
246	NP237	ATWEIGHT	kg/mole	CONSTANT	2.37E-01	2.37E-01	0.00E+00	2.37E-01	2.37E-01	11/2/95	3	32336	FL/CS/ TP/NU
3370	NP237	EPAREL	Ci/wuf	CONSTANT	1.00E+02	1.00E+02	0.00E+00	1.00E+02	1.00E+02	4/16/96	3	36932	CS
247	NP237	HALFLIFE	s	CONSTANT	6.75E+13	6.75E+13	0.00E+00	6.75E+13	6.75E+13	4/16/96	3	32579	NU/CS
248	NP237	INVCHD	Ci	CONSTANT	6.19E+01	6.19E+01	0.00E+00	6.19E+01	6.19E+01	10/29/96	2	32584A	NU/PN/ CS
249	NP237	INVRHD	Ci	CONSTANT	2.95E+00	2.95E+00	0.00E+00	2.95E+00	2.95E+00	10/29/96	2	32593A	NU/CS/ PN
3236	NP239	ATWEIGHT	kg/mole	CONSTANT	2.39E-01	2.39E-01	0.00E+00	2.39E-01	2.39E-01	4/10/96	3	36758	CS/NU
3334	NP239	EPAREL	Ci/wuf	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4/16/96	3	36881	CS
3281	NP239	HALFLIFE	s	CONSTANT	2.04E+05	2.04E+05	0.00E+00	2.04E+05	2.04E+05	4/16/96	3	36815	CS/NU
250	PA231	ATWEIGHT	kg/mole	CONSTANT	2.31E-01	2.31E-01	0.00E+00	2.31E-01	2.31E-01	11/2/95	3	32337	FL/NU/ CS/TP
3371	PA231	EPAREL	Ci/wuf	CONSTANT	1.00E+02	1.00E+02	0.00E+00	1.00E+02	1.00E+02	4/16/96	3	36933	CS
251	PA231	HALFLIFE	s	CONSTANT	1.03E+12	1.03E+12	0.00E+00	1.03E+12	1.03E+12	4/16/96	3	32929	NU/CS
2267	PA231	INVCHD	Ci	CONSTANT	4.62E-01	4.62E-01	0.00E+00	4.62E-01	4.62E-01	10/29/96	2	32930A	NU/PN/ CS
2268	PA231	INVRHD	Ci	CONSTANT	5.63E-03	5.63E-03	0.00E+00	5.63E-03	5.63E-03	10/29/96	2	32931A	PN/CS/ NU
3237	PA233	ATWEIGHT	kg/mole	CONSTANT	2.33E-01	2.33E-01	0.00E+00	2.33E-01	2.33E-01	4/10/96	3	36759	CS/NU
3335	PA233	EPAREL	Ci/wuf	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4/16/96	3	36882	CS
3282	PA233	HALFLIFE	s	CONSTANT	2.33E+06	2.33E+06	0.00E+00	2.33E+06	2.33E+06	4/16/96	3	36828	NU/CS
3197	PA234M	ATWEIGHT	kg/mole	CONSTANT	2.34E-01	2.34E-01	0.00E+00	2.34E-01	2.34E-01	4/10/96	3	36660	CS/NU
3336	PA234M	EPAREL	Ci/wuf	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4/16/96	3	36883	CS
3283	PA234M	HALFLIFE	s	CONSTANT	7.02E+01	7.02E+01	0.00E+00	7.02E+01	7.02E+01	4/16/96	3	36829	NU/CS
282	PB	LOGSOLM	log(moles/l)	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5/13/96	4B	33213	PN
3421	PB209	ATWEIGHT	kg/mole	CONSTANT	2.09E-01	2.09E-01	0.00E+00	2.09E-01	2.09E-01	5/2/96	3	37670	NU/CS
3337	PB209	EPAREL	Ci/wuf	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4/16/96	3	36884	CS
3284	PB209	HALFLIFE	s	CONSTANT	1.19E+04	1.19E+04	0.00E+00	1.19E+04	1.19E+04	4/16/96	3	36830	CS/NU
283	PB210	ATWEIGHT	kg/mole	CONSTANT	2.10E-01	2.10E-01	0.00E+00	2.10E-01	2.10E-01	11/2/95	3	32338	CS/NU/ FL/TP
3372	PB210	EPAREL	Ci/wuf	CONSTANT	1.00E+02	1.00E+02	0.00E+00	1.00E+02	1.00E+02	4/16/96	3	36934	CS
284	PB210	HALFLIFE	s	CONSTANT	7.04E+08	7.04E+08	0.00E+00	7.04E+08	7.04E+08	4/16/96	3	33218	NU/CS
285	PB210	INVCHD	Ci	CONSTANT	8.75E+00	8.75E+00	0.00E+00	8.75E+00	8.75E+00	10/29/96	2	33221A	NU/PN/ CS
286	PB210	INVRHD	Ci	CONSTANT	1.14E-04	1.14E-04	0.00E+00	1.14E-04	1.14E-04	10/29/96	2	33223A	PN/NU/ CS
3200	PB211	ATWEIGHT	kg/mole	CONSTANT	2.11E-01	2.11E-01	0.00E+00	2.11E-01	2.11E-01	4/10/96	3	36705	CS/NU
3338	PB211	EPAREL	Ci/wuf	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4/16/96	3	36885	CS
3285	PB211	HALFLIFE	s	CONSTANT	2.17E+03	2.17E+03	0.00E+00	2.17E+03	2.17E+03	4/16/96	3	36831	CS/NU
3201	PB212	ATWEIGHT	kg/mole	CONSTANT	2.12E-01	2.12E-01	0.00E+00	2.12E-01	2.12E-01	4/10/96	3	36706	NU/CS
3339	PB212	EPAREL	Ci/wuf	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4/16/96	3	36886	CS
3286	PB212	HALFLIFE	s	CONSTANT	3.83E+04	3.83E+04	0.00E+00	3.83E+04	3.83E+04	4/16/96	3	36832	CS/NU
3202	PB214	ATWEIGHT	kg/mole	CONSTANT	2.14E-01	2.14E-01	0.00E+00	2.14E-01	2.14E-01	4/10/96	3	36707	CS/NU
3340	PB214	EPAREL	Ci/wuf	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4/16/96	3	36888	CS
3287	PB214	HALFLIFE	s	CONSTANT	1.61E+03	1.61E+03	0.00E+00	1.61E+03	1.61E+03	4/16/96	3	36833	CS/NU
3429	PHUMOX3	PHUMCIM	NONE	CUMULATIVE	1.10E+00	1.37E+00	4.69E-01	6.50E-02	1.60E+00	5/8/96	1	37683	NU
3433	PHUMOX3	PHUMSIM	NONE	CONSTANT	1.90E-01	1.90E-01	0.00E+00	1.90E-01	1.90E-01	5/8/96	1	37690	NU

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ID	Material	Parameter	Units	Distribution	Mean	Median	Deviation	Low	High	Entry Date	Impt	WPO	Codes
3430	PHUMOX4	PHUMCIM	NONE	CONSTANT	6.30E+00	6.30E+00	0.00E+00	6.30E+00	6.30E+00	5/8/96	1	37685	NU
3434	PHUMOX4	PHUMSIM	NONE	CONSTANT	6.30E+00	6.30E+00	0.00E+00	6.30E+00	6.30E+00	5/8/96	1	37691	NU
3431	PHUMOX5	PHUMCIM	NONE	CONSTANT	7.40E-03	7.40E-03	0.00E+00	7.40E-03	7.40E-03	5/8/96	1	37687	NU
3435	PHUMOX5	PHUMSIM	NONE	CONSTANT	9.10E-04	9.10E-04	0.00E+00	9.10E-04	9.10E-04	5/8/96	1	37694	NU
3432	PHUMOX6	PHUMCIM	NONE	CONSTANT	5.10E-01	5.10E-01	0.00E+00	5.10E-01	5.10E-01	5/8/96	1	37688	NU
3436	PHUMOX6	PHUMSIM	NONE	CONSTANT	1.20E-01	1.20E-01	0.00E+00	1.20E-01	1.20E-01	5/8/96	1	37695	NU
1167	PM	LOGSOLM	log(moles/l)	CONSTANT	4.66E+00	4.66E+00	0.00E+00	4.66E+00	4.66E+00	11/2/95	1	33227*	BF
287	PM147	ATWEIGHT	kg/mole	CONSTANT	1.47E-01	1.47E-01	0.00E+00	1.47E-01	1.47E-01	11/2/95	3	32339	TP/CS/ NU/FL
3341	PM147	EPAREL	Ci/wuf	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4/16/96	3	36889	CS
288	PM147	HALFLIFE	s	CONSTANT	8.28E+07	8.28E+07	0.00E+00	8.28E+07	8.28E+07	4/16/96	3	33231	NU/CS
2038	PM147	INVCHD	Ci	CONSTANT	3.43E-04	3.43E-04	0.00E+00	3.43E-04	3.43E-04	10/29/96	2	33233A	CS/PN/ NU
289	PM147	INVRHD	Ci	CONSTANT	4.67E-04	4.67E-04	0.00E+00	4.67E-04	4.67E-04	10/29/96	2	33236A	CS/PN/ NU
3203	PO212	ATWEIGHT	kg/mole	CONSTANT	2.12E-01	2.12E-01	0.00E+00	2.12E-01	2.12E-01	4/10/96	3	36708	NU/CS
3342	PO212	EPAREL	Ci/wuf	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4/16/96	3	36891	CS
3288	PO212	HALFLIFE	s	CONSTANT	3.00E-07	3.00E-07	0.00E+00	3.00E-07	3.00E-07	4/16/96	3	36834	NU/CS
3204	PO213	ATWEIGHT	kg/mole	CONSTANT	2.13E-01	2.13E-01	0.00E+00	2.13E-01	2.13E-01	4/10/96	3	36709	CS/NU
3343	PO213	EPAREL	Ci/wuf	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4/16/96	3	36892	CS
3289	PO213	HALFLIFE	s	CONSTANT	4.20E-06	4.20E-06	0.00E+00	4.20E-06	4.20E-06	4/16/96	3	36835	CS/NU
3205	PO214	ATWEIGHT	kg/mole	CONSTANT	2.14E-01	2.14E-01	0.00E+00	2.14E-01	2.14E-01	4/10/96	3	36710	NU/CS
3344	PO214	EPAREL	Ci/wuf	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4/16/96	3	36893	CS
3290	PO214	HALFLIFE	s	CONSTANT	1.64E-04	1.64E-04	0.00E+00	1.64E-04	1.64E-04	4/16/96	3	36836	NU/CS
3206	PO215	ATWEIGHT	kg/mole	CONSTANT	2.15E-01	2.15E-01	0.00E+00	2.15E-01	2.15E-01	4/10/96	3	36711	CS/NU
3345	PO215	EPAREL	Ci/wuf	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4/16/96	3	36894	CS
3291	PO215	HALFLIFE	s	CONSTANT	1.78E-03	1.78E-03	0.00E+00	1.78E-03	1.78E-03	4/16/96	3	36837	CS/NU
3207	PO216	ATWEIGHT	kg/mole	CONSTANT	2.16E-01	2.16E-01	0.00E+00	2.16E-01	2.16E-01	4/10/96	3	36712	NU/CS
3346	PO216	EPAREL	Ci/wuf	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4/16/96	3	36895	CS
3292	PO216	HALFLIFE	s	CONSTANT	1.50E-01	1.50E-01	0.00E+00	1.50E-01	1.50E-01	4/16/96	3	36838	NU/CS
3208	PO218	ATWEIGHT	kg/mole	CONSTANT	2.18E-01	2.18E-01	0.00E+00	2.18E-01	2.18E-01	4/10/96	3	36713	CS/NU
3347	PO218	EPAREL	Ci/wuf	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4/16/96	3	36896	CS
3293	PO218	HALFLIFE	s	CONSTANT	1.83E+02	1.83E+02	0.00E+00	1.83E+02	1.83E+02	4/16/96	3	36839	CS/NU
3459	PU	CAPHUM	moles/liter	CONSTANT	1.10E-05	1.10E-05	0.00E+00	1.10E-05	1.10E-05	5/8/96	1	37724	NU
3315	PU	CAPMIC	moles/liter	CONSTANT	6.80E-05	6.80E-05	0.00E+00	6.80E-05	6.80E-05	4/16/96	1	36862	NU
3316	PU	CONCINT	moles/liter	CONSTANT	1.00E-09	1.00E-09	0.00E+00	1.00E-09	1.00E-09	4/16/96	1	36863	NU
3440	PU	CONCMIN	moles/liter	CONSTANT	2.60E-08	2.60E-08	0.00E+00	2.60E-08	2.60E-08	5/8/96	1	37703	NU
3317	PU	PROPMIC	NONE	CONSTANT	3.00E-01	3.00E-01	0.00E+00	3.00E-01	3.00E-01	4/16/96	1	36864	NU
3442	PU+3	MD0	m^2/s	CONSTANT	3.00E-10	3.00E-10	0.00E+00	3.00E-10	3.00E-10	5/17/96	1	37705	TP/NU
3480	PU+3	MKD_PU	m^3/kg	UNIFORM	2.60E-01	2.60E-01	1.40E-01	2.00E-02	5.00E-01	6/12/96	1	38351	NU/TP
3443	PU+4	MD0	m^2/s	CONSTANT	1.53E-10	1.53E-10	0.00E+00	1.53E-10	1.53E-10	5/17/96	1	37708	TP/NU
3481	PU+4	MKD_PU	m^3/kg	UNIFORM	1.00E+01	1.00E+01	5.50E+00	9.00E-01	2.00E+01	6/12/96	1	38352	TP/NU
291	PU238	ATWEIGHT	kg/mole	CONSTANT	2.38E-01	2.38E-01	0.00E+00	2.38E-01	2.38E-01	11/2/95	3	32340	FL/CS/ TP/NU
3373	PU238	EPAREL	Ci/wuf	CONSTANT	1.00E+02	1.00E+02	0.00E+00	1.00E+02	1.00E+02	4/16/96	3	36935	CS
292	PU238	HALFLIFE	s	CONSTANT	2.77E+09	2.77E+09	0.00E+00	2.77E+09	2.77E+09	4/16/96	3	33245	NU/CS
293	PU238	INVCHD	Ci	CONSTANT	1.93E+06	1.93E+06	0.00E+00	1.93E+06	1.93E+06	10/29/96	2	33247A	NU/CS/ PN
294	PU238	INVRHD	Ci	CONSTANT	1.08E+03	1.08E+03	0.00E+00	1.08E+03	1.08E+03	10/29/96	2	33251A	CS/PN/ NU

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ID	Material	Parameter	Units	Distribution	Mean	Median	Deviation	Low	High	Entry Date	Impt	WPO	Codes
295	PU239	ATWEIGHT	kg/mole	CONSTANT	2.39E-01	2.39E-01	0.00E+00	2.39E-01	2.39E-01	11/2/95	3	32341	TP/CS/ NU/FL
3374	PU239	EPAREL	Ci/wuf	CONSTANT	1.00E+02	1.00E+02	0.00E+00	1.00E+02	1.00E+02	4/16/96	3	36936	CS
296	PU239	HALFLIFE	s	CONSTANT	7.59E+11	7.59E+11	0.00E+00	7.59E+11	7.59E+11	4/16/96	3	33256	CS/NU
297	PU239	INVCHD	Ci	CONSTANT	7.85E+05	7.85E+05	0.00E+00	7.85E+05	7.85E+05	10/29/96	2	33260A	CS/NU/ PN
298	PU239	INVRHD	Ci	CONSTANT	1.03E+04	1.03E+04	0.00E+00	1.03E+04	1.03E+04	10/29/96	2	33262A	CS/NU/ PN
299	PU240	ATWEIGHT	kg/mole	CONSTANT	2.40E-01	2.40E-01	0.00E+00	2.40E-01	2.40E-01	11/2/95	3	32342	FL/TP/ NU/CS
3375	PU240	EPAREL	Ci/wuf	CONSTANT	1.00E+02	1.00E+02	0.00E+00	1.00E+02	1.00E+02	4/16/96	3	36937	CS
300	PU240	HALFLIFE	s	CONSTANT	2.06E+11	2.06E+11	0.00E+00	2.06E+11	2.06E+11	4/16/96	3	33265	NU/CS
301	PU240	INVCHD	Ci	CONSTANT	2.09E+05	2.09E+05	0.00E+00	2.09E+05	2.09E+05	10/29/96	2	33267A	PN/CS/ NU
302	PU240	INVRHD	Ci	CONSTANT	5.05E+03	5.05E+03	0.00E+00	5.05E+03	5.05E+03	10/29/96	2	33268A	PN/NU/ CS
303	PU241	ATWEIGHT	kg/mole	CONSTANT	2.41E-01	2.41E-01	0.00E+00	2.41E-01	2.41E-01	11/2/95	3	32343	TP/NU/ FL/CS
3348	PU241	EPAREL	Ci/wuf	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4/16/96	3	36898	CS
304	PU241	HALFLIFE	s	CONSTANT	4.54E+08	4.54E+08	0.00E+00	4.54E+08	4.54E+08	4/16/96	3	33292	NU/CS
305	PU241	INVCHD	Ci	CONSTANT	3.71E+05	3.71E+05	0.00E+00	3.71E+05	3.71E+05	10/29/96	2	33270A	PN/NU/ CS
306	PU241	INVRHD	Ci	CONSTANT	2.28E+04	2.28E+04	0.00E+00	2.28E+04	2.28E+04	10/29/96	2	33271A	CS/NU/ PN
307	PU242	ATWEIGHT	kg/mole	CONSTANT	2.42E-01	2.42E-01	0.00E+00	2.42E-01	2.42E-01	11/2/95	3	32344	TP/FL/ NU/CS
3376	PU242	EPAREL	Ci/wuf	CONSTANT	1.00E+02	1.00E+02	0.00E+00	1.00E+02	1.00E+02	4/16/96	3	36938	CS
308	PU242	HALFLIFE	s	CONSTANT	1.22E+13	1.22E+13	0.00E+00	1.22E+13	1.22E+13	4/16/96	3	33295	NU/CS
309	PU242	INVCHD	Ci	CONSTANT	1.17E+03	1.17E+03	0.00E+00	1.17E+03	1.17E+03	10/29/96	2	33274A	NU/PN/ CS
310	PU242	INVRHD	Ci	CONSTANT	1.50E-01	1.50E-01	0.00E+00	1.50E-01	1.50E-01	10/29/96	2	33272A	PN/CS/ NU
311	PU244	ATWEIGHT	kg/mole	CONSTANT	2.44E-01	2.44E-01	0.00E+00	2.44E-01	2.44E-01	11/2/95	3	32345	CS/FL/ NU/TP
3377	PU244	EPAREL	Ci/wuf	CONSTANT	1.00E+02	1.00E+02	0.00E+00	1.00E+02	1.00E+02	4/16/96	3	36939	CS
312	PU244	HALFLIFE	s	CONSTANT	2.61E+15	2.61E+15	0.00E+00	2.61E+15	2.61E+15	4/16/96	3	33297	NU/CS
2269	PU244	INVCHD	Ci	CONSTANT	1.51E-06	1.51E-06	0.00E+00	1.51E-06	1.51E-06	10/29/96	2	33450A	NU/CS/ PN
2270	PU244	INVRHD	Ci	CONSTANT	8.50E-11	8.50E-11	0.00E+00	8.50E-11	8.50E-11	10/29/96	2	33452A	PN/NU/ CS
313	RA	LOGSOLM	log(moles/l)	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5/1/96	4B	33455	NU
3209	RA223	ATWEIGHT	kg/mole	CONSTANT	2.23E-01	2.23E-01	0.00E+00	2.23E-01	2.23E-01	4/10/96	3	36714	NU/CS
3349	RA223	EPAREL	Ci/wuf	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4/16/96	3	36899	CS
3294	RA223	HALFLIFE	s	CONSTANT	9.88E+05	9.88E+05	0.00E+00	9.88E+05	9.88E+05	4/16/96	3	36840	CS/NU
3210	RA224	ATWEIGHT	kg/mole	CONSTANT	2.24E-01	2.24E-01	0.00E+00	2.24E-01	2.24E-01	4/10/96	3	36715	NU/CS
3350	RA224	EPAREL	Ci/wuf	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4/16/96	3	36901	CS
3295	RA224	HALFLIFE	s	CONSTANT	3.16E+05	3.16E+05	0.00E+00	3.16E+05	3.16E+05	4/16/96	3	36841	CS/NU
3211	RA225	ATWEIGHT	kg/mole	CONSTANT	2.25E-01	2.25E-01	0.00E+00	2.25E-01	2.25E-01	4/10/96	3	36716	NU/CS
3351	RA225	EPAREL	Ci/wuf	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4/16/96	3	36902	CS
3296	RA225	HALFLIFE	s	CONSTANT	1.28E+06	1.28E+06	0.00E+00	1.28E+06	1.28E+06	4/16/96	3	36842	NU/CS
314	RA226	ATWEIGHT	kg/mole	CONSTANT	2.26E-01	2.26E-01	0.00E+00	2.26E-01	2.26E-01	11/2/95	3	32347	NU/CS/ TP/FL
3378	RA226	EPAREL	Ci/wuf	CONSTANT	1.00E+02	1.00E+02	0.00E+00	1.00E+02	1.00E+02	4/16/96	3	36940	CS
315	RA226	HALFLIFE	s	CONSTANT	5.05E+10	5.05E+10	0.00E+00	5.05E+10	5.05E+10	4/16/96	3	33458	CS/NU
316	RA226	INVCHD	Ci	CONSTANT	1.14E+01	1.14E+01	0.00E+00	1.14E+01	1.14E+01	10/29/96	2	33462A	PN/NU/ CS
317	RA226	INVRHD	Ci	CONSTANT	2.79E-04	2.79E-04	0.00E+00	2.79E-04	2.79E-04	10/29/96	2	33464A	PN/CS/ NU

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ID	Material	Parameter	Units	Distribution	Mean	Median	Deviation	Low	High	Entry Date	Impt	WPO	Codes
318	RA228	ATWEIGHT	kg/mole	CONSTANT	2.28E-01	2.28E-01	0.00E+00	2.28E-01	2.28E-01	2/12/96	3	32348	FL/TP/ NU/CS
3352	RA228	EPAREL	Ci/wuf	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4/16/96	3	36903	CS
319	RA228	HALFLIFE	s	CONSTANT	2.11E+08	2.11E+08	0.00E+00	2.11E+08	2.11E+08	4/16/96	3	33468	NU/CS
2271	RA228	INVCHD	Ci	CONSTANT	9.10E-01	9.10E-01	0.00E+00	9.10E-01	9.10E-01	10/29/96	2	33470A	PN/NU/ CS
2272	RA228	INVRHD	Ci	CONSTANT	9.23E-02	9.23E-02	0.00E+00	9.23E-02	9.23E-02	10/29/96	2	36968A	PN/CS/ NU
3212	RN219	ATWEIGHT	kg/mole	CONSTANT	2.19E-01	2.19E-01	0.00E+00	2.19E-01	2.19E-01	4/10/96	3	36719	CS/NU
3353	RN219	EPAREL	Ci/wuf	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4/16/96	3	36904	CS
3297	RN219	HALFLIFE	s	CONSTANT	3.96E+00	3.96E+00	0.00E+00	3.96E+00	3.96E+00	4/16/96	3	36843	CS/NU
3213	RN220	ATWEIGHT	kg/mole	CONSTANT	2.20E-01	2.20E-01	0.00E+00	2.20E-01	2.20E-01	4/10/96	3	36720	NU/CS
3354	RN220	EPAREL	Ci/wuf	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4/16/96	3	36906	CS
3298	RN220	HALFLIFE	s	CONSTANT	5.56E+01	5.56E+01	0.00E+00	5.56E+01	5.56E+01	4/16/96	3	36844	CS/NU
3214	RN222	ATWEIGHT	kg/mole	CONSTANT	2.22E-01	2.22E-01	0.00E+00	2.22E-01	2.22E-01	4/10/96	3	36732	NU/CS
3355	RN222	EPAREL	Ci/wuf	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4/16/96	3	36907	CS
3299	RN222	HALFLIFE	s	CONSTANT	3.30E+05	3.30E+05	0.00E+00	3.30E+05	3.30E+05	4/16/96	3	36845	CS/NU
514	SM147	ATWEIGHT	kg/mole	CONSTANT	1.47E-01	1.47E-01	0.00E+00	1.47E-01	1.47E-01	11/2/95	3	32455	NU/FL/ CS/TP
3379	SM147	EPAREL	Ci/wuf	CONSTANT	1.00E+02	1.00E+02	0.00E+00	1.00E+02	1.00E+02	4/16/96	3	36941	CS
515	SM147	HALFLIFE	s	CONSTANT	3.38E+18	3.38E+18	0.00E+00	3.38E+18	3.38E+18	4/16/96	3	34350	CS/FL/ NU/TP
3263	SOLAM3	SOLCIM	NONE	CUMULATIVE	1.80E-01	-9.00E-02	3.68E-01	-2.00E+00	1.40E+00	5/24/96	1	37106A	PN/NU
3262	SOLAM3	SOLSIM	NONE	CUMULATIVE	1.80E-01	-9.00E-02	3.68E-01	-2.00E+00	1.40E+00	5/24/96	1	37105A	NU/PN
3402	SOLMOD3	SOLCIM	moles/liter	CUMULATIVE	1.97E-07	6.52E-08	2.01E-07	6.52E-09	6.52E-07	5/24/96	1	37125A	PN/NU
3406	SOLMOD3	SOLSIM	moles/liter	CUMULATIVE	1.76E-06	5.82E-07	1.80E-06	5.82E-08	5.82E-06	5/24/96	1	37129A	PN/NU
3403	SOLMOD4	SOLCIM	moles/liter	CUMULATIVE	1.80E-08	6.00E-09	1.90E-08	6.00E-10	6.00E-08	4/24/96	1	37126	NU/PN
3407	SOLMOD4	SOLSIM	moles/liter	CUMULATIVE	1.30E-05	4.40E-06	1.40E-05	4.40E-07	4.40E-05	4/24/96	1	37130	PN/NU
3404	SOLMOD5	SOLCIM	moles/liter	CUMULATIVE	6.70E-06	2.20E-06	6.80E-06	2.20E-07	2.20E-05	4/24/96	1	37127	NU/PN
3408	SOLMOD5	SOLSIM	moles/liter	CUMULATIVE	7.00E-06	2.30E-06	7.10E-06	2.30E-07	2.30E-05	4/24/96	1	37131	NU/PN
3405	SOLMOD6	SOLCIM	moles/liter	CUMULATIVE	2.70E-05	8.80E-06	2.70E-05	8.80E-07	8.80E-05	4/24/96	1	37128	NU/PN
3409	SOLMOD6	SOLSIM	moles/liter	CUMULATIVE	2.60E-05	8.70E-06	2.70E-05	8.70E-07	8.70E-05	4/24/96	1	37132	NU/PN
3264	SOLPU3	SOLCIM	NONE	CUMULATIVE	1.80E-01	-9.00E-02	3.68E-01	-2.00E+00	1.40E+00	5/24/96	1	37108A	PN/NU
3265	SOLPU3	SOLSIM	NONE	CUMULATIVE	1.80E-01	-9.00E-02	3.68E-01	-2.00E+00	1.40E+00	5/24/96	1	37109A	PN/NU
3389	SOLPU4	SOLCIM	NONE	CUMULATIVE	1.80E-01	-9.00E-02	3.68E-01	-2.00E+00	1.40E+00	5/24/96	1	37111A	NU/PN
3266	SOLPU4	SOLSIM	NONE	CUMULATIVE	1.80E-01	-9.00E-02	3.68E-01	-2.00E+00	1.40E+00	5/24/96	1	37110A	PN/NU
3393	SOLTH4	SOLSIM	NONE	CUMULATIVE	1.80E-01	-9.00E-02	3.68E-01	-2.00E+00	1.40E+00	5/24/96	1	37115A	PN/NU
3390	SOLU4	SOLSIM	NONE	CUMULATIVE	1.80E-01	-9.00E-02	3.68E-01	-2.00E+00	1.40E+00	5/24/96	1	37112A	NU/PN
3392	SOLU6	SOLCIM	NONE	CUMULATIVE	1.80E-01	-9.00E-02	3.68E-01	-2.00E+00	1.40E+00	5/24/96	1	37114A	PN/NU
3391	SOLU6	SOLSIM	NONE	CUMULATIVE	1.80E-01	-9.00E-02	3.68E-01	-2.00E+00	1.40E+00	5/24/96	1	37113A	PN/NU
1659	SR	LOGSOLM	log(moles/l)	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5/1/96	4B	34352	NU
3215	SR90	ATWEIGHT	kg/mole	CONSTANT	8.99E-02	8.99E-02	0.00E+00	8.99E-02	8.99E-02	4/10/96	3	36733	CS/NU
3380	SR90	EPAREL	Ci/wuf	CONSTANT	1.00E+03	1.00E+03	0.00E+00	1.00E+03	1.00E+03	4/16/96	3	36942	CS
517	SR90	HALFLIFE	s	CONSTANT	9.19E+08	9.19E+08	0.00E+00	9.19E+08	9.19E+08	4/16/96	3	34353	CS
2039	SR90	INVCHD	Ci	CONSTANT	2.77E+03	2.77E+03	0.00E+00	2.77E+03	2.77E+03	10/29/96	2	34354A	PN/CS/ NU

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ID	Material	Parameter	Units	Distribution	Mean	Median	Deviation	Low	High	Entry Date	Impt	WPO	Codes
518	SR90	INVRHD	Ci	CONSTANT	8.45E+04	8.45E+04	0.00E+00	8.45E+04	8.45E+04	10/29/96	2	34355A	NU/PN/ CS
2907	STEEL	CORRMCO2	m/s	UNIFORM	7.94E-15	7.94E-15	4.58E-15	0.00E+00	1.59E-14	2/8/96	1	34357	BF
2908	STEEL	CORRWCO2	m/s	UNIFORM	1.03E-13	1.03E-13	5.96E-14	0.00E+00	2.06E-13	2/8/96	1	34358	BF
2910	STEEL	HUMCORR	m/s	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2/8/96	1	34127	BF
2898	STEEL	STOIFX	NONE	CONSTANT	1.00E+00	1.00E+00	0.00E+00	1.00E+00	1.00E+00	2/6/96	4A	34128	BF
2909	SULFATE	QINIT	moles	CONSTANT	6.59E+06	6.59E+06	0.00E+00	6.59E+06	6.59E+06	2/22/96	2	32457	BF
3461	TH	CAPHUM	moles/liter	CONSTANT	1.10E-05	1.10E-05	0.00E+00	1.10E-05	1.10E-05	5/8/96	1	37726	NU
3318	TH	CAPMIC	moles/liter	CONSTANT	1.90E-03	1.90E-03	0.00E+00	1.90E-03	1.90E-03	4/16/96	1	36865	NU
3319	TH	CONCINT	moles/liter	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4/16/96	1	36866	NU
3437	TH	CONCMIN	moles/liter	CONSTANT	2.60E-08	2.60E-08	0.00E+00	2.60E-08	2.60E-08	5/8/96	1	37697	NU
3320	TH	PROPMIC	NONE	CONSTANT	3.10E+00	3.10E+00	0.00E+00	3.10E+00	3.10E+00	4/16/96	1	36867	NU
3449	TH+4	MD0	m ² /s	CONSTANT	1.53E-10	1.53E-10	0.00E+00	1.53E-10	1.53E-10	5/17/96	1	37715	NU/TP
3478	TH+4	MKD_TH	m ³ /kg	UNIFORM	1.00E+01	1.00E+01	5.50E+00	9.00E-01	2.00E+01	6/12/96	1	38349	NU/TP
3216	TH227	ATWEIGHT	kg/mole	CONSTANT	2.27E-01	2.27E-01	0.00E+00	2.27E-01	2.27E-01	4/10/96	3	36734	NU/CS
3356	TH227	EPAREL	Ci/wuf	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4/16/96	3	36909	CS
3300	TH227	HALFLIFE	s	CONSTANT	1.62E+06	1.62E+06	0.00E+00	1.62E+06	1.62E+06	4/16/96	3	36846	NU/CS
3217	TH228	ATWEIGHT	kg/mole	CONSTANT	2.28E-01	2.28E-01	0.00E+00	2.28E-01	2.28E-01	4/10/96	3	36735	CS/NU
3357	TH228	EPAREL	Ci/wuf	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4/16/96	3	36910	CS
3301	TH228	HALFLIFE	s	CONSTANT	6.04E+07	6.04E+07	0.00E+00	6.04E+07	6.04E+07	4/16/96	3	36847	NU/CS
603	TH229	ATWEIGHT	kg/mole	CONSTANT	2.29E-01	2.29E-01	0.00E+00	2.29E-01	2.29E-01	11/2/95	3	34594	FL/TP/ NU/CS
3381	TH229	EPAREL	Ci/wuf	CONSTANT	1.00E+02	1.00E+02	0.00E+00	1.00E+02	1.00E+02	4/16/96	3	36943	CS
604	TH229	HALFLIFE	s	CONSTANT	2.32E+11	2.32E+11	0.00E+00	2.32E+11	2.32E+11	4/18/96	3	34595	NU/CS
605	TH229	INVCHD	Ci	CONSTANT	9.29E+00	9.29E+00	0.00E+00	9.29E+00	9.29E+00	10/29/96	2	34596A	NU/PN/ CS
606	TH229	INVRHD	Ci	CONSTANT	6.83E-01	6.83E-01	0.00E+00	6.83E-01	6.83E-01	10/29/96	2	34597A	CS/NU/ PN
607	TH230	ATWEIGHT	kg/mole	CONSTANT	2.30E-01	2.30E-01	0.00E+00	2.30E-01	2.30E-01	11/2/95	3	34600	NU/CS/ TP/FL
3382	TH230	EPAREL	Ci/wuf	CONSTANT	1.00E+01	1.00E+01	0.00E+00	1.00E+01	1.00E+01	4/16/96	3	36944	CS
608	TH230	HALFLIFE	s	CONSTANT	2.43E+12	2.43E+12	0.00E+00	2.43E+12	2.43E+12	4/16/96	3	34601	CS/NU
609	TH230	INVCHD	Ci	CONSTANT	2.83E-01	2.83E-01	0.00E+00	2.83E-01	2.83E-01	10/29/96	2	34602A	CS/PN/ NU
610	TH230	INVRHD	Ci	CONSTANT	2.22E-02	2.22E-02	0.00E+00	2.22E-02	2.22E-02	10/29/96	2	34603A	CS/NU/ PN
3218	TH231	ATWEIGHT	kg/mole	CONSTANT	2.31E-01	2.31E-01	0.00E+00	2.31E-01	2.31E-01	4/10/96	3	36736	CS/NU
3358	TH231	EPAREL	Ci/wuf	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4/16/96	3	36911	CS
3302	TH231	HALFLIFE	s	CONSTANT	9.19E+04	9.19E+04	0.00E+00	9.19E+04	9.19E+04	4/16/96	3	36848	NU/CS
611	TH232	ATWEIGHT	kg/mole	CONSTANT	2.32E-01	2.32E-01	0.00E+00	2.32E-01	2.32E-01	11/2/95	3	32458	CS/NU/ FL/TP
3383	TH232	EPAREL	Ci/wuf	CONSTANT	1.00E+01	1.00E+01	0.00E+00	1.00E+01	1.00E+01	4/16/96	3	36945	CS
612	TH232	HALFLIFE	s	CONSTANT	4.43E+17	4.43E+17	0.00E+00	4.43E+17	4.43E+17	4/16/96	3	34605	NU/CS
613	TH232	INVCHD	Ci	CONSTANT	9.14E-01	9.14E-01	0.00E+00	9.14E-01	9.14E-01	10/29/96	2	34606A	PN/NU/ CS
614	TH232	INVRHD	Ci	CONSTANT	9.26E-02	9.26E-02	0.00E+00	9.26E-02	9.26E-02	10/29/96	2	34607A	NU/CS/ PN
3219	TH234	ATWEIGHT	kg/mole	CONSTANT	2.34E-01	2.34E-01	0.00E+00	2.34E-01	2.34E-01	4/10/96	3	36737	CS/NU
3359	TH234	EPAREL	Ci/wuf	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4/16/96	3	36921	CS
3303	TH234	HALFLIFE	s	CONSTANT	2.08E+06	2.08E+06	0.00E+00	2.08E+06	2.08E+06	4/16/96	3	36849	NU/CS
3196	TL207	ATWEIGHT	kg/mole	CONSTANT	2.07E-01	2.07E-01	0.00E+00	2.07E-01	2.07E-01	4/10/96	3	36659	CS/NU
3360	TL207	EPAREL	Ci/wuf	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4/16/96	3	36922	CS
3304	TL207	HALFLIFE	s	CONSTANT	2.86E+02	2.86E+02	0.00E+00	2.86E+02	2.86E+02	4/16/96	3	36850	CS/NU
3460	U	CAPHUM	moles/liter	CONSTANT	1.10E-05	1.10E-05	0.00E+00	1.10E-05	1.10E-05	5/8/96	1	37725	NU
3308	U	CAPMIC	moles/liter	CONSTANT	2.10E-03	2.10E-03	0.00E+00	2.10E-03	2.10E-03	4/16/96	1	36855	NU

23B. Waste Chemistry

ID	Material	Parameter	Units	Distribution	Mean	Median	Deviation	Low	High	Entry Date	Impt	WPO	Codes
3307	U	CONCINT	moles/liter	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4/16/96	1	36854	NU
3438	U	CONCMIN	moles/liter	CONSTANT	2.60E-08	2.60E-08	0.00E+00	2.60E-08	2.60E-08	5/8/96	1	37698	NU
3309	U	PROPMIC	NONE	CONSTANT	2.10E-03	2.10E-03	0.00E+00	2.10E-03	2.10E-03	5/24/96	1	36856	NU
3446	U+4	MD0	m^2/s	CONSTANT	1.53E-10	1.53E-10	0.00E+00	1.53E-10	1.53E-10	5/17/96	1	37711	NU/TP
3479	U+4	MKD_U	m^3/kg	UNIFORM	1.00E+01	1.00E+01	5.50E+00	9.00E-01	2.00E+01	6/12/96	1	38350	TP/NU
3448	U+6	MD0	m^2/s	CONSTANT	4.26E-10	4.26E-10	0.00E+00	4.26E-10	4.26E-10	5/17/96	1	37714	TP/NU
3475	U+6	MKD_U	m^3/kg	UNIFORM	1.50E-02	1.50E-02	8.70E-03	3.00E-05	3.00E-02	6/12/96	1	38346	NU/TP
632	U233	ATWEIGHT	kg/mole	CONSTANT	2.33E-01	2.33E-01	0.00E+00	2.33E-01	2.33E-01	11/2/95	3	32459	FL/CS/ NU/TP
3384	U233	EPAREL	Ci/wuf	CONSTANT	1.00E+02	1.00E+02	0.00E+00	1.00E+02	1.00E+02	4/16/96	3	36946	CS
633	U233	HALFLIFE	s	CONSTANT	5.00E+12	5.00E+12	0.00E+00	5.00E+12	5.00E+12	4/16/96	3	34662	NU/CS
634	U233	INVCHD	Ci	CONSTANT	1.79E+03	1.79E+03	0.00E+00	1.79E+03	1.79E+03	10/29/96	2	34663A	PN/CS/ NU
635	U233	INVRHD	Ci	CONSTANT	1.58E+02	1.58E+02	0.00E+00	1.58E+02	1.58E+02	10/29/96	2	34664A	NU/PN/ CS
636	U234	ATWEIGHT	kg/mole	CONSTANT	2.34E-01	2.34E-01	0.00E+00	2.34E-01	2.34E-01	11/2/95	3	32460	FL/CS/ TP/NU
3385	U234	EPAREL	Ci/wuf	CONSTANT	1.00E+02	1.00E+02	0.00E+00	1.00E+02	1.00E+02	4/16/96	3	36947	CS
637	U234	HALFLIFE	s	CONSTANT	7.72E+12	7.72E+12	0.00E+00	7.72E+12	7.72E+12	4/16/96	3	34667	CS/NU
638	U234	INVCHD	Ci	CONSTANT	7.08E+02	7.08E+02	0.00E+00	7.08E+02	7.08E+02	10/29/96	2	34668A	NU/PN/ CS
639	U234	INVRHD	Ci	CONSTANT	4.29E+01	4.29E+01	0.00E+00	4.29E+01	4.29E+01	10/29/96	2	34669A	NU/PN/ CS
640	U235	ATWEIGHT	kg/mole	CONSTANT	2.35E-01	2.35E-01	0.00E+00	2.35E-01	2.35E-01	11/2/95	3	32461	FL/TP/ NU/CS
3386	U235	EPAREL	Ci/wuf	CONSTANT	1.00E+02	1.00E+02	0.00E+00	1.00E+02	1.00E+02	4/16/96	3	36948	CS
641	U235	HALFLIFE	s	CONSTANT	2.22E+16	2.22E+16	0.00E+00	2.22E+16	2.22E+16	4/16/96	3	34671	CS/NU
642	U235	INVCHD	Ci	CONSTANT	1.28E+01	1.28E+01	0.00E+00	1.28E+01	1.28E+01	10/29/96	2	34672A	CS/PN/ NU
643	U235	INVRHD	Ci	CONSTANT	4.63E+00	4.63E+00	0.00E+00	4.63E+00	4.63E+00	10/29/96	2	34674A	NU/PN/ CS
644	U236	ATWEIGHT	kg/mole	CONSTANT	2.36E-01	2.36E-01	0.00E+00	2.36E-01	2.36E-01	11/2/95	3	32462	CS/FL/ TP/NU
3387	U236	EPAREL	Ci/wuf	CONSTANT	1.00E+02	1.00E+02	0.00E+00	1.00E+02	1.00E+02	4/16/96	3	36949	CS
645	U236	HALFLIFE	s	CONSTANT	7.39E+14	7.39E+14	0.00E+00	7.39E+14		4/16/96	3	34676	NU/CS
2216	U236	INVCHD	Ci	CONSTANT	5.69E-01	5.69E-01	0.00E+00	5.69E-01	5.69E-01	10/29/96	2	34677A	NU/CS/ PN
646	U236	INVRHD	Ci	CONSTANT	1.03E-01	1.03E-01	0.00E+00	1.03E-01	1.03E-01	10/29/96	2	34678A	NU/PN/ CS
647	U238	ATWEIGHT	kg/mole	CONSTANT	2.38E-01	2.38E-01	0.00E+00	2.38E-01	2.38E-01	11/2/95	3	32463	FL/CS/ TP/NU
3388	U238	EPAREL	Ci/wuf	CONSTANT	1.00E+02	1.00E+02	0.00E+00	1.00E+02	1.00E+02	4/16/96	3	36950	CS
648	U238	HALFLIFE	s	CONSTANT	1.41E+17	1.41E+17	0.00E+00	1.41E+17	1.41E+17	4/16/96	3	34680	CS/NU
649	U238	INVCHD	Ci	CONSTANT	3.96E+01	3.96E+01	0.00E+00	3.96E+01	3.96E+01	10/29/96	2	34681A	NU/PN/ CS
650	U238	INVRHD	Ci	CONSTANT	1.05E+01	1.05E+01	0.00E+00	1.05E+01	1.05E+01	10/29/96	2	34682A	PN/NU/ CS
3198	Y90	ATWEIGHT	kg/mole	CONSTANT	8.99E-02	8.99E-02	0.00E+00	8.99E-02	8.99E-02	4/10/96	3	36703	CS/NU
3361	Y90	EPAREL	Ci/wuf	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4/16/96	3	36923	CS
3305	Y90	HALFLIFE	s	CONSTANT	2.30E+05	2.30E+05	0.00E+00	2.30E+05	2.30E+05	4/16/96	3	36851	CS/NU
3199	ZR90	ATWEIGHT	kg/mole	CONSTANT	8.99E-02	8.99E-02	0.00E+00	8.99E-02	8.99E-02	4/10/96	3	36704	NU/CS
3362	ZR90	EPAREL	Ci/wuf	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4/16/96	3	36924	CS
3306	ZR90	HALFLIFE	s	CONSTANT	1.00E+38	1.00E+38	0.00E+00	1.00E+38	1.00E+38	4/16/96	3	36852	CS/NU
228	H2	VISCO	Pa*s	CONSTANT	8.93E-06	8.93E-06	0.00E+00	8.93E-06	8.93E-06	3/14/96	3	32334A	BF

24A. Rest of Repository

ID	Material	Parameter	Units	Distribution	Mean	Median	Deviation	Low	High	Entry Date	Impt	WPO	Codes
2117	REPOSIT	DIRONCHW	kg/m ³	CONSTANT	1.70E+02	1.70E+02	0.00E+00	1.70E+02	1.70E+02	2/13/96	2	32442	BF
2110	REPOSIT	CAP_MOD	NONE	CONSTANT	1.00E+00	1.00E+00	0.00E+00	1.00E+00	1.00E+00	2/8/96	4B	33285	BF
2123	REPOSIT	DRUBBRHW	kg/m ³	CONSTANT	3.30E+00	3.30E+00	0.00E+00	3.30E+00	3.30E+00	2/13/96	2	32451	BF
2122	REPOSIT	DRUBBCHW	kg/m ³	CONSTANT	1.00E+01	1.00E+01	0.00E+00	1.00E+01	1.00E+01	2/13/96	2	32450	BF
2995	REPOSIT	DPLSCRHW	kg/m ³	CONSTANT	3.10E+00	3.10E+00	0.00E+00	3.10E+00	3.10E+00	2/13/96	2	32449	BF
2121	REPOSIT	DPLSCCHW	kg/m ³	CONSTANT	2.60E+01	2.60E+01	0.00E+00	2.60E+01	2.60E+01	2/13/96	2	32447	BF
2120	REPOSIT	DPLASRHW	kg/m ³	CONSTANT	1.50E+01	1.50E+01	0.00E+00	1.50E+01	1.50E+01	2/13/96	2	32446	BF
2128	REPOSIT	GRATMICI	mol/kg*s	UNIFORM	4.91E-09	4.91E-09	2.65E-09	3.17E-10	9.51E-09	2/8/96	1B	33235	BF
2118	REPOSIT	DIRONRHW	kg/m ³	CONSTANT	1.00E+02	1.00E+02	0.00E+00	1.00E+02	1.00E+02	2/13/96	2	32443	BF
2736	REPOSIT	KPT	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2/20/96	4B	33238	BF
2116	REPOSIT	DIRNCRHW	kg/m ³	CONSTANT	2.59E+03	2.59E+03	0.00E+00	2.59E+03	2.59E+03	2/13/96	2	32440	BF
2115	REPOSIT	DIRNCCHW	kg/m ³	CONSTANT	1.39E+02	1.39E+02	0.00E+00	1.39E+02	1.39E+02	2/13/96	2	32439	BF
2114	REPOSIT	DCELLRHW	kg/m ³	CONSTANT	1.70E+01	1.70E+01	0.00E+00	1.70E+01	1.70E+01	2/13/96	2	32436	BF
2113	REPOSIT	DCELLCHW	kg/m ³	CONSTANT	5.40E+01	5.40E+01	0.00E+00	5.40E+01	5.40E+01	2/13/96	2	33298	BF
2112	REPOSIT	COMP_RCK	Pa ⁻¹	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2/8/96	4B	33290	BF
3455	REPOSIT	CLOSMOD	NONE	CONSTANT	4.00E+00	4.00E+00	0.00E+00	4.00E+00	4.00E+00	6/4/96	4B	38207	BF
2119	REPOSIT	DPLASCHW	kg/m ³	CONSTANT	3.40E+01	3.40E+01	0.00E+00	3.40E+01	3.40E+01	2/13/96	2	32444	BF
2131	REPOSIT	PRMX_LOG	log(m ²)	CONSTANT	-1.28E+01	-1.28E+01	0.00E+00	-1.28E+01	-1.28E+01	2/8/96	4A	33255	BF
2141	REPOSIT	VOLCHW	m ³	CONSTANT	1.69E+05	1.69E+05	0.00E+00	1.69E+05	1.69E+05	2/13/96	2	32452	BF
2137	REPOSIT	SAT_RGAS	NONE	UNIFORM	7.50E-02	7.50E-02	4.33E-02	0.00E+00	1.50E-01	2/22/96	4B	33286	BF
2741	REPOSIT	SAT_RBRN	NONE	UNIFORM	2.76E-01	2.76E-01	1.59E-01	0.00E+00	5.52E-01	2/20/96	4B	33283	BF
2740	REPOSIT	SAT_IBRN	NONE	CONSTANT	1.50E-02	1.50E-02	0.00E+00	1.50E-02	1.50E-02	2/11/96	4B	33277	BF
2135	REPOSIT	RELP_MOD	NONE	CONSTANT	4.00E+00	4.00E+00	0.00E+00	4.00E+00	4.00E+00	2/8/96	4B	33275	BF
2824	REPOSIT	PROBDEG	NONE	DELTA	2.00E+00	2.00E+00	0.00E+00	0.00E+00	2.00E+00	2/23/96	4B	33264	BF
2127	REPOSIT	GRATMICH	mol/kg*s	UNIFORM	6.34E-10	6.34E-10	3.66E-10	0.00E+00	1.27E-09	2/8/96	1B	33234	BF
2132	REPOSIT	PRMY_LOG	log(m ²)	CONSTANT	-1.28E+01	-1.28E+01	0.00E+00	-1.28E+01	-1.28E+01	2/8/96	4A	33258	BF
2142	REPOSIT	VOLRHW	m ³	CONSTANT	7.08E+03	7.08E+03	0.00E+00	7.08E+03	7.08E+03	2/13/96	2	32453	BF
2130	REPOSIT	POROSITY	NONE	CONSTANT	8.48E-01	8.48E-01	0.00E+00	8.48E-01	8.48E-01	2/8/96	4B	33250	BF
2129	REPOSIT	PORE_DIS	NONE	CUMULATIVE	3.25E+00	2.89E+00	1.27E+00	1.44E+00	5.78E+00	2/21/96	4B	33248	BF
2739	REPOSIT	PO_MIN	Pa	CONSTANT	1.01E+05	1.01E+05	0.00E+00	1.01E+05	1.01E+05	2/21/96	4B	33252	BF
2738	REPOSIT	PCT_EXP	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2/8/96	4B	33242	BF
2737	REPOSIT	PCT_A	Pa	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2/8/96	4B	33240	BF
2242	REPOSIT	PC_MAX	Pa	CONSTANT	1.00E+08	1.00E+08	0.00E+00	1.00E+08	1.00E+08	11/1/95	4B	33246	BF
2133	REPOSIT	PRMZ_LOG	log(m ²)	CONSTANT	-1.28E+01	-1.28E+01	0.00E+00	-1.28E+01	-1.28E+01	2/8/96	4A	33259	BF

24B. Predisposal Cavities

ID	Material	Parameter	Units	Distribution	Mean	Median	Deviation	Low	High	Entry Date	Impt	WPO	Codes
84	CAVITY_1	PRMY_LOG	log(m^2)	CONSTANT	-1.00E+01	-1.00E+01	0.00E+00	-1.00E+01	-1.00E+01	2/20/96	4B	31681	BF
76	CAVITY_1	CAP_MOD	NONE	CONSTANT	1.00E+00	1.00E+00	0.00E+00	1.00E+00	1.00E+00	11/2/95	4B	31626	BF
89	CAVITY_1	SAT_RBRN	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2/17/96	4B	31687	BF
3099	CAVITY_1	SAT_IBRN	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2/17/96	4B	31686	BF
85	CAVITY_1	PRMZ_LOG	log(m^2)	CONSTANT	-1.00E+01	-1.00E+01	0.00E+00	-1.00E+01	-1.00E+01	2/20/96	4B	31682	BF
90	CAVITY_1	SAT_RGAS	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2/17/96	4B	31688	BF
83	CAVITY_1	PRMX_LOG	log(m^2)	CONSTANT	-1.00E+01	-1.00E+01	0.00E+00	-1.00E+01	-1.00E+01	2/20/96	4B	31680	BF
82	CAVITY_1	PRESSURE	Pa	CONSTANT	1.01E+05	1.01E+05	0.00E+00	1.01E+05	1.01E+05	11/2/95	4B	31679	BF
2612	CAVITY_1	KPT	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2/17/96	4B	31650	BF
88	CAVITY_1	RELP_MOD	NONE	CONSTANT	4.00E+00	4.00E+00	0.00E+00	4.00E+00	4.00E+00	11/2/95	4B	31685	BF
77	CAVITY_1	COMP_RCK	Pa^-1	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	11/2/95	4B	31628	BF
80	CAVITY_1	POROSITY	NONE	CONSTANT	1.00E+00	1.00E+00	0.00E+00	1.00E+00	1.00E+00	11/2/95	4B	31677	BF
78	CAVITY_1	PC_MAX	Pa	CONSTANT	1.00E+08	1.00E+08	0.00E+00	1.00E+08	1.00E+08	11/2/95	4B	31673	BF
2613	CAVITY_1	PCT_A	Pa	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2/17/96	4B	31670	BF
2614	CAVITY_1	PCT_EXP	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2/17/96	4B	31672	BF
81	CAVITY_1	PO_MIN	Pa	CONSTANT	1.01E+05	1.01E+05	0.00E+00	1.01E+05	1.01E+05	2/21/96	4B	31678	BF
79	CAVITY_1	PORE_DIS	NONE	CONSTANT	7.00E-01	7.00E-01	0.00E+00	7.00E-01	7.00E-01	11/2/95	4B	31675	BF
95	CAVITY_2	POROSITY	NONE	CONSTANT	1.00E+00	1.00E+00	0.00E+00	1.00E+00	1.00E+00	11/2/95	4B	31747	BF
103	CAVITY_2	RELP_MOD	NONE	CONSTANT	4.00E+00	4.00E+00	0.00E+00	4.00E+00	4.00E+00	11/2/95	4B	31759	BF
100	CAVITY_2	PRMZ_LOG	log(m^2)	CONSTANT	-1.00E+01	-1.00E+01	0.00E+00	-1.00E+01	-1.00E+01	2/17/96	4B	31754	BF
99	CAVITY_2	PRMY_LOG	log(m^2)	CONSTANT	-1.00E+01	-1.00E+01	0.00E+00	-1.00E+01	-1.00E+01	2/17/96	4B	31752	BF
98	CAVITY_2	PRMX_LOG	log(m^2)	CONSTANT	-1.00E+01	-1.00E+01	0.00E+00	-1.00E+01	-1.00E+01	2/17/96	4B	31751	BF
97	CAVITY_2	PRESSURE	Pa	CONSTANT	1.01E+05	1.01E+05	0.00E+00	1.01E+05	1.01E+05	11/2/95	4B	31750	BF
3100	CAVITY_2	SAT_IBRN	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2/17/96	4B	31760	BF
94	CAVITY_2	PORE_DIS	NONE	CONSTANT	7.00E-01	7.00E-01	0.00E+00	7.00E-01	7.00E-01	11/2/95	4B	31746	BF
96	CAVITY_2	PO_MIN	Pa	CONSTANT	1.01E+05	1.01E+05	0.00E+00	1.01E+05	1.01E+05	11/2/95	4B	31749	BF
2618	CAVITY_2	PCT_EXP	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	11/14/95	4B	31741	BF
2617	CAVITY_2	PCT_A	Pa	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	11/14/95	4B	31740	BF
93	CAVITY_2	PC_MAX	Pa	CONSTANT	1.00E+08	1.00E+08	0.00E+00	1.00E+08	1.00E+08	11/2/95	4B	31743	BF
2616	CAVITY_2	KPT	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	11/14/95	4B	31716	BF
104	CAVITY_2	SAT_RBRN	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2/17/96	4B	31761	BF
91	CAVITY_2	CAP_MOD	NONE	CONSTANT	1.00E+00	1.00E+00	0.00E+00	1.00E+00	1.00E+00	11/2/95	4B	31692	BF
105	CAVITY_2	SAT_RGAS	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2/17/96	4B	31763	BF
92	CAVITY_2	COMP_RCK	Pa^-1	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	11/2/95	4B	31694	BF
2055	CAVITY_3	PRMY_LOG	log(m^2)	CONSTANT	-1.00E+01	-1.00E+01	0.00E+00	-1.00E+01	-1.00E+01	2/20/96	4B	31782	BF
2049	CAVITY_3	CAP_MOD	NONE	CONSTANT	1.00E+00	1.00E+00	0.00E+00	1.00E+00	1.00E+00	2/17/96	4B	31767	BF
2235	CAVITY_3	SAT_RBRN	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2/17/96	4B	31788	BF
3102	CAVITY_3	SAT_IBRN	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2/17/96	4B	31786	BF
2056	CAVITY_3	PRMZ_LOG	log(m^2)	CONSTANT	-1.00E+01	-1.00E+01	0.00E+00	-1.00E+01	-1.00E+01	2/20/96	4B	31783	BF
2059	CAVITY_3	SAT_RGAS	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2/17/96	4B	31789	BF
2054	CAVITY_3	PRMX_LOG	log(m^2)	CONSTANT	-1.00E+01	-1.00E+01	0.00E+00	-1.00E+01	-1.00E+01	2/20/96	4B	31781	BF
3101	CAVITY_3	PRESSURE	Pa	CONSTANT	1.01E+05	1.01E+05	0.00E+00	1.01E+05	1.01E+05	2/17/96	4B	31780	BF
2620	CAVITY_3	KPT	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2/17/96	4B	31770	BF
2052	CAVITY_3	PORE_DIS	NONE	CONSTANT	7.00E-01	7.00E-01	0.00E+00	7.00E-01	7.00E-01	2/17/96	4B	31777	BF
2623	CAVITY_3	PO_MIN	Pa	CONSTANT	1.01E+05	1.01E+05	0.00E+00	1.01E+05	1.01E+05	2/17/96	4B	31779	BF
2622	CAVITY_3	PCT_EXP	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2/17/96	4B	31774	BF
2621	CAVITY_3	PCT_A	Pa	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2/17/96	4B	31773	BF
2234	CAVITY_3	PC_MAX	Pa	CONSTANT	1.00E+08	1.00E+08	0.00E+00	1.00E+08	1.00E+08	2/17/96	4B	31775	BF
2053	CAVITY_3	POROSITY	NONE	CONSTANT	1.00E+00	1.00E+00	0.00E+00	1.00E+00	1.00E+00	2/17/96	4B	31778	BF
2058	CAVITY_3	RELP_MOD	NONE	CONSTANT	4.00E+00	4.00E+00	0.00E+00	4.00E+00	4.00E+00	2/17/96	4B	31785	BF
2051	CAVITY_3	COMP_RCK	Pa^-1	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2/17/96	4B	31769	BF

24B. Predisposal Cavities

ID	Material	Parameter	Units	Distribution	Mean	Median	Deviation	Low	High	Entry Date	Impt	WPO	Codes
3103	CAVITY_4	PRESSURE	Pa	CONSTANT	1.01E+05	1.01E+05	0.00E+00	1.01E+05	1.01E+05	2/17/96	4B	31815	BF
2065	CAVITY_4	PRMX_LOG	log(m^2)	CONSTANT	-1.00E+01	-1.00E+01	0.00E+00	-1.00E+01	-1.00E+01	2/20/96	4B	31817	BF
2066	CAVITY_4	PRMY_LOG	log(m^2)	CONSTANT	-1.00E+01	-1.00E+01	0.00E+00	-1.00E+01	-1.00E+01	2/20/96	4B	31818	BF
2067	CAVITY_4	PRMZ_LOG	log(m^2)	CONSTANT	-1.00E+01	-1.00E+01	0.00E+00	-1.00E+01	-1.00E+01	2/20/96	4B	31819	BF
2069	CAVITY_4	RELP_MOD	NONE	CONSTANT	4.00E+00	4.00E+00	0.00E+00	4.00E+00	4.00E+00	2/17/96	4B	31821	BF
2237	CAVITY_4	SAT_RBRN	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2/17/96	4B	31823	BF
2064	CAVITY_4	POROSITY	NONE	CONSTANT	1.00E+00	1.00E+00	0.00E+00	1.00E+00	1.00E+00	2/17/96	4B	31802	BF
3104	CAVITY_4	SAT_IBRN	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2/17/96	4B	31822	BF
2063	CAVITY_4	PORE_DIS	NONE	CONSTANT	7.00E-01	7.00E-01	0.00E+00	7.00E-01	7.00E-01	2/17/96	4B	31801	BF
2628	CAVITY_4	PO_MIN	Pa	CONSTANT	1.01E+05	1.01E+05	0.00E+00	1.01E+05	1.01E+05	2/17/96	4B	31803	BF
2627	CAVITY_4	PCT_EXP	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2/17/96	4B	31798	BF
2626	CAVITY_4	PCT_A	Pa	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2/17/96	4B	31797	BF
2236	CAVITY_4	PC_MAX	Pa	CONSTANT	1.00E+08	1.00E+08	0.00E+00	1.00E+08	1.00E+08	2/17/96	4B	31800	BF
2625	CAVITY_4	KPT	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2/17/96	4B	31796	BF
2060	CAVITY_4	CAP_MOD	NONE	CONSTANT	1.00E+00	1.00E+00	0.00E+00	1.00E+00	1.00E+00	2/17/96	4B	31791	BF
2070	CAVITY_4	SAT_RGAS	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2/17/96	4B	31824	BF
2062	CAVITY_4	COMP_RCK	Pa^-1	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2/17/96	4B	31794	BF

25. Panel Closure

ID	Material	Parameter	Units	Distribution	Mean	Median	Deviation	Low	High	Entry Date	Impt	WPO	Codes
258	PAN_SEAL	PRESSURE	Pa	CONSTANT	1.01E+05	1.01E+05	0.00E+00	1.01E+05	1.01E+05	2/6/96	4B	33118	BF
253	PAN_SEAL	COMP_RCK	Pa ⁻¹	CONSTANT	2.64E-09	2.64E-09	0.00E+00	2.64E-09	2.64E-09	2/20/96	4B	32935	BF
2731	PAN_SEAL	KPT	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2/20/96	4B	33089	BF
254	PAN_SEAL	PC_MAX	Pa	CONSTANT	1.00E+08	1.00E+08	0.00E+00	1.00E+08	1.00E+08	11/2/95	4B	33109	BF
2732	PAN_SEAL	PCT_A	Pa	CONSTANT	5.60E-01	5.60E-01	0.00E+00	5.60E-01	5.60E-01	2/20/96	4B	33107A	BF
2733	PAN_SEAL	PCT_EXP	NONE	CONSTANT	-3.46E-01	-3.46E-01	0.00E+00	-3.46E-01	-3.46E-01	2/20/96	4B	33108	BF
257	PAN_SEAL	PO_MIN	Pa	CONSTANT	1.01E+05	1.01E+05	0.00E+00	1.01E+05	1.01E+05	2/21/96	4B	33115	BF
252	PAN_SEAL	CAP_MOD	NONE	CONSTANT	2.00E+00	2.00E+00	0.00E+00	2.00E+00	2.00E+00	2/20/96	4B	32933	BF
256	PAN_SEAL	POROSITY	NONE	CONSTANT	7.50E-02	7.50E-02	0.00E+00	7.50E-02	7.50E-02	11/2/95	4B	33113	BF
266	PAN_SEAL	SAT_RGAS	NONE	CONSTANT	2.00E-01	2.00E-01	0.00E+00	2.00E-01	2.00E-01	11/2/95	4B	33141	BF
259	PAN_SEAL	PRMX_LOG	log(m ²)	CONSTANT	-1.50E+01	-1.50E+01	0.00E+00	-1.50E+01	-1.50E+01	2/20/96	4B	33120	BF
260	PAN_SEAL	PRMY_LOG	log(m ²)	CONSTANT	-1.50E+01	-1.50E+01	0.00E+00	-1.50E+01	-1.50E+01	2/20/96	4B	33122	BF
261	PAN_SEAL	PRMZ_LOG	log(m ²)	CONSTANT	-1.50E+01	-1.50E+01	0.00E+00	-1.50E+01	-1.50E+01	2/20/96	4B	33123	BF
264	PAN_SEAL	RELP_MOD	NONE	CONSTANT	4.00E+00	4.00E+00	0.00E+00	4.00E+00	4.00E+00	11/2/95	4B	33131	BF
2734	PAN_SEAL	SAT_IBRN	NONE	CONSTANT	1.00E+00	1.00E+00	0.00E+00	1.00E+00	1.00E+00	2/28/96	4B	33134A	BF
265	PAN_SEAL	SAT_RBRN	NONE	CONSTANT	2.00E-01	2.00E-01	0.00E+00	2.00E-01	2.00E-01	11/2/95	4B	33139	BF
255	PAN_SEAL	PORE_DIS	NONE	CONSTANT	9.40E-01	9.40E-01	0.00E+00	9.40E-01	9.40E-01	2/20/96	4B	33112	BF

26. Operations Region

ID	Material	Parameter	Units	Distribution	Mean	Median	Deviation	Low	High	Entry Date	Impt	WPO	Codes
13	OPS_AREA	PRESSURE	Pa	CONSTANT	1.01E+05	1.01E+05	0.00E+00	1.01E+05	1.01E+05	2/16/96	4B	32629	BF
8	OPS_AREA	COMP_RCK	Pa ⁻¹	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2/16/96	4B	32606	BF
2604	OPS_AREA	KPT	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2/16/96	4B	32614	BF
9	OPS_AREA	PC_MAX	Pa	CONSTANT	1.00E+08	1.00E+08	0.00E+00	1.00E+08	1.00E+08	2/16/96	4B	32619	BF
2605	OPS_AREA	PCT_A	Pa	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2/16/96	4B	32616A	BF
2606	OPS_AREA	PCT_EXP	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2/16/96	4B	32618	BF
12	OPS_AREA	PO_MIN	Pa	CONSTANT	1.01E+05	1.01E+05	0.00E+00	1.01E+05	1.01E+05	2/16/96	4B	31474	BF
7	OPS_AREA	CAP_MOD	NONE	CONSTANT	1.00E+00	1.00E+00	0.00E+00	1.00E+00	1.00E+00	2/16/96	4B	32604	BF
11	OPS_AREA	POROSITY	NONE	CONSTANT	1.80E-01	1.80E-01	0.00E+00	1.80E-01	1.80E-01	2/16/96	4B	32626	BF
22	OPS_AREA	SAT_RGAS	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2/16/96	4B	32641	BF
14	OPS_AREA	PRMX_LOG	log(m ²)	CONSTANT	-1.10E+01	-1.10E+01	0.00E+00	-1.10E+01	-1.10E+01	2/16/96	4B	32630	BF
15	OPS_AREA	PRMY_LOG	log(m ²)	CONSTANT	-1.10E+01	-1.10E+01	0.00E+00	-1.10E+01	-1.10E+01	2/16/96	4B	32632	BF
16	OPS_AREA	PRMZ_LOG	log(m ²)	CONSTANT	-1.10E+01	-1.10E+01	0.00E+00	-1.10E+01	-1.10E+01	2/16/96	4B	32633	BF
19	OPS_AREA	RELP_MOD	NONE	CONSTANT	4.00E+00	4.00E+00	0.00E+00	4.00E+00	4.00E+00	2/16/96	4B	32634	BF
20	OPS_AREA	SAT_IBRN	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2/16/96	4B	32637	BF
21	OPS_AREA	SAT_RBRN	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2/16/96	4B	32639	BF
10	OPS_AREA	PORE_DIS	NONE	CONSTANT	7.00E-01	7.00E-01	0.00E+00	7.00E-01	7.00E-01	2/16/96	4B	32624	BF

27. Experimental Area

ID	Material	Parameter	Units	Distribution	Mean	Median	Deviation	Low	High	Entry Date	Impt	WPO	Codes
213	EXP_AREA	PRESSURE	Pa	CONSTANT	1.01E+05	1.01E+05	0.00E+00	1.01E+05	1.01E+05	11/2/95	4B	32948	BF
208	EXP_AREA	COMP_RCK	Pa ⁻¹	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	11/2/95	4B	32972	BF
2711	EXP_AREA	KPT	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2/16/96	4B	33009	BF
209	EXP_AREA	PC_MAX	Pa	CONSTANT	1.00E+08	1.00E+08	0.00E+00	1.00E+08	1.00E+08	11/2/95	4B	33040	BF
2712	EXP_AREA	PCT_A	Pa	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	11/14/95	4B	33037	BF
2713	EXP_AREA	PCT_EXP	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	11/14/95	4B	33039	BF
212	EXP_AREA	PO_MIN	Pa	CONSTANT	1.01E+05	1.01E+05	0.00E+00	1.01E+05	1.01E+05	2/21/96	4B	32946	BF
207	EXP_AREA	CAP_MOD	NONE	CONSTANT	1.00E+00	1.00E+00	0.00E+00	1.00E+00	1.00E+00	2/17/96	4B	32969	BF
211	EXP_AREA	POROSITY	NONE	CONSTANT	1.80E-01	1.80E-01	0.00E+00	1.80E-01	1.80E-01	2/17/96	4B	32945	BF
222	EXP_AREA	SAT_RGAS	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2/17/96	4B	32968	BF
214	EXP_AREA	PRMX_LOG	log(m ²)	CONSTANT	-1.10E+01	-1.10E+01	0.00E+00	-1.10E+01	-1.10E+01	2/17/96	4B	32951	BF
215	EXP_AREA	PRMY_LOG	log(m ²)	CONSTANT	-1.10E+01	-1.10E+01	0.00E+00	-1.10E+01	-1.10E+01	2/17/96	4B	32953	BF
216	EXP_AREA	PRMZ_LOG	log(m ²)	CONSTANT	-1.10E+01	-1.10E+01	0.00E+00	-1.10E+01	-1.10E+01	2/17/96	4B	32955	BF
219	EXP_AREA	RELP_MOD	NONE	CONSTANT	4.00E+00	4.00E+00	0.00E+00	4.00E+00	4.00E+00	11/2/95	4B	32962	BF
220	EXP_AREA	SAT_IBRN	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2/17/96	4B	32965	BF
221	EXP_AREA	SAT_RBRN	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2/17/96	4B	32967	BF
210	EXP_AREA	PORE_DIS	NONE	CONSTANT	7.00E-01	7.00E-01	0.00E+00	7.00E-01	7.00E-01	11/2/95	4B	33045	BF

28. Marker Bed 139

ID	Material	Parameter	Units	Distribution	Mean	Median	Deviation	Low	High	Entry Date	Impt	WPO	Codes
2180	S_MB139	PF_DELTA	Pa	CONSTANT	3.80E+06	3.80E+06	0.00E+00	3.80E+06	3.80E+06	2/22/96	4B	34850	BF
579	S_MB139	CAP_MOD	NONE	CONSTANT	2.00E+00	2.00E+00	0.00E+00	2.00E+00	2.00E+00	2/11/96	1	34559	BF
580	S_MB139	COMP_RCK	Pa ⁻¹	STUDENT	8.26E-11	8.26E-11	1.11E-10	1.09E-11	2.75E-10	2/14/96	1	34574	BF
1784	S_MB139	DNSGRAIN	kg/m ³	CONSTANT	2.75E+03	2.75E+03	0.00E+00	2.75E+03	2.75E+03	2/1/96	1	34579	BF/NU
2177	S_MB139	DPHIMAX	NONE	CONSTANT	3.90E-02	3.90E-02	0.00E+00	3.90E-02	3.90E-02	2/22/96	4B	34582	BF
2903	S_MB139	EXPCLINK	NONE	CONSTANT	-3.41E-01	-3.41E-01	0.00E+00	-3.41E-01	-3.41E-01	4/23/96	1	34799A	BF
2811	S_MB139	IFRX	NONE	CONSTANT	1.00E+00	1.00E+00	0.00E+00	1.00E+00	1.00E+00	1/30/96	4B	34818	BF
2814	S_MB139	IFRY	NONE	CONSTANT	1.00E+00	1.00E+00	0.00E+00	1.00E+00	1.00E+00	1/30/96	4B	34819	BF
2817	S_MB139	IFRZ	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1/31/96	4B	34820	BF
2178	S_MB139	KMAXLOG	log(m ²)	CONSTANT	-9.00E+00	-9.00E+00	0.00E+00	-9.00E+00	-9.00E+00	2/22/96	4B	34823	BF
2788	S_MB139	KPT	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2/20/96	4B	34825	BF
582	S_MB139	PC_MAX	Pa	CONSTANT	1.00E+08	1.00E+08	0.00E+00	1.00E+08	1.00E+08	2/1/96	1	34848	BF
2905	S_MB139	BKLINK	Pa	CONSTANT	2.71E-01	2.71E-01	0.00E+00	2.71E-01	2.71E-01	4/23/96	-1	34557A	BF
2790	S_MB139	PCT_EXP	NONE	CONSTANT	-3.48E-01	-3.48E-01	0.00E+00	-3.48E-01	-3.48E-01	2/8/96	1	34844	BF
599	S_MB139	SAT_RGAS	NONE	STUDENT	7.71E-02	7.71E-02	6.41E-02	1.40E-02	1.97E-01	2/22/96	1	34508	BF
586	S_MB139	PI_DELTA	Pa	CONSTANT	2.00E+05	2.00E+05	0.00E+00	2.00E+05	2.00E+05	2/22/96	4B	34856	BF
589	S_MB139	PO_MIN	Pa	CONSTANT	1.01E+05	1.01E+05	0.00E+00	1.01E+05	1.01E+05	2/21/96	4B	34862	BF
587	S_MB139	PORE_DIS	NONE	STUDENT	6.44E-01	6.44E-01	1.09E-01	4.91E-01	8.42E-01	2/22/96	1	34859	BF
588	S_MB139	POROSITY	NONE	STUDENT	1.10E-02	1.10E-02	3.04E-03	9.00E-03	1.70E-02	2/27/96	1	34860	BF
590	S_MB139	PRESSURE	Pa	STUDENT	1.16E+07	1.16E+07	1.27E+06	9.38E+06	1.29E+07	9/17/96	1	34863	BF
591	S_MB139	PRMX_LOG	log(m ²)	STUDENT	-1.89E+01	-1.89E+01	1.20E+00	-2.10E+01	-1.71E+01	2/1/96	1	34865	BF
592	S_MB139	PRMY_LOG	log(m ²)	STUDENT	-1.89E+01	-1.89E+01	1.20E+00	-2.10E+01	-1.71E+01	2/1/96	1	34866	BF
593	S_MB139	PRMZ_LOG	log(m ²)	STUDENT	-1.89E+01	-1.89E+01	1.20E+00	-2.10E+01	-1.71E+01	2/1/96	1	34868	BF
596	S_MB139	RELP_MOD	NONE	DELTA	4.00E+00	4.00E+00	0.00E+00	1.00E+00	4.00E+00	2/8/96	1	34500	BF
597	S_MB139	SAT_IBRN	NONE	CONSTANT	1.00E+00	1.00E+00	0.00E+00	1.00E+00	1.00E+00	2/11/96	1	34503	BF
598	S_MB139	SAT_RBRN	NONE	STUDENT	8.36E-02	8.36E-02	5.01E-02	7.78E-03	1.74E-01	11/21/96	1	34506	BF
2789	S_MB139	PCT_A	Pa	CONSTANT	2.60E-01	2.60E-01	0.00E+00	2.60E-01	2.60E-01	2/22/96	1	34843	BF

29. Castile Formation

ID	Material	Parameter	Units	Distribution	Mean	Median	Deviation	Low	High	Entry Date	Impt	WPO	Codes
244	IMPERM_Z	SAT_RGAS	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	11/2/95	4B	33230	BF
243	IMPERM_Z	SAT_RBRN	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	11/2/95	4B	33226	BF
241	IMPERM_Z	REL_P_MOD	NONE	CONSTANT	4.00E+00	4.00E+00	0.00E+00	4.00E+00	4.00E+00	11/2/95	4B	33222	BF
238	IMPERM_Z	PRMZ_LOG	log(m^2)	CONSTANT	-3.50E+01	-3.50E+01	0.00E+00	-3.50E+01	-3.50E+01	2/22/96	4B	33214	BF
237	IMPERM_Z	PRMY_LOG	log(m^2)	CONSTANT	-3.50E+01	-3.50E+01	0.00E+00	-3.50E+01	-3.50E+01	2/22/96	4B	33209	BF
236	IMPERM_Z	PRMX_LOG	log(m^2)	CONSTANT	-3.50E+01	-3.50E+01	0.00E+00	-3.50E+01	-3.50E+01	2/22/96	4B	33205	BF
233	IMPERM_Z	POROSITY	NONE	CONSTANT	5.00E-03	5.00E-03	0.00E+00	5.00E-03	5.00E-03	11/2/95	4B	33188	BF
232	IMPERM_Z	PORE_DIS	NONE	CONSTANT	7.00E-01	7.00E-01	0.00E+00	7.00E-01	7.00E-01	2/27/96	4B	33185	BF
234	IMPERM_Z	PO_MIN	Pa	CONSTANT	1.01E+05	1.01E+05	0.00E+00	1.01E+05	1.01E+05	2/21/96	4B	33191	BF
2722	IMPERM_Z	PCT_EXP	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	11/14/95	4B	33174	BF
2721	IMPERM_Z	PCT_A	Pa	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	11/14/95	4B	33172	BF
231	IMPERM_Z	PC_MAX	Pa	CONSTANT	1.00E+08	1.00E+08	0.00E+00	1.00E+08	1.00E+08	11/2/95	4B	33177	BF
2720	IMPERM_Z	KPT	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2/20/96	4B	33119	BF
230	IMPERM_Z	COMP_RCK	Pa^-1	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	11/2/95	4B	33064	BF
229	IMPERM_Z	CAP_MOD	NONE	CONSTANT	1.00E+00	1.00E+00	0.00E+00	1.00E+00	1.00E+00	11/2/95	4B	33059	BF

30A. Castile Reservoir

ID	Material	Parameter	Units	Distribution	Mean	Median	Deviation	Low	High	Entry Date	Impt	WPO	Codes
64	CASTILER	POROSITY	NONE	STUDENT	8.70E-03	8.70E-03	5.70E-03	2.00E-03	1.60E-02	1/31/96	1	31610	BF
60	CASTILER	CAP_MOD	NONE	CONSTANT	2.00E+00	2.00E+00	0.00E+00	2.00E+00	2.00E+00	11/2/95	4B	31556	BF
61	CASTILER	COMP_RCK	log(Pa^-1)	TRIANGULAR	-9.80E+00	-1.00E+01	6.80E-01	-1.13E+01	-8.00E+00	4/11/96	1	31561	BF
3194	CASTILER	GRIDFLO	NONE	DELTA	1.60E+01	1.60E+01	0.00E+00	1.00E+00	3.20E+01	3/21/96	4B	36658A	GF/BF
2608	CASTILER	KPT	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2/20/96	4B	31583	BF
62	CASTILER	PC_MAX	Pa	CONSTANT	1.00E+08	1.00E+08	0.00E+00	1.00E+08	1.00E+08	11/2/95	4B	31607	BF
2609	CASTILER	PCT_A	Pa	CONSTANT	5.60E-01	5.60E-01	0.00E+00	5.60E-01	5.60E-01	11/14/95	4B	31605	BF
2610	CASTILER	PCT_EXP	NONE	CONSTANT	-3.46E-01	-3.46E-01	0.00E+00	-3.46E-01	-3.46E-01	11/14/95	4B	31606	BF
58	CASTILER	AREA_FRC	NONE	CUMULATIVE	4.00E-01	4.01E-01	6.30E-02	2.45E-01	5.68E-01	1/9/97	4B	31554*	BF
63	CASTILER	PORE_DIS	NONE	CONSTANT	7.00E-01	7.00E-01	0.00E+00	7.00E-01	7.00E-01	11/2/95	4B	31609	BF
2918	CASTILER	VOLUME	m^3	CONSTANT	4.00E+06	4.00E+06	0.00E+00	4.00E+06	4.00E+06	3/20/96	1	31625A	BF
66	CASTILER	PRESSURE	Pa	TRIANGULAR	1.36E+07	1.27E+07	1.25E+06	1.11E+07	1.70E+07	3/21/96	1	31612A	BF
67	CASTILER	PRMX_LOG	log(m^2)	TRIANGULAR	-1.21E+01	-1.18E+01	1.01E+00	-1.47E+01	-9.80E+00	2/12/96	1	31613	BF
68	CASTILER	PRMY_LOG	log(m^2)	TRIANGULAR	-1.21E+01	-1.18E+01	1.01E+00	-1.47E+01	-9.80E+00	2/12/96	1	31614	BF
69	CASTILER	PRMZ_LOG	log(m^2)	TRIANGULAR	-1.21E+01	-1.18E+01	1.01E+00	-1.47E+01	-9.80E+00	2/12/96	1	31615	BF
72	CASTILER	REL_P_MOD	NONE	CONSTANT	4.00E+00	4.00E+00	0.00E+00	4.00E+00	4.00E+00	11/2/95	4B	31619	BF
73	CASTILER	SAT_IBRN	NONE	CONSTANT	1.00E+00	1.00E+00	0.00E+00	1.00E+00	1.00E+00	11/2/95	4B	31620	BF
74	CASTILER	SAT_RBRN	NONE	CONSTANT	2.00E-01	2.00E-01	0.00E+00	2.00E-01	2.00E-01	11/2/95	4B	31621	BF
75	CASTILER	SAT_RGAS	NONE	CONSTANT	2.00E-01	2.00E-01	0.00E+00	2.00E-01	2.00E-01	11/2/95	4B	31622	BF
65	CASTILER	PO_MIN	Pa	CONSTANT	1.01E+05	1.01E+05	0.00E+00	1.01E+05	1.01E+05	2/21/96	4B	31611	BF

30B. Castile Brine

ID	Material	Parameter	Units	Distribution	Mean	Median	Deviation	Low	High	Entry Date	Impt	WPO	Codes
44	BRINECST	DNSFLUID	kg/m^3	CONSTANT	1.22E+03	1.22E+03	0.00E+00	1.22E+03	1.22E+03	1/30/97	5	31538*	BF
43	BRINECST	COMPRES	Pa^-1	CONSTANT	9.00E-10	9.00E-10	0.00E+00	9.00E-10	9.00E-10	1/30/97	5	31537*	BF

31. Global

ID	Material	Parameter	Units	Distribution	Mean	Median	Deviation	Low	High	Entry Date	Impt	WPO	Codes
225	GLOBAL	TRANSIDX	NONE	UNIFORM	5.00E-01	5.00E-01	2.89E-01	0.00E+00	1.00E+00	11/2/95	4B	33055	BF
3498	GLOBAL	TPICM	yr	CONSTANT	6.00E+02	6.00E+02	0.00E+00	6.00E+02	6.00E+02	6/27/96	4B	38737	GF
3499	GLOBAL	TPICD	yr	CONSTANT	6.00E+02	6.00E+02	0.00E+00	6.00E+02	6.00E+02	6/27/96	1	38738	GF
3491	GLOBAL	TA	yr	CONSTANT	1.00E+02	1.00E+02	0.00E+00	1.00E+02	1.00E+02	6/26/96	4B	38730	GF
3495	GLOBAL	PLGPAT	NONE	DELTA	0.00E+00	0.00E+00	0.00E+00	1.00E+00	3.00E+00	6/26/96	1	38734	GF
3493	GLOBAL	PBRINE	NONE	CONSTANT	8.00E-02	8.00E-02	0.00E+00	8.00E-02	8.00E-02	6/26/96	1	38732	GF
3417	GLOBAL	OXSTAT	NONE	UNIFORM	5.00E-01	5.00E-01	2.89E-01	0.00E+00	1.00E+00	5/1/96	1	37663	NU
3497	GLOBAL	MINERT	yr ⁻¹	CONSTANT	1.00E-04	1.00E-04	0.00E+00	1.00E-04	1.00E-04	6/27/96	1	38736	GF
3494	GLOBAL	LAMBDA	(km ² -2)yr ⁻¹	CONSTANT	4.68E-03	4.68E-03	0.00E+00	4.68E-03	4.68E-03	6/26/96	1	38733	GF
3500	GLOBAL	FPICM	NONE	CONSTANT	1.00E-02	1.00E-02	0.00E+00	1.00E-02	1.00E-02	6/27/96	4B	38742	GF
3501	GLOBAL	FPICD	NONE	CONSTANT	1.00E-02	1.00E-02	0.00E+00	1.00E-02	1.00E-02	6/27/96	4B	38743	GF
223	GLOBAL	CLIMTIDX	NONE	CUMULATIVE	1.31E+00	1.17E+00	3.48E-01	1.00E+00	2.25E+00	5/1/96	1	33031	FL

32. Reference Constants

ID	Material	Parameter	Units	Distribution	Mean	Median	Deviation	Low	High	Entry Date	Impt	WPO	Codes
2877	REFCON	MW_CACO3	kg/mole	CONSTANT	1.00E-01	1.00E-01	0.00E+00	1.00E-01	1.00E-01	12/4/96	5	32390*	TP/BF/ FL/NU/ CS
2883	REFCON	F3M3	m^3/ft^3	CONSTANT	2.83E-02	2.83E-02	0.00E+00	2.83E-02	2.83E-02	2/6/96	3	32384	TP/CS/ FL/NU/ BF
2881	REFCON	FTM	m/ft	CONSTANT	3.05E-01	3.05E-01	0.00E+00	3.05E-01	3.05E-01	2/6/96	3	32385	TP/FL/ NU/CS/ BF
3492	REFCON	FVW	NONE	CONSTANT	3.86E-01	3.86E-01	0.00E+00	3.86E-01	3.86E-01	6/28/96	4B	38731	GF
2889	REFCON	GRAVACC	m/s^2	CONSTANT	9.81E+00	9.81E+00	0.00E+00	9.81E+00	9.81E+00	2/6/96	3	32386	NU/BF/ TP/FL/ CS
2884	REFCON	GTI3	in^3/gal	CONSTANT	2.31E+02	2.31E+02	0.00E+00	2.31E+02	2.31E+02	2/6/96	3	32387	FL/TP/ BF/CS/ NU
3502	REFCON	HRH	m	CONSTANT	5.09E-01	5.09E-01	0.00E+00	5.09E-01	5.09E-01	6/27/96	4B	38744	GF
3503	REFCON	ABERM	m^2	CONSTANT	6.29E+05	6.29E+05	0.00E+00	6.29E+05	6.29E+05	6/27/96	4B	38745	GF
2885	REFCON	LBKG	kg/lb	CONSTANT	4.54E-01	4.54E-01	0.00E+00	4.54E-01	4.54E-01	2/6/96	3	32389	FL/TP/ NU/CS/ BF
2882	REFCON	DARM2	m^2/darcy	CONSTANT	9.87E-13	9.87E-13	0.00E+00	9.87E-13	9.87E-13	2/6/96	3	32379	BF/FL/ TP/CS/ NU
2875	REFCON	MW_CAO	kg/mole	CONSTANT	5.61E-02	5.61E-02	0.00E+00	5.61E-02	5.61E-02	12/4/96	5	32391*	TP/CS/ /NU/BF/ FL
2876	REFCON	MW_CAOH2	kg/mole	CONSTANT	7.41E-02	7.41E-02	0.00E+00	7.41E-02	7.41E-02	12/4/96	5	32392*	FL/TP/ BF/NU/ CS
2866	REFCON	MW_CH2O	kg/mole	CONSTANT	3.00E-02	3.00E-02	0.00E+00	3.00E-02	3.00E-02	2/13/96	3	32393	NU/CS/ TP/BF/ FL
2860	REFCON	MW_CH4	kg/mole	CONSTANT	1.60E-02	1.60E-02	0.00E+00	1.60E-02	1.60E-02	12/4/96	5	32394*	CS/FL/ BF/NU/ TP
2859	REFCON	MW_CO2	kg/mole	CONSTANT	4.41E-02	4.41E-02	0.00E+00	4.41E-02	4.41E-02	12/4/96	5	32395*	FL/BF/ TP/NU CS
2865	REFCON	MW_FE	kg/mole	CONSTANT	5.58E-02	5.58E-02	0.00E+00	5.58E-02	5.58E-02	2/13/96	3	32396	CS/TP/ NU/FL/ BF
2873	REFCON	MW_FE3O4	kg/mole	CONSTANT	2.32E-01	2.32E-01	0.00E+00	2.32E-01	2.32E-01	12/4/96	5	32397*	CS/FL/ TP/NU/ BF
2886	REFCON	KGLB	lb/kg	CONSTANT	2.20E+00	2.20E+00	0.00E+00	2.20E+00	2.20E+00	2/6/96	3	32388	TP/CS/ BF/NU/ FL
3496	REFCON	AREA_RH	m^2	CONSTANT	1.58E+04	1.58E+04	0.00E+00	1.58E+04	1.58E+04	6/27/96	4B	38735	GF
2833	REFCON	ACF_CH4	NONE	CONSTANT	1.00E-02	1.00E-02	0.00E+00	1.00E-02	1.00E-02	2/12/96	3	32349	CS/TP/ BF/FL/ NU
2832	REFCON	ACF_CO2	NONE	CONSTANT	2.31E-01	2.31E-01	0.00E+00	2.31E-01	2.31E-01	2/12/96	3	32350	FL/BF/ NU/TP/ CS
2831	REFCON	ACF_H2	NONE	CONSTANT	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2/12/96	3	32351	TP/CS/ FL/BF/ NU
2835	REFCON	ACF_H2S	NONE	CONSTANT	1.00E-01	1.00E-01	0.00E+00	1.00E-01	1.00E-01	2/12/96	3	32352	BF/TP/ FL/CS/ NU
2834	REFCON	ACF_N2	NONE	CONSTANT	4.50E-02	4.50E-02	0.00E+00	4.50E-02	4.50E-02	2/12/96	3	32354	NU/BF/ FL/TP/ CS
2836	REFCON	ACF_O2	NONE	CONSTANT	1.90E-02	1.90E-02	0.00E+00	1.90E-02	1.90E-02	2/12/96	3	32355	CS/FL/ NU/TP/ BF
3113	REFCON	ACTCONST	kg/Ci	CONSTANT	1.13E+13	1.13E+13	0.00E+00	1.13E+13	1.13E+13	12/4/96	5	32356*	CS/BF
3132	REFCON	DRROOM	NONE	CONSTANT	6.80E+03	6.80E+03	0.00E+00	6.80E+03	6.80E+03	2/26/96	3	32372	BF

32. Reference Constants

ID	Material	Parameter	Units	Distribution	Mean	Median	Deviation	Low	High	Entry Date	Impt	WPO	Codes
3489	REFCON	AREA_CH	m^2	CONSTANT	1.12E+05	1.12E+05	0.00E+00	1.12E+05	1.12E+05	6/26/96	4B	38728	GF
2887	REFCON	DAYSEC	s/day	CONSTANT	8.64E+04	8.64E+04	0.00E+00	8.64E+04	8.64E+04	2/6/96	3	32383	FL/TP/ BF/CS/ NU
3488	REFCON	AREA_ZRO	m^2	CONSTANT	4.13E+03	4.13E+03	0.00E+00	4.13E+03	4.13E+03	6/26/96	4B	38727	GF
3106	REFCON	ASDRUM	m^2	CONSTANT	6.00E+00	6.00E+00	0.00E+00	6.00E+00	6.00E+00	2/17/96	4B	36370	BF
2890	REFCON	ATMPA	Pa/atm	CONSTANT	1.01E+05	1.01E+05	0.00E+00	1.01E+05	1.01E+05	2/6/96	3	32358	TP/BF/ FL/NU/ CS
3109	REFCON	AVOGADRO	1/mol	CONSTANT	6.02E+23	6.02E+23	0.00E+00	6.02E+23	6.02E+23	2/17/96	3	32359	BF/NU
2879	REFCON	BBLG	gal/bbl	CONSTANT	4.20E+01	4.20E+01	0.00E+00	4.20E+01	4.20E+01	2/5/96	3	32360	BF
3111	REFCON	CITOBQ	Bq/Ci	CONSTANT	3.70E+10	3.70E+10	0.00E+00	3.70E+10	3.70E+10	2/17/96	3	32377	NU/BF
2872	REFCON	MW_FEOOH	kg/mole	CONSTANT	8.89E-02	8.89E-02	0.00E+00	8.89E-02	8.89E-02	12/4/96	5	32400*	FL/TP/ NU/BF/ CS
2897	REFCON	AL2	NONE	CONSTANT	6.93E-01	6.93E-01	0.00E+00	6.93E-01	6.93E-01	2/6/96	3	32357	BF
2829	REFCON	TC_H2S	K	CONSTANT	3.74E+02	3.74E+02	0.00E+00	3.74E+02	3.74E+02	2/5/96	3	32430	BF
2870	REFCON	MW_FECO3	kg/mole	CONSTANT	1.16E-01	1.16E-01	0.00E+00	1.16E-01	1.16E-01	12/4/96	5	32398*	TP/NU/ CS/FL/ BF
2896	REFCON	PI	NONE	CONSTANT	3.14E+00	3.14E+00	0.00E+00	3.14E+00	3.14E+00	2/6/96	3	32422	BF
2892	REFCON	PSIPA	Pa*in^2/lb	CONSTANT	6.89E+03	6.89E+03	0.00E+00	6.89E+03	6.89E+03	2/6/96	3	32423	FL/BF/ TP/CS/ NU
2893	REFCON	R	J/mol*K	CONSTANT	8.31E+00	8.31E+00	0.00E+00	8.31E+00	8.31E+00	2/6/96	3	32424	NU/CS/ BF/FL/ TP
2891	REFCON	RTK	K/rankine	CONSTANT	5.56E-01	5.56E-01	0.00E+00	5.56E-01	5.56E-01	2/6/96	3	32425	TP/NU/ FL/BF/ CS
3112	REFCON	SECYR	yr/s	CONSTANT	3.17E-08	3.17E-08	0.00E+00	3.17E-08	3.17E-08	2/17/96	3	32426	BF
2827	REFCON	TC_CH4	K	CONSTANT	1.91E+02	1.91E+02	0.00E+00	1.91E+02	1.91E+02	2/5/96	3	32427	BF
2840	REFCON	PC_N2	Pa	CONSTANT	3.39E+06	3.39E+06	0.00E+00	3.39E+06	3.39E+06	2/5/96	3	32419	BF
2825	REFCON	TC_H2	K	CONSTANT	4.36E+01	4.36E+01	0.00E+00	4.36E+01	4.36E+01	2/5/96	3	32429	BF
2841	REFCON	PC_H2S	Pa	CONSTANT	9.01E+06	9.01E+06	0.00E+00	9.01E+06	9.01E+06	2/5/96	3	32418	BF
2828	REFCON	TC_N2	K	CONSTANT	1.26E+02	1.26E+02	0.00E+00	1.26E+02	1.26E+02	2/5/96	3	32431	BF
2830	REFCON	TC_O2	K	CONSTANT	1.55E+02	1.55E+02	0.00E+00	1.55E+02	1.55E+02	2/5/96	3	32432	BF
3490	REFCON	VOLWP	m^3	CONSTANT	4.36E+05	4.36E+05	0.00E+00	4.36E+05	4.36E+05	6/26/96	4B	38729	GF
3107	REFCON	VPANLEX	m^3	CONSTANT	4.61E+04	4.61E+04	0.00E+00	4.61E+04	4.61E+04	2/17/96	4B	33273	BF
3108	REFCON	VREPOS	m^3	CONSTANT	4.36E+05	4.36E+05	0.00E+00	4.36E+05	4.36E+05	2/17/96	4B	33276	BF
3105	REFCON	VROOM	m^3	CONSTANT	3.64E+03	3.64E+03	0.00E+00	3.64E+03	3.64E+03	2/17/96	4B	33280	BF
2888	REFCON	YRSEC	s/yr	CONSTANT	3.16E+07	3.16E+07	0.00E+00	3.16E+07	3.16E+07	2/6/96	3	32434	BF/TP/ FL/CS/ NU
2826	REFCON	TC_CO2	K	CONSTANT	3.04E+02	3.04E+02	0.00E+00	3.04E+02	3.04E+02	2/5/96	3	32428	BF
2878	REFCON	MW_NACL	kg/mole	CONSTANT	5.84E-02	5.84E-02	0.00E+00	5.84E-02	5.84E-02	12/4/96	5	32410*	FL/CS/ BF/TP/ NU
3110	REFCON	ZCINK	K	CONSTANT	2.73E+02	2.73E+02	0.00E+00	2.73E+02	2.73E+02	2/17/96	3	32435	NU/BF
2874	REFCON	MW_FES	kg/mole	CONSTANT	8.79E-02	8.79E-02	0.00E+00	8.79E-02	8.79E-02	12/4/96	5	32401*	NU/FL/ CS/BF/ TP
2869	REFCON	MW_FES2	kg/mole	CONSTANT	1.20E-01	1.20E-01	0.00E+00	1.20E-01	1.20E-01	12/4/96	5	32402*	NU/CS/ BF/TP/ FL
2858	REFCON	MW_H2	kg/mole	CONSTANT	2.02E-03	2.02E-03	0.00E+00	2.02E-03	2.02E-03	2/13/96	3	32403	BF/CS/ FL/TP/ NU
2864	REFCON	MW_H2O	kg/mole	CONSTANT	1.80E-02	1.80E-02	0.00E+00	1.80E-02	1.80E-02	2/13/96	3	32405	NU/BF/ CS/TP/ FL

32. Reference Constants

ID	Material	Parameter	Units	Distribution	Mean	Median	Deviation	Low	High	Entry Date	Impt	WPO	Codes
2862	REFCON	MW_H2S	kg/mole	CONSTANT	3.41E-02	3.41E-02	0.00E+00	3.41E-02	3.41E-02	12/4/96	5	32406*	CS/FL/ TP/BF/ NU
2867	REFCON	MW_H2SO4	kg/mole	CONSTANT	9.81E-02	9.81E-02	0.00E+00	9.81E-02	9.81E-02	12/4/96	5	32407*	TP/BF/ CS/FL/ NU
2842	REFCON	PC_O2	Pa	CONSTANT	5.08E+06	5.08E+06	0.00E+00	5.08E+06	5.08E+06	2/5/96	3	32420	BF
2861	REFCON	MW_N2	kg/mole	CONSTANT	2.80E-02	2.80E-02	0.00E+00	2.80E-02	2.80E-02	12/4/96	5	32409*	FL/NU/ BF/CS/ TP
2871	REFCON	MW_FEOH2	kg/mole	CONSTANT	8.99E-02	8.99E-02	0.00E+00	8.99E-02	8.99E-02	12/4/96	5	32399*	NU/BF/ FL/CS/ TP
2863	REFCON	MW_O2	kg/mole	CONSTANT	3.20E-02	3.20E-02	0.00E+00	3.20E-02	3.20E-02	12/4/96	5	32411*	FL/NU/ CS/TP/ BF
2894	REFCON	OMEGAA	NONE	CONSTANT	4.27E-01	4.27E-01	0.00E+00	4.27E-01	4.27E-01	2/6/96	3	32412	BF
2895	REFCON	OMEGAB	NONE	CONSTANT	8.66E-02	8.66E-02	0.00E+00	8.66E-02	8.66E-02	2/6/96	3	32413	BF
2880	REFCON	PASCP	cP/Pa*s	CONSTANT	1.00E+03	1.00E+03	0.00E+00	1.00E+03	1.00E+03	2/5/96	3	32414	BF
2839	REFCON	PC_CH4	Pa	CONSTANT	4.62E+06	4.62E+06	0.00E+00	4.62E+06	4.62E+06	2/5/96	3	32415	BF
2838	REFCON	PC_CO2	Pa	CONSTANT	7.38E+06	7.38E+06	0.00E+00	7.38E+06	7.38E+06	2/5/96	3	32416	BF
2837	REFCON	PC_H2	Pa	CONSTANT	2.05E+06	2.05E+06	0.00E+00	2.05E+06	2.05E+06	2/5/96	3	32417	BF
2868	REFCON	MW_HNO3	kg/mole	CONSTANT	6.30E-02	6.30E-02	0.00E+00	6.30E-02	6.30E-02	12/4/96	5	32408*	FL/CS/ TP/BF/ NU

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Appendix B1

**Parameter Cross Reference
by ID Number**

ID Number

Parameter ID	Material	Parameter
2	AM241	ATWEIGHT
3	AM241	HALFLIFE
4	AM241	INVCHD
5	AM241	INVRHD
6	AM243	HALFLIFE
7	OPS_AREA	CAP_MOD
8	OPS_AREA	COMP_RCK
9	OPS_AREA	PC_MAX
10	OPS_AREA	PORE_DIS
11	OPS_AREA	POROSITY
12	OPS_AREA	PO_MIN
13	OPS_AREA	PRESSURE
14	OPS_AREA	PRMX_LOG
15	OPS_AREA	PRMY_LOG
16	OPS_AREA	PRMZ_LOG
19	OPS_AREA	RELP_MOD
20	OPS_AREA	SAT_IBRN
21	OPS_AREA	SAT_RBRN
22	OPS_AREA	SAT_RGAS
23	BOREHOLE	CAP_MOD
25	BOREHOLE	COMP_RCK
26	BOREHOLE	DIAMMOD
27	BOREHOLE	DOMEGA
29	BOREHOLE	PC_MAX
30	BOREHOLE	PORE_DIS
31	BOREHOLE	POROSITY
32	BOREHOLE	PO_MIN
33	BOREHOLE	PRESSURE
34	BOREHOLE	PRMX_LOG
35	BOREHOLE	PRMY_LOG
36	BOREHOLE	PRMZ_LOG
38	BOREHOLE	PTINDEX
40	BOREHOLE	RELP_MOD
41	BOREHOLE	SAT_RBRN
42	BOREHOLE	SAT_RGAS
43	BRINECST	COMPRES
44	BRINECST	DNSFLUID
48	BRINESAL	COMPRES
49	BRINESAL	DNSFLUID
50	BRINESAL	REF_PRES
51	BRINESAL	REF_TEMP
52	BRINESAL	RSLOPE
55	BRINESAL	VISCO
57	BRINESAL	WTF
58	CASTILER	AREA_FRC
60	CASTILER	CAP_MOD
61	CASTILER	COMP_RCK
62	CASTILER	PC_MAX
63	CASTILER	PORE_DIS
64	CASTILER	POROSITY
65	CASTILER	PO_MIN

Parameter ID	Material	Parameter
66	CASTILER	PRESSURE
67	CASTILER	PRMX_LOG
68	CASTILER	PRMY_LOG
69	CASTILER	PRMZ_LOG
72	CASTILER	RELP_MOD
73	CASTILER	SAT_IBRN
74	CASTILER	SAT_RBRN
75	CASTILER	SAT_RGAS
76	CAVITY_1	CAP_MOD
77	CAVITY_1	COMP_RCK
78	CAVITY_1	PC_MAX
79	CAVITY_1	PORE_DIS
80	CAVITY_1	POROSITY
81	CAVITY_1	PO_MIN
82	CAVITY_1	PRESSURE
83	CAVITY_1	PRMX_LOG
84	CAVITY_1	PRMY_LOG
85	CAVITY_1	PRMZ_LOG
88	CAVITY_1	RELP_MOD
89	CAVITY_1	SAT_RBRN
90	CAVITY_1	SAT_RGAS
91	CAVITY_2	CAP_MOD
92	CAVITY_2	COMP_RCK
93	CAVITY_2	PC_MAX
94	CAVITY_2	PORE_DIS
95	CAVITY_2	POROSITY
96	CAVITY_2	PO_MIN
97	CAVITY_2	PRESSURE
98	CAVITY_2	PRMX_LOG
99	CAVITY_2	PRMY_LOG
100	CAVITY_2	PRMZ_LOG
103	CAVITY_2	RELP_MOD
104	CAVITY_2	SAT_RBRN
105	CAVITY_2	SAT_RGAS
106	CF252	ATWEIGHT
107	CF252	HALFLIFE
108	CF252	INVCHD
109	CF252	INVRHD
110	CM244	ATWEIGHT
111	CM244	HALFLIFE
112	CM244	INVCHD
113	CM244	INVRHD
115	CM248	HALFLIFE
116	CS137	ATWEIGHT
117	CS137	HALFLIFE
118	CS137	INVRHD
119	CULEBRA	CAP_MOD
120	CULEBRA	COMP_RCK
123	CULEBRA	FRCTRDX
137	CULEBRA	PC_MAX
139	CULEBRA	PORE_DIS

ID Number

Parameter ID	Material	Parameter
140	CULEBRA	POROSITY
141	CULEBRA	PO_MIN
142	CULEBRA	PRESSURE
143	CULEBRA	PRMX_LOG
144	CULEBRA	PRMY_LOG
145	CULEBRA	PRMZ_LOG
148	CULEBRA	REL_P_MOD
149	CULEBRA	SAT_IBRN
150	CULEBRA	SAT_RBRN
151	CULEBRA	SAT_RGAS
153	DEWYLAKE	CAP_MOD
154	DEWYLAKE	COMP_RCK
156	DEWYLAKE	PC_MAX
157	DEWYLAKE	PORE_DIS
158	DEWYLAKE	POROSITY
159	DEWYLAKE	PO_MIN
160	DEWYLAKE	PRESSURE
161	DEWYLAKE	PRMX_LOG
162	DEWYLAKE	PRMY_LOG
163	DEWYLAKE	PRMZ_LOG
166	DEWYLAKE	REL_P_MOD
167	DEWYLAKE	SAL_USAT
168	DEWYLAKE	SAT_IBRN
169	DEWYLAKE	SAT_RBRN
170	DEWYLAKE	SAT_RGAS
171	DRILLMUD	DNSFLUID
172	DRILLMUD	VISCO
173	DRILLMUD	YLDSTRSS
174	DRZ_0	CAP_MOD
175	DRZ_0	COMP_RCK
176	DRZ_0	PC_MAX
177	DRZ_0	PORE_DIS
178	DRZ_0	POROSITY
179	DRZ_0	PO_MIN
181	DRZ_0	PRMX_LOG
182	DRZ_0	PRMY_LOG
183	DRZ_0	PRMZ_LOG
186	DRZ_0	REL_P_MOD
187	DRZ_0	SAT_IBRN
188	DRZ_0	SAT_RBRN
189	DRZ_0	SAT_RGAS
190	DRZ_1	CAP_MOD
191	DRZ_1	COMP_RCK
193	DRZ_1	PC_MAX
194	DRZ_1	PORE_DIS
195	DRZ_1	POROSITY
196	DRZ_1	PO_MIN
198	DRZ_1	PRMX_LOG
199	DRZ_1	PRMY_LOG
200	DRZ_1	PRMZ_LOG
203	DRZ_1	REL_P_MOD

Parameter ID	Material	Parameter
205	DRZ_1	SAT_RBRN
206	DRZ_1	SAT_RGAS
207	EXP_AREA	CAP_MOD
208	EXP_AREA	COMP_RCK
209	EXP_AREA	PC_MAX
210	EXP_AREA	PORE_DIS
211	EXP_AREA	POROSITY
212	EXP_AREA	PO_MIN
213	EXP_AREA	PRESSURE
214	EXP_AREA	PRMX_LOG
215	EXP_AREA	PRMY_LOG
216	EXP_AREA	PRMZ_LOG
219	EXP_AREA	REL_P_MOD
220	EXP_AREA	SAT_IBRN
221	EXP_AREA	SAT_RBRN
222	EXP_AREA	SAT_RGAS
223	GLOBAL	CLIMTIDX
225	GLOBAL	TRANSIDX
228	H2	VISCO
229	IMPERM_Z	CAP_MOD
230	IMPERM_Z	COMP_RCK
231	IMPERM_Z	PC_MAX
232	IMPERM_Z	PORE_DIS
233	IMPERM_Z	POROSITY
234	IMPERM_Z	PO_MIN
236	IMPERM_Z	PRMX_LOG
237	IMPERM_Z	PRMY_LOG
238	IMPERM_Z	PRMZ_LOG
241	IMPERM_Z	REL_P_MOD
243	IMPERM_Z	SAT_RBRN
244	IMPERM_Z	SAT_RGAS
246	NP237	ATWEIGHT
247	NP237	HALFLIFE
248	NP237	INVCHD
249	NP237	INVRHD
250	PA231	ATWEIGHT
251	PA231	HALFLIFE
252	PAN_SEAL	CAP_MOD
253	PAN_SEAL	COMP_RCK
254	PAN_SEAL	PC_MAX
255	PAN_SEAL	PORE_DIS
256	PAN_SEAL	POROSITY
257	PAN_SEAL	PO_MIN
258	PAN_SEAL	PRESSURE
259	PAN_SEAL	PRMX_LOG
260	PAN_SEAL	PRMY_LOG
261	PAN_SEAL	PRMZ_LOG
264	PAN_SEAL	REL_P_MOD
265	PAN_SEAL	SAT_RBRN
266	PAN_SEAL	SAT_RGAS
282	PB	LOGSOLM

ID Number

Parameter ID	Material	Parameter
283	PB210	ATWEIGHT
284	PB210	HALFLIFE
285	PB210	INVCHD
286	PB210	INVRHD
287	PM147	ATWEIGHT
288	PM147	HALFLIFE
289	PM147	INVRHD
291	PU238	ATWEIGHT
292	PU238	HALFLIFE
293	PU238	INVCHD
294	PU238	INVRHD
295	PU239	ATWEIGHT
296	PU239	HALFLIFE
297	PU239	INVCHD
298	PU239	INVRHD
299	PU240	ATWEIGHT
300	PU240	HALFLIFE
301	PU240	INVCHD
302	PU240	INVRHD
303	PU241	ATWEIGHT
304	PU241	HALFLIFE
305	PU241	INVCHD
306	PU241	INVRHD
307	PU242	ATWEIGHT
308	PU242	HALFLIFE
309	PU242	INVCHD
310	PU242	INVRHD
311	PU244	ATWEIGHT
312	PU244	HALFLIFE
313	RA	LOGSOLM
314	RA226	ATWEIGHT
315	RA226	HALFLIFE
316	RA226	INVCHD
317	RA226	INVRHD
318	RA228	ATWEIGHT
319	RA228	HALFLIFE
336	SANTAROS	CAP_MOD
337	SANTAROS	COMP_RCK
339	SANTAROS	PC_MAX
340	SANTAROS	PORE_DIS
341	SANTAROS	POROSITY
342	SANTAROS	PO_MIN
343	SANTAROS	PRESSURE
344	SANTAROS	PRMX_LOG
345	SANTAROS	PRMY_LOG
346	SANTAROS	PRMZ_LOG
349	SANTAROS	RELP_MOD
350	SANTAROS	SAT_IBRN
351	SANTAROS	SAT_RBRN
352	SANTAROS	SAT_RGAS
514	SM147	ATWEIGHT

Parameter ID	Material	Parameter
515	SM147	HALFLIFE
517	SR90	HALFLIFE
518	SR90	INVRHD
520	S_ANH_AB	CAP_MOD
521	S_ANH_AB	COMP_RCK
522	S_ANH_AB	PC_MAX
524	S_ANH_AB	PF_DELTA
526	S_ANH_AB	PI_DELTA
527	S_ANH_AB	PORE_DIS
528	S_ANH_AB	POROSITY
529	S_ANH_AB	PO_MIN
531	S_ANH_AB	PRMX_LOG
532	S_ANH_AB	PRMY_LOG
533	S_ANH_AB	PRMZ_LOG
536	S_ANH_AB	RELP_MOD
537	S_ANH_AB	SAT_IBRN
538	S_ANH_AB	SAT_RBRN
539	S_ANH_AB	SAT_RGAS
540	S_HALITE	CAP_MOD
541	S_HALITE	COMP_RCK
542	S_HALITE	PC_MAX
543	S_HALITE	PORE_DIS
544	S_HALITE	POROSITY
545	S_HALITE	PO_MIN
546	S_HALITE	PRESSURE
547	S_HALITE	PRMX_LOG
548	S_HALITE	PRMY_LOG
549	S_HALITE	PRMZ_LOG
553	S_HALITE	RELP_MOD
554	S_HALITE	SAT_IBRN
555	S_HALITE	SAT_RBRN
556	S_HALITE	SAT_RGAS
559	S_MB138	CAP_MOD
560	S_MB138	COMP_RCK
561	S_MB138	PC_MAX
563	S_MB138	PF_DELTA
565	S_MB138	PI_DELTA
566	S_MB138	PORE_DIS
567	S_MB138	POROSITY
568	S_MB138	PO_MIN
569	S_MB138	PRESSURE
570	S_MB138	PRMX_LOG
571	S_MB138	PRMY_LOG
572	S_MB138	PRMZ_LOG
575	S_MB138	RELP_MOD
576	S_MB138	SAT_IBRN
577	S_MB138	SAT_RBRN
578	S_MB138	SAT_RGAS
579	S_MB139	CAP_MOD
580	S_MB139	COMP_RCK
582	S_MB139	PC_MAX

ID Number

Parameter ID	Material	Parameter
586	S_MB139	PI_DELTA
587	S_MB139	PORE_DIS
588	S_MB139	POROSITY
589	S_MB139	PO_MIN
590	S_MB139	PRESSURE
591	S_MB139	PRMX_LOG
592	S_MB139	PRMY_LOG
593	S_MB139	PRMZ_LOG
596	S_MB139	REL_P_MOD
597	S_MB139	SAT_IBRN
598	S_MB139	SAT_RBRN
599	S_MB139	SAT_RGAS
603	TH229	ATWEIGHT
604	TH229	HALFLIFE
605	TH229	INVCHD
606	TH229	INVRHD
607	TH230	ATWEIGHT
608	TH230	HALFLIFE
609	TH230	INVCHD
610	TH230	INVRHD
611	TH232	ATWEIGHT
612	TH232	HALFLIFE
613	TH232	INVCHD
614	TH232	INVRHD
632	U233	ATWEIGHT
633	U233	HALFLIFE
634	U233	INVCHD
635	U233	INVRHD
636	U234	ATWEIGHT
637	U234	HALFLIFE
638	U234	INVCHD
639	U234	INVRHD
640	U235	ATWEIGHT
641	U235	HALFLIFE
642	U235	INVCHD
643	U235	INVRHD
644	U236	ATWEIGHT
645	U236	HALFLIFE
646	U236	INVRHD
647	U238	ATWEIGHT
648	U238	HALFLIFE
649	U238	INVCHD
650	U238	INVRHD
651	WAS_AREA	ABSROUGH
652	WAS_AREA	CAP_MOD
653	WAS_AREA	COMP_RCK
656	WAS_AREA	GRATMICH
657	WAS_AREA	GRATMICI
658	WAS_AREA	PC_MAX
659	WAS_AREA	PORE_DIS
660	WAS_AREA	POROSITY

Parameter ID	Material	Parameter
661	WAS_AREA	PO_MIN
662	WAS_AREA	PRESSURE
663	WAS_AREA	PRMX_LOG
664	WAS_AREA	PRMY_LOG
665	WAS_AREA	PRMZ_LOG
668	WAS_AREA	REL_P_MOD
669	WAS_AREA	SAT_IBRN
670	WAS_AREA	SAT_RBRN
671	WAS_AREA	SAT_RGAS
838	CF	LOGSOLM
841	CS	LOGSOLM
843	CULEBRA	DNSGRAIN
861	CULEBRA	FTORT
944	DRZ_0	MDISP_L
945	DRZ_0	MDISP_T
962	DRZ_0	TORTUSTY
1167	PM	LOGSOLM
1659	SR	LOGSOLM
1661	S_ANH_AB	DNSGRAIN
1684	S_ANH_AB	MDISP_L
1685	S_ANH_AB	MDISP_T
1702	S_ANH_AB	TORTUSTY
1703	S_HALITE	DNSGRAIN
1724	S_HALITE	MDISP_L
1725	S_HALITE	MDISP_T
1742	S_HALITE	TORTUSTY
1743	S_MB138	DNSGRAIN
1784	S_MB139	DNSGRAIN
1992	WAS_AREA	DIRNCCHW
1993	WAS_AREA	DIRNCRHW
1994	WAS_AREA	DNSGRAIN
1995	WAS_AREA	DPLSCCHW
2037	CS137	INVCHD
2038	PM147	INVCHD
2039	SR90	INVCHD
2040	WAS_AREA	DIRONCHW
2041	WAS_AREA	DCELLCHW
2042	WAS_AREA	DRUBBCHW
2043	WAS_AREA	DPLASCHW
2044	WAS_AREA	DIRONRHW
2046	WAS_AREA	DRUBBRHW
2049	CAVITY_3	CAP_MOD
2051	CAVITY_3	COMP_RCK
2052	CAVITY_3	PORE_DIS
2053	CAVITY_3	POROSITY
2054	CAVITY_3	PRMX_LOG
2055	CAVITY_3	PRMY_LOG
2056	CAVITY_3	PRMZ_LOG
2058	CAVITY_3	REL_P_MOD
2059	CAVITY_3	SAT_RGAS
2060	CAVITY_4	CAP_MOD

ID Number

Parameter ID	Material	Parameter
2062	CAVITY_4	COMP_RCK
2063	CAVITY_4	PORE_DIS
2064	CAVITY_4	POROSITY
2065	CAVITY_4	PRMX_LOG
2066	CAVITY_4	PRMY_LOG
2067	CAVITY_4	PRMZ_LOG
2069	CAVITY_4	RELP_MOD
2070	CAVITY_4	SAT_RGAS
2071	CULEBRA	THICK
2085	FORTYNIN	CAP_MOD
2087	FORTYNIN	PORE_DIS
2088	FORTYNIN	POROSITY
2093	FORTYNIN	RELP_MOD
2094	FORTYNIN	SAT_RGAS
2097	MAGENTA	CAP_MOD
2098	MAGENTA	PC_MAX
2099	MAGENTA	PORE_DIS
2100	MAGENTA	POROSITY
2101	MAGENTA	PRESSURE
2102	MAGENTA	PRMX_LOG
2103	MAGENTA	PRMY_LOG
2104	MAGENTA	PRMZ_LOG
2106	MAGENTA	RELP_MOD
2107	MAGENTA	SAT_RGAS
2109	MAGENTA	THICK
2110	REPOSIT	CAP_MOD
2112	REPOSIT	COMP_RCK
2113	REPOSIT	DCELLCHW
2114	REPOSIT	DCELLRHW
2115	REPOSIT	DIRNCCHW
2116	REPOSIT	DIRNCRHW
2117	REPOSIT	DIRONCHW
2118	REPOSIT	DIRONRHW
2119	REPOSIT	DPLASCHW
2120	REPOSIT	DPLASRHW
2121	REPOSIT	DPLSCCHW
2122	REPOSIT	DRUBBCHW
2123	REPOSIT	DRUBBRHW
2127	REPOSIT	GRATMICH
2128	REPOSIT	GRATMICI
2129	REPOSIT	PORE_DIS
2130	REPOSIT	POROSITY
2131	REPOSIT	PRMX_LOG
2132	REPOSIT	PRMY_LOG
2133	REPOSIT	PRMZ_LOG
2135	REPOSIT	RELP_MOD
2137	REPOSIT	SAT_RGAS
2141	REPOSIT	VOLCHW
2142	REPOSIT	VOLRHW
2158	S_ANH_AB	DPHIMAX
2159	S_ANH_AB	KMAXLOG

Parameter ID	Material	Parameter
2169	S_MB138	DPHIMAX
2170	S_MB138	KMAXLOG
2177	S_MB139	DPHIMAX
2178	S_MB139	KMAXLOG
2180	S_MB139	PF_DELTA
2183	TAMARISK	CAP_MOD
2185	TAMARISK	PORE_DIS
2186	TAMARISK	POROSITY
2191	TAMARISK	RELP_MOD
2192	TAMARISK	SAT_RGAS
2216	U236	INVCHD
2217	UNNAMED	CAP_MOD
2218	UNNAMED	COMP_RCK
2219	UNNAMED	PORE_DIS
2220	UNNAMED	POROSITY
2225	UNNAMED	RELP_MOD
2226	UNNAMED	SAT_RGAS
2228	WAS_AREA	DPLSCRHW
2231	WAS_AREA	SAT_WICK
2232	WAS_AREA	VOLCHW
2233	WAS_AREA	VOLRHW
2234	CAVITY_3	PC_MAX
2235	CAVITY_3	SAT_RBRN
2236	CAVITY_4	PC_MAX
2237	CAVITY_4	SAT_RBRN
2238	FORTYNIN	COMP_RCK
2239	FORTYNIN	PC_MAX
2240	FORTYNIN	SAT_RBRN
2241	MAGENTA	SAT_RBRN
2242	REPOSIT	PC_MAX
2243	TAMARISK	COMP_RCK
2244	TAMARISK	PC_MAX
2245	TAMARISK	SAT_RBRN
2247	UNNAMED	PC_MAX
2248	UNNAMED	SAT_RBRN
2254	BOREHOLE	TAUFAIL
2265	CM248	INVCHD
2266	CM248	INVRHD
2267	PA231	INVCHD
2268	PA231	INVRHD
2269	PU244	INVCHD
2270	PU244	INVRHD
2271	RA228	INVCHD
2272	RA228	INVRHD
2274	WAS_AREA	DCELLRHW
2275	WAS_AREA	DPLASRHW
2276	ASPHALT	CAP_MOD
2277	ASPHALT	COMP_RCK
2278	ASPHALT	PC_MAX
2279	ASPHALT	PORE_DIS
2280	ASPHALT	POROSITY

ID Number

Parameter ID	Material	Parameter
2281	ASPHALT	PO_MIN
2282	ASPHALT	PRESSURE
2283	ASPHALT	PRMX_LOG
2284	ASPHALT	PRMY_LOG
2285	ASPHALT	PRMZ_LOG
2289	ASPHALT	RELP_MOD
2290	ASPHALT	SAT_IBRN
2291	ASPHALT	SAT_RBRN
2292	ASPHALT	SAT_RGAS
2310	CLAY_BOT	CAP_MOD
2311	CLAY_BOT	COMP_RCK
2312	CLAY_BOT	PC_MAX
2313	CLAY_BOT	PORE_DIS
2314	CLAY_BOT	POROSITY
2315	CLAY_BOT	PO_MIN
2316	CLAY_BOT	PRESSURE
2317	CLAY_BOT	PRMX_LOG
2318	CLAY_BOT	PRMY_LOG
2319	CLAY_BOT	PRMZ_LOG
2323	CLAY_BOT	RELP_MOD
2324	CLAY_BOT	SAT_IBRN
2325	CLAY_BOT	SAT_RBRN
2326	CLAY_BOT	SAT_RGAS
2327	CL_L_T1	CAP_MOD
2328	CL_L_T1	COMP_RCK
2329	CL_L_T1	PC_MAX
2330	CL_L_T1	PORE_DIS
2331	CL_L_T1	POROSITY
2332	CL_L_T1	PO_MIN
2333	CL_L_T1	PRESSURE
2334	CL_L_T1	PRMX_LOG
2335	CL_L_T1	PRMY_LOG
2336	CL_L_T1	PRMZ_LOG
2340	CL_L_T1	RELP_MOD
2341	CL_L_T1	SAT_IBRN
2342	CL_L_T1	SAT_RBRN
2343	CL_L_T1	SAT_RGAS
2344	CL_L_T2	CAP_MOD
2345	CL_L_T2	COMP_RCK
2346	CL_L_T2	PC_MAX
2347	CL_L_T2	PORE_DIS
2348	CL_L_T2	POROSITY
2349	CL_L_T2	PO_MIN
2351	CL_L_T2	PRMX_LOG
2352	CL_L_T2	PRMY_LOG
2353	CL_L_T2	PRMZ_LOG
2357	CL_L_T2	RELP_MOD
2359	CL_L_T2	SAT_RBRN
2360	CL_L_T2	SAT_RGAS
2361	CL_L_T3	CAP_MOD
2362	CL_L_T3	COMP_RCK

Parameter ID	Material	Parameter
2363	CL_L_T3	PC_MAX
2364	CL_L_T3	PORE_DIS
2365	CL_L_T3	POROSITY
2366	CL_L_T3	PO_MIN
2368	CL_L_T3	PRMX_LOG
2369	CL_L_T3	PRMY_LOG
2370	CL_L_T3	PRMZ_LOG
2374	CL_L_T3	RELP_MOD
2376	CL_L_T3	SAT_RBRN
2377	CL_L_T3	SAT_RGAS
2378	CL_M_T1	CAP_MOD
2379	CL_M_T1	COMP_RCK
2380	CL_M_T1	PC_MAX
2381	CL_M_T1	PORE_DIS
2382	CL_M_T1	POROSITY
2383	CL_M_T1	PO_MIN
2384	CL_M_T1	PRESSURE
2385	CL_M_T1	PRMX_LOG
2386	CL_M_T1	PRMY_LOG
2387	CL_M_T1	PRMZ_LOG
2391	CL_M_T1	RELP_MOD
2392	CL_M_T1	SAT_IBRN
2393	CL_M_T1	SAT_RBRN
2394	CL_M_T1	SAT_RGAS
2395	CL_M_T2	CAP_MOD
2396	CL_M_T2	COMP_RCK
2397	CL_M_T2	PC_MAX
2398	CL_M_T2	PORE_DIS
2399	CL_M_T2	POROSITY
2400	CL_M_T2	PO_MIN
2402	CL_M_T2	PRMX_LOG
2403	CL_M_T2	PRMY_LOG
2404	CL_M_T2	PRMZ_LOG
2408	CL_M_T2	RELP_MOD
2410	CL_M_T2	SAT_RBRN
2411	CL_M_T2	SAT_RGAS
2412	CL_M_T3	CAP_MOD
2413	CL_M_T3	COMP_RCK
2414	CL_M_T3	PC_MAX
2415	CL_M_T3	PORE_DIS
2416	CL_M_T3	POROSITY
2417	CL_M_T3	PO_MIN
2419	CL_M_T3	PRMX_LOG
2420	CL_M_T3	PRMY_LOG
2421	CL_M_T3	PRMZ_LOG
2425	CL_M_T3	RELP_MOD
2427	CL_M_T3	SAT_RBRN
2428	CL_M_T3	SAT_RGAS
2429	CL_M_T4	CAP_MOD
2430	CL_M_T4	COMP_RCK
2431	CL_M_T4	PC_MAX

ID Number

Parameter ID	Material	Parameter
2432	CL_M_T4	PORE_DIS
2433	CL_M_T4	POROSITY
2434	CL_M_T4	PO_MIN
2436	CL_M_T4	PRMX_LOG
2437	CL_M_T4	PRMY_LOG
2438	CL_M_T4	PRMZ_LOG
2442	CL_M_T4	RELP_MOD
2444	CL_M_T4	SAT_RBRN
2445	CL_M_T4	SAT_RGAS
2446	CL_M_T5	CAP_MOD
2447	CL_M_T5	COMP_RCK
2448	CL_M_T5	PC_MAX
2449	CL_M_T5	PORE_DIS
2450	CL_M_T5	POROSITY
2451	CL_M_T5	PO_MIN
2453	CL_M_T5	PRMX_LOG
2454	CL_M_T5	PRMY_LOG
2455	CL_M_T5	PRMZ_LOG
2459	CL_M_T5	RELP_MOD
2461	CL_M_T5	SAT_RBRN
2462	CL_M_T5	SAT_RGAS
2463	CONC_T1	CAP_MOD
2464	CONC_T1	COMP_RCK
2465	CONC_T1	PC_MAX
2466	CONC_T1	PORE_DIS
2467	CONC_T1	POROSITY
2468	CONC_T1	PO_MIN
2469	CONC_T1	PRESSURE
2470	CONC_T1	PRMX_LOG
2471	CONC_T1	PRMY_LOG
2472	CONC_T1	PRMZ_LOG
2476	CONC_T1	RELP_MOD
2477	CONC_T1	SAT_IBRN
2478	CONC_T1	SAT_RBRN
2479	CONC_T1	SAT_RGAS
2480	CONC_T2	CAP_MOD
2481	CONC_T2	COMP_RCK
2482	CONC_T2	PC_MAX
2483	CONC_T2	PORE_DIS
2484	CONC_T2	POROSITY
2485	CONC_T2	PRESSURE
2486	CONC_T2	PRMX_LOG
2487	CONC_T2	PRMY_LOG
2488	CONC_T2	PRMZ_LOG
2492	CONC_T2	RELP_MOD
2493	CONC_T2	SAT_IBRN
2494	CONC_T2	SAT_RBRN
2495	CONC_T2	SAT_RGAS
2496	EARTH	CAP_MOD
2497	EARTH	COMP_RCK
2498	EARTH	PC_MAX

Parameter ID	Material	Parameter
2499	EARTH	PORE_DIS
2500	EARTH	POROSITY
2501	EARTH	PO_MIN
2502	EARTH	PRESSURE
2503	EARTH	PRMX_LOG
2504	EARTH	PRMY_LOG
2505	EARTH	PRMZ_LOG
2509	EARTH	RELP_MOD
2510	EARTH	SAT_IBRN
2511	EARTH	SAT_RBRN
2512	EARTH	SAT_RGAS
2513	SALT_T1	CAP_MOD
2514	SALT_T1	COMP_RCK
2515	SALT_T1	PC_MAX
2516	SALT_T1	PORE_DIS
2517	SALT_T1	POROSITY
2518	SALT_T1	PO_MIN
2519	SALT_T1	PRESSURE
2526	SALT_T1	RELP_MOD
2527	SALT_T1	SAT_IBRN
2528	SALT_T1	SAT_RBRN
2529	SALT_T1	SAT_RGAS
2530	SALT_T2	CAP_MOD
2531	SALT_T2	COMP_RCK
2532	SALT_T2	PC_MAX
2533	SALT_T2	PORE_DIS
2534	SALT_T2	POROSITY
2535	SALT_T2	PO_MIN
2543	SALT_T2	RELP_MOD
2545	SALT_T2	SAT_RBRN
2546	SALT_T2	SAT_RGAS
2547	SALT_T3	CAP_MOD
2548	SALT_T3	COMP_RCK
2549	SALT_T3	PC_MAX
2550	SALT_T3	PORE_DIS
2551	SALT_T3	POROSITY
2552	SALT_T3	PO_MIN
2560	SALT_T3	RELP_MOD
2562	SALT_T3	SAT_RBRN
2563	SALT_T3	SAT_RGAS
2564	SALT_T4	CAP_MOD
2565	SALT_T4	COMP_RCK
2566	SALT_T4	PC_MAX
2567	SALT_T4	PORE_DIS
2568	SALT_T4	POROSITY
2569	SALT_T4	PO_MIN
2577	SALT_T4	RELP_MOD
2579	SALT_T4	SAT_RBRN
2580	SALT_T4	SAT_RGAS
2581	SALT_T5	CAP_MOD
2582	SALT_T5	COMP_RCK

ID Number

Parameter ID	Material	Parameter
2583	SALT_T5	PC_MAX
2585	SALT_T5	POROSITY
2594	SALT_T5	RELP_MOD
2596	SALT_T5	SAT_RBRN
2597	SALT_T5	SAT_RGAS
2599	ASPHALT	KPT
2600	ASPHALT	PCT_A
2601	ASPHALT	PCT_EXP
2604	OPS_AREA	KPT
2605	OPS_AREA	PCT_A
2606	OPS_AREA	PCT_EXP
2608	CASTILER	KPT
2609	CASTILER	PCT_A
2610	CASTILER	PCT_EXP
2612	CAVITY_1	KPT
2613	CAVITY_1	PCT_A
2614	CAVITY_1	PCT_EXP
2616	CAVITY_2	KPT
2617	CAVITY_2	PCT_A
2618	CAVITY_2	PCT_EXP
2620	CAVITY_3	KPT
2621	CAVITY_3	PCT_A
2622	CAVITY_3	PCT_EXP
2623	CAVITY_3	PO_MIN
2625	CAVITY_4	KPT
2626	CAVITY_4	PCT_A
2627	CAVITY_4	PCT_EXP
2628	CAVITY_4	PO_MIN
2636	CLAY_BOT	KPT
2637	CLAY_BOT	PCT_A
2638	CLAY_BOT	PCT_EXP
2641	CL_L_T1	KPT
2642	CL_L_T1	PCT_A
2643	CL_L_T1	PCT_EXP
2646	CL_L_T2	KPT
2647	CL_L_T2	PCT_A
2648	CL_L_T2	PCT_EXP
2651	CL_L_T3	KPT
2652	CL_L_T3	PCT_A
2653	CL_L_T3	PCT_EXP
2656	CL_M_T1	KPT
2657	CL_M_T1	PCT_A
2658	CL_M_T1	PCT_EXP
2661	CL_M_T2	KPT
2662	CL_M_T2	PCT_A
2663	CL_M_T2	PCT_EXP
2666	CL_M_T3	KPT
2667	CL_M_T3	PCT_A
2668	CL_M_T3	PCT_EXP
2671	CL_M_T4	KPT
2672	CL_M_T4	PCT_A

Parameter ID	Material	Parameter
2673	CL_M_T4	PCT_EXP
2676	CL_M_T5	KPT
2677	CL_M_T5	PCT_A
2678	CL_M_T5	PCT_EXP
2681	CONC_T1	KPT
2682	CONC_T1	PCT_A
2683	CONC_T1	PCT_EXP
2686	CONC_T2	KPT
2687	CONC_T2	PCT_A
2688	CONC_T2	PCT_EXP
2691	CULEBRA	KPT
2692	CULEBRA	PCT_A
2693	CULEBRA	PCT_EXP
2696	DEWYLAKE	KPT
2697	DEWYLAKE	PCT_A
2698	DEWYLAKE	PCT_EXP
2701	DRZ_0	KPT
2702	DRZ_0	PCT_A
2703	DRZ_0	PCT_EXP
2706	EARTH	KPT
2707	EARTH	PCT_A
2708	EARTH	PCT_EXP
2711	EXP_AREA	KPT
2712	EXP_AREA	PCT_A
2713	EXP_AREA	PCT_EXP
2715	FORTYNIN	KPT
2716	FORTYNIN	PCT_A
2717	FORTYNIN	PCT_EXP
2718	FORTYNIN	PO_MIN
2720	IMPERM_Z	KPT
2721	IMPERM_Z	PCT_A
2722	IMPERM_Z	PCT_EXP
2725	MAGENTA	KPT
2726	MAGENTA	PCT_A
2727	MAGENTA	PCT_EXP
2728	MAGENTA	PO_MIN
2731	PAN_SEAL	KPT
2732	PAN_SEAL	PCT_A
2733	PAN_SEAL	PCT_EXP
2734	PAN_SEAL	SAT_IBRN
2736	REPOSIT	KPT
2737	REPOSIT	PCT_A
2738	REPOSIT	PCT_EXP
2739	REPOSIT	PO_MIN
2740	REPOSIT	SAT_IBRN
2741	REPOSIT	SAT_RBRN
2744	SALT_T1	KPT
2745	SALT_T1	PCT_A
2746	SALT_T1	PCT_EXP
2749	SALT_T2	KPT
2750	SALT_T2	PCT_A

ID Number

Parameter ID	Material	Parameter
2751	SALT_T2	PCT_EXP
2754	SALT_T3	KPT
2755	SALT_T3	PCT_A
2756	SALT_T3	PCT_EXP
2759	SALT_T4	KPT
2760	SALT_T4	PCT_A
2761	SALT_T4	PCT_EXP
2764	SALT_T5	KPT
2765	SALT_T5	PCT_A
2766	SALT_T5	PCT_EXP
2768	SANTAROS	KPT
2769	SANTAROS	PCT_A
2770	SANTAROS	PCT_EXP
2773	S_ANH_AB	KPT
2774	S_ANH_AB	PCT_A
2775	S_ANH_AB	PCT_EXP
2778	S_HALITE	KPT
2779	S_HALITE	PCT_A
2780	S_HALITE	PCT_EXP
2783	S_MB138	KPT
2784	S_MB138	PCT_A
2785	S_MB138	PCT_EXP
2788	S_MB139	KPT
2789	S_MB139	PCT_A
2790	S_MB139	PCT_EXP
2793	TAMARISK	KPT
2794	TAMARISK	PCT_A
2795	TAMARISK	PCT_EXP
2796	TAMARISK	PO_MIN
2799	UNNAMED	KPT
2800	UNNAMED	PCT_A
2801	UNNAMED	PCT_EXP
2802	UNNAMED	PO_MIN
2804	WAS_AREA	KPT
2805	WAS_AREA	PCT_A
2806	WAS_AREA	PCT_EXP
2808	CONC_T2	PO_MIN
2809	SALT_T5	PORE_DIS
2810	S_MB138	IFRX
2811	S_MB139	IFRX
2812	S_ANH_AB	IFRX
2813	S_MB138	IFRY
2814	S_MB139	IFRY
2815	S_ANH_AB	IFRY
2816	S_MB138	IFRZ
2817	S_MB139	IFRZ
2818	S_ANH_AB	IFRZ
2819	S_ANH_AB	BKLINK
2820	S_ANH_AB	EXPKLINK
2823	WAS_AREA	PROBDEG
2824	REPOSIT	PROBDEG

Parameter ID	Material	Parameter
2825	REFCON	TC_H2
2826	REFCON	TC_CO2
2827	REFCON	TC_CH4
2828	REFCON	TC_N2
2829	REFCON	TC_H2S
2830	REFCON	TC_O2
2831	REFCON	ACF_H2
2832	REFCON	ACF_CO2
2833	REFCON	ACF_CH4
2834	REFCON	ACF_N2
2835	REFCON	ACF_H2S
2836	REFCON	ACF_O2
2837	REFCON	PC_H2
2838	REFCON	PC_CO2
2839	REFCON	PC_CH4
2840	REFCON	PC_N2
2841	REFCON	PC_H2S
2842	REFCON	PC_O2
2858	REFCON	MW_H2
2859	REFCON	MW_CO2
2860	REFCON	MW_CH4
2861	REFCON	MW_N2
2862	REFCON	MW_H2S
2863	REFCON	MW_O2
2864	REFCON	MW_H2O
2865	REFCON	MW_FE
2866	REFCON	MW_CH2O
2867	REFCON	MW_H2SO4
2868	REFCON	MW_HNO3
2869	REFCON	MW_FES2
2870	REFCON	MW_FECO3
2871	REFCON	MW_FEOH2
2872	REFCON	MW_FEOOH
2873	REFCON	MW_FE3O4
2874	REFCON	MW_FES
2875	REFCON	MW_CAO
2876	REFCON	MW_CAOH2
2877	REFCON	MW_CACO3
2878	REFCON	MW_NACL
2879	REFCON	BBLG
2880	REFCON	PASCP
2881	REFCON	FTM
2882	REFCON	DARM2
2883	REFCON	F3M3
2884	REFCON	GTI3
2885	REFCON	LBKG
2886	REFCON	KGLB
2887	REFCON	DAYSEC
2888	REFCON	YRSEC
2889	REFCON	GRAVACC
2890	REFCON	ATMPA

ID Number

Parameter ID	Material	Parameter
2891	REFCON	RTK
2892	REFCON	PSIPA
2893	REFCON	R
2894	REFCON	OMEGAA
2895	REFCON	OMEGAB
2896	REFCON	PI
2897	REFCON	AL2
2898	STEEL	STOIFX
2899	FORTYNIN	PRMX_LOG
2900	FORTYNIN	PRMY_LOG
2901	FORTYNIN	PRMZ_LOG
2902	S_MB138	EXPKLINK
2903	S_MB139	EXPKLINK
2904	S_MB138	BKLINK
2905	S_MB139	BKLINK
2906	NITRATE	QINIT
2907	STEEL	CORRMCO2
2908	STEEL	CORRWCO2
2909	SULFATE	QINIT
2910	STEEL	HUMCORR
2911	UNNAMED	PRMX_LOG
2912	UNNAMED	PRMY_LOG
2913	UNNAMED	PRMZ_LOG
2914	TAMARISK	PRMX_LOG
2915	TAMARISK	PRMY_LOG
2916	TAMARISK	PRMZ_LOG
2918	CASTILER	VOLUME
2919	CL_M_T4	RSH_AIR
2920	CL_M_T4	RSH_SAL
2921	CL_M_T4	RSH_WAS
2922	CL_M_T4	RSH_EXH
2923	CL_M_T4	RADN_DRZ
2924	CL_M_T5	RSH_AIR
2925	CL_M_T5	RSH_SAL
2926	CL_M_T5	RSH_WAS
2927	CL_M_T5	RSH_EXH
2928	CL_M_T5	RADN_DRZ
2929	ASPHALT	RSH_AIR
2930	ASPHALT	RSH_SAL
2931	ASPHALT	RSH_WAS
2932	ASPHALT	RSH_EXH
2933	ASPHALT	RADN_DRZ
2934	SALT_T1	RSH_AIR
2935	SALT_T1	RSH_SAL
2936	SALT_T1	RSH_WAS
2937	SALT_T1	RSH_EXH
2938	SALT_T1	RADN_DRZ
2939	SALT_T1	CUMPROB
2940	SALT_T1	PMLT_MD
2941	SALT_T1	PMLT_LO
2942	SALT_T1	PMLT_HI

Parameter ID	Material	Parameter
2943	SALT_T2	RSH_AIR
2944	SALT_T2	RSH_SAL
2945	SALT_T2	RSH_WAS
2946	SALT_T2	RSH_EXH
2947	SALT_T2	RADN_DRZ
2948	SALT_T2	PMLT_MD
2949	SALT_T2	PMLT_LO
2950	SALT_T2	PMLT_HI
2951	SALT_T3	RSH_AIR
2952	SALT_T3	RSH_SAL
2953	SALT_T3	RSH_WAS
2954	SALT_T3	RSH_EXH
2955	SALT_T3	RADN_DRZ
2956	SALT_T3	PMLT_MD
2957	SALT_T3	PMLT_LO
2958	SALT_T3	PMLT_HI
2959	SALT_T4	RSH_AIR
2960	SALT_T4	RSH_SAL
2961	SALT_T4	RSH_WAS
2962	SALT_T4	RSH_EXH
2963	SALT_T4	RADN_DRZ
2964	SALT_T4	PMLT_MD
2965	SALT_T4	PMLT_LO
2966	SALT_T4	PMLT_HI
2967	SALT_T5	RSH_AIR
2968	SALT_T5	RSH_SAL
2969	SALT_T5	RSH_WAS
2970	SALT_T5	RSH_EXH
2971	SALT_T5	RADN_DRZ
2972	SALT_T5	PMLT_MD
2973	SALT_T5	PMLT_LO
2974	SALT_T5	PMLT_HI
2975	SALT_T6	RSH_AIR
2976	SALT_T6	RSH_SAL
2977	SALT_T6	RSH_WAS
2978	SALT_T6	RSH_EXH
2979	SALT_T6	RADN_DRZ
2980	SALT_T6	PMLT_MD
2981	SALT_T6	PMLT_LO
2982	SALT_T6	PMLT_HI
2983	SALT_T6	CAP_MOD
2984	SALT_T6	COMP_RCK
2985	SALT_T6	KPT
2986	SALT_T6	PC_MAX
2987	SALT_T6	PCT_A
2988	SALT_T6	PCT_EXP
2989	SALT_T6	PORE_DIS
2990	SALT_T6	POROSITY
2991	SALT_T6	RELP_MOD
2992	SALT_T6	SAT_RBRN
2993	SALT_T6	SAT_RGAS

ID Number

Parameter ID	Material	Parameter
2994	CELLULS	FBETA
2995	REPOSIT	DPLSCRHW
2996	CLAY_RUS	RSH_AIR
2997	CLAY_RUS	RSH_SAL
2998	CLAY_RUS	RSH_WAS
2999	CLAY_RUS	RSH_EXH
3000	CLAY_RUS	CAP_MOD
3001	CLAY_RUS	COMP_RCK
3002	CLAY_RUS	KPT
3003	CLAY_RUS	PC_MAX
3004	CLAY_RUS	PCT_A
3005	CLAY_RUS	PCT_EXP
3006	CLAY_RUS	PORE_DIS
3007	CLAY_RUS	POROSITY
3008	CLAY_RUS	PRESSURE
3009	CLAY_RUS	PRMX_LOG
3010	CLAY_RUS	PRMY_LOG
3011	CLAY_RUS	PRMZ_LOG
3012	CLAY_RUS	RELP_MOD
3013	CLAY_RUS	SAT_IBRN
3014	CLAY_RUS	SAT_RBRN
3015	CLAY_RUS	SAT_RGAS
3016	MAGENTA	COMP_RCK
3017	CL_L_T1	RSH_AIR
3018	CL_L_T1	RSH_SAL
3019	CL_L_T1	RSH_WAS
3020	CL_L_T1	RSH_EXH
3021	CL_L_T1	RADN_DRZ
3022	CL_L_T2	RSH_AIR
3023	CL_L_T2	RSH_SAL
3024	CL_L_T2	RSH_WAS
3025	CL_L_T2	RSH_EXH
3026	CL_L_T2	RADN_DRZ
3027	CL_L_T3	RSH_AIR
3028	CL_L_T3	RSH_SAL
3029	CL_L_T3	RSH_WAS
3030	CL_L_T3	RSH_EXH
3031	CL_L_T3	RADN_DRZ
3032	EARTH	RSH_AIR
3033	EARTH	RSH_SAL
3034	EARTH	RSH_WAS
3035	EARTH	RSH_EXH
3036	CONC_T1	RSH_AIR
3037	CONC_T1	RSH_SAL
3038	CONC_T1	RSH_WAS
3039	CONC_T1	RSH_EXH
3040	CONC_T1	RADN_DRZ
3041	CONC_T2	RSH_AIR
3042	CONC_T2	RSH_SAL
3043	CONC_T2	RSH_WAS
3044	CONC_T2	RSH_EXH

Parameter ID	Material	Parameter
3045	CONC_T2	RADN_DRZ
3046	CONC_MON	RSH_AIR
3047	CONC_MON	RSH_SAL
3048	CONC_MON	RSH_WAS
3049	CONC_MON	RSH_EXH
3050	CONC_MON	RADN_DRZ
3051	CONC_MON	CAP_MOD
3052	CONC_MON	COMP_RCK
3053	CONC_MON	KPT
3054	CONC_MON	PC_MAX
3055	CONC_MON	PCT_A
3056	CONC_MON	PCT_EXP
3057	CONC_MON	PORE_DIS
3058	CONC_MON	POROSITY
3059	CONC_MON	PRMX_LOG
3060	CONC_MON	PRMY_LOG
3061	CONC_MON	PRMZ_LOG
3062	CONC_MON	RELP_MOD
3063	CONC_MON	SAT_RBRN
3064	CONC_MON	SAT_RGAS
3065	CL_L_T4	RSH_AIR
3066	CL_L_T4	RSH_SAL
3067	CL_L_T4	RSH_WAS
3068	CL_L_T4	RSH_EXH
3069	CL_L_T4	RADN_DRZ
3070	CL_L_T4	CAP_MOD
3071	CL_L_T4	COMP_RCK
3072	CL_L_T4	KPT
3073	CL_L_T4	PC_MAX
3074	CL_L_T4	PCT_A
3075	CL_L_T4	PCT_EXP
3076	CL_L_T4	PORE_DIS
3077	CL_L_T4	POROSITY
3078	CL_L_T4	PRMX_LOG
3079	CL_L_T4	PRMY_LOG
3080	CL_L_T4	PRMZ_LOG
3081	CL_L_T4	RELP_MOD
3082	CL_L_T4	SAT_RBRN
3083	CL_L_T4	SAT_RGAS
3084	CL_M_T1	RSH_AIR
3085	CL_M_T1	RSH_SAL
3086	CL_M_T1	RSH_WAS
3087	CL_M_T1	RSH_EXH
3088	CL_M_T1	RADN_DRZ
3089	CL_M_T2	RSH_AIR
3090	CL_M_T2	RSH_SAL
3091	CL_M_T2	RSH_WAS
3092	CL_M_T2	RSH_EXH
3093	CL_M_T2	RADN_DRZ
3094	CL_M_T3	RSH_AIR
3095	CL_M_T3	RSH_SAL

ID Number

Parameter ID	Material	Parameter
3096	CL_M_T3	RSH_WAS
3097	CL_M_T3	RSH_EXH
3098	CL_M_T3	RADN_DRZ
3099	CAVITY_1	SAT_IBRN
3100	CAVITY_2	SAT_IBRN
3101	CAVITY_3	PRESSURE
3102	CAVITY_3	SAT_IBRN
3103	CAVITY_4	PRESSURE
3104	CAVITY_4	SAT_IBRN
3105	REFCON	VROOM
3106	REFCON	ASDRUM
3107	REFCON	VPANLEX
3108	REFCON	VREPOS
3109	REFCON	AVOGADRO
3110	REFCON	ZCINK
3111	REFCON	CITOBQ
3112	REFCON	SECYR
3113	REFCON	ACTCONST
3114	CONC_MON	PRESSURE
3115	CONC_MON	SAT_IBRN
3116	DRZ_1	KPT
3120	BOREHOLE	PCT_A
3121	BOREHOLE	PCT_EXP
3122	BOREHOLE	KPT
3123	CL_L_T4	PO_MIN
3124	CONC_MON	PO_MIN
3125	SALT_T5	PO_MIN
3126	SALT_T6	PO_MIN
3128	DRZ_1	PCT_A
3129	DRZ_1	PCT_EXP
3131	CLAY_RUS	PO_MIN
3132	REFCON	DRROOM
3133	SHFT_DRZ	PRMX_LOG
3134	BH_OPEN	PRMX_LOG
3135	BH_OPEN	POROSITY
3136	BH_OPEN	COMP_RCK
3137	BH_OPEN	RELP_MOD
3138	BH_OPEN	CAP_MOD
3139	BH_OPEN	PC_MAX
3140	BH_OPEN	SAT_RBRN
3141	BH_OPEN	SAT_RGAS
3142	BH_OPEN	PORE_DIS
3143	BH_OPEN	PO_MIN
3144	BH_OPEN	KPT
3145	BH_OPEN	PCT_A
3146	BH_OPEN	PCT_EXP
3147	CONC_PLG	POROSITY
3148	CONC_PLG	COMP_RCK
3149	CONC_PLG	RELP_MOD
3150	CONC_PLG	CAP_MOD
3151	CONC_PLG	PC_MAX

Parameter ID	Material	Parameter
3152	CONC_PLG	SAT_RBRN
3153	CONC_PLG	SAT_RGAS
3154	CONC_PLG	PORE_DIS
3155	CONC_PLG	PO_MIN
3156	CONC_PLG	KPT
3157	CONC_PLG	PCT_A
3158	CONC_PLG	PCT_EXP
3159	BH_SAND	POROSITY
3160	BH_SAND	COMP_RCK
3161	BH_SAND	RELP_MOD
3162	BH_SAND	CAP_MOD
3163	BH_SAND	PC_MAX
3164	BH_SAND	SAT_RBRN
3165	BH_SAND	SAT_RGAS
3166	BH_SAND	PORE_DIS
3167	BH_SAND	PO_MIN
3168	BH_SAND	KPT
3169	BH_SAND	PCT_A
3170	BH_SAND	PCT_EXP
3171	BH_CREEP	POROSITY
3172	BH_CREEP	COMP_RCK
3173	BH_CREEP	RELP_MOD
3174	BH_CREEP	CAP_MOD
3175	BH_CREEP	PC_MAX
3176	BH_CREEP	SAT_RBRN
3177	BH_CREEP	SAT_RGAS
3178	BH_CREEP	PORE_DIS
3179	BH_CREEP	PO_MIN
3180	BH_CREEP	KPT
3181	BH_CREEP	PCT_A
3182	BH_CREEP	PCT_EXP
3183	BH_CREEP	PRMX_LOG
3184	BH_SAND	PRMX_LOG
3185	CONC_PLG	PRMX_LOG
3186	BH_OPEN	PRMY_LOG
3187	BH_OPEN	PRMZ_LOG
3188	BH_CREEP	PRMY_LOG
3189	BH_CREEP	PRMZ_LOG
3190	BH_SAND	PRMY_LOG
3191	BH_SAND	PRMZ_LOG
3192	CONC_PLG	PRMY_LOG
3193	CONC_PLG	PRMZ_LOG
3194	CASTILER	GRIDFLO
3196	TL207	ATWEIGHT
3197	PA234M	ATWEIGHT
3198	Y90	ATWEIGHT
3199	ZR90	ATWEIGHT
3200	PB211	ATWEIGHT
3201	PB212	ATWEIGHT
3202	PB214	ATWEIGHT
3203	PO212	ATWEIGHT

ID Number

Parameter ID	Material	Parameter
3204	PO213	ATWEIGHT
3205	PO214	ATWEIGHT
3206	PO215	ATWEIGHT
3207	PO216	ATWEIGHT
3208	PO218	ATWEIGHT
3209	RA223	ATWEIGHT
3210	RA224	ATWEIGHT
3211	RA225	ATWEIGHT
3212	RN219	ATWEIGHT
3213	RN220	ATWEIGHT
3214	RN222	ATWEIGHT
3215	SR90	ATWEIGHT
3216	TH227	ATWEIGHT
3217	TH228	ATWEIGHT
3218	TH231	ATWEIGHT
3219	TH234	ATWEIGHT
3220	AC225	ATWEIGHT
3221	AC227	ATWEIGHT
3222	AC228	ATWEIGHT
3223	AM243	ATWEIGHT
3224	AT217	ATWEIGHT
3225	BA137	ATWEIGHT
3226	BA137M	ATWEIGHT
3227	BI211	ATWEIGHT
3228	BI212	ATWEIGHT
3229	BI213	ATWEIGHT
3230	BI214	ATWEIGHT
3231	CM243	ATWEIGHT
3232	CM245	ATWEIGHT
3233	CM248	ATWEIGHT
3234	FR221	ATWEIGHT
3235	ND143	ATWEIGHT
3236	NP239	ATWEIGHT
3237	PA233	ATWEIGHT
3238	ASPHALT	DNSGRAIN
3239	BOREHOLE	INV_AR
3240	BOREHOLE	ROUGH
3241	BOREHOLE	PIPED
3242	BOREHOLE	COLDIA
3243	BOREHOLE	L2
3244	BOREHOLE	L1
3245	BLOWOUT	CEMENT
3246	BLOWOUT	PARTDIA
3247	BLOWOUT	RHOS
3248	BLOWOUT	ROOM
3249	BLOWOUT	RPANEL
3250	BLOWOUT	HREPO
3251	BLOWOUT	PSUF
3252	BLOWOUT	VISC
3253	BLOWOUT	RGAS
3254	BLOWOUT	KGAS

Parameter ID	Material	Parameter
3255	BLOWOUT	FSE
3256	BLOWOUT	FGE
3257	BLOWOUT	SUFTEN
3258	BLOWOUT	TREPO
3259	BLOWOUT	APORO
3260	BLOWOUT	INPORO
3261	BOREHOLE	RHW_AR
3262	SOLAM3	SOLSIM
3263	SOLAM3	SOLCIM
3264	SOLPU3	SOLCIM
3265	SOLPU3	SOLSIM
3266	SOLPU4	SOLSIM
3267	AC225	HALFLIFE
3268	AC227	HALFLIFE
3269	AC228	HALFLIFE
3270	AT217	HALFLIFE
3271	BA137	HALFLIFE
3272	BA137M	HALFLIFE
3273	BI211	HALFLIFE
3274	BI212	HALFLIFE
3275	BI213	HALFLIFE
3276	BI214	HALFLIFE
3277	CM243	HALFLIFE
3278	CM245	HALFLIFE
3279	FR221	HALFLIFE
3280	ND143	HALFLIFE
3281	NP239	HALFLIFE
3282	PA233	HALFLIFE
3283	PA234M	HALFLIFE
3284	PB209	HALFLIFE
3285	PB211	HALFLIFE
3286	PB212	HALFLIFE
3287	PB214	HALFLIFE
3288	PO212	HALFLIFE
3289	PO213	HALFLIFE
3290	PO214	HALFLIFE
3291	PO215	HALFLIFE
3292	PO216	HALFLIFE
3293	PO218	HALFLIFE
3294	RA223	HALFLIFE
3295	RA224	HALFLIFE
3296	RA225	HALFLIFE
3297	RN219	HALFLIFE
3298	RN220	HALFLIFE
3299	RN222	HALFLIFE
3300	TH227	HALFLIFE
3301	TH228	HALFLIFE
3302	TH231	HALFLIFE
3303	TH234	HALFLIFE
3304	TL207	HALFLIFE
3305	Y90	HALFLIFE

ID Number

Parameter ID	Material	Parameter
3306	ZR90	HALFLIFE
3307	U	CONCINT
3308	U	CAPMIC
3309	U	PROPMIC
3310	AM	CONCINT
3311	AM	PROPMIC
3312	NP	CONCINT
3313	NP	CAPMIC
3314	NP	PROPMIC
3315	PU	CAPMIC
3316	PU	CONCINT
3317	PU	PROPMIC
3318	TH	CAPMIC
3319	TH	CONCINT
3320	TH	PROPMIC
3321	AC225	EPAREL
3322	AC228	EPAREL
3323	AT217	EPAREL
3324	BA137	EPAREL
3325	BA137M	EPAREL
3326	BI211	EPAREL
3327	BI212	EPAREL
3328	BI213	EPAREL
3329	BI214	EPAREL
3330	CF252	EPAREL
3331	CM244	EPAREL
3332	FR221	EPAREL
3333	ND143	EPAREL
3334	NP239	EPAREL
3335	PA233	EPAREL
3336	PA234M	EPAREL
3337	PB209	EPAREL
3338	PB211	EPAREL
3339	PB212	EPAREL
3340	PB214	EPAREL
3341	PM147	EPAREL
3342	PO212	EPAREL
3343	PO213	EPAREL
3344	PO214	EPAREL
3345	PO215	EPAREL
3346	PO216	EPAREL
3347	PO218	EPAREL
3348	PU241	EPAREL
3349	RA223	EPAREL
3350	RA224	EPAREL
3351	RA225	EPAREL
3352	RA228	EPAREL
3353	RN219	EPAREL
3354	RN220	EPAREL
3355	RN222	EPAREL
3356	TH227	EPAREL

Parameter ID	Material	Parameter
3357	TH228	EPAREL
3358	TH231	EPAREL
3359	TH234	EPAREL
3360	TL207	EPAREL
3361	Y90	EPAREL
3362	ZR90	EPAREL
3363	AM241	EPAREL
3364	AC227	EPAREL
3365	AM243	EPAREL
3366	CM243	EPAREL
3367	CM245	EPAREL
3368	CM248	EPAREL
3369	CS137	EPAREL
3370	NP237	EPAREL
3371	PA231	EPAREL
3372	PB210	EPAREL
3373	PU238	EPAREL
3374	PU239	EPAREL
3375	PU240	EPAREL
3376	PU242	EPAREL
3377	PU244	EPAREL
3378	RA226	EPAREL
3379	SM147	EPAREL
3380	SR90	EPAREL
3381	TH229	EPAREL
3382	TH230	EPAREL
3383	TH232	EPAREL
3384	U233	EPAREL
3385	U234	EPAREL
3386	U235	EPAREL
3387	U236	EPAREL
3388	U238	EPAREL
3389	SOLPU4	SOLCIM
3390	SOLU4	SOLSIM
3391	SOLU6	SOLSIM
3392	SOLU6	SOLCIM
3393	SOLTH4	SOLSIM
3402	SOLMOD3	SOLCIM
3403	SOLMOD4	SOLCIM
3404	SOLMOD5	SOLCIM
3405	SOLMOD6	SOLCIM
3406	SOLMOD3	SOLSIM
3407	SOLMOD4	SOLSIM
3408	SOLMOD5	SOLSIM
3409	SOLMOD6	SOLSIM
3410	CM243	INVCHD
3411	CM243	INVRHD
3412	CM245	INVCHD
3413	CM245	INVRHD
3414	BOREHOLE	WUF
3415	AM243	INVCHD

ID Number

Parameter ID	Material	Parameter
3416	AM243	INVRHD
3417	GLOBAL	OXSTAT
3418	CULEBRA	MEA_STOR
3419	CULEBRA	MINP_FAC
3420	BLOWOUT	FCE
3421	PB209	ATWEIGHT
3429	PHUMOX3	PHUMCIM
3430	PHUMOX4	PHUMCIM
3431	PHUMOX5	PHUMCIM
3432	PHUMOX6	PHUMCIM
3433	PHUMOX3	PHUMSIM
3434	PHUMOX4	PHUMSIM
3435	PHUMOX5	PHUMSIM
3436	PHUMOX6	PHUMSIM
3437	TH	CONCMIN
3438	U	CONCMIN
3439	NP	CONCMIN
3440	PU	CONCMIN
3441	AM	CONCMIN
3442	PU+3	MD0
3443	PU+4	MD0
3444	AM+3	MD0
3446	U+4	MD0
3447	AM	CAPMIC
3448	U+6	MD0
3449	TH+4	MD0
3454	WAS_AREA	CLOSMOD
3455	REPOSIT	CLOSMOD
3456	BLOWOUT	RE_CAST
3457	AM	CAPHUM
3458	NP	CAPHUM
3459	PU	CAPHUM
3460	U	CAPHUM
3461	TH	CAPHUM
3462	CULEBRA	ETHICK

Parameter ID	Material	Parameter
3469	CULEBRA	SKIN_RES
3470	BLOWOUT	GAS_MIN
3471	BLOWOUT	MAXFLOW
3472	BLOWOUT	MINFLOW
3473	BLOWOUT	THCK_CAS
3474	CULEBRA	DTORT
3475	U+6	MKD_U
3476	NP+5	MKD_NP
3477	NP+4	MKD_NP
3478	TH+4	MKD_TH
3479	U+4	MKD_U
3480	PU+3	MKD_PU
3481	PU+4	MKD_PU
3482	AM+3	MKD_AM
3483	CULEBRA	DISP_L
3484	CULEBRA	DISPT_L
3485	CULEBRA	HMBLKLT
3486	CULEBRA	DPOROS
3487	CULEBRA	APOROS
3488	REFCON	AREA_ZRO
3489	REFCON	AREA_CH
3490	REFCON	VOLWP
3491	GLOBAL	TA
3492	REFCON	FVW
3493	GLOBAL	PBRINE
3494	GLOBAL	LAMBDAD
3495	GLOBAL	PLGPAT
3496	REFCON	AREA_RH
3497	GLOBAL	MINERT
3498	GLOBAL	TPICM
3499	GLOBAL	TPICD
3500	GLOBAL	FPICM
3501	GLOBAL	FPICD
3502	REFCON	HRH
3503	REFCON	ABERM

Appendix B2

**Parameter Cross Reference
by Material Name**

Material Name

Parameter ID	Material	Parameter
3220	AC225	ATWEIGHT
3321	AC225	EPAREL
3267	AC225	HALFLIFE
3221	AC227	ATWEIGHT
3364	AC227	EPAREL
3268	AC227	HALFLIFE
3222	AC228	ATWEIGHT
3322	AC228	EPAREL
3269	AC228	HALFLIFE
3457	AM	CAPHUM
3447	AM	CAPMIC
3310	AM	CONCINT
3441	AM	CONCMIN
3311	AM	PROPMIC
3444	AM+3	MD0
3482	AM+3	MKD_AM
2	AM241	ATWEIGHT
3363	AM241	EPAREL
3	AM241	HALFLIFE
4	AM241	INVCHD
5	AM241	INVRHD
3223	AM243	ATWEIGHT
3365	AM243	EPAREL
6	AM243	HALFLIFE
3415	AM243	INVCHD
3416	AM243	INVRHD
2276	ASPHALT	CAP_MOD
2277	ASPHALT	COMP_RCK
3238	ASPHALT	DNSGRAIN
2599	ASPHALT	KPT
2278	ASPHALT	PC_MAX
2600	ASPHALT	PCT_A
2601	ASPHALT	PCT_EXP
2281	ASPHALT	PO_MIN
2279	ASPHALT	PORE_DIS
2280	ASPHALT	POROSITY
2282	ASPHALT	PRESSURE
2283	ASPHALT	PRMX_LOG
2284	ASPHALT	PRMY_LOG
2285	ASPHALT	PRMZ_LOG
2933	ASPHALT	RADN_DRZ
2289	ASPHALT	RELP_MOD
2929	ASPHALT	RSH_AIR
2932	ASPHALT	RSH_EXH
2930	ASPHALT	RSH_SAL
2931	ASPHALT	RSH_WAS
2290	ASPHALT	SAT_IBRN
2291	ASPHALT	SAT_RBRN
2292	ASPHALT	SAT_RGAS
3224	AT217	ATWEIGHT
3323	AT217	EPAREL

Parameter ID	Material	Parameter
3270	AT217	HALFLIFE
3225	BA137	ATWEIGHT
3324	BA137	EPAREL
3271	BA137	HALFLIFE
3226	BA137M	ATWEIGHT
3325	BA137M	EPAREL
3272	BA137M	HALFLIFE
3174	BH_CREEP	CAP_MOD
3172	BH_CREEP	COMP_RCK
3180	BH_CREEP	KPT
3175	BH_CREEP	PC_MAX
3181	BH_CREEP	PCT_A
3182	BH_CREEP	PCT_EXP
3179	BH_CREEP	PO_MIN
3178	BH_CREEP	PORE_DIS
3171	BH_CREEP	POROSITY
3183	BH_CREEP	PRMX_LOG
3188	BH_CREEP	PRMY_LOG
3189	BH_CREEP	PRMZ_LOG
3173	BH_CREEP	RELP_MOD
3176	BH_CREEP	SAT_RBRN
3177	BH_CREEP	SAT_RGAS
3138	BH_OPEN	CAP_MOD
3136	BH_OPEN	COMP_RCK
3144	BH_OPEN	KPT
3139	BH_OPEN	PC_MAX
3145	BH_OPEN	PCT_A
3146	BH_OPEN	PCT_EXP
3143	BH_OPEN	PO_MIN
3142	BH_OPEN	PORE_DIS
3135	BH_OPEN	POROSITY
3134	BH_OPEN	PRMX_LOG
3186	BH_OPEN	PRMY_LOG
3187	BH_OPEN	PRMZ_LOG
3137	BH_OPEN	RELP_MOD
3140	BH_OPEN	SAT_RBRN
3141	BH_OPEN	SAT_RGAS
3162	BH_SAND	CAP_MOD
3160	BH_SAND	COMP_RCK
3168	BH_SAND	KPT
3163	BH_SAND	PC_MAX
3169	BH_SAND	PCT_A
3170	BH_SAND	PCT_EXP
3167	BH_SAND	PO_MIN
3166	BH_SAND	PORE_DIS
3159	BH_SAND	POROSITY
3184	BH_SAND	PRMX_LOG
3190	BH_SAND	PRMY_LOG
3191	BH_SAND	PRMZ_LOG
3161	BH_SAND	RELP_MOD
3164	BH_SAND	SAT_RBRN

Material Name

Parameter ID	Material	Parameter
3165	BH_SAND	SAT_RGAS
3227	BI211	ATWEIGHT
3326	BI211	EPAREL
3273	BI211	HALFLIFE
3228	BI212	ATWEIGHT
3327	BI212	EPAREL
3274	BI212	HALFLIFE
3229	BI213	ATWEIGHT
3328	BI213	EPAREL
3275	BI213	HALFLIFE
3230	BI214	ATWEIGHT
3329	BI214	EPAREL
3276	BI214	HALFLIFE
3259	BLOWOUT	APORO
3245	BLOWOUT	CEMENT
3420	BLOWOUT	FCE
3256	BLOWOUT	FGE
3255	BLOWOUT	FSE
3470	BLOWOUT	GAS_MIN
3250	BLOWOUT	HREPO
3260	BLOWOUT	INPORO
3254	BLOWOUT	KGAS
3471	BLOWOUT	MAXFLOW
3472	BLOWOUT	MINFLOW
3246	BLOWOUT	PARTDIA
3251	BLOWOUT	PSUF
3456	BLOWOUT	RE_CAST
3253	BLOWOUT	RGAS
3247	BLOWOUT	RHOS
3248	BLOWOUT	ROOM
3249	BLOWOUT	RPANEL
3257	BLOWOUT	SUFTEN
3473	BLOWOUT	THCK_CAS
3258	BLOWOUT	TREPO
3252	BLOWOUT	VISC
23	BOREHOLE	CAP_MOD
3242	BOREHOLE	COLDIA
25	BOREHOLE	COMP_RCK
26	BOREHOLE	DIAMMOD
27	BOREHOLE	OMEGA
3239	BOREHOLE	INV_AR
3122	BOREHOLE	KPT
3244	BOREHOLE	L1
3243	BOREHOLE	L2
29	BOREHOLE	PC_MAX
3120	BOREHOLE	PCT_A
3121	BOREHOLE	PCT_EXP
3241	BOREHOLE	PIPED
32	BOREHOLE	PO_MIN
30	BOREHOLE	PORE_DIS
31	BOREHOLE	POROSITY

Parameter ID	Material	Parameter
33	BOREHOLE	PRESSURE
34	BOREHOLE	PRMX_LOG
35	BOREHOLE	PRMY_LOG
36	BOREHOLE	PRMZ_LOG
38	BOREHOLE	PTINDEX
40	BOREHOLE	RELP_MOD
3261	BOREHOLE	RHW_AR
3240	BOREHOLE	ROUGH
41	BOREHOLE	SAT_RBRN
42	BOREHOLE	SAT_RGAS
2254	BOREHOLE	TAUFALL
3414	BOREHOLE	WUF
43	BRINECST	COMPRES
44	BRINECST	DNSFLUID
48	BRINESAL	COMPRES
49	BRINESAL	DNSFLUID
50	BRINESAL	REF_PRES
51	BRINESAL	REF_TEMP
52	BRINESAL	RSLOPE
55	BRINESAL	VISCO
57	BRINESAL	WTF
58	CASTILER	AREA_FRC
60	CASTILER	CAP_MOD
61	CASTILER	COMP_RCK
3194	CASTILER	GRIDFLO
2608	CASTILER	KPT
62	CASTILER	PC_MAX
2609	CASTILER	PCT_A
2610	CASTILER	PCT_EXP
65	CASTILER	PO_MIN
63	CASTILER	PORE_DIS
64	CASTILER	POROSITY
66	CASTILER	PRESSURE
67	CASTILER	PRMX_LOG
68	CASTILER	PRMY_LOG
69	CASTILER	PRMZ_LOG
72	CASTILER	RELP_MOD
73	CASTILER	SAT_IBRN
74	CASTILER	SAT_RBRN
75	CASTILER	SAT_RGAS
2918	CASTILER	VOLUME
76	CAVITY_1	CAP_MOD
77	CAVITY_1	COMP_RCK
2612	CAVITY_1	KPT
78	CAVITY_1	PC_MAX
2613	CAVITY_1	PCT_A
2614	CAVITY_1	PCT_EXP
81	CAVITY_1	PO_MIN
79	CAVITY_1	PORE_DIS
80	CAVITY_1	POROSITY
82	CAVITY_1	PRESSURE

Material Name

Parameter ID	Material	Parameter
83	CAVITY_1	PRMX_LOG
84	CAVITY_1	PRMY_LOG
85	CAVITY_1	PRMZ_LOG
88	CAVITY_1	RELP_MOD
3099	CAVITY_1	SAT_IBRN
89	CAVITY_1	SAT_RBRN
90	CAVITY_1	SAT_RGAS
91	CAVITY_2	CAP_MOD
92	CAVITY_2	COMP_RCK
2616	CAVITY_2	KPT
93	CAVITY_2	PC_MAX
2617	CAVITY_2	PCT_A
2618	CAVITY_2	PCT_EXP
96	CAVITY_2	PO_MIN
94	CAVITY_2	PORE_DIS
95	CAVITY_2	POROSITY
97	CAVITY_2	PRESSURE
98	CAVITY_2	PRMX_LOG
99	CAVITY_2	PRMY_LOG
100	CAVITY_2	PRMZ_LOG
103	CAVITY_2	RELP_MOD
3100	CAVITY_2	SAT_IBRN
104	CAVITY_2	SAT_RBRN
105	CAVITY_2	SAT_RGAS
2049	CAVITY_3	CAP_MOD
2051	CAVITY_3	COMP_RCK
2620	CAVITY_3	KPT
2234	CAVITY_3	PC_MAX
2621	CAVITY_3	PCT_A
2622	CAVITY_3	PCT_EXP
2623	CAVITY_3	PO_MIN
2052	CAVITY_3	PORE_DIS
2053	CAVITY_3	POROSITY
3101	CAVITY_3	PRESSURE
2054	CAVITY_3	PRMX_LOG
2055	CAVITY_3	PRMY_LOG
2056	CAVITY_3	PRMZ_LOG
2058	CAVITY_3	RELP_MOD
3102	CAVITY_3	SAT_IBRN
2235	CAVITY_3	SAT_RBRN
2059	CAVITY_3	SAT_RGAS
2060	CAVITY_4	CAP_MOD
2062	CAVITY_4	COMP_RCK
2625	CAVITY_4	KPT
2236	CAVITY_4	PC_MAX
2626	CAVITY_4	PCT_A
2627	CAVITY_4	PCT_EXP
2628	CAVITY_4	PO_MIN
2063	CAVITY_4	PORE_DIS
2064	CAVITY_4	POROSITY
3103	CAVITY_4	PRESSURE

Parameter ID	Material	Parameter
2065	CAVITY_4	PRMX_LOG
2066	CAVITY_4	PRMY_LOG
2067	CAVITY_4	PRMZ_LOG
2069	CAVITY_4	RELP_MOD
3104	CAVITY_4	SAT_IBRN
2237	CAVITY_4	SAT_RBRN
2070	CAVITY_4	SAT_RGAS
2994	CELLULS	FBETA
838	CF	LOGSOLM
106	CF252	ATWEIGHT
3330	CF252	EPAREL
107	CF252	HALFLIFE
108	CF252	INVCHD
109	CF252	INVRHD
2327	CL_L_T1	CAP_MOD
2328	CL_L_T1	COMP_RCK
2641	CL_L_T1	KPT
2329	CL_L_T1	PC_MAX
2642	CL_L_T1	PCT_A
2643	CL_L_T1	PCT_EXP
2332	CL_L_T1	PO_MIN
2330	CL_L_T1	PORE_DIS
2331	CL_L_T1	POROSITY
2333	CL_L_T1	PRESSURE
2334	CL_L_T1	PRMX_LOG
2335	CL_L_T1	PRMY_LOG
2336	CL_L_T1	PRMZ_LOG
3021	CL_L_T1	RADN_DRZ
2340	CL_L_T1	RELP_MOD
3017	CL_L_T1	RSH_AIR
3020	CL_L_T1	RSH_EXH
3018	CL_L_T1	RSH_SAL
3019	CL_L_T1	RSH_WAS
2341	CL_L_T1	SAT_IBRN
2342	CL_L_T1	SAT_RBRN
2343	CL_L_T1	SAT_RGAS
2344	CL_L_T2	CAP_MOD
2345	CL_L_T2	COMP_RCK
2646	CL_L_T2	KPT
2346	CL_L_T2	PC_MAX
2647	CL_L_T2	PCT_A
2648	CL_L_T2	PCT_EXP
2349	CL_L_T2	PO_MIN
2347	CL_L_T2	PORE_DIS
2348	CL_L_T2	POROSITY
2351	CL_L_T2	PRMX_LOG
2352	CL_L_T2	PRMY_LOG
2353	CL_L_T2	PRMZ_LOG
3026	CL_L_T2	RADN_DRZ
2357	CL_L_T2	RELP_MOD
3022	CL_L_T2	RSH_AIR

Material Name

Parameter ID	Material	Parameter
3025	CL_L_T2	RSH_EXH
3023	CL_L_T2	RSH_SAL
3024	CL_L_T2	RSH_WAS
2359	CL_L_T2	SAT_RBRN
2360	CL_L_T2	SAT_RGAS
2361	CL_L_T3	CAP_MOD
2362	CL_L_T3	COMP_RCK
2651	CL_L_T3	KPT
2363	CL_L_T3	PC_MAX
2652	CL_L_T3	PCT_A
2653	CL_L_T3	PCT_EXP
2366	CL_L_T3	PO_MIN
2364	CL_L_T3	PORE_DIS
2365	CL_L_T3	POROSITY
2368	CL_L_T3	PRMX_LOG
2369	CL_L_T3	PRMY_LOG
2370	CL_L_T3	PRMZ_LOG
3031	CL_L_T3	RADN_DRZ
2374	CL_L_T3	RELP_MOD
3027	CL_L_T3	RSH_AIR
3030	CL_L_T3	RSH_EXH
3028	CL_L_T3	RSH_SAL
3029	CL_L_T3	RSH_WAS
2376	CL_L_T3	SAT_RBRN
2377	CL_L_T3	SAT_RGAS
3070	CL_L_T4	CAP_MOD
3071	CL_L_T4	COMP_RCK
3072	CL_L_T4	KPT
3073	CL_L_T4	PC_MAX
3074	CL_L_T4	PCT_A
3075	CL_L_T4	PCT_EXP
3123	CL_L_T4	PO_MIN
3076	CL_L_T4	PORE_DIS
3077	CL_L_T4	POROSITY
3078	CL_L_T4	PRMX_LOG
3079	CL_L_T4	PRMY_LOG
3080	CL_L_T4	PRMZ_LOG
3069	CL_L_T4	RADN_DRZ
3081	CL_L_T4	RELP_MOD
3065	CL_L_T4	RSH_AIR
3068	CL_L_T4	RSH_EXH
3066	CL_L_T4	RSH_SAL
3067	CL_L_T4	RSH_WAS
3082	CL_L_T4	SAT_RBRN
3083	CL_L_T4	SAT_RGAS
2378	CL_M_T1	CAP_MOD
2379	CL_M_T1	COMP_RCK
2656	CL_M_T1	KPT
2380	CL_M_T1	PC_MAX
2657	CL_M_T1	PCT_A
2658	CL_M_T1	PCT_EXP

Parameter ID	Material	Parameter
2383	CL_M_T1	PO_MIN
2381	CL_M_T1	PORE_DIS
2382	CL_M_T1	POROSITY
2384	CL_M_T1	PRESSURE
2385	CL_M_T1	PRMX_LOG
2386	CL_M_T1	PRMY_LOG
2387	CL_M_T1	PRMZ_LOG
3088	CL_M_T1	RADN_DRZ
2391	CL_M_T1	RELP_MOD
3084	CL_M_T1	RSH_AIR
3087	CL_M_T1	RSH_EXH
3085	CL_M_T1	RSH_SAL
3086	CL_M_T1	RSH_WAS
2392	CL_M_T1	SAT_IBRN
2393	CL_M_T1	SAT_RBRN
2394	CL_M_T1	SAT_RGAS
2395	CL_M_T2	CAP_MOD
2396	CL_M_T2	COMP_RCK
2661	CL_M_T2	KPT
2397	CL_M_T2	PC_MAX
2662	CL_M_T2	PCT_A
2663	CL_M_T2	PCT_EXP
2400	CL_M_T2	PO_MIN
2398	CL_M_T2	PORE_DIS
2399	CL_M_T2	POROSITY
2402	CL_M_T2	PRMX_LOG
2403	CL_M_T2	PRMY_LOG
2404	CL_M_T2	PRMZ_LOG
3093	CL_M_T2	RADN_DRZ
2408	CL_M_T2	RELP_MOD
3089	CL_M_T2	RSH_AIR
3092	CL_M_T2	RSH_EXH
3090	CL_M_T2	RSH_SAL
3091	CL_M_T2	RSH_WAS
2410	CL_M_T2	SAT_RBRN
2411	CL_M_T2	SAT_RGAS
2412	CL_M_T3	CAP_MOD
2413	CL_M_T3	COMP_RCK
2666	CL_M_T3	KPT
2414	CL_M_T3	PC_MAX
2667	CL_M_T3	PCT_A
2668	CL_M_T3	PCT_EXP
2417	CL_M_T3	PO_MIN
2415	CL_M_T3	PORE_DIS
2416	CL_M_T3	POROSITY
2419	CL_M_T3	PRMX_LOG
2420	CL_M_T3	PRMY_LOG
2421	CL_M_T3	PRMZ_LOG
3098	CL_M_T3	RADN_DRZ
2425	CL_M_T3	RELP_MOD
3094	CL_M_T3	RSH_AIR

Material Name

Parameter ID	Material	Parameter
3097	CL_M_T3	RSH_EXH
3095	CL_M_T3	RSH_SAL
3096	CL_M_T3	RSH_WAS
2427	CL_M_T3	SAT_RBRN
2428	CL_M_T3	SAT_RGAS
2429	CL_M_T4	CAP_MOD
2430	CL_M_T4	COMP_RCK
2671	CL_M_T4	KPT
2431	CL_M_T4	PC_MAX
2672	CL_M_T4	PCT_A
2673	CL_M_T4	PCT_EXP
2434	CL_M_T4	PO_MIN
2432	CL_M_T4	PORE_DIS
2433	CL_M_T4	POROSITY
2436	CL_M_T4	PRMX_LOG
2437	CL_M_T4	PRMY_LOG
2438	CL_M_T4	PRMZ_LOG
2923	CL_M_T4	RADN_DRZ
2442	CL_M_T4	RELP_MOD
2919	CL_M_T4	RSH_AIR
2922	CL_M_T4	RSH_EXH
2920	CL_M_T4	RSH_SAL
2921	CL_M_T4	RSH_WAS
2444	CL_M_T4	SAT_RBRN
2445	CL_M_T4	SAT_RGAS
2446	CL_M_T5	CAP_MOD
2447	CL_M_T5	COMP_RCK
2676	CL_M_T5	KPT
2448	CL_M_T5	PC_MAX
2677	CL_M_T5	PCT_A
2678	CL_M_T5	PCT_EXP
2451	CL_M_T5	PO_MIN
2449	CL_M_T5	PORE_DIS
2450	CL_M_T5	POROSITY
2453	CL_M_T5	PRMX_LOG
2454	CL_M_T5	PRMY_LOG
2455	CL_M_T5	PRMZ_LOG
2928	CL_M_T5	RADN_DRZ
2459	CL_M_T5	RELP_MOD
2924	CL_M_T5	RSH_AIR
2927	CL_M_T5	RSH_EXH
2925	CL_M_T5	RSH_SAL
2926	CL_M_T5	RSH_WAS
2461	CL_M_T5	SAT_RBRN
2462	CL_M_T5	SAT_RGAS
2310	CLAY_BOT	CAP_MOD
2311	CLAY_BOT	COMP_RCK
2636	CLAY_BOT	KPT
2312	CLAY_BOT	PC_MAX
2637	CLAY_BOT	PCT_A
2638	CLAY_BOT	PCT_EXP

Parameter ID	Material	Parameter
2315	CLAY_BOT	PO_MIN
2313	CLAY_BOT	PORE_DIS
2314	CLAY_BOT	POROSITY
2316	CLAY_BOT	PRESSURE
2317	CLAY_BOT	PRMX_LOG
2318	CLAY_BOT	PRMY_LOG
2319	CLAY_BOT	PRMZ_LOG
2323	CLAY_BOT	RELP_MOD
2324	CLAY_BOT	SAT_IBRN
2325	CLAY_BOT	SAT_RBRN
2326	CLAY_BOT	SAT_RGAS
3000	CLAY_RUS	CAP_MOD
3001	CLAY_RUS	COMP_RCK
3002	CLAY_RUS	KPT
3003	CLAY_RUS	PC_MAX
3004	CLAY_RUS	PCT_A
3005	CLAY_RUS	PCT_EXP
3131	CLAY_RUS	PO_MIN
3006	CLAY_RUS	PORE_DIS
3007	CLAY_RUS	POROSITY
3008	CLAY_RUS	PRESSURE
3009	CLAY_RUS	PRMX_LOG
3010	CLAY_RUS	PRMY_LOG
3011	CLAY_RUS	PRMZ_LOG
3012	CLAY_RUS	RELP_MOD
2996	CLAY_RUS	RSH_AIR
2999	CLAY_RUS	RSH_EXH
2997	CLAY_RUS	RSH_SAL
2998	CLAY_RUS	RSH_WAS
3013	CLAY_RUS	SAT_IBRN
3014	CLAY_RUS	SAT_RBRN
3015	CLAY_RUS	SAT_RGAS
3231	CM243	ATWEIGHT
3366	CM243	EPAREL
3277	CM243	HALFLIFE
3410	CM243	INVCHD
3411	CM243	INVRHD
110	CM244	ATWEIGHT
3331	CM244	EPAREL
111	CM244	HALFLIFE
112	CM244	INVCHD
113	CM244	INVRHD
3232	CM245	ATWEIGHT
3367	CM245	EPAREL
3278	CM245	HALFLIFE
3412	CM245	INVCHD
3413	CM245	INVRHD
3233	CM248	ATWEIGHT
3368	CM248	EPAREL
115	CM248	HALFLIFE
2265	CM248	INVCHD

Material Name

Parameter ID	Material	Parameter
2266	CM248	INVRHD
3051	CONC_MON	CAP_MOD
3052	CONC_MON	COMP_RCK
3053	CONC_MON	KPT
3054	CONC_MON	PC_MAX
3055	CONC_MON	PCT_A
3056	CONC_MON	PCT_EXP
3124	CONC_MON	PO_MIN
3057	CONC_MON	PORE_DIS
3058	CONC_MON	POROSITY
3114	CONC_MON	PRESSURE
3059	CONC_MON	PRMX_LOG
3060	CONC_MON	PRMY_LOG
3061	CONC_MON	PRMZ_LOG
3050	CONC_MON	RADN_DRZ
3062	CONC_MON	RELP_MOD
3046	CONC_MON	RSH_AIR
3049	CONC_MON	RSH_EXH
3047	CONC_MON	RSH_SAL
3048	CONC_MON	RSH_WAS
3115	CONC_MON	SAT_IBRN
3063	CONC_MON	SAT_RBRN
3064	CONC_MON	SAT_RGAS
3150	CONC_PLG	CAP_MOD
3148	CONC_PLG	COMP_RCK
3156	CONC_PLG	KPT
3151	CONC_PLG	PC_MAX
3157	CONC_PLG	PCT_A
3158	CONC_PLG	PCT_EXP
3155	CONC_PLG	PO_MIN
3154	CONC_PLG	PORE_DIS
3147	CONC_PLG	POROSITY
3185	CONC_PLG	PRMX_LOG
3192	CONC_PLG	PRMY_LOG
3193	CONC_PLG	PRMZ_LOG
3149	CONC_PLG	RELP_MOD
3152	CONC_PLG	SAT_RBRN
3153	CONC_PLG	SAT_RGAS
2463	CONC_T1	CAP_MOD
2464	CONC_T1	COMP_RCK
2681	CONC_T1	KPT
2465	CONC_T1	PC_MAX
2682	CONC_T1	PCT_A
2683	CONC_T1	PCT_EXP
2468	CONC_T1	PO_MIN
2466	CONC_T1	PORE_DIS
2467	CONC_T1	POROSITY
2469	CONC_T1	PRESSURE
2470	CONC_T1	PRMX_LOG
2471	CONC_T1	PRMY_LOG
2472	CONC_T1	PRMZ_LOG

Parameter ID	Material	Parameter
3040	CONC_T1	RADN_DRZ
2476	CONC_T1	RELP_MOD
3036	CONC_T1	RSH_AIR
3039	CONC_T1	RSH_EXH
3037	CONC_T1	RSH_SAL
3038	CONC_T1	RSH_WAS
2477	CONC_T1	SAT_IBRN
2478	CONC_T1	SAT_RBRN
2479	CONC_T1	SAT_RGAS
2480	CONC_T2	CAP_MOD
2481	CONC_T2	COMP_RCK
2686	CONC_T2	KPT
2482	CONC_T2	PC_MAX
2687	CONC_T2	PCT_A
2688	CONC_T2	PCT_EXP
2808	CONC_T2	PO_MIN
2483	CONC_T2	PORE_DIS
2484	CONC_T2	POROSITY
2485	CONC_T2	PRESSURE
2486	CONC_T2	PRMX_LOG
2487	CONC_T2	PRMY_LOG
2488	CONC_T2	PRMZ_LOG
3045	CONC_T2	RADN_DRZ
2492	CONC_T2	RELP_MOD
3041	CONC_T2	RSH_AIR
3044	CONC_T2	RSH_EXH
3042	CONC_T2	RSH_SAL
3043	CONC_T2	RSH_WAS
2493	CONC_T2	SAT_IBRN
2494	CONC_T2	SAT_RBRN
2495	CONC_T2	SAT_RGAS
841	CS	LOGSOLM
116	CS137	ATWEIGHT
3369	CS137	EPAREL
117	CS137	HALFLIFE
2037	CS137	INVCHD
118	CS137	INVRHD
3487	CULEBRA	APOROS
119	CULEBRA	CAP_MOD
120	CULEBRA	COMP_RCK
3483	CULEBRA	DISP_L
3484	CULEBRA	DISPT_L
843	CULEBRA	DNSGRAIN
3486	CULEBRA	DPOROS
3474	CULEBRA	DTORT
3462	CULEBRA	ETHICK
123	CULEBRA	FRCTRIDX
861	CULEBRA	FTORT
3485	CULEBRA	HMBLKL
2691	CULEBRA	KPT
3418	CULEBRA	MEA_STOR

Material Name

Parameter ID	Material	Parameter
3419	CULEBRA	MINP_FAC
137	CULEBRA	PC_MAX
2692	CULEBRA	PCT_A
2693	CULEBRA	PCT_EXP
141	CULEBRA	PO_MIN
139	CULEBRA	PORE_DIS
140	CULEBRA	POROSITY
142	CULEBRA	PRESSURE
143	CULEBRA	PRMX_LOG
144	CULEBRA	PRMY_LOG
145	CULEBRA	PRMZ_LOG
148	CULEBRA	REL_P_MOD
149	CULEBRA	SAT_IBRN
150	CULEBRA	SAT_RBRN
151	CULEBRA	SAT_RGAS
3469	CULEBRA	SKIN_RES
2071	CULEBRA	THICK
153	DEWYLAKE	CAP_MOD
154	DEWYLAKE	COMP_RCK
2696	DEWYLAKE	KPT
156	DEWYLAKE	PC_MAX
2697	DEWYLAKE	PCT_A
2698	DEWYLAKE	PCT_EXP
159	DEWYLAKE	PO_MIN
157	DEWYLAKE	PORE_DIS
158	DEWYLAKE	POROSITY
160	DEWYLAKE	PRESSURE
161	DEWYLAKE	PRMX_LOG
162	DEWYLAKE	PRMY_LOG
163	DEWYLAKE	PRMZ_LOG
166	DEWYLAKE	REL_P_MOD
167	DEWYLAKE	SAL_USAT
168	DEWYLAKE	SAT_IBRN
169	DEWYLAKE	SAT_RBRN
170	DEWYLAKE	SAT_RGAS
171	DRILLMUD	DNSFLUID
172	DRILLMUD	VISCO
173	DRILLMUD	YLDSTRSS
174	DRZ_0	CAP_MOD
175	DRZ_0	COMP_RCK
2701	DRZ_0	KPT
944	DRZ_0	MDISP_L
945	DRZ_0	MDISP_T
176	DRZ_0	PC_MAX
2702	DRZ_0	PCT_A
2703	DRZ_0	PCT_EXP
179	DRZ_0	PO_MIN
177	DRZ_0	PORE_DIS
178	DRZ_0	POROSITY
181	DRZ_0	PRMX_LOG
182	DRZ_0	PRMY_LOG

Parameter ID	Material	Parameter
183	DRZ_0	PRMZ_LOG
186	DRZ_0	REL_P_MOD
187	DRZ_0	SAT_IBRN
188	DRZ_0	SAT_RBRN
189	DRZ_0	SAT_RGAS
962	DRZ_0	TORTUSTY
190	DRZ_1	CAP_MOD
191	DRZ_1	COMP_RCK
3116	DRZ_1	KPT
193	DRZ_1	PC_MAX
3128	DRZ_1	PCT_A
3129	DRZ_1	PCT_EXP
196	DRZ_1	PO_MIN
194	DRZ_1	PORE_DIS
195	DRZ_1	POROSITY
198	DRZ_1	PRMX_LOG
199	DRZ_1	PRMY_LOG
200	DRZ_1	PRMZ_LOG
203	DRZ_1	REL_P_MOD
205	DRZ_1	SAT_RBRN
206	DRZ_1	SAT_RGAS
2496	EARTH	CAP_MOD
2497	EARTH	COMP_RCK
2706	EARTH	KPT
2498	EARTH	PC_MAX
2707	EARTH	PCT_A
2708	EARTH	PCT_EXP
2501	EARTH	PO_MIN
2499	EARTH	PORE_DIS
2500	EARTH	POROSITY
2502	EARTH	PRESSURE
2503	EARTH	PRMX_LOG
2504	EARTH	PRMY_LOG
2505	EARTH	PRMZ_LOG
2509	EARTH	REL_P_MOD
3032	EARTH	RSH_AIR
3035	EARTH	RSH_EXH
3033	EARTH	RSH_SAL
3034	EARTH	RSH_WAS
2510	EARTH	SAT_IBRN
2511	EARTH	SAT_RBRN
2512	EARTH	SAT_RGAS
207	EXP_AREA	CAP_MOD
208	EXP_AREA	COMP_RCK
2711	EXP_AREA	KPT
209	EXP_AREA	PC_MAX
2712	EXP_AREA	PCT_A
2713	EXP_AREA	PCT_EXP
212	EXP_AREA	PO_MIN
210	EXP_AREA	PORE_DIS
211	EXP_AREA	POROSITY

Material Name

Parameter ID	Material	Parameter
213	EXP_AREA	PRESSURE
214	EXP_AREA	PRMX_LOG
215	EXP_AREA	PRMY_LOG
216	EXP_AREA	PRMZ_LOG
219	EXP_AREA	RELP_MOD
220	EXP_AREA	SAT_IBRN
221	EXP_AREA	SAT_RBRN
222	EXP_AREA	SAT_RGAS
2085	FORTYNIN	CAP_MOD
2238	FORTYNIN	COMP_RCK
2715	FORTYNIN	KPT
2239	FORTYNIN	PC_MAX
2716	FORTYNIN	PCT_A
2717	FORTYNIN	PCT_EXP
2718	FORTYNIN	PO_MIN
2087	FORTYNIN	PORE_DIS
2088	FORTYNIN	POROSITY
2899	FORTYNIN	PRMX_LOG
2900	FORTYNIN	PRMY_LOG
2901	FORTYNIN	PRMZ_LOG
2093	FORTYNIN	RELP_MOD
2240	FORTYNIN	SAT_RBRN
2094	FORTYNIN	SAT_RGAS
3234	FR221	ATWEIGHT
3332	FR221	EPAREL
3279	FR221	HALFLIFE
223	GLOBAL	CLIMTIDX
3501	GLOBAL	FPICD
3500	GLOBAL	FPICM
3494	GLOBAL	LAMBDAD
3497	GLOBAL	MINERT
3417	GLOBAL	OXSTAT
3493	GLOBAL	PBRINE
3495	GLOBAL	PLGPAT
3491	GLOBAL	TA
3499	GLOBAL	TPICD
3498	GLOBAL	TPICM
225	GLOBAL	TRANSIDX
228	H2	VISCO
229	IMPERM_Z	CAP_MOD
230	IMPERM_Z	COMP_RCK
2720	IMPERM_Z	KPT
231	IMPERM_Z	PC_MAX
2721	IMPERM_Z	PCT_A
2722	IMPERM_Z	PCT_EXP
234	IMPERM_Z	PO_MIN
232	IMPERM_Z	PORE_DIS
233	IMPERM_Z	POROSITY
236	IMPERM_Z	PRMX_LOG
237	IMPERM_Z	PRMY_LOG
238	IMPERM_Z	PRMZ_LOG

Parameter ID	Material	Parameter
241	IMPERM_Z	RELP_MOD
243	IMPERM_Z	SAT_RBRN
244	IMPERM_Z	SAT_RGAS
2097	MAGENTA	CAP_MOD
3016	MAGENTA	COMP_RCK
2725	MAGENTA	KPT
2098	MAGENTA	PC_MAX
2726	MAGENTA	PCT_A
2727	MAGENTA	PCT_EXP
2728	MAGENTA	PO_MIN
2099	MAGENTA	PORE_DIS
2100	MAGENTA	POROSITY
2101	MAGENTA	PRESSURE
2102	MAGENTA	PRMX_LOG
2103	MAGENTA	PRMY_LOG
2104	MAGENTA	PRMZ_LOG
2106	MAGENTA	RELP_MOD
2241	MAGENTA	SAT_RBRN
2107	MAGENTA	SAT_RGAS
2109	MAGENTA	THICK
3235	ND143	ATWEIGHT
3333	ND143	EPAREL
3280	ND143	HALFLIFE
2906	NITRATE	QINIT
3458	NP	CAPHUM
3313	NP	CAPMIC
3312	NP	CONCINT
3439	NP	CONCMIN
3314	NP	PROPMIC
3477	NP+4	MKD_NP
3476	NP+5	MKD_NP
246	NP237	ATWEIGHT
3370	NP237	EPAREL
247	NP237	HALFLIFE
248	NP237	INVCHD
249	NP237	INVRHD
3236	NP239	ATWEIGHT
3334	NP239	EPAREL
3281	NP239	HALFLIFE
7	OPS_AREA	CAP_MOD
8	OPS_AREA	COMP_RCK
2604	OPS_AREA	KPT
9	OPS_AREA	PC_MAX
2605	OPS_AREA	PCT_A
2606	OPS_AREA	PCT_EXP
12	OPS_AREA	PO_MIN
10	OPS_AREA	PORE_DIS
11	OPS_AREA	POROSITY
13	OPS_AREA	PRESSURE
14	OPS_AREA	PRMX_LOG
15	OPS_AREA	PRMY_LOG

Material Name

Parameter ID	Material	Parameter
16	OPS_AREA	PRMZ_LOG
19	OPS_AREA	RELP_MOD
20	OPS_AREA	SAT_IBRN
21	OPS_AREA	SAT_RBRN
22	OPS_AREA	SAT_RGAS
250	PA231	ATWEIGHT
3371	PA231	EPAREL
251	PA231	HALFLIFE
2267	PA231	INVCHD
2268	PA231	INVRHD
3237	PA233	ATWEIGHT
3335	PA233	EPAREL
3282	PA233	HALFLIFE
3197	PA234M	ATWEIGHT
3336	PA234M	EPAREL
3283	PA234M	HALFLIFE
252	PAN_SEAL	CAP_MOD
253	PAN_SEAL	COMP_RCK
2731	PAN_SEAL	KPT
254	PAN_SEAL	PC_MAX
2732	PAN_SEAL	RCT_A
2733	PAN_SEAL	PCT_EXP
257	PAN_SEAL	PO_MIN
255	PAN_SEAL	PORE_DIS
256	PAN_SEAL	POROSITY
258	PAN_SEAL	PRESSURE
259	PAN_SEAL	PRMX_LOG
260	PAN_SEAL	PRMY_LOG
261	PAN_SEAL	PRMZ_LOG
264	PAN_SEAL	RELP_MOD
2734	PAN_SEAL	SAT_IBRN
265	PAN_SEAL	SAT_RBRN
266	PAN_SEAL	SAT_RGAS
282	PB	LOGSOLM
3421	PB209	ATWEIGHT
3337	PB209	EPAREL
3284	PB209	HALFLIFE
283	PB210	ATWEIGHT
3372	PB210	EPAREL
284	PB210	HALFLIFE
285	PB210	INVCHD
286	PB210	INVRHD
3200	PB211	ATWEIGHT
3338	PB211	EPAREL
3285	PB211	HALFLIFE
3201	PB212	ATWEIGHT
3339	PB212	EPAREL
3286	PB212	HALFLIFE
3202	PB214	ATWEIGHT
3340	PB214	EPAREL
3287	PB214	HALFLIFE

Parameter ID	Material	Parameter
3429	PHUMOX3	PHUMCIM
3433	PHUMOX3	PHUMSIM
3430	PHUMOX4	PHUMCIM
3434	PHUMOX4	PHUMSIM
3431	PHUMOX5	PHUMCIM
3435	PHUMOX5	PHUMSIM
3432	PHUMOX6	PHUMCIM
3436	PHUMOX6	PHUMSIM
1167	PM	LOGSOLM
287	PM147	ATWEIGHT
3341	PM147	EPAREL
288	PM147	HALFLIFE
2038	PM147	INVCHD
289	PM147	INVRHD
3203	PO212	ATWEIGHT
3342	PO212	EPAREL
3288	PO212	HALFLIFE
3204	PO213	ATWEIGHT
3343	PO213	EPAREL
3289	PO213	HALFLIFE
3205	PO214	ATWEIGHT
3344	PO214	EPAREL
3290	PO214	HALFLIFE
3206	PO215	ATWEIGHT
3345	PO215	EPAREL
3291	PO215	HALFLIFE
3207	PO216	ATWEIGHT
3346	PO216	EPAREL
3292	PO216	HALFLIFE
3208	PO218	ATWEIGHT
3347	PO218	EPAREL
3293	PO218	HALFLIFE
3459	PU	CAPHUM
3315	PU	CAPMIC
3316	PU	CONCINT
3440	PU	CONCMIN
3317	PU	PROPMIC
3442	PU+3	MD0
3480	PU+3	MKD_PU
3443	PU+4	MD0
3481	PU+4	MKD_PU
291	PU238	ATWEIGHT
3373	PU238	EPAREL
292	PU238	HALFLIFE
293	PU238	INVCHD
294	PU238	INVRHD
295	PU239	ATWEIGHT
3374	PU239	EPAREL
296	PU239	HALFLIFE
297	PU239	INVCHD
298	PU239	INVRHD

Material Name

Parameter ID	Material	Parameter
299	PU240	ATWEIGHT
3375	PU240	EPAREL
300	PU240	HALFLIFE
301	PU240	INVCHD
302	PU240	INVRHD
303	PU241	ATWEIGHT
3348	PU241	EPAREL
304	PU241	HALFLIFE
305	PU241	INVCHD
306	PU241	INVRHD
307	PU242	ATWEIGHT
3376	PU242	EPAREL
308	PU242	HALFLIFE
309	PU242	INVCHD
310	PU242	INVRHD
311	PU244	ATWEIGHT
3377	PU244	EPAREL
312	PU244	HALFLIFE
2269	PU244	INVCHD
2270	PU244	INVRHD
313	RA	LOGSOLM
3209	RA223	ATWEIGHT
3349	RA223	EPAREL
3294	RA223	HALFLIFE
3210	RA224	ATWEIGHT
3350	RA224	EPAREL
3295	RA224	HALFLIFE
3211	RA225	ATWEIGHT
3351	RA225	EPAREL
3296	RA225	HALFLIFE
314	RA226	ATWEIGHT
3378	RA226	EPAREL
315	RA226	HALFLIFE
316	RA226	INVCHD
317	RA226	INVRHD
318	RA228	ATWEIGHT
3352	RA228	EPAREL
319	RA228	HALFLIFE
2271	RA228	INVCHD
2272	RA228	INVRHD
3503	REFCON	ABERM
2833	REFCON	ACF_CH4
2832	REFCON	ACF_CO2
2831	REFCON	ACF_H2
2835	REFCON	ACF_H2S
2834	REFCON	ACF_N2
2836	REFCON	ACF_O2
3113	REFCON	ACTCONST
2897	REFCON	AL2
3489	REFCON	AREA_CH
3496	REFCON	AREA_RH

Parameter ID	Material	Parameter
3488	REFCON	AREA_ZRO
3106	REFCON	ASDRUM
2890	REFCON	ATMPA
3109	REFCON	AVOGADRO
2879	REFCON	BBLG
3111	REFCON	CITOBQ
2882	REFCON	DARM2
2887	REFCON	DAYSEC
3132	REFCON	DRROOM
2883	REFCON	F3M3
2881	REFCON	FTM
3492	REFCON	FVW
2889	REFCON	GRAVACC
2884	REFCON	GTI3
3502	REFCON	HRH
2886	REFCON	KGLB
2885	REFCON	LBKG
2877	REFCON	MW_CACO3
2875	REFCON	MW_CAO
2876	REFCON	MW_CAOH2
2866	REFCON	MW_CH2O
2860	REFCON	MW_CH4
2859	REFCON	MW_CO2
2865	REFCON	MW_FE
2873	REFCON	MW_FE3O4
2870	REFCON	MW_FECO3
2871	REFCON	MW_FEOH2
2872	REFCON	MW_FEOOH
2874	REFCON	MW_FES
2869	REFCON	MW_FES2
2858	REFCON	MW_H2
2864	REFCON	MW_H2O
2862	REFCON	MW_H2S
2867	REFCON	MW_H2SO4
2868	REFCON	MW_HNO3
2861	REFCON	MW_N2
2878	REFCON	MW_NACL
2863	REFCON	MW_O2
2894	REFCON	OMEGAA
2895	REFCON	OMEGAB
2880	REFCON	PASCP
2839	REFCON	PC_CH4
2838	REFCON	PC_CO2
2837	REFCON	PC_H2
2841	REFCON	PC_H2S
2840	REFCON	PC_N2
2842	REFCON	PC_O2
2896	REFCON	PI
2892	REFCON	PSIPA
2893	REFCON	R
2891	REFCON	RTK

Material Name

Parameter ID	Material	Parameter
3112	REFCON	SECYR
2827	REFCON	TC_CH4
2826	REFCON	TC_CO2
2825	REFCON	TC_H2
2829	REFCON	TC_H2S
2828	REFCON	TC_N2
2830	REFCON	TC_O2
3490	REFCON	VOLWP
3107	REFCON	VPANLEX
3108	REFCON	VREPOS
3105	REFCON	VROOM
2888	REFCON	YRSEC
3110	REFCON	ZCINK
2110	REPOSIT	CAP_MOD
3455	REPOSIT	CLOSMOD
2112	REPOSIT	COMP_RCK
2113	REPOSIT	DCELLCHW
2114	REPOSIT	DCELLRHW
2115	REPOSIT	DIRNCCHW
2116	REPOSIT	DIRNCRHW
2117	REPOSIT	DIRONCHW
2118	REPOSIT	DIRONRHW
2119	REPOSIT	DPLASCHW
2120	REPOSIT	DPLASRHW
2121	REPOSIT	DPLSCCHW
2995	REPOSIT	DPLSCRHW
2122	REPOSIT	DRUBBCHW
2123	REPOSIT	DRUBBRHW
2127	REPOSIT	GRATMICH
2128	REPOSIT	GRATMICI
2736	REPOSIT	KPT
2242	REPOSIT	PC_MAX
2737	REPOSIT	PCT_A
2738	REPOSIT	PCT_EXP
2739	REPOSIT	PO_MIN
2129	REPOSIT	PORE_DIS
2130	REPOSIT	POROSITY
2131	REPOSIT	PRMX_LOG
2132	REPOSIT	PRMY_LOG
2133	REPOSIT	PRMZ_LOG
2824	REPOSIT	PROBDEG
2135	REPOSIT	RELP_MOD
2740	REPOSIT	SAT_IBRN
2741	REPOSIT	SAT_RBRN
2137	REPOSIT	SAT_RGAS
2141	REPOSIT	VOLCHW
2142	REPOSIT	VOLRHW
3212	RN219	ATWEIGHT
3353	RN219	EPAREL
3297	RN219	HALFLIFE
3213	RN220	ATWEIGHT

Parameter ID	Material	Parameter
3354	RN220	EPAREL
3298	RN220	HALFLIFE
3214	RN222	ATWEIGHT
3355	RN222	EPAREL
3299	RN222	HALFLIFE
2819	S_ANH_AB	BKLINK
520	S_ANH_AB	CAP_MOD
521	S_ANH_AB	COMP_RCK
1661	S_ANH_AB	DNSGRAIN
2158	S_ANH_AB	DPHIMAX
2820	S_ANH_AB	EXPKLINK
2812	S_ANH_AB	IFRX
2815	S_ANH_AB	IFRY
2818	S_ANH_AB	IFRZ
2159	S_ANH_AB	KMAXLOG
2773	S_ANH_AB	KPT
1684	S_ANH_AB	MDISP_L
1685	S_ANH_AB	MDISP_T
522	S_ANH_AB	PC_MAX
2774	S_ANH_AB	PCT_A
2775	S_ANH_AB	PCT_EXP
524	S_ANH_AB	PF_DELTA
526	S_ANH_AB	PI_DELTA
529	S_ANH_AB	PO_MIN
527	S_ANH_AB	PORE_DIS
528	S_ANH_AB	POROSITY
531	S_ANH_AB	PRMX_LOG
532	S_ANH_AB	PRMY_LOG
533	S_ANH_AB	PRMZ_LOG
536	S_ANH_AB	RELP_MOD
537	S_ANH_AB	SAT_IBRN
538	S_ANH_AB	SAT_RBRN
539	S_ANH_AB	SAT_RGAS
1702	S_ANH_AB	TORTUSTY
540	S_HALITE	CAP_MOD
541	S_HALITE	COMP_RCK
1703	S_HALITE	DNSGRAIN
2778	S_HALITE	KPT
1724	S_HALITE	MDISP_L
1725	S_HALITE	MDISP_T
542	S_HALITE	PC_MAX
2779	S_HALITE	PCT_A
2780	S_HALITE	PCT_EXP
545	S_HALITE	PO_MIN
543	S_HALITE	PORE_DIS
544	S_HALITE	POROSITY
546	S_HALITE	PRESSURE
547	S_HALITE	PRMX_LOG
548	S_HALITE	PRMY_LOG
549	S_HALITE	PRMZ_LOG
553	S_HALITE	RELP_MOD

Material Name

Parameter ID	Material	Parameter
554	S_HALITE	SAT_IBRN
555	S_HALITE	SAT_RBRN
556	S_HALITE	SAT_RGAS
1742	S_HALITE	TORTUSTY
2904	S_MB138	BKLINK
559	S_MB138	CAP_MOD
560	S_MB138	COMP_RCK
1743	S_MB138	DNSGRAIN
2169	S_MB138	DPHIMAX
2902	S_MB138	EXPKLINK
2810	S_MB138	IFRX
2813	S_MB138	IFRY
2816	S_MB138	IFRZ
2170	S_MB138	KMAXLOG
2783	S_MB138	KPT
561	S_MB138	PC_MAX
2784	S_MB138	PCT_A
2785	S_MB138	PCT_EXP
563	S_MB138	PF_DELTA
565	S_MB138	PI_DELTA
568	S_MB138	PO_MIN
566	S_MB138	PORE_DIS
567	S_MB138	POROSITY
569	S_MB138	PRESSURE
570	S_MB138	PRMX_LOG
571	S_MB138	PRMY_LOG
572	S_MB138	PRMZ_LOG
575	S_MB138	RELP_MOD
576	S_MB138	SAT_IBRN
577	S_MB138	SAT_RBRN
578	S_MB138	SAT_RGAS
2905	S_MB139	BKLINK
579	S_MB139	CAP_MOD
580	S_MB139	COMP_RCK
1784	S_MB139	DNSGRAIN
2177	S_MB139	DPHIMAX
2903	S_MB139	EXPKLINK
2811	S_MB139	IFRX
2814	S_MB139	IFRY
2817	S_MB139	IFRZ
2178	S_MB139	KMAXLOG
2788	S_MB139	KPT
582	S_MB139	PC_MAX
2789	S_MB139	PCT_A
2790	S_MB139	PCT_EXP
2180	S_MB139	PF_DELTA
586	S_MB139	PI_DELTA
589	S_MB139	PO_MIN
587	S_MB139	PORE_DIS
588	S_MB139	POROSITY
590	S_MB139	PRESSURE

Parameter ID	Material	Parameter
591	S_MB139	PRMX_LOG
592	S_MB139	PRMY_LOG
593	S_MB139	PRMZ_LOG
596	S_MB139	RELP_MOD
597	S_MB139	SAT_IBRN
598	S_MB139	SAT_RBRN
599	S_MB139	SAT_RGAS
2513	SALT_T1	CAP_MOD
2514	SALT_T1	COMP_RCK
2939	SALT_T1	CUMPROB
2744	SALT_T1	KPT
2515	SALT_T1	PC_MAX
2745	SALT_T1	PCT_A
2746	SALT_T1	PCT_EXP
2942	SALT_T1	PMLT_HI
2941	SALT_T1	PMLT_LO
2940	SALT_T1	PMLT_MD
2518	SALT_T1	PO_MIN
2516	SALT_T1	PORE_DIS
2517	SALT_T1	POROSITY
2519	SALT_T1	PRESSURE
2938	SALT_T1	RADN_DRZ
2526	SALT_T1	RELP_MOD
2934	SALT_T1	RSH_AIR
2937	SALT_T1	RSH_EXH
2935	SALT_T1	RSH_SAL
2936	SALT_T1	RSH_WAS
2527	SALT_T1	SAT_IBRN
2528	SALT_T1	SAT_RBRN
2529	SALT_T1	SAT_RGAS
2530	SALT_T2	CAP_MOD
2531	SALT_T2	COMP_RCK
2749	SALT_T2	KPT
2532	SALT_T2	PC_MAX
2750	SALT_T2	PCT_A
2751	SALT_T2	PCT_EXP
2950	SALT_T2	PMLT_HI
2949	SALT_T2	PMLT_LO
2948	SALT_T2	PMLT_MD
2535	SALT_T2	PO_MIN
2533	SALT_T2	PORE_DIS
2534	SALT_T2	POROSITY
2947	SALT_T2	RADN_DRZ
2543	SALT_T2	RELP_MOD
2943	SALT_T2	RSH_AIR
2946	SALT_T2	RSH_EXH
2944	SALT_T2	RSH_SAL
2945	SALT_T2	RSH_WAS
2545	SALT_T2	SAT_RBRN
2546	SALT_T2	SAT_RGAS
2547	SALT_T3	CAP_MOD

Material Name

Parameter ID	Material	Parameter
2548	SALT_T3	COMP_RCK
2754	SALT_T3	KPT
2549	SALT_T3	PC_MAX
2755	SALT_T3	PCT_A
2756	SALT_T3	PCT_EXP
2958	SALT_T3	PMLT_HI
2957	SALT_T3	PMLT_LO
2956	SALT_T3	PMLT_MD
2552	SALT_T3	PO_MIN
2550	SALT_T3	PORE_DIS
2551	SALT_T3	POROSITY
2955	SALT_T3	RADN_DRZ
2560	SALT_T3	RELP_MOD
2951	SALT_T3	RSH_AIR
2954	SALT_T3	RSH_EXH
2952	SALT_T3	RSH_SAL
2953	SALT_T3	RSH_WAS
2562	SALT_T3	SAT_RBRN
2563	SALT_T3	SAT_RGAS
2564	SALT_T4	CAP_MOD
2565	SALT_T4	COMP_RCK
2759	SALT_T4	KPT
2566	SALT_T4	PC_MAX
2760	SALT_T4	PCT_A
2761	SALT_T4	PCT_EXP
2966	SALT_T4	PMLT_HI
2965	SALT_T4	PMLT_LO
2964	SALT_T4	PMLT_MD
2569	SALT_T4	PO_MIN
2567	SALT_T4	PORE_DIS
2568	SALT_T4	POROSITY
2963	SALT_T4	RADN_DRZ
2577	SALT_T4	RELP_MOD
2959	SALT_T4	RSH_AIR
2962	SALT_T4	RSH_EXH
2960	SALT_T4	RSH_SAL
2961	SALT_T4	RSH_WAS
2579	SALT_T4	SAT_RBRN
2580	SALT_T4	SAT_RGAS
2581	SALT_T5	CAP_MOD
2582	SALT_T5	COMP_RCK
2764	SALT_T5	KPT
2583	SALT_T5	PC_MAX
2765	SALT_T5	PCT_A
2766	SALT_T5	PCT_EXP
2974	SALT_T5	PMLT_HI
2973	SALT_T5	PMLT_LO
2972	SALT_T5	PMLT_MD
3125	SALT_T5	PO_MIN
2809	SALT_T5	PORE_DIS
2585	SALT_T5	POROSITY

Parameter ID	Material	Parameter
2971	SALT_T5	RADN_DRZ
2594	SALT_T5	RELP_MOD
2967	SALT_T5	RSH_AIR
2970	SALT_T5	RSH_EXH
2968	SALT_T5	RSH_SAL
2969	SALT_T5	RSH_WAS
2596	SALT_T5	SAT_RBRN
2597	SALT_T5	SAT_RGAS
2983	SALT_T6	CAP_MOD
2984	SALT_T6	COMP_RCK
2985	SALT_T6	KPT
2986	SALT_T6	PC_MAX
2987	SALT_T6	PCT_A
2988	SALT_T6	PCT_EXP
2982	SALT_T6	PMLT_HI
2981	SALT_T6	PMLT_LO
2980	SALT_T6	PMLT_MD
3126	SALT_T6	PO_MIN
2989	SALT_T6	PORE_DIS
2990	SALT_T6	POROSITY
2979	SALT_T6	RADN_DRZ
2991	SALT_T6	RELP_MOD
2975	SALT_T6	RSH_AIR
2978	SALT_T6	RSH_EXH
2976	SALT_T6	RSH_SAL
2977	SALT_T6	RSH_WAS
2992	SALT_T6	SAT_RBRN
2993	SALT_T6	SAT_RGAS
336	SANTAROS	CAP_MOD
337	SANTAROS	COMP_RCK
2768	SANTAROS	KPT
339	SANTAROS	PC_MAX
2769	SANTAROS	PCT_A
2770	SANTAROS	PCT_EXP
342	SANTAROS	PO_MIN
340	SANTAROS	PORE_DIS
341	SANTAROS	POROSITY
343	SANTAROS	PRESSURE
344	SANTAROS	PRMX_LOG
345	SANTAROS	PRMY_LOG
346	SANTAROS	PRMZ_LOG
349	SANTAROS	RELP_MOD
350	SANTAROS	SAT_IBRN
351	SANTAROS	SAT_RBRN
352	SANTAROS	SAT_RGAS
3133	SHFT_DRZ	PRMX_LOG
514	SM147	ATWEIGHT
3379	SM147	EPAREL
515	SM147	HALFLIFE
3263	SOLAM3	SOLCIM
3262	SOLAM3	SOLSIM

Material Name

Parameter ID	Material	Parameter
3402	SOLMOD3	SOLCIM
3406	SOLMOD3	SOLSIM
3403	SOLMOD4	SOLCIM
3407	SOLMOD4	SOLSIM
3404	SOLMOD5	SOLCIM
3408	SOLMOD5	SOLSIM
3405	SOLMOD6	SOLCIM
3409	SOLMOD6	SOLSIM
3264	SOLPU3	SOLCIM
3265	SOLPU3	SOLSIM
3389	SOLPU4	SOLCIM
3266	SOLPU4	SOLSIM
3393	SOLTH4	SOLSIM
3390	SOLU4	SOLSIM
3392	SOLU6	SOLCIM
3391	SOLU6	SOLSIM
1659	SR	LOGSOLM
3215	SR90	ATWEIGHT
3380	SR90	EPAREL
517	SR90	HALFLIFE
2039	SR90	INVCHD
518	SR90	INVRHD
2907	STEEL	CORRMCO2
2908	STEEL	CORRWCO2
2910	STEEL	HUMCORR
2898	STEEL	STOIFX
2909	SULFATE	QINIT
2183	TAMARISK	CAP_MOD
2243	TAMARISK	COMP_RCK
2793	TAMARISK	KPT
2244	TAMARISK	PC_MAX
2794	TAMARISK	PCT_A
2795	TAMARISK	PCT_EXP
2796	TAMARISK	PO_MIN
2185	TAMARISK	PORE_DIS
2186	TAMARISK	POROSITY
2914	TAMARISK	PRMX_LOG
2915	TAMARISK	PRMY_LOG
2916	TAMARISK	PRMZ_LOG
2191	TAMARISK	RELP_MOD
2245	TAMARISK	SAT_RBRN
2192	TAMARISK	SAT_RGAS
3461	TH	CAPHUM
3318	TH	CAPMIC
3319	TH	CONCINT
3437	TH	CONCMIN
3320	TH	PROPMIC
3449	TH+4	MD0
3478	TH+4	MKD_TH
3216	TH227	ATWEIGHT
3356	TH227	EPAREL

Parameter ID	Material	Parameter
3300	TH227	HALFLIFE
3217	TH228	ATWEIGHT
3357	TH228	EPAREL
3301	TH228	HALFLIFE
603	TH229	ATWEIGHT
3381	TH229	EPAREL
604	TH229	HALFLIFE
605	TH229	INVCHD
606	TH229	INVRHD
607	TH230	ATWEIGHT
3382	TH230	EPAREL
608	TH230	HALFLIFE
609	TH230	INVCHD
610	TH230	INVRHD
3218	TH231	ATWEIGHT
3358	TH231	EPAREL
3302	TH231	HALFLIFE
611	TH232	ATWEIGHT
3383	TH232	EPAREL
612	TH232	HALFLIFE
613	TH232	INVCHD
614	TH232	INVRHD
3219	TH234	ATWEIGHT
3359	TH234	EPAREL
3303	TH234	HALFLIFE
3196	TL207	ATWEIGHT
3360	TL207	EPAREL
3304	TL207	HALFLIFE
3460	U	CAPHUM
3308	U	CAPMIC
3307	U	CONCINT
3438	U	CONCMIN
3309	U	PROPMIC
3446	U+4	MD0
3479	U+4	MKD_U
3448	U+6	MD0
3475	U+6	MKD_U
632	U233	ATWEIGHT
3384	U233	EPAREL
633	U233	HALFLIFE
634	U233	INVCHD
635	U233	INVRHD
636	U234	ATWEIGHT
3385	U234	EPAREL
637	U234	HALFLIFE
638	U234	INVCHD
639	U234	INVRHD
640	U235	ATWEIGHT
3386	U235	EPAREL
641	U235	HALFLIFE
642	U235	INVCHD

Material Name

Parameter ID	Material	Parameter
643	U235	INVRHD
644	U236	ATWEIGHT
3387	U236	EPAREL
645	U236	HALFLIFE
2216	U236	INVCHD
646	U236	INVRHD
647	U238	ATWEIGHT
3388	U238	EPAREL
648	U238	HALFLIFE
649	U238	INVCHD
650	U238	INVRHD
2217	UNNAMED	CAP_MOD
2218	UNNAMED	COMP_RCK
2799	UNNAMED	KPT
2247	UNNAMED	PC_MAX
2800	UNNAMED	PCT_A
2801	UNNAMED	PCT_EXP
2802	UNNAMED	PO_MIN
2219	UNNAMED	PORE_DIS
2220	UNNAMED	POROSITY
2911	UNNAMED	PRMX_LOG
2912	UNNAMED	PRMY_LOG
2913	UNNAMED	PRMZ_LOG
2225	UNNAMED	RELP_MOD
2248	UNNAMED	SAT_RBRN
2226	UNNAMED	SAT_RGAS
651	WAS_AREA	ABSROUGH
652	WAS_AREA	CAP_MOD
3454	WAS_AREA	CLOSMOD
653	WAS_AREA	COMP_RCK
2041	WAS_AREA	DCELLCHW
2274	WAS_AREA	DCELLRHW
1992	WAS_AREA	DIRNCCHW
1993	WAS_AREA	DIRNCRHW
2040	WAS_AREA	DIRONCHW

Parameter ID	Material	Parameter
2044	WAS_AREA	DIRONRHW
1994	WAS_AREA	DNSGRAIN
2043	WAS_AREA	DPLASCHW
2275	WAS_AREA	DPLASRHW
1995	WAS_AREA	DPLSCCHW
2228	WAS_AREA	DPLSCRHW
2042	WAS_AREA	DRUBBCHW
2046	WAS_AREA	DRUBBRHW
656	WAS_AREA	GRATMICH
657	WAS_AREA	GRATMICI
2804	WAS_AREA	KPT
658	WAS_AREA	PC_MAX
2805	WAS_AREA	PCT_A
2806	WAS_AREA	PCT_EXP
661	WAS_AREA	PO_MIN
659	WAS_AREA	PORE_DIS
660	WAS_AREA	POROSITY
662	WAS_AREA	PRESSURE
663	WAS_AREA	PRMX_LOG
664	WAS_AREA	PRMY_LOG
665	WAS_AREA	PRMZ_LOG
2823	WAS_AREA	PROBDEG
668	WAS_AREA	RELP_MOD
669	WAS_AREA	SAT_IBRN
670	WAS_AREA	SAT_RBRN
671	WAS_AREA	SAT_RGAS
2231	WAS_AREA	SAT_WICK
2232	WAS_AREA	VOLCHW
2233	WAS_AREA	VOLRHW
3198	Y90	ATWEIGHT
3361	Y90	EPAREL
3305	Y90	HALFLIFE
3199	ZR90	ATWEIGHT
3362	ZR90	EPAREL
3306	ZR90	HALFLIFE

Appendix B3

**Parameter Cross Reference
by Parameter Property Name**

Parameter Property Name

Parameter ID	Material	Parameter
3503	REFCON	ABERM
651	WAS_AREA	ABSTROUGH
2833	REFCON	ACF_CH4
2832	REFCON	ACF_CO2
2831	REFCON	ACF_H2
2835	REFCON	ACF_H2S
2834	REFCON	ACF_N2
2836	REFCON	ACF_O2
3113	REFCON	ACTCONST
2897	REFCON	AL2
3259	BLOWOUT	APORO
3487	CULEBRA	APOROS
3489	REFCON	AREA_CH
58	CASTILER	AREA_FRC
3496	REFCON	AREA_RH
3488	REFCON	AREA_ZRO
3106	REFCON	ASDRUM
2890	REFCON	ATMPA
3220	AC225	ATWEIGHT
3221	AC227	ATWEIGHT
3222	AC228	ATWEIGHT
2	AM241	ATWEIGHT
3223	AM243	ATWEIGHT
3224	AT217	ATWEIGHT
3225	BA137	ATWEIGHT
3226	BA137M	ATWEIGHT
3227	BI211	ATWEIGHT
3228	BI212	ATWEIGHT
3229	BI213	ATWEIGHT
3230	BI214	ATWEIGHT
106	CF252	ATWEIGHT
3231	CM243	ATWEIGHT
110	CM244	ATWEIGHT
3232	CM245	ATWEIGHT
3233	CM248	ATWEIGHT
116	CS137	ATWEIGHT
3234	FR221	ATWEIGHT
3235	ND143	ATWEIGHT
246	NP237	ATWEIGHT
3236	NP239	ATWEIGHT
250	PA231	ATWEIGHT
3237	PA233	ATWEIGHT
3197	PA234M	ATWEIGHT
3421	PB209	ATWEIGHT
283	PB210	ATWEIGHT
3200	PB211	ATWEIGHT
3201	PB212	ATWEIGHT
3202	PB214	ATWEIGHT
287	PM147	ATWEIGHT
3203	PO212	ATWEIGHT
3204	PO213	ATWEIGHT

Parameter ID	Material	Parameter
3205	PO214	ATWEIGHT
3206	PO215	ATWEIGHT
3207	PO216	ATWEIGHT
3208	PO218	ATWEIGHT
291	PU238	ATWEIGHT
295	PU239	ATWEIGHT
299	PU240	ATWEIGHT
303	PU241	ATWEIGHT
307	PU242	ATWEIGHT
311	PU244	ATWEIGHT
3209	RA223	ATWEIGHT
3210	RA224	ATWEIGHT
3211	RA225	ATWEIGHT
314	RA226	ATWEIGHT
318	RA228	ATWEIGHT
3212	RN219	ATWEIGHT
3213	RN220	ATWEIGHT
3214	RN222	ATWEIGHT
514	SM147	ATWEIGHT
3215	SR90	ATWEIGHT
3216	TH227	ATWEIGHT
3217	TH228	ATWEIGHT
603	TH229	ATWEIGHT
607	TH230	ATWEIGHT
3218	TH231	ATWEIGHT
611	TH232	ATWEIGHT
3219	TH234	ATWEIGHT
3196	TL207	ATWEIGHT
632	U233	ATWEIGHT
636	U234	ATWEIGHT
640	U235	ATWEIGHT
644	U236	ATWEIGHT
647	U238	ATWEIGHT
3198	Y90	ATWEIGHT
3199	ZR90	ATWEIGHT
3109	REFCON	AVOGADRO
2879	REFCON	BBLG
2819	S_ANH_AB	BKLINK
2904	S_MB138	BKLINK
2905	S_MB139	BKLINK
2276	ASPHALT	CAP_MOD
3174	BH_CREEP	CAP_MOD
3138	BH_OPEN	CAP_MOD
3162	BH_SAND	CAP_MOD
23	BOREHOLE	CAP_MOD
60	CASTILER	CAP_MOD
76	CAVITY_1	CAP_MOD
91	CAVITY_2	CAP_MOD
2049	CAVITY_3	CAP_MOD
2060	CAVITY_4	CAP_MOD
2327	CL_L_T1	CAP_MOD

Parameter Property Name

Parameter ID	Material	Parameter
2344	CL_L_T2	CAP_MOD
2361	CL_L_T3	CAP_MOD
3070	CL_L_T4	CAP_MOD
2378	CL_M_T1	CAP_MOD
2395	CL_M_T2	CAP_MOD
2412	CL_M_T3	CAP_MOD
2429	CL_M_T4	CAP_MOD
2446	CL_M_T5	CAP_MOD
2310	CLAY_BOT	CAP_MOD
3000	CLAY_RUS	CAP_MOD
3051	CONC_MON	CAP_MOD
3150	CONC_PLG	CAP_MOD
2463	CONC_T1	CAP_MOD
2480	CONC_T2	CAP_MOD
119	CULEBRA	CAP_MOD
153	DEWYLAKE	CAP_MOD
174	DRZ_0	CAP_MOD
190	DRZ_1	CAP_MOD
2496	EARTH	CAP_MOD
207	EXP_AREA	CAP_MOD
2085	FORTYNIN	CAP_MOD
229	IMPERM_Z	CAP_MOD
2097	MAGENTA	CAP_MOD
7	OPS_AREA	CAP_MOD
252	PAN_SEAL	CAP_MOD
2110	REPOSIT	CAP_MOD
520	S_ANH_AB	CAP_MOD
540	S_HALITE	CAP_MOD
559	S_MB138	CAP_MOD
579	S_MB139	CAP_MOD
2513	SALT_T1	CAP_MOD
2530	SALT_T2	CAP_MOD
2547	SALT_T3	CAP_MOD
2564	SALT_T4	CAP_MOD
2581	SALT_T5	CAP_MOD
2983	SALT_T6	CAP_MOD
336	SANTAROS	CAP_MOD
2183	TAMARISK	CAP_MOD
2217	UNNAMED	CAP_MOD
652	WAS_AREA	CAP_MOD
3457	AM	CAPHUM
3458	NP	CAPHUM
3459	PU	CAPHUM
3461	TH	CAPHUM
3460	U	CAPHUM
3447	AM	CAPMIC
3313	NP	CAPMIC
3315	PU	CAPMIC
3318	TH	CAPMIC
3308	U	CAPMIC
3245	BLOWOUT	CEMENT

Parameter ID	Material	Parameter
3111	REFCON	CITOBQ
223	GLOBAL	CLIMTIDX
3455	REPOSIT	CLOSMOD
3454	WAS_AREA	CLOSMOD
3242	BOREHOLE	COLDIA
2277	ASPHALT	COMP_RCK
3172	BH_CREEP	COMP_RCK
3136	BH_OPEN	COMP_RCK
3160	BH_SAND	COMP_RCK
25	BOREHOLE	COMP_RCK
61	CASTILER	COMP_RCK
77	CAVITY_1	COMP_RCK
92	CAVITY_2	COMP_RCK
2051	CAVITY_3	COMP_RCK
2062	CAVITY_4	COMP_RCK
2328	CL_L_T1	COMP_RCK
2345	CL_L_T2	COMP_RCK
2362	CL_L_T3	COMP_RCK
3071	CL_L_T4	COMP_RCK
2379	CL_M_T1	COMP_RCK
2396	CL_M_T2	COMP_RCK
2413	CL_M_T3	COMP_RCK
2430	CL_M_T4	COMP_RCK
2447	CL_M_T5	COMP_RCK
2311	CLAY_BOT	COMP_RCK
3001	CLAY_RUS	COMP_RCK
3052	CONC_MON	COMP_RCK
3148	CONC_PLG	COMP_RCK
2464	CONC_T1	COMP_RCK
2481	CONC_T2	COMP_RCK
120	CULEBRA	COMP_RCK
154	DEWYLAKE	COMP_RCK
175	DRZ_0	COMP_RCK
191	DRZ_1	COMP_RCK
2497	EARTH	COMP_RCK
208	EXP_AREA	COMP_RCK
2238	FORTYNIN	COMP_RCK
230	IMPERM_Z	COMP_RCK
3016	MAGENTA	COMP_RCK
8	OPS_AREA	COMP_RCK
253	PAN_SEAL	COMP_RCK
2112	REPOSIT	COMP_RCK
521	S_ANH_AB	COMP_RCK
541	S_HALITE	COMP_RCK
560	S_MB138	COMP_RCK
580	S_MB139	COMP_RCK
2514	SALT_T1	COMP_RCK
2531	SALT_T2	COMP_RCK
2548	SALT_T3	COMP_RCK
2565	SALT_T4	COMP_RCK
2582	SALT_T5	COMP_RCK

Parameter Property Name

Parameter ID	Material	Parameter
2984	SALT_T6	COMP_RCK
337	SANTAROS	COMP_RCK
2243	TAMARISK	COMP_RCK
2218	UNNAMED	COMP_RCK
653	WAS_AREA	COMP_RCK
43	BRINECST	COMPRES
48	BRINESAL	COMPRES
3310	AM	CONCINT
3312	NP	CONCINT
3316	PU	CONCINT
3319	TH	CONCINT
3307	U	CONCINT
3441	AM	CONCMIN
3439	NP	CONCMIN
3440	PU	CONCMIN
3437	TH	CONCMIN
3438	U	CONCMIN
2907	STEEL	CORRMCO2
2908	STEEL	CORRWCO2
2939	SALT_T1	CUMPROB
2882	REFCON	DARM2
2887	REFCON	DAYSEC
2113	REPOSIT	DCELLCHW
2041	WAS_AREA	DCELLCHW
2114	REPOSIT	DCELLRHW
2274	WAS_AREA	DCELLRHW
26	BOREHOLE	DIAMMOD
2115	REPOSIT	DIRNCCHW
1992	WAS_AREA	DIRNCCHW
2116	REPOSIT	DIRNCRHW
1993	WAS_AREA	DIRNCRHW
2117	REPOSIT	DIRONCHW
2040	WAS_AREA	DIRONCHW
2118	REPOSIT	DIRONRHW
2044	WAS_AREA	DIRONRHW
3483	CULEBRA	DISP_L
3484	CULEBRA	DISPT_L
44	BRINECST	DNSFLUID
49	BRINESAL	DNSFLUID
171	DRILLMUD	DNSFLUID
3238	ASPHALT	DNSGRAIN
843	CULEBRA	DNSGRAIN
1661	S_ANH_AB	DNSGRAIN
1703	S_HALITE	DNSGRAIN
1743	S_MB138	DNSGRAIN
1784	S_MB139	DNSGRAIN
1994	WAS_AREA	DNSGRAIN
27	BOREHOLE	DOMEGA
2158	S_ANH_AB	DPHIMAX
2169	S_MB138	DPHIMAX
2177	S_MB139	DPHIMAX

Parameter ID	Material	Parameter
2119	REPOSIT	DPLASCHW
2043	WAS_AREA	DPLASCHW
2120	REPOSIT	DPLASRHW
2275	WAS_AREA	DPLASRHW
2121	REPOSIT	DPLSCCHW
1995	WAS_AREA	DPLSCCHW
2995	REPOSIT	DPLSCRHW
2228	WAS_AREA	DPLSCRHW
3486	CULEBRA	DPOROS
3132	REFCON	DRROOM
2122	REPOSIT	DRUBBCHW
2042	WAS_AREA	DRUBBCHW
2123	REPOSIT	DRUBBRHW
2046	WAS_AREA	DRUBBRHW
3474	CULEBRA	DTORT
3321	AC225	EPAREL
3364	AC227	EPAREL
3322	AC228	EPAREL
3363	AM241	EPAREL
3365	AM243	EPAREL
3323	AT217	EPAREL
3324	BA137	EPAREL
3325	BA137M	EPAREL
3326	BI211	EPAREL
3327	BI212	EPAREL
3328	BI213	EPAREL
3329	BI214	EPAREL
3330	CF252	EPAREL
3366	CM243	EPAREL
3331	CM244	EPAREL
3367	CM245	EPAREL
3368	CM248	EPAREL
3369	CS137	EPAREL
3332	FR221	EPAREL
3333	ND143	EPAREL
3370	NP237	EPAREL
3334	NP239	EPAREL
3371	PA231	EPAREL
3335	PA233	EPAREL
3336	PA234M	EPAREL
3337	PB209	EPAREL
3372	PB210	EPAREL
3338	PB211	EPAREL
3339	PB212	EPAREL
3340	PB214	EPAREL
3341	PM147	EPAREL
3342	PO212	EPAREL
3343	PO213	EPAREL
3344	PO214	EPAREL
3345	PO215	EPAREL
3346	PO216	EPAREL

Parameter Property Name

Parameter ID	Material	Parameter
3347	PO218	EPAREL
3373	PU238	EPAREL
3374	PU239	EPAREL
3375	PU240	EPAREL
3348	PU241	EPAREL
3376	PU242	EPAREL
3377	PU244	EPAREL
3349	RA223	EPAREL
3350	RA224	EPAREL
3351	RA225	EPAREL
3378	RA226	EPAREL
3352	RA228	EPAREL
3353	RN219	EPAREL
3354	RN220	EPAREL
3355	RN222	EPAREL
3379	SM147	EPAREL
3380	SR90	EPAREL
3356	TH227	EPAREL
3357	TH228	EPAREL
3381	TH229	EPAREL
3382	TH230	EPAREL
3358	TH231	EPAREL
3383	TH232	EPAREL
3359	TH234	EPAREL
3360	TL207	EPAREL
3384	U233	EPAREL
3385	U234	EPAREL
3386	U235	EPAREL
3387	U236	EPAREL
3388	U238	EPAREL
3361	Y90	EPAREL
3362	ZR90	EPAREL
3462	CULEBRA	ETHICK
2820	S_ANH_AB	EXPCLINK
2902	S_MB138	EXPCLINK
2903	S_MB139	EXPCLINK
2883	REFCON	F3M3
2994	CELLULS	FBETA
3420	BLOWOUT	FCE
3256	BLOWOUT	FGE
3501	GLOBAL	FPICD
3500	GLOBAL	FPICM
123	CULEBRA	FRCTRDX
3255	BLOWOUT	FSE
2881	REFCON	FTM
861	CULEBRA	FTORT
3492	REFCON	FWW
3470	BLOWOUT	GAS_MIN
2127	REPOSIT	GRATMICH
656	WAS_AREA	GRATMICH
2128	REPOSIT	GRATMICI

Parameter ID	Material	Parameter
657	WAS_AREA	GRATMICI
2889	REFCON	GRAVACC
3194	CASTILER	GRIDFLO
2884	REFCON	GTI3
3267	AC225	HALFLIFE
3268	AC227	HALFLIFE
3269	AC228	HALFLIFE
3	AM241	HALFLIFE
6	AM243	HALFLIFE
3270	AT217	HALFLIFE
3271	BA137	HALFLIFE
3272	BA137M	HALFLIFE
3273	BI211	HALFLIFE
3274	BI212	HALFLIFE
3275	BI213	HALFLIFE
3276	BI214	HALFLIFE
107	CF252	HALFLIFE
3277	CM243	HALFLIFE
111	CM244	HALFLIFE
3278	CM245	HALFLIFE
115	CM248	HALFLIFE
117	CS137	HALFLIFE
3279	FR221	HALFLIFE
3280	ND143	HALFLIFE
247	NP237	HALFLIFE
3281	NP239	HALFLIFE
251	PA231	HALFLIFE
3282	PA233	HALFLIFE
3283	PA234M	HALFLIFE
3284	PB209	HALFLIFE
284	PB210	HALFLIFE
3285	PB211	HALFLIFE
3286	PB212	HALFLIFE
3287	PB214	HALFLIFE
288	PM147	HALFLIFE
3288	PO212	HALFLIFE
3289	PO213	HALFLIFE
3290	PO214	HALFLIFE
3291	PO215	HALFLIFE
3292	PO216	HALFLIFE
3293	PO218	HALFLIFE
292	PU238	HALFLIFE
296	PU239	HALFLIFE
300	PU240	HALFLIFE
304	PU241	HALFLIFE
308	PU242	HALFLIFE
312	PU244	HALFLIFE
3294	RA223	HALFLIFE
3295	RA224	HALFLIFE
3296	RA225	HALFLIFE
315	RA226	HALFLIFE

Parameter Property Name

Parameter ID	Material	Parameter
319	RA228	HALFLIFE
3297	RN219	HALFLIFE
3298	RN220	HALFLIFE
3299	RN222	HALFLIFE
515	SM147	HALFLIFE
517	SR90	HALFLIFE
3300	TH227	HALFLIFE
3301	TH228	HALFLIFE
604	TH229	HALFLIFE
608	TH230	HALFLIFE
3302	TH231	HALFLIFE
612	TH232	HALFLIFE
3303	TH234	HALFLIFE
3304	TL207	HALFLIFE
633	U233	HALFLIFE
637	U234	HALFLIFE
641	U235	HALFLIFE
645	U236	HALFLIFE
648	U238	HALFLIFE
3305	Y90	HALFLIFE
3306	ZR90	HALFLIFE
3485	CULEBRA	HMBLKLT
3250	BLOWOUT	HREPO
3502	REFCON	HRH
2910	STEEL	HUMCORR
2812	S_ANH_AB	IFRX
2810	S_MB138	IFRX
2811	S_MB139	IFRX
2815	S_ANH_AB	IFRY
2813	S_MB138	IFRY
2814	S_MB139	IFRY
2818	S_ANH_AB	IFRZ
2816	S_MB138	IFRZ
2817	S_MB139	IFRZ
3260	BLOWOUT	INPORO
3239	BOREHOLE	INV_AR
4	AM241	INVCHD
3415	AM243	INVCHD
108	CF252	INVCHD
3410	CM243	INVCHD
112	CM244	INVCHD
3412	CM245	INVCHD
2265	CM248	INVCHD
2037	CS137	INVCHD
248	NP237	INVCHD
2267	PA231	INVCHD
285	PB210	INVCHD
2038	PM147	INVCHD
293	PU238	INVCHD
297	PU239	INVCHD
301	PU240	INVCHD

Parameter ID	Material	Parameter
305	PU241	INVCHD
309	PU242	INVCHD
2269	PU244	INVCHD
316	RA226	INVCHD
2271	RA228	INVCHD
2039	SR90	INVCHD
605	TH229	INVCHD
609	TH230	INVCHD
613	TH232	INVCHD
634	U233	INVCHD
638	U234	INVCHD
642	U235	INVCHD
2216	U236	INVCHD
649	U238	INVCHD
5	AM241	INVRHD
3416	AM243	INVRHD
109	CF252	INVRHD
3411	CM243	INVRHD
113	CM244	INVRHD
3413	CM245	INVRHD
2266	CM248	INVRHD
118	CS137	INVRHD
249	NP237	INVRHD
2268	PA231	INVRHD
286	PB210	INVRHD
289	PM147	INVRHD
294	PU238	INVRHD
298	PU239	INVRHD
302	PU240	INVRHD
306	PU241	INVRHD
310	PU242	INVRHD
2270	PU244	INVRHD
317	RA226	INVRHD
2272	RA228	INVRHD
518	SR90	INVRHD
606	TH229	INVRHD
610	TH230	INVRHD
614	TH232	INVRHD
635	U233	INVRHD
639	U234	INVRHD
643	U235	INVRHD
646	U236	INVRHD
650	U238	INVRHD
3254	BLOWOUT	KGAS
2886	REFCON	KGLB
2159	S_ANH_AB	KMAXLOG
2170	S_MB138	KMAXLOG
2178	S_MB139	KMAXLOG
2599	ASPHALT	KPT
3180	BH_CREEP	KPT
3144	BH_OPEN	KPT

Parameter Property Name

Parameter ID	Material	Parameter
3168	BH_SAND	KPT
3122	BOREHOLE	KPT
2608	CASTILER	KPT
2612	CAVITY_1	KPT
2616	CAVITY_2	KPT
2620	CAVITY_3	KPT
2625	CAVITY_4	KPT
2641	CL_L_T1	KPT
2646	CL_L_T2	KPT
2651	CL_L_T3	KPT
3072	CL_L_T4	KPT
2656	CL_M_T1	KPT
2661	CL_M_T2	KPT
2666	CL_M_T3	KPT
2671	CL_M_T4	KPT
2676	CL_M_T5	KPT
2636	CLAY_BOT	KPT
3002	CLAY_RUS	KPT
3053	CONC_MON	KPT
3156	CONC_PLG	KPT
2681	CONC_T1	KPT
2686	CONC_T2	KPT
2691	CULEBRA	KPT
2696	DEWYLAKE	KPT
2701	DRZ_0	KPT
3116	DRZ_1	KPT
2706	EARTH	KPT
2711	EXP_AREA	KPT
2715	FORTYNIN	KPT
2720	IMPERM_Z	KPT
2725	MAGENTA	KPT
2604	OPS_AREA	KPT
2731	PAN_SEAL	KPT
2736	REPOSIT	KPT
2773	S_ANH_AB	KPT
2778	S_HALITE	KPT
2783	S_MB138	KPT
2788	S_MB139	KPT
2744	SALT_T1	KPT
2749	SALT_T2	KPT
2754	SALT_T3	KPT
2759	SALT_T4	KPT
2764	SALT_T5	KPT
2985	SALT_T6	KPT
2768	SANTAROS	KPT
2793	TAMARISK	KPT
2799	UNNAMED	KPT
2804	WAS_AREA	KPT
3244	BOREHOLE	L1
3243	BOREHOLE	L2
3494	GLOBAL	LAMBDAD

Parameter ID	Material	Parameter
2885	REFCON	LBKG
838	CF	LOGSOLM
841	CS	LOGSOLM
282	PB	LOGSOLM
1167	PM	LOGSOLM
313	RA	LOGSOLM
1659	SR	LOGSOLM
3471	BLOWOUT	MAXFLOW
3444	AM+3	MD0
3442	PU+3	MD0
3443	PU+4	MD0
3449	TH+4	MD0
3446	U+4	MD0
3448	U+6	MD0
944	DRZ_0	MDISP_L
1684	S_ANH_AB	MDISP_L
1724	S_HALITE	MDISP_L
945	DRZ_0	MDISP_T
1685	S_ANH_AB	MDISP_T
1725	S_HALITE	MDISP_T
3418	CULEBRA	MEA_STOR
3497	GLOBAL	MINERT
3472	BLOWOUT	MINFLOW
3419	CULEBRA	MINP_FAC
3482	AM+3	MKD_AM
3477	NP+4	MKD_NP
3476	NP+5	MKD_NP
3480	PU+3	MKD_PU
3481	PU+4	MKD_PU
3478	TH+4	MKD_TH
3479	U+4	MKD_U
3475	U+6	MKD_U
2877	REFCON	MW_CACO3
2875	REFCON	MW_CAO
2876	REFCON	MW_CAOH2
2866	REFCON	MW_CH2O
2860	REFCON	MW_CH4
2859	REFCON	MW_CO2
2865	REFCON	MW_FE
2873	REFCON	MW_FE3O4
2870	REFCON	MW_FECO3
2871	REFCON	MW_FEOH2
2872	REFCON	MW_FEOOH
2874	REFCON	MW_FES
2869	REFCON	MW_FES2
2858	REFCON	MW_H2
2864	REFCON	MW_H2O
2862	REFCON	MW_H2S
2867	REFCON	MW_H2SO4
2868	REFCON	MW_HNO3
2861	REFCON	MW_N2

Parameter Property Name

Parameter ID	Material	Parameter
2878	REFCON	MW_NACL
2863	REFCON	MW_O2
2894	REFCON	OMEGAA
2895	REFCON	OMEGAB
3417	GLOBAL	OXSTAT
3246	BLOWOUT	PARTDIA
2880	REFCON	PASCP
3493	GLOBAL	PBRINE
2839	REFCON	PC_CH4
2838	REFCON	PC_CO2
2837	REFCON	PC_H2
2841	REFCON	PC_H2S
2278	ASPHALT	PC_MAX
3175	BH_CREEP	PC_MAX
3139	BH_OPEN	PC_MAX
3163	BH_SAND	PC_MAX
29	BOREHOLE	PC_MAX
62	CASTILER	PC_MAX
78	CAVITY_1	PC_MAX
93	CAVITY_2	PC_MAX
2234	CAVITY_3	PC_MAX
2236	CAVITY_4	PC_MAX
2329	CL_L_T1	PC_MAX
2346	CL_L_T2	PC_MAX
2363	CL_L_T3	PC_MAX
3073	CL_L_T4	PC_MAX
2380	CL_M_T1	PC_MAX
2397	CL_M_T2	PC_MAX
2414	CL_M_T3	PC_MAX
2431	CL_M_T4	PC_MAX
2448	CL_M_T5	PC_MAX
2312	CLAY_BOT	PC_MAX
3003	CLAY_RUS	PC_MAX
3054	CONC_MON	PC_MAX
3151	CONC_PLG	PC_MAX
2465	CONC_T1	PC_MAX
2482	CONC_T2	PC_MAX
137	CULEBRA	PC_MAX
156	DEWYLAKE	PC_MAX
176	DRZ_0	PC_MAX
193	DRZ_1	PC_MAX
2498	EARTH	PC_MAX
209	EXP_AREA	PC_MAX
2239	FORTYNIN	PC_MAX
231	IMPERM_Z	PC_MAX
2098	MAGENTA	PC_MAX
9	OPS_AREA	PC_MAX
254	PAN_SEAL	PC_MAX
2242	REPOSIT	PC_MAX
522	S_ANH_AB	PC_MAX
542	S_HALITE	PC_MAX

Parameter ID	Material	Parameter
561	S_MB138	PC_MAX
582	S_MB139	PC_MAX
2515	SALT_T1	PC_MAX
2532	SALT_T2	PC_MAX
2549	SALT_T3	PC_MAX
2566	SALT_T4	PC_MAX
2583	SALT_T5	PC_MAX
2986	SALT_T6	PC_MAX
339	SANTAROS	PC_MAX
2244	TAMARISK	PC_MAX
2247	UNNAMED	PC_MAX
658	WAS_AREA	PC_MAX
2840	REFCON	PC_N2
2842	REFCON	PC_O2
2600	ASPHALT	PCT_A
3181	BH_CREEP	PCT_A
3145	BH_OPEN	PCT_A
3169	BH_SAND	PCT_A
3120	BOREHOLE	PCT_A
2609	CASTILER	PCT_A
2613	CAVITY_1	PCT_A
2617	CAVITY_2	PCT_A
2621	CAVITY_3	PCT_A
2626	CAVITY_4	PCT_A
2642	CL_L_T1	PCT_A
2647	CL_L_T2	PCT_A
2652	CL_L_T3	PCT_A
3074	CL_L_T4	PCT_A
2657	CL_M_T1	PCT_A
2662	CL_M_T2	PCT_A
2667	CL_M_T3	PCT_A
2672	CL_M_T4	PCT_A
2677	CL_M_T5	PCT_A
2637	CLAY_BOT	PCT_A
3004	CLAY_RUS	PCT_A
3055	CONC_MON	PCT_A
3157	CONC_PLG	PCT_A
2682	CONC_T1	PCT_A
2687	CONC_T2	PCT_A
2692	CULEBRA	PCT_A
2697	DEWYLAKE	PCT_A
2702	DRZ_0	PCT_A
3128	DRZ_1	PCT_A
2707	EARTH	PCT_A
2712	EXP_AREA	PCT_A
2716	FORTYNIN	PCT_A
2721	IMPERM_Z	PCT_A
2726	MAGENTA	PCT_A
2605	OPS_AREA	PCT_A
2732	PAN_SEAL	PCT_A
2737	REPOSIT	PCT_A

Parameter Property Name

Parameter ID	Material	Parameter
2774	S_ANH_AB	PCT_A
2779	S_HALITE	PCT_A
2784	S_MB138	PCT_A
2789	S_MB139	PCT_A
2745	SALT_T1	PCT_A
2750	SALT_T2	PCT_A
2755	SALT_T3	PCT_A
2760	SALT_T4	PCT_A
2765	SALT_T5	PCT_A
2987	SALT_T6	PCT_A
2769	SANTAROS	PCT_A
2794	TAMARISK	PCT_A
2800	UNNAMED	PCT_A
2805	WAS_AREA	PCT_A
2601	ASPHALT	PCT_EXP
3182	BH_CREEP	PCT_EXP
3146	BH_OPEN	PCT_EXP
3170	BH_SAND	PCT_EXP
3121	BOREHOLE	PCT_EXP
2610	CASTILER	PCT_EXP
2614	CAVITY_1	PCT_EXP
2618	CAVITY_2	PCT_EXP
2622	CAVITY_3	PCT_EXP
2627	CAVITY_4	PCT_EXP
2643	CL_L_T1	PCT_EXP
2648	CL_L_T2	PCT_EXP
2653	CL_L_T3	PCT_EXP
3075	CL_L_T4	PCT_EXP
2658	CL_M_T1	PCT_EXP
2663	CL_M_T2	PCT_EXP
2668	CL_M_T3	PCT_EXP
2673	CL_M_T4	PCT_EXP
2678	CL_M_T5	PCT_EXP
2638	CLAY_BOT	PCT_EXP
3005	CLAY_RUS	PCT_EXP
3056	CONC_MON	PCT_EXP
3158	CONC_PLG	PCT_EXP
2683	CONC_T1	PCT_EXP
2688	CONC_T2	PCT_EXP
2693	CULEBRA	PCT_EXP
2698	DEWYLAKE	PCT_EXP
2703	DRZ_0	PCT_EXP
3129	DRZ_1	PCT_EXP
2708	EARTH	PCT_EXP
2713	EXP_AREA	PCT_EXP
2717	FORTYNIN	PCT_EXP
2722	IMPERM_Z	PCT_EXP
2727	MAGENTA	PCT_EXP
2606	OPS_AREA	PCT_EXP
2733	PAN_SEAL	PCT_EXP
2738	REPOSIT	PCT_EXP

Parameter ID	Material	Parameter
2775	S_ANH_AB	PCT_EXP
2780	S_HALITE	PCT_EXP
2785	S_MB138	PCT_EXP
2790	S_MB139	PCT_EXP
2746	SALT_T1	PCT_EXP
2751	SALT_T2	PCT_EXP
2756	SALT_T3	PCT_EXP
2761	SALT_T4	PCT_EXP
2766	SALT_T5	PCT_EXP
2988	SALT_T6	PCT_EXP
2770	SANTAROS	PCT_EXP
2795	TAMARISK	PCT_EXP
2801	UNNAMED	PCT_EXP
2806	WAS_AREA	PCT_EXP
524	S_ANH_AB	PF_DELTA
563	S_MB138	PF_DELTA
2180	S_MB139	PF_DELTA
3429	PHUMOX3	PHUMCIM
3430	PHUMOX4	PHUMCIM
3431	PHUMOX5	PHUMCIM
3432	PHUMOX6	PHUMCIM
3433	PHUMOX3	PHUMSIM
3434	PHUMOX4	PHUMSIM
3435	PHUMOX5	PHUMSIM
3436	PHUMOX6	PHUMSIM
2896	REFCON	PI
526	S_ANH_AB	PI_DELTA
565	S_MB138	PI_DELTA
586	S_MB139	PI_DELTA
3241	BOREHOLE	PIPED
3495	GLOBAL	PLGPAT
2942	SALT_T1	PMLT_HI
2950	SALT_T2	PMLT_HI
2958	SALT_T3	PMLT_HI
2966	SALT_T4	PMLT_HI
2974	SALT_T5	PMLT_HI
2982	SALT_T6	PMLT_HI
2941	SALT_T1	PMLT_LO
2949	SALT_T2	PMLT_LO
2957	SALT_T3	PMLT_LO
2965	SALT_T4	PMLT_LO
2973	SALT_T5	PMLT_LO
2981	SALT_T6	PMLT_LO
2940	SALT_T1	PMLT_MD
2948	SALT_T2	PMLT_MD
2956	SALT_T3	PMLT_MD
2964	SALT_T4	PMLT_MD
2972	SALT_T5	PMLT_MD
2980	SALT_T6	PMLT_MD
2281	ASPHALT	PO_MIN
3179	BH_CREEP	PO_MIN

Parameter Property Name

Parameter ID	Material	Parameter
3143	BH_OPEN	PO_MIN
3167	BH_SAND	PO_MIN
32	BOREHOLE	PO_MIN
65	CASTILER	PO_MIN
81	CAVITY_1	PO_MIN
96	CAVITY_2	PO_MIN
2623	CAVITY_3	PO_MIN
2628	CAVITY_4	PO_MIN
2332	CL_L_T1	PO_MIN
2349	CL_L_T2	PO_MIN
2366	CL_L_T3	PO_MIN
3123	CL_L_T4	PO_MIN
2383	CL_M_T1	PO_MIN
2400	CL_M_T2	PO_MIN
2417	CL_M_T3	PO_MIN
2434	CL_M_T4	PO_MIN
2451	CL_M_T5	PO_MIN
2315	CLAY_BOT	PO_MIN
3131	CLAY_RUS	PO_MIN
3124	CONC_MON	PO_MIN
3155	CONC_PLG	PO_MIN
2468	CONC_T1	PO_MIN
2808	CONC_T2	PO_MIN
141	CULEBRA	PO_MIN
159	DEWYLAKE	PO_MIN
179	DRZ_0	PO_MIN
196	DRZ_1	PO_MIN
2501	EARTH	PO_MIN
212	EXP_AREA	PO_MIN
2718	FORTYNIN	PO_MIN
234	IMPERM_Z	PO_MIN
2728	MAGENTA	PO_MIN
12	OPS_AREA	PO_MIN
257	PAN_SEAL	PO_MIN
2739	REPOSIT	PO_MIN
529	S_ANH_AB	PO_MIN
545	S_HALITE	PO_MIN
568	S_MB138	PO_MIN
589	S_MB139	PO_MIN
2518	SALT_T1	PO_MIN
2535	SALT_T2	PO_MIN
2552	SALT_T3	PO_MIN
2569	SALT_T4	PO_MIN
3125	SALT_T5	PO_MIN
3126	SALT_T6	PO_MIN
342	SANTAROS	PO_MIN
2796	TAMARISK	PO_MIN
2802	UNNAMED	PO_MIN
661	WAS_AREA	PO_MIN
2279	ASPHALT	PORE_DIS
3178	BH_CREEP	PORE_DIS

Parameter ID	Material	Parameter
3142	BH_OPEN	PORE_DIS
3166	BH_SAND	PORE_DIS
30	BOREHOLE	PORE_DIS
63	CASTILER	PORE_DIS
79	CAVITY_1	PORE_DIS
94	CAVITY_2	PORE_DIS
2052	CAVITY_3	PORE_DIS
2063	CAVITY_4	PORE_DIS
2330	CL_L_T1	PORE_DIS
2347	CL_L_T2	PORE_DIS
2364	CL_L_T3	PORE_DIS
3076	CL_L_T4	PORE_DIS
2381	CL_M_T1	PORE_DIS
2398	CL_M_T2	PORE_DIS
2415	CL_M_T3	PORE_DIS
2432	CL_M_T4	PORE_DIS
2449	CL_M_T5	PORE_DIS
2313	CLAY_BOT	PORE_DIS
3006	CLAY_RUS	PORE_DIS
3057	CONC_MON	PORE_DIS
3154	CONC_PLG	PORE_DIS
2466	CONC_T1	PORE_DIS
2483	CONC_T2	PORE_DIS
139	CULEBRA	PORE_DIS
157	DEWYLAKE	PORE_DIS
177	DRZ_0	PORE_DIS
194	DRZ_1	PORE_DIS
2499	EARTH	PORE_DIS
210	EXP_AREA	PORE_DIS
2087	FORTYNIN	PORE_DIS
232	IMPERM_Z	PORE_DIS
2099	MAGENTA	PORE_DIS
10	OPS_AREA	PORE_DIS
255	PAN_SEAL	PORE_DIS
2129	REPOSIT	PORE_DIS
527	S_ANH_AB	PORE_DIS
543	S_HALITE	PORE_DIS
566	S_MB138	PORE_DIS
587	S_MB139	PORE_DIS
2516	SALT_T1	PORE_DIS
2533	SALT_T2	PORE_DIS
2550	SALT_T3	PORE_DIS
2567	SALT_T4	PORE_DIS
2809	SALT_T5	PORE_DIS
2989	SALT_T6	PORE_DIS
340	SANTAROS	PORE_DIS
2185	TAMARISK	PORE_DIS
2219	UNNAMED	PORE_DIS
659	WAS_AREA	PORE_DIS
2280	ASPHALT	POROSITY
3171	BH_CREEP	POROSITY

Parameter Property Name

Parameter ID	Material	Parameter
3135	BH_OPEN	POROSITY
3159	BH_SAND	POROSITY
31	BOREHOLE	POROSITY
64	CASTILER	POROSITY
80	CAVITY_1	POROSITY
95	CAVITY_2	POROSITY
2053	CAVITY_3	POROSITY
2064	CAVITY_4	POROSITY
2331	CL_L_T1	POROSITY
2348	CL_L_T2	POROSITY
2365	CL_L_T3	POROSITY
3077	CL_L_T4	POROSITY
2382	CL_M_T1	POROSITY
2399	CL_M_T2	POROSITY
2416	CL_M_T3	POROSITY
2433	CL_M_T4	POROSITY
2450	CL_M_T5	POROSITY
2314	CLAY_BOT	POROSITY
3007	CLAY_RUS	POROSITY
3058	CONC_MON	POROSITY
3147	CONC_PLG	POROSITY
2467	CONC_T1	POROSITY
2484	CONC_T2	POROSITY
140	CULEBRA	POROSITY
158	DEWYLAKE	POROSITY
178	DRZ_0	POROSITY
195	DRZ_1	POROSITY
2500	EARTH	POROSITY
211	EXP_AREA	POROSITY
2088	FORTYNIN	POROSITY
233	IMPERM_Z	POROSITY
2100	MAGENTA	POROSITY
11	OPS_AREA	POROSITY
256	PAN_SEAL	POROSITY
2130	REPOSIT	POROSITY
528	S_ANH_AB	POROSITY
544	S_HALITE	POROSITY
567	S_MB138	POROSITY
588	S_MB139	POROSITY
2517	SALT_T1	POROSITY
2534	SALT_T2	POROSITY
2551	SALT_T3	POROSITY
2568	SALT_T4	POROSITY
2585	SALT_T5	POROSITY
2990	SALT_T6	POROSITY
341	SANTAROS	POROSITY
2186	TAMARISK	POROSITY
2220	UNNAMED	POROSITY
660	WAS_AREA	POROSITY
2282	ASPHALT	PRESSURE
33	BOREHOLE	PRESSURE

Parameter ID	Material	Parameter
66	CASTILER	PRESSURE
82	CAVITY_1	PRESSURE
97	CAVITY_2	PRESSURE
3101	CAVITY_3	PRESSURE
3103	CAVITY_4	PRESSURE
2333	CL_L_T1	PRESSURE
2384	CL_M_T1	PRESSURE
2316	CLAY_BOT	PRESSURE
3008	CLAY_RUS	PRESSURE
3114	CONC_MON	PRESSURE
2469	CONC_T1	PRESSURE
2485	CONC_T2	PRESSURE
142	CULEBRA	PRESSURE
160	DEWYLAKE	PRESSURE
2502	EARTH	PRESSURE
213	EXP_AREA	PRESSURE
2101	MAGENTA	PRESSURE
13	OPS_AREA	PRESSURE
258	PAN_SEAL	PRESSURE
546	S_HALITE	PRESSURE
569	S_MB138	PRESSURE
590	S_MB139	PRESSURE
2519	SALT_T1	PRESSURE
343	SANTAROS	PRESSURE
662	WAS_AREA	PRESSURE
2283	ASPHALT	PRMX_LOG
3183	BH_CREEP	PRMX_LOG
3134	BH_OPEN	PRMX_LOG
3184	BH_SAND	PRMX_LOG
34	BOREHOLE	PRMX_LOG
67	CASTILER	PRMX_LOG
83	CAVITY_1	PRMX_LOG
98	CAVITY_2	PRMX_LOG
2054	CAVITY_3	PRMX_LOG
2065	CAVITY_4	PRMX_LOG
2334	CL_L_T1	PRMX_LOG
2351	CL_L_T2	PRMX_LOG
2368	CL_L_T3	PRMX_LOG
3078	CL_L_T4	PRMX_LOG
2385	CL_M_T1	PRMX_LOG
2402	CL_M_T2	PRMX_LOG
2419	CL_M_T3	PRMX_LOG
2436	CL_M_T4	PRMX_LOG
2453	CL_M_T5	PRMX_LOG
2317	CLAY_BOT	PRMX_LOG
3009	CLAY_RUS	PRMX_LOG
3059	CONC_MON	PRMX_LOG
3185	CONC_PLG	PRMX_LOG
2470	CONC_T1	PRMX_LOG
2486	CONC_T2	PRMX_LOG
143	CULEBRA	PRMX_LOG

Parameter Property Name

Parameter ID	Material	Parameter
161	DEWYLAKE	PRMX_LOG
181	DRZ_0	PRMX_LOG
198	DRZ_1	PRMX_LOG
2503	EARTH	PRMX_LOG
214	EXP_AREA	PRMX_LOG
2899	FORTYNIN	PRMX_LOG
236	IMPERM_Z	PRMX_LOG
2102	MAGENTA	PRMX_LOG
14	OPS_AREA	PRMX_LOG
259	PAN_SEAL	PRMX_LOG
2131	REPOSIT	PRMX_LOG
531	S_ANH_AB	PRMX_LOG
547	S_HALITE	PRMX_LOG
570	S_MB138	PRMX_LOG
591	S_MB139	PRMX_LOG
344	SANTAROS	PRMX_LOG
3133	SHFT_DRZ	PRMX_LOG
2914	TAMARISK	PRMX_LOG
2911	UNNAMED	PRMX_LOG
663	WAS_AREA	PRMX_LOG
2284	ASPHALT	PRMY_LOG
3188	BH_CREEP	PRMY_LOG
3186	BH_OPEN	PRMY_LOG
3190	BH_SAND	PRMY_LOG
35	BOREHOLE	PRMY_LOG
68	CASTILER	PRMY_LOG
84	CAVITY_1	PRMY_LOG
99	CAVITY_2	PRMY_LOG
2055	CAVITY_3	PRMY_LOG
2066	CAVITY_4	PRMY_LOG
2335	CL_L_T1	PRMY_LOG
2352	CL_L_T2	PRMY_LOG
2369	CL_L_T3	PRMY_LOG
3079	CL_L_T4	PRMY_LOG
2386	CL_M_T1	PRMY_LOG
2403	CL_M_T2	PRMY_LOG
2420	CL_M_T3	PRMY_LOG
2437	CL_M_T4	PRMY_LOG
2454	CL_M_T5	PRMY_LOG
2318	CLAY_BOT	PRMY_LOG
3010	CLAY_RUS	PRMY_LOG
3060	CONC_MON	PRMY_LOG
3192	CONC_PLG	PRMY_LOG
2471	CONC_T1	PRMY_LOG
2487	CONC_T2	PRMY_LOG
144	CULEBRA	PRMY_LOG
162	DEWYLAKE	PRMY_LOG
182	DRZ_0	PRMY_LOG
199	DRZ_1	PRMY_LOG
2504	EARTH	PRMY_LOG
215	EXP_AREA	PRMY_LOG

Parameter ID	Material	Parameter
2900	FORTYNIN	PRMY_LOG
237	IMPERM_Z	PRMY_LOG
2103	MAGENTA	PRMY_LOG
15	OPS_AREA	PRMY_LOG
260	PAN_SEAL	PRMY_LOG
2132	REPOSIT	PRMY_LOG
532	S_ANH_AB	PRMY_LOG
548	S_HALITE	PRMY_LOG
571	S_MB138	PRMY_LOG
592	S_MB139	PRMY_LOG
345	SANTAROS	PRMY_LOG
2915	TAMARISK	PRMY_LOG
2912	UNNAMED	PRMY_LOG
664	WAS_AREA	PRMY_LOG
2285	ASPHALT	PRMZ_LOG
3189	BH_CREEP	PRMZ_LOG
3187	BH_OPEN	PRMZ_LOG
3191	BH_SAND	PRMZ_LOG
36	BOREHOLE	PRMZ_LOG
69	CASTILER	PRMZ_LOG
85	CAVITY_1	PRMZ_LOG
100	CAVITY_2	PRMZ_LOG
2056	CAVITY_3	PRMZ_LOG
2067	CAVITY_4	PRMZ_LOG
2336	CL_L_T1	PRMZ_LOG
2353	CL_L_T2	PRMZ_LOG
2370	CL_L_T3	PRMZ_LOG
3080	CL_L_T4	PRMZ_LOG
2387	CL_M_T1	PRMZ_LOG
2404	CL_M_T2	PRMZ_LOG
2421	CL_M_T3	PRMZ_LOG
2438	CL_M_T4	PRMZ_LOG
2455	CL_M_T5	PRMZ_LOG
2319	CLAY_BOT	PRMZ_LOG
3011	CLAY_RUS	PRMZ_LOG
3061	CONC_MON	PRMZ_LOG
3193	CONC_PLG	PRMZ_LOG
2472	CONC_T1	PRMZ_LOG
2488	CONC_T2	PRMZ_LOG
145	CULEBRA	PRMZ_LOG
163	DEWYLAKE	PRMZ_LOG
183	DRZ_0	PRMZ_LOG
200	DRZ_1	PRMZ_LOG
2505	EARTH	PRMZ_LOG
216	EXP_AREA	PRMZ_LOG
2901	FORTYNIN	PRMZ_LOG
238	IMPERM_Z	PRMZ_LOG
2104	MAGENTA	PRMZ_LOG
16	OPS_AREA	PRMZ_LOG
261	PAN_SEAL	PRMZ_LOG
2133	REPOSIT	PRMZ_LOG

Parameter Property Name

Parameter ID	Material	Parameter
533	S_ANH_AB	PRMZ_LOG
549	S_HALITE	PRMZ_LOG
572	S_MB138	PRMZ_LOG
593	S_MB139	PRMZ_LOG
346	SANTAROS	PRMZ_LOG
2916	TAMARISK	PRMZ_LOG
2913	UNNAMED	PRMZ_LOG
665	WAS_AREA	PRMZ_LOG
2824	REPOSIT	PROBDEG
2823	WAS_AREA	PROBDEG
3311	AM	PROPMIC
3314	NP	PROPMIC
3317	PU	PROPMIC
3320	TH	PROPMIC
3309	U	PROPMIC
2892	REFCON	PSIPA
3251	BLOWOUT	PSUF
38	BOREHOLE	PTINDEX
2906	NITRATE	QINIT
2909	SULFATE	QINIT
2893	REFCON	R
2933	ASPHALT	RADN_DRZ
3021	CL_L_T1	RADN_DRZ
3026	CL_L_T2	RADN_DRZ
3031	CL_L_T3	RADN_DRZ
3069	CL_L_T4	RADN_DRZ
3088	CL_M_T1	RADN_DRZ
3093	CL_M_T2	RADN_DRZ
3098	CL_M_T3	RADN_DRZ
2923	CL_M_T4	RADN_DRZ
2928	CL_M_T5	RADN_DRZ
3050	CONC_MON	RADN_DRZ
3040	CONC_T1	RADN_DRZ
3045	CONC_T2	RADN_DRZ
2938	SALT_T1	RADN_DRZ
2947	SALT_T2	RADN_DRZ
2955	SALT_T3	RADN_DRZ
2963	SALT_T4	RADN_DRZ
2971	SALT_T5	RADN_DRZ
2979	SALT_T6	RADN_DRZ
3456	BLOWOUT	RE_CAST
50	BRINESAL	REF_PRES
51	BRINESAL	REF_TEMP
2289	ASPHALT	REL_P_MOD
3173	BH_CREEP	REL_P_MOD
3137	BH_OPEN	REL_P_MOD
3161	BH_SAND	REL_P_MOD
40	BOREHOLE	REL_P_MOD
72	CASTILER	REL_P_MOD
88	CAVITY_1	REL_P_MOD
103	CAVITY_2	REL_P_MOD

Parameter ID	Material	Parameter
2058	CAVITY_3	REL_P_MOD
2069	CAVITY_4	REL_P_MOD
2340	CL_L_T1	REL_P_MOD
2357	CL_L_T2	REL_P_MOD
2374	CL_L_T3	REL_P_MOD
3081	CL_L_T4	REL_P_MOD
2391	CL_M_T1	REL_P_MOD
2408	CL_M_T2	REL_P_MOD
2425	CL_M_T3	REL_P_MOD
2442	CL_M_T4	REL_P_MOD
2459	CL_M_T5	REL_P_MOD
2323	CLAY_BOT	REL_P_MOD
3012	CLAY_RUS	REL_P_MOD
3062	CONC_MON	REL_P_MOD
3149	CONC_PLG	REL_P_MOD
2476	CONC_T1	REL_P_MOD
2492	CONC_T2	REL_P_MOD
148	CULEBRA	REL_P_MOD
166	DEWYLAKE	REL_P_MOD
186	DRZ_0	REL_P_MOD
203	DRZ_1	REL_P_MOD
2509	EARTH	REL_P_MOD
219	EXP_AREA	REL_P_MOD
2093	FORTYNIN	REL_P_MOD
241	IMPERM_Z	REL_P_MOD
2106	MAGENTA	REL_P_MOD
19	OPS_AREA	REL_P_MOD
264	PAN_SEAL	REL_P_MOD
2135	REPOSIT	REL_P_MOD
536	S_ANH_AB	REL_P_MOD
553	S_HALITE	REL_P_MOD
575	S_MB138	REL_P_MOD
596	S_MB139	REL_P_MOD
2526	SALT_T1	REL_P_MOD
2543	SALT_T2	REL_P_MOD
2560	SALT_T3	REL_P_MOD
2577	SALT_T4	REL_P_MOD
2594	SALT_T5	REL_P_MOD
2991	SALT_T6	REL_P_MOD
349	SANTAROS	REL_P_MOD
2191	TAMARISK	REL_P_MOD
2225	UNNAMED	REL_P_MOD
668	WAS_AREA	REL_P_MOD
3253	BLOWOUT	RGAS
3247	BLOWOUT	RHOS
3261	BOREHOLE	RHW_AR
3248	BLOWOUT	ROOM
3240	BOREHOLE	ROUGH_P
3249	BLOWOUT	R_PANEL
2929	ASPHALT	RSH_AIR
3017	CL_L_T1	RSH_AIR

Parameter Property Name

Parameter ID	Material	Parameter
3022	CL_L_T2	RSH_AIR
3027	CL_L_T3	RSH_AIR
3065	CL_L_T4	RSH_AIR
3084	CL_M_T1	RSH_AIR
3089	CL_M_T2	RSH_AIR
3094	CL_M_T3	RSH_AIR
2919	CL_M_T4	RSH_AIR
2924	CL_M_T5	RSH_AIR
2996	CLAY_RUS	RSH_AIR
3046	CONC_MON	RSH_AIR
3036	CONC_T1	RSH_AIR
3041	CONC_T2	RSH_AIR
3032	EARTH	RSH_AIR
2934	SALT_T1	RSH_AIR
2943	SALT_T2	RSH_AIR
2951	SALT_T3	RSH_AIR
2959	SALT_T4	RSH_AIR
2967	SALT_T5	RSH_AIR
2975	SALT_T6	RSH_AIR
2932	ASPHALT	RSH_EXH
3020	CL_L_T1	RSH_EXH
3025	CL_L_T2	RSH_EXH
3030	CL_L_T3	RSH_EXH
3068	CL_L_T4	RSH_EXH
3087	CL_M_T1	RSH_EXH
3092	CL_M_T2	RSH_EXH
3097	CL_M_T3	RSH_EXH
2922	CL_M_T4	RSH_EXH
2927	CL_M_T5	RSH_EXH
2999	CLAY_RUS	RSH_EXH
3049	CONC_MON	RSH_EXH
3039	CONC_T1	RSH_EXH
3044	CONC_T2	RSH_EXH
3035	EARTH	RSH_EXH
2937	SALT_T1	RSH_EXH
2946	SALT_T2	RSH_EXH
2954	SALT_T3	RSH_EXH
2962	SALT_T4	RSH_EXH
2970	SALT_T5	RSH_EXH
2978	SALT_T6	RSH_EXH
2930	ASPHALT	RSH_SAL
3018	CL_L_T1	RSH_SAL
3023	CL_L_T2	RSH_SAL
3028	CL_L_T3	RSH_SAL
3066	CL_L_T4	RSH_SAL
3085	CL_M_T1	RSH_SAL
3090	CL_M_T2	RSH_SAL
3095	CL_M_T3	RSH_SAL
2920	CL_M_T4	RSH_SAL
2925	CL_M_T5	RSH_SAL
2997	CLAY_RUS	RSH_SAL

Parameter ID	Material	Parameter
3047	CONC_MON	RSH_SAL
3037	CONC_T1	RSH_SAL
3042	CONC_T2	RSH_SAL
3033	EARTH	RSH_SAL
2935	SALT_T1	RSH_SAL
2944	SALT_T2	RSH_SAL
2952	SALT_T3	RSH_SAL
2960	SALT_T4	RSH_SAL
2968	SALT_T5	RSH_SAL
2976	SALT_T6	RSH_SAL
2931	ASPHALT	RSH_WAS
3019	CL_L_T1	RSH_WAS
3024	CL_L_T2	RSH_WAS
3029	CL_L_T3	RSH_WAS
3067	CL_L_T4	RSH_WAS
3086	CL_M_T1	RSH_WAS
3091	CL_M_T2	RSH_WAS
3096	CL_M_T3	RSH_WAS
2921	CL_M_T4	RSH_WAS
2926	CL_M_T5	RSH_WAS
2998	CLAY_RUS	RSH_WAS
3048	CONC_MON	RSH_WAS
3038	CONC_T1	RSH_WAS
3043	CONC_T2	RSH_WAS
3034	EARTH	RSH_WAS
2936	SALT_T1	RSH_WAS
2945	SALT_T2	RSH_WAS
2953	SALT_T3	RSH_WAS
2961	SALT_T4	RSH_WAS
2969	SALT_T5	RSH_WAS
2977	SALT_T6	RSH_WAS
52	BRINESAL	RSLOPE
2891	REFCON	RTK
167	DEWYLAKE	SAL_USAT
2290	ASPHALT	SAT_IBRN
73	CASTILER	SAT_IBRN
3099	CAVITY_1	SAT_IBRN
3100	CAVITY_2	SAT_IBRN
3102	CAVITY_3	SAT_IBRN
3104	CAVITY_4	SAT_IBRN
2341	CL_L_T1	SAT_IBRN
2392	CL_M_T1	SAT_IBRN
2324	CLAY_BOT	SAT_IBRN
3013	CLAY_RUS	SAT_IBRN
3115	CONC_MON	SAT_IBRN
2477	CONC_T1	SAT_IBRN
2493	CONC_T2	SAT_IBRN
149	CULEBRA	SAT_IBRN
168	DEWYLAKE	SAT_IBRN
187	DRZ_0	SAT_IBRN
2510	EARTH	SAT_IBRN

Parameter Property Name

Parameter ID	Material	Parameter
220	EXP_AREA	SAT_IBRN
20	OPS_AREA	SAT_IBRN
2734	PAN_SEAL	SAT_IBRN
2740	REPOSIT	SAT_IBRN
537	S_ANH_AB	SAT_IBRN
554	S_HALITE	SAT_IBRN
576	S_MB138	SAT_IBRN
597	S_MB139	SAT_IBRN
2527	SALT_T1	SAT_IBRN
350	SANTAROS	SAT_IBRN
669	WAS_AREA	SAT_IBRN
2291	ASPHALT	SAT_RBRN
3176	BH_CREEP	SAT_RBRN
3140	BH_OPEN	SAT_RBRN
3164	BH_SAND	SAT_RBRN
41	BOREHOLE	SAT_RBRN
74	CASTILER	SAT_RBRN
89	CAVITY_1	SAT_RBRN
104	CAVITY_2	SAT_RBRN
2235	CAVITY_3	SAT_RBRN
2237	CAVITY_4	SAT_RBRN
2342	CL_L_T1	SAT_RBRN
2359	CL_L_T2	SAT_RBRN
2376	CL_L_T3	SAT_RBRN
3082	CL_L_T4	SAT_RBRN
2393	CL_M_T1	SAT_RBRN
2410	CL_M_T2	SAT_RBRN
2427	CL_M_T3	SAT_RBRN
2444	CL_M_T4	SAT_RBRN
2461	CL_M_T5	SAT_RBRN
2325	CLAY_BOT	SAT_RBRN
3014	CLAY_RUS	SAT_RBRN
3063	CONC_MON	SAT_RBRN
3152	CONC_PLG	SAT_RBRN
2478	CONC_T1	SAT_RBRN
2494	CONC_T2	SAT_RBRN
150	CULEBRA	SAT_RBRN
169	DEWYLAKE	SAT_RBRN
188	DRZ_0	SAT_RBRN
205	DRZ_1	SAT_RBRN
2511	EARTH	SAT_RBRN
221	EXP_AREA	SAT_RBRN
2240	FORTYNIN	SAT_RBRN
243	IMPERM_Z	SAT_RBRN
2241	MAGENTA	SAT_RBRN
21	OPS_AREA	SAT_RBRN
265	PAN_SEAL	SAT_RBRN
2741	REPOSIT	SAT_RBRN
538	S_ANH_AB	SAT_RBRN
555	S_HALITE	SAT_RBRN
577	S_MB138	SAT_RBRN

Parameter ID	Material	Parameter
598	S_MB139	SAT_RBRN
2528	SALT_T1	SAT_RBRN
2545	SALT_T2	SAT_RBRN
2562	SALT_T3	SAT_RBRN
2579	SALT_T4	SAT_RBRN
2596	SALT_T5	SAT_RBRN
2992	SALT_T6	SAT_RBRN
351	SANTAROS	SAT_RBRN
2245	TAMARISK	SAT_RBRN
2248	UNNAMED	SAT_RBRN
670	WAS_AREA	SAT_RBRN
2292	ASPHALT	SAT_RGAS
3177	BH_CREEP	SAT_RGAS
3141	BH_OPEN	SAT_RGAS
3165	BH_SAND	SAT_RGAS
42	BOREHOLE	SAT_RGAS
75	CASTILER	SAT_RGAS
90	CAVITY_1	SAT_RGAS
105	CAVITY_2	SAT_RGAS
2059	CAVITY_3	SAT_RGAS
2070	CAVITY_4	SAT_RGAS
2343	CL_L_T1	SAT_RGAS
2360	CL_L_T2	SAT_RGAS
2377	CL_L_T3	SAT_RGAS
3083	CL_L_T4	SAT_RGAS
2394	CL_M_T1	SAT_RGAS
2411	CL_M_T2	SAT_RGAS
2428	CL_M_T3	SAT_RGAS
2445	CL_M_T4	SAT_RGAS
2462	CL_M_T5	SAT_RGAS
2326	CLAY_BOT	SAT_RGAS
3015	CLAY_RUS	SAT_RGAS
3064	CONC_MON	SAT_RGAS
3153	CONC_PLG	SAT_RGAS
2479	CONC_T1	SAT_RGAS
2495	CONC_T2	SAT_RGAS
151	CULEBRA	SAT_RGAS
170	DEWYLAKE	SAT_RGAS
189	DRZ_0	SAT_RGAS
206	DRZ_1	SAT_RGAS
2512	EARTH	SAT_RGAS
222	EXP_AREA	SAT_RGAS
2094	FORTYNIN	SAT_RGAS
244	IMPERM_Z	SAT_RGAS
2107	MAGENTA	SAT_RGAS
22	OPS_AREA	SAT_RGAS
266	PAN_SEAL	SAT_RGAS
2137	REPOSIT	SAT_RGAS
539	S_ANH_AB	SAT_RGAS
556	S_HALITE	SAT_RGAS
578	S_MB138	SAT_RGAS

Parameter Property Name

Parameter ID	Material	Parameter
599	S_MB139	SAT_RGAS
2529	SALT_T1	SAT_RGAS
2546	SALT_T2	SAT_RGAS
2563	SALT_T3	SAT_RGAS
2580	SALT_T4	SAT_RGAS
2597	SALT_T5	SAT_RGAS
2993	SALT_T6	SAT_RGAS
352	SANTAROS	SAT_RGAS
2192	TAMARISK	SAT_RGAS
2226	UNNAMED	SAT_RGAS
671	WAS_AREA	SAT_RGAS
2231	WAS_AREA	SAT_WICK
3112	REFCON	SECYR
3469	CULEBRA	SKIN_RES
3263	SOLAM3	SOLCIM
3402	SOLMOD3	SOLCIM
3403	SOLMOD4	SOLCIM
3404	SOLMOD5	SOLCIM
3405	SOLMOD6	SOLCIM
3264	SOLPU3	SOLCIM
3389	SOLPU4	SOLCIM
3392	SOLU6	SOLCIM
3262	SOLAM3	SOLSIM
3406	SOLMOD3	SOLSIM
3407	SOLMOD4	SOLSIM
3408	SOLMOD5	SOLSIM
3409	SOLMOD6	SOLSIM
3265	SOLPU3	SOLSIM
3266	SOLPU4	SOLSIM
3393	SOLTH4	SOLSIM
3390	SOLU4	SOLSIM
3391	SOLU6	SOLSIM
2898	STEEL	STOIFX
3257	BLOWOUT	SUFTEN
3491	GLOBAL	TA

Parameter ID	Material	Parameter
2254	BOREHOLE	TAUFAIL
2827	REFCON	TC_CH4
2826	REFCON	TC_CO2
2825	REFCON	TC_H2
2829	REFCON	TC_H2S
2828	REFCON	TC_N2
2830	REFCON	TC_O2
3473	BLOWOUT	THCK_CAS
2071	CULEBRA	THICK
2109	MAGENTA	THICK
962	DRZ_0	TORTUSTY
1702	S_ANH_AB	TORTUSTY
1742	S_HALITE	TORTUSTY
3499	GLOBAL	TPICD
3498	GLOBAL	TPICM
225	GLOBAL	TRANSIDX
3258	BLOWOUT	TREPO
3252	BLOWOUT	VISC
55	BRINESAL	VISCO
172	DRILLMUD	VISCO
228	H2	VISCO
2141	REPOSIT	VOLCHW
2232	WAS_AREA	VOLCHW
2142	REPOSIT	VOLRHW
2233	WAS_AREA	VOLRHW
2918	CASTILER	VOLUME
3490	REFCON	VOLWP
3107	REFCON	VPANLEX
3108	REFCON	VREPOS
3105	REFCON	VROOM
57	BRINESAL	WTF
3414	BOREHOLE	WUF
173	DRILLMUD	YLDSTRSS
2888	REFCON	YRSEC
3110	REFCON	ZCINK

Appendix C

Parameters Whose Underlying Data Were Qualified by Peer Review

Parameters Whose Underlying Data Were Qualified by Peer Review

ID	Material ID	Material Name	Parameter ID	Parameter Name
48	BRINESAL	Salado Brine	COMPRES	Brine Compressibility
49	BRINESAL	Salado Brine	DNSFLUID	Brine Density
55	BRINESAL	Salado Brine	VISCO	Viscosity of H2 gas at 27 degrees Celsius and 0.101325 MPa
57	BRINESAL	Salado Brine	WTF	Mass fraction of salt in brine
61	CASTILER	Castile Brine Reservoir	COMP_RCK	Bulk Compressibility
64	CASTILER	Castile Brine Reservoir	POROSITY	Effective porosity
66	CASTILER	Castile Brine Reservoir	PRESSURE	Brine far-field pore pressure
67	CASTILER	Castile Brine Reservoir	PRMX_LOG	Log of intrinsic permeability, X-direction
68	CASTILER	Castile Brine Reservoir	PRMY_LOG	Log of intrinsic permeability, Y-direction
69	CASTILER	Castile Brine Reservoir	PRMZ_LOG	Log of intrinsic permeability, Z-direction
2918	CASTILER	Castile Brine Reservoir	VOLUME	Total Reservoir Volume
843	CULEBRA	Culebra member of the Rustler formation	DNSGRAIN	Material Grain Density
2071	CULEBRA	Culebra member of the Rustler formation	THICK	Thickness of feature or layer
3487	CULEBRA	Culebra member of the Rustler formation	APOROS	Culebra Advective Porosity
3486	CULEBRA	Culebra member of the Rustler formation	DPOROS	Diffusive Porosity for Culebra Dolomite
3474	CULEBRA	Culebra member of the Rustler formation	DTORT	Diffusive Tortuosity
3474	CULEBRA	Culebra member of the Rustler formation	DTORT	Diffusive Tortuosity
3485	CULEBRA	Culebra member of the Rustler formation	HMBLKL	Culebra Half Matrix-Block Length
3418	CULEBRA	Culebra member of the Rustler formation	MEA_STOR	Measured Storativity
175	DRZ_0	Disturbed rock zone; time period -5 to 0 years	COMP_RCK	Bulk Compressibility
191	DRZ_1	Disturbed rock zone; time period 0 to 10,000 years	COMP_RCK	Bulk Compressibility
541	S_HALITE	Salado halite, intact	COMP_RCK	Bulk Compressibility
546	S_HALITE	Salado halite, intact	PRESSURE	Brine far-field pore pressure
343	SANTAROS	Santa Rosa Formation	PRESSURE	Brine far-field pore pressure
3263	SOLAM3	Solubility Multiplier for Am+3	SOLCIM	Solubility Mult. in Castile Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3
3262	SOLAM3	Solubility Multiplier for Am+3	SOLSIM	Solubility Mult. in Salado Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3
3402	SOLMOD3	Oxidation state III model	SOLCIM	Solubility Mult. in Castile Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3
3406	SOLMOD3	Oxidation state III model	SOLSIM	Solubility Mult. in Salado Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3
3403	SOLMOD4	Oxidation state IV model	SOLCIM	Solubility Mult. in Castile Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3
3407	SOLMOD4	Oxidation state IV model	SOLSIM	Solubility Mult. in Salado Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3
3404	SOLMOD5	Oxidation state V model	SOLCIM	Solubility Mult. in Castile Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3
3408	SOLMOD5	Oxidation state V model	SOLSIM	Solubility Mult. in Salado Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3
3405	SOLMOD6	Oxidation state VI model	SOLCIM	Solubility Mult. in Castile Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3
3264	SOLPU3	Solubility Multiplier for Pu+3	SOLCIM	Solubility Mult. in Castile Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3

Parameters Whose Underlying Data Were Qualified by Peer Review

ID	Material ID	Material Name	Parameter ID	Parameter Name
3265	SOLPU3	Solubility Multiplier for Pu+3	SOLSIM	Solubility Mult. in Salado Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3
3389	SOLPU4	Solubility Multiplier for Pu+4	SOLCIM	Solubility Mult. in Castile Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3
3266	SOLPU4	Solubility Multiplier for Pu+4	SOLSIM	Solubility Mult. in Salado Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3
3393	SOLTH4	Solubility Multiplier for Th+4	SOLSIM	Solubility Mult. in Salado Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3
3390	SOLU4	Solubility Multiplier for U+4	SOLSIM	Solubility Mult. in Salado Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3
3392	SOLU6	Solubility Multiplier for U+6	SOLCIM	Solubility Mult. in Castile Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3
3391	SOLU6	Solubility Multiplier for U+6	SOLSIM	Solubility Mult. in Salado Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3
3409	SOLMOD6	Oxidation state VI model	SOLSIM	Solubility Mult. in Salado Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3
2467	CONC_T1	Concrete column: 0 to 400 years	POROSITY	Effective porosity
2470	CONC_T1	Concrete column: 0 to 400 years	PRMX_LOG	Log of intrinsic permeability, X-direction
2471	CONC_T1	Concrete column: 0 to 400 years	PRMY_LOG	Log of intrinsic permeability, Y-direction
2472	CONC_T1	Concrete column: 0 to 400 years	PRMZ_LOG	Log of intrinsic permeability, Z-direction
2484	CONC_T2	Concrete column: 400 to 10K years	POROSITY	Effective porosity
2486	CONC_T2	Concrete column: 400 to 10K years	PRMX_LOG	Log of intrinsic permeability, X-direction
2487	CONC_T2	Concrete column: 400 to 10K years	PRMY_LOG	Log of intrinsic permeability, Y-direction
2488	CONC_T2	Concrete column: 400 to 10K years	PRMZ_LOG	Log of intrinsic permeability, Z-direction
2514	SALT_T1	Shaft salt column compacted: time 0 to 10 years	COMP_RCK	Bulk Compressibility
2942	SALT_T1	Shaft salt column compacted: time 0 to 10 years	PMLT_HI	Log triangular distribution high value for permeability
2941	SALT_T1	Shaft salt column compacted: time 0 to 10 years	PMLT_LO	Log triangular distribution low value for permeability
2940	SALT_T1	Shaft salt column compacted: time 0 to 10 years	PMLT_MD	Log triangular distribution mode for permeability
2531	SALT_T2	Shaft salt column compacted: time 10 to 25 years	COMP_RCK	Bulk Compressibility
2950	SALT_T2	Shaft salt column compacted: time 10 to 25 years	PMLT_HI	Log triangular distribution high value for permeability
2949	SALT_T2	Shaft salt column compacted: time 10 to 25 years	PMLT_LO	Log triangular distribution low value for permeability
2948	SALT_T2	Shaft salt column compacted: time 10 to 25 years	PMLT_MD	Log triangular distribution mode for permeability
2548	SALT_T3	Shaft salt column compacted: time 25 to 50 years	COMP_RCK	Bulk Compressibility
2958	SALT_T3	Shaft salt column compacted: time 25 to 50 years	PMLT_HI	Log triangular distribution high value for permeability
2957	SALT_T3	Shaft salt column compacted: time 25 to 50 years	PMLT_LO	Log triangular distribution low value for permeability
2956	SALT_T3	Shaft salt column compacted: time 25 to 50 years	PMLT_MD	Log triangular distribution mode for permeability

Parameters Whose Underlying Data Were Qualified by Peer Review

ID	Material ID	Material Name	Parameter ID	Parameter Name
2565	SALT_T4	Shaft salt column compacted: time 50 to 100 years	COMP_RCK	Bulk Compressibility
2966	SALT_T4	Shaft salt column compacted: time 50 to 100 years	PMLT_HI	Log triangular distribution high value for permeability
2965	SALT_T4	Shaft salt column compacted: time 50 to 100 years	PMLT_LO	Log triangular distribution low value for permeability
2964	SALT_T4	Shaft salt column compacted: time 50 to 100 years	PMLT_MD	Log triangular distribution mode for permeability
2582	SALT_T5	Shaft salt column compacted: time 100 to 200 years	COMP_RCK	Bulk Compressibility
2974	SALT_T5	Shaft salt column compacted: time 100 to 200 years	PMLT_HI	Log triangular distribution high value for permeability
2973	SALT_T5	Shaft salt column compacted: time 100 to 200 years	PMLT_LO	Log triangular distribution low value for permeability
2972	SALT_T5	Shaft salt column compacted: time 100 to 200 years	PMLT_MD	Log triangular distribution mode for permeability
2984	SALT_T6	Shaft salt column compacted: time 200 to 10K years	COMP_RCK	Bulk Compressibility
2982	SALT_T6	Shaft salt column compacted: time 200 to 10K years	PMLT_HI	Log triangular distribution high value for permeability
2981	SALT_T6	Shaft salt column compacted: time 200 to 10K years	PMLT_LO	Log triangular distribution low value for permeability
2980	SALT_T6	Shaft salt column compacted: time 200 to 10K years	PMLT_MD	Log triangular distribution mode for permeability
2334	CL_L_T1	Lower Salado clay: 0 to 10 years	PRMX_LOG	Log of intrinsic permeability, X-direction
2335	CL_L_T1	Lower Salado clay: 0 to 10 years	PRMY_LOG	Log of intrinsic permeability, Y-direction
2336	CL_L_T1	Lower Salado clay: 0 to 10 years	PRMZ_LOG	Log of intrinsic permeability, Z-direction
2351	CL_L_T2	Lower Salado clay: 10 to 25 years	PRMX_LOG	Log of intrinsic permeability, X-direction
2352	CL_L_T2	Lower Salado clay: 10 to 25 years	PRMY_LOG	Log of intrinsic permeability, Y-direction
2353	CL_L_T2	Lower Salado clay: 10 to 25 years	PRMZ_LOG	Log of intrinsic permeability, Z-direction
2368	CL_L_T3	Lower Salado clay: 25 to 50 years	PRMX_LOG	Log of intrinsic permeability, X-direction
2369	CL_L_T3	Lower Salado clay: 25 to 50 years	PRMY_LOG	Log of intrinsic permeability, Y-direction
2370	CL_L_T3	Lower Salado clay: 25 to 50 years	PRMZ_LOG	Log of intrinsic permeability, Z-direction
2385	CL_M_T1	Upper Salado clay: 0 to 10 years	PRMX_LOG	Log of intrinsic permeability, X-direction
2386	CL_M_T1	Upper Salado clay: 0 to 10 years	PRMY_LOG	Log of intrinsic permeability, Y-direction
2387	CL_M_T1	Upper Salado clay: 0 to 10 years	PRMZ_LOG	Log of intrinsic permeability, Z-direction
2402	CL_M_T2	Upper Salado clay: 10 to 25 years	PRMX_LOG	Log of intrinsic permeability, X-direction
2403	CL_M_T2	Upper Salado clay: 10 to 25 years	PRMY_LOG	Log of intrinsic permeability, Y-direction
2404	CL_M_T2	Upper Salado clay: 10 to 25 years	PRMZ_LOG	Log of intrinsic permeability, Z-direction
2419	CL_M_T3	Upper Salado clay: 25 to 50 years	PRMX_LOG	Log of intrinsic permeability, X-direction

Parameters Whose Underlying Data Were Qualified by Peer Review

ID	Material ID	Material Name	Parameter ID	Parameter Name
2420	CL_M_T3	Upper Salado clay: 25 to 50 years	PRMY_LOG	Log of intrinsic permeability, Y-direction
2421	CL_M_T3	Upper Salado clay: 25 to 50 years	PRMZ_LOG	Log of intrinsic permeability, Z-direction
2436	CL_M_T4	Upper Salado clay: 50 to 100 years	PRMX_LOG	Log of intrinsic permeability, X-direction
2437	CL_M_T4	Upper Salado clay: 50 to 100 years	PRMY_LOG	Log of intrinsic permeability, Y-direction
2438	CL_M_T4	Upper Salado clay: 50 to 100 years	PRMZ_LOG	Log of intrinsic permeability, Z-direction
2453	CL_M_T5	Upper Salado clay: 100 to 10K years	PRMX_LOG	Log of intrinsic permeability, X-direction
2454	CL_M_T5	Upper Salado clay: 100 to 10K years	PRMY_LOG	Log of intrinsic permeability, Y-direction
2455	CL_M_T5	Upper Salado clay: 100 to 10K years	PRMZ_LOG	Log of intrinsic permeability, Z-direction
2317	CLAY_BOT	Shaft Bottom Clay	PRMX_LOG	Log of intrinsic permeability, X-direction
2318	CLAY_BOT	Shaft Bottom Clay	PRMY_LOG	Log of intrinsic permeability, Y-direction
2319	CLAY_BOT	Shaft Bottom Clay	PRMZ_LOG	Log of intrinsic permeability, Z-direction
3009	CLAY_RUS	Clay seals in Rustler formation	PRMX_LOG	Log of intrinsic permeability, X-direction
3010	CLAY_RUS	Clay seals in Rustler formation	PRMY_LOG	Log of intrinsic permeability, Y-direction
3011	CLAY_RUS	Clay seals in Rustler formation	PRMZ_LOG	Log of intrinsic permeability, Z-direction
223	GLOBAL	Information that applies globally	CLIMTIDX	Climate Index
3078	CL_L_T4	Lower Salado clay: 50 to 10K years	PRMX_LOG	Log of intrinsic permeability, X-direction
3079	CL_L_T4	Lower Salado clay: 50 to 10K years	PRMY_LOG	Log of intrinsic permeability, Y-direction
3080	CL_L_T4	Lower Salado clay: 50 to 10K years	PRMZ_LOG	Log of intrinsic permeability, Z-direction
3058	CONC_MON	Degraded concrete monolith at shaft base	POROSITY	Effective porosity
3059	CONC_MON	Degraded concrete monolith at shaft base	PRMX_LOG	Log of intrinsic permeability, X-direction
3060	CONC_MON	Degraded concrete monolith at shaft base	PRMY_LOG	Log of intrinsic permeability, Y-direction
3061	CONC_MON	Degraded concrete monolith at shaft base	PRMZ_LOG	Log of intrinsic permeability, Z-direction
580	S_MB139	Salado marker bed 139, intact and fractured	COMP_RCK	Bulk Compressibility
590	S_MB139	Salado marker bed 139, intact and fractured	PRESSURE	Brine far-field pore pressure
142	CULEBRA	Culebra member of the Rustler formation	PRESSURE	Brine far-field pore pressure
143	CULEBRA	Culebra member of the Rustler formation	PRMX_LOG	Log of intrinsic permeability, X-direction
144	CULEBRA	Culebra member of the Rustler formation	PRMY_LOG	Log of intrinsic permeability, Y-direction
145	CULEBRA	Culebra member of the Rustler formation	PRMZ_LOG	Log of intrinsic permeability, Z-direction
160	DEWYLAK	Dewey Lake Red Beds	PRESSURE	Brine far-field pore pressure
161	DEWYLAK	Dewey Lake Red Beds	PRMX_LOG	Log of intrinsic permeability, X-direction
162	DEWYLAK	Dewey Lake Red Beds	PRMY_LOG	Log of intrinsic permeability, Y-direction
163	DEWYLAK	Dewey Lake Red Beds	PRMZ_LOG	Log of intrinsic permeability, Z-direction
2101	MAGENTA	Magenta Member	PRESSURE	Brine far-field pore pressure
2102	MAGENTA	Magenta Member	PRMX_LOG	Log of intrinsic permeability, X-direction
2103	MAGENTA	Magenta Member	PRMY_LOG	Log of intrinsic permeability, Y-direction
2104	MAGENTA	Magenta Member	PRMZ_LOG	Log of intrinsic permeability, Z-direction

Parameters Whose Underlying Data Were Qualified by Peer Review

ID	Material ID	Material Name	Parameter ID	Parameter Name
547	S_HALITE	Salado halite, intact	PRMX_LOG	Log of intrinsic permeability, X-direction
548	S_HALITE	Salado halite, intact	PRMY_LOG	Log of intrinsic permeability, Y-direction
549	S_HALITE	Salado halite, intact	PRMZ_LOG	Log of intrinsic permeability, Z-direction
663	WAS_AREA	Waste emplacement area and waste	PRMX_LOG	Log of intrinsic permeability, X-direction
664	WAS_AREA	Waste emplacement area and waste	PRMY_LOG	Log of intrinsic permeability, Y-direction
665	WAS_AREA	Waste emplacement area and waste	PRMZ_LOG	Log of intrinsic permeability, Z-direction
3259	BLOWOUT	BRAGFLOW Direct Brine Releases	APORO	Waste permeability in CUTTINGS model
3462	CULEBRA	Culebra member of the Rustler formation	ETHICK	Effective Thickness
3499	GLOBAL	Information that applies globally	TPICD	Time over which passive institutional controls reduce rate of drilling

Appendix D
T=0 for SNL Subcontractors

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Sandia National Laboratories

Operated for the U.S. Department of Energy by
Sandia Corporation
Albuquerque, New Mexico 87185-1395

date: November 26, 1997

to: Susan M. Howarth, MS1335

from:
Jose A. Archuleta, 6811 MS1395

subject: Updated Summary of T=0 Activities

Please use the attached updated T=0 Matrix to supplement Table 5-6 of the Compliance Certification Application (CCA). This matrix summarizes the activities reviewed by the T=0 Process defined by WIPP QAP 20-7, Revision 0, "Establishing T=0 for Internal and External Experiment Activity QA Programs" (effective 11/20/96) or its predecessor WIPP Desk Instruction "Establishing T=0 for Subcontractor QA Programs" (effective 10/27/95). The T=0 dates shown on the matrix match the T=0 dates established on the corresponding checklist developed for each individual activity. All checklists have concurrence from the responsible Principal Investigator (PI) and the WIPP QA Chief.

There are two corrections to Table 5-6. The T=0 date for contract AG-4910, INTERA, is 6/94 and the T=0 date for contract AA-2020, RE/SPEC, is 8/92. Also shown on the matrix are the WPO numbers which have been assigned to each document and are a quick reference when requesting copies of the checklists from the SWCF.

Please call me at 234-0060 or Greg Miller at 848-0330 if you have any questions regarding this memo or the attached matrix.

Cc:

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S. Y. Pickering
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L. C. Meigs

SWCF-A:1.4.01.5:T=0;QA;COR;Updated Summary of T=0 activities (2)

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T=0 MATRIX (as of 11/11/97)

Page 3 of 3

Item	Activity	SNL PI/Contractor	Contract No.	Procedure	Audit Basis	WPO # For Cover Letter and Checklist	T=0 Date	Supplement Memo WPO#
19	Series A&B Re-Testing; Small Scale Seals Performance Tests	Kathy Knowles	Internal	QAP 20-7 (11/20/96)	IA 95-03	45221	Nov-93	N/A
20	Culebra Tracer Testing and Well Program (H19)	Rick Beauheim	Internal	QAP 20-7 (11/20/96)	IA 95-03	44763	Jan-95	N/A
21	Colloid Characterization and Transport	Hans Papenguth	Internal	QAP 20-7 (11/20/96)	IA 95-03	44761	Jan-93	N/A
22	Non-Salado Absorption Studies	Larry Brush	Internal	QAP 20-7 (11/20/96)	IA 95-03	44762	Jan-93	N/A
23	Geologic and Hydrogeologic Support and Modeling at the WIPP Site	Rick Beauheim/INTERA *Note: The T=0 Process was superseded by the QED Process defined by QAP 20-3.	Internal 63-5605	QAP 20-7 (11/20/96) *See note	EA 94-06 IA 95-03	43487 45253	N/A * See note	46673 * See note IRT Review on DRP WPO# 42269
24	SSSPT-Series D, Phase 2 Brine Flow Tests	Kathy Knowles	Internal	QAP 20-7 (11/20/96)	IA 95-03	46159	Mar-95	N/A

D-4

T=0 MATRIX (as of 11/11/97)

Page 2 of 3

Item	Activity	SNL PI/Contractor	Contract No.	Procedure	Audit Basis	WPO # For Cover Letter and Checklist	T=0 Date	Supplement Memo WPO#
10	Shaft Seals Design	Parsons-Brinkerhoff (Al Dennis)	AG-4909	Desk Instruction (10/27/95)	EA 95-10	41878	Mar-94	44359
11	Fluid Flow Analysis for Shaft Seal Design	INTERA (Al Dennis)	AG-4910	Desk Instruction (10/27/95)	EA 95-11	41875	Jun-94	N/A
12	Salado 2-Phase Flow	Core Laboratories (Susan Howarth)	AF-3945	Desk Instruction (10/27/95)	EA 94-04	42351	May-93	44360
13	Anhydrite Marker Bed 139	RE/SPEC Inc (Susan Howarth)	AA-2020	QAP 20-7 (11/20/96)	EA 94-05	47965	Aug-92	N/A
14	Porosity and Permeability	TerraTek Inc (Susan Howarth)	AD-3656	QAP 20-7 (11/20/96)	EA 93-04	44759	Feb-93	N/A
15	Anoxic Corrosion of Metals	PNL Battelle (Larry Brush)	AJ-1365	QAP 20-7 (11/20/96)	EA 95-12	44760	Feb-94	N/A
16	Retardation of Radionuclide Transport	Dan Lucero	Internal	QAP 20-7 (11/20/96)	IA 95-03	45221	Oct-94	N/A
17	DRZ Characterization in Air Intake Shaft	Kathy Knowles	Internal	QAP 20-7 (11/20/96)	IA 95-03	45221	Jul-95	N/A
18	DRZ Characterization in Room D	Kathy Knowles	Internal	QAP 20-7 (11/20/96)	IA 95-03	45221	Feb-95	N/A

D-5

Item	Activity	SNL PI/Contractor	Contract No.	Procedure	Audit Basis	WPO # For Cover Letter and Checklist	T=0 Date	Supplement Memo WPO#
1	+5 Actinide Solution	Lawrence Berkely National Laboratory (Craig Novak)	AH-5592	Desk Instruction (10/27/95)	EA 94-07	41879	Sept-93	44301
2	Bentonite Specification	University of Nevada Reno (Frank Hansen)	AG-4915	Desk Instruction (10/27/95)	IA 95-01	41877 44297	Jan-95	44299
3	Organic Ligand Complexation	Florida State University (Bob Moore)	AH-5590	Desk Instruction (10/27/95)	EA 95-02	41876	Jul-94	44304
4	+3 and +4 Actinide Solubility	PNL Battelle (Craig Novak)	AF-3339	Desk Instruction (10/27/95)	EA 95-01	41874	Dec-93	44303
5	Culebra Tracer Tests	University of Nevada Las Vegas (Lucy Meigs)	AJ-8745	Desk Instruction (10/27/95)	EA95-04	42034 44296	Apr-95	44306
6	Actinide Source Term	Stanford University (Malcolm Siegel)	AG-4979	Desk Instruction (10/27/95)	EA 95-05	42035	Nov-94	44307
7	Colloids-Studies of Actinide Colloids in WIPP Brine	Lawrence Livermore National Laboratory (Hans Papenguth)	AG-4965 AF-3341	Desk Instruction (10/27/95)	EA 95-13	41873	Apr-95	44358
8	Tertiary Creep Studies	RE/SPEC Inc (Al Dennis)	AF-3334	Desk Instruction (10/27/95)	EA 95-06	42036	May-94	44357
9	Structural and Rock Mechanics	RE/SPEC Inc (Al Dennis)	AG-4911	Desk Instruction (10/27/95)	EA 95-06	41872	Apr-94	44357

Appendix E

4B Cross Reference Memorandum

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WPD 44201

This will be attached to
every 4B 464 form.

NOT FOR RELEASE

Sandia National Laboratories

Operated for the U.S. Department of Energy by
Sandia Corporation

Albuquerque, New Mexico 87185-

date: March 3, 1997

to Susan Howarth

Mary-Alicia Martell
from: Mary-Alicia Martell, 6849

subject: Cross Reference of Category 4B Parameters to the Analysis Package for the Code utilizing the parameter.

This memo is sent to provide information correlating the 4B parameters listed in the Ingres CCA WIPP parameter database and the analyses package write-up for each code utilizing the parameter. The analysis packages are:

- 1) Analysis Package for the Salado Flow Calculations (Task 1) of the Performance Assessment Analyses Supporting the Compliance Certification Application WPO# 40514 (BRAGFLO).
- 2) Analysis Package for the Salado Transport Calculations (Task 2) of the Performance Assessment Analyses Supporting the Compliance Certification Application WPO# 40515 (NUTS, PANEL).
- 3) Analysis Package for the Culebra Flow and Transport Calculations (Task 3) of the Performance Assessment Analyses Supporting the Compliance Certification Application WPO# 40516 (SECO_FL and SECO_TP).
- 4) Analysis Package for the BRAGFLO Direct Release Calculations (Task 4) of the Performance Assessment Analyses Supporting the Compliance Certification Application WPO# 40520 and (BRAGFLO_DBR).
- 5) Analysis Package for the Cuttings and Spalling Calculations (Tasks 5 and 6) of the Performance Assessment Analyses Supporting the Compliance Certification Application WPO# 40521 (CUTTINGS_S).
- 6) Analysis Package for the CCDF Construction (Tasks 7) of the Performance Assessment Analyses Supporting the Compliance Certification Application WPO# 40524 (CCDFGF)

The parameters are separated in Table 1 (parameters for BRAGFLO, NUTS, PANEL, CUTTINGS_S, BRAGFLO_DBR, SECO_FL and SECO_TP) and Table 2 (parameters for CCDFGF). CCDFGF parameters are distinguished from the other parameters due to the difference in the naming process used in the analysis package.

Table 1

id	idpram	idmtrl	impt	analysis writeup wpo/or other	section, page #, or table
58	AREA FRC	CASTLER	4B	SAND92/0700/3	pg 5-1
2276	CAP MOD	ASPHALT	4B	wpo40514	sect. 4.2.4
2599	KPT	ASPHALT	4B	wpo40514	sect. 4.2.4
2278	PC MAX	ASPHALT	4B	wpo40514	sect. 4.2.4
2281	PO MIN	ASPHALT	4B	wpo40514	sect. 4.2.4
2289	RELP_MOD	ASPHALT	4B	wpo40514	sect. 4.2.4

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2929	RSR_AIR	ASPHALT	4B	wpo40514	sect. 4.2.4	
2932	RSR_EXH	ASPHALT	4B	wpo40514	sect. 4.2.4	
2930	RSR_SAL	ASPHALT	4B	wpo40514	sect. 4.2.4	
2931	RSR_WAS	ASPHALT	4B	wpo40514	sect. 4.2.4	
3174	CAP_MOD	BH_CREEP	4B	wpo40514	sect. 4.2.4	
3172	COMP_RCK	BH_CREEP	4B	wpo40514	sect. 4.2.4	
3180	KPT	BH_CREEP	4B	wpo40514	sect. 4.2.4	
3175	PC_MAX	BH_CREEP	4B	wpo40514	sect. 4.2.4	
3181	PCT_A	BH_CREEP	4B	wpo40514	sect. 4.2.4	
3182	PCT_EXP	BH_CREEP	4B	wpo40514	sect. 4.2.4	
3179	PO_MIN	BH_CREEP	4B	wpo40514	sect. 4.2.4	
3178	PORE_DIS	BH_CREEP	4B	wpo40514	sect. 4.2.4	
3171	POROSITY	BH_CREEP	4B	wpo40514	sect. 4.2.4	
3173	REL_P_MOD	BH_CREEP	4B	wpo40514	sect. 4.2.4	
3176	SAT_RBRN	BH_CREEP	4B	wpo40514	sect. 4.2.4	
3177	SAT_RGAS	BH_CREEP	4B	wpo40514	sect. 4.2.4	
3138	CAP_MOD	BH_OPEN	4B	wpo40514	sect. 4.2.4	
3136	COMP_RCK	BH_OPEN	4B	wpo40514	sect. 4.2.4	
3144	KPT	BH_OPEN	4B	wpo40514	sect. 4.2.4	
3139	PC_MAX	BH_OPEN	4B	wpo40514	sect. 4.2.4	
3145	PCT_A	BH_OPEN	4B	wpo40514	sect. 4.2.4	
3146	PCT_EXP	BH_OPEN	4B	wpo40514	sect. 4.2.4	
3143	PO_MIN	BH_OPEN	4B	wpo40514	sect. 4.2.4	
3142	PORE_DIS	BH_OPEN	4B	wpo40514	sect. 4.2.4	
3135	POROSITY	BH_OPEN	4B	wpo40514	sect. 4.2.4	
3134	PRMX_LOG	BH_OPEN	4B	wpo40514	sect. 4.2.4	
3186	PRMY_LOG	BH_OPEN	4B	wpo40514	sect. 4.2.4	
3187	PRMZ_LOG	BH_OPEN	4B	wpo40514	sect. 4.2.4	
3137	REL_P_MOD	BH_OPEN	4B	wpo40514	sect. 4.2.4	
3140	SAT_RBRN	BH_OPEN	4B	wpo40514	sect. 4.2.4	
3141	SAT_RGAS	BH_OPEN	4B	wpo40514	sect. 4.2.4	
3162	CAP_MOD	BH_SAND	4B	wpo40514	sect. 4.2.4	
3160	COMP_RCK	BH_SAND	4B	wpo40514	sect. 4.2.4	
3168	KPT	BH_SAND	4B	wpo40514	sect. 4.2.4	
3163	PC_MAX	BH_SAND	4B	wpo40514	sect. 4.2.4	
3169	PCT_A	BH_SAND	4B	wpo40514	sect. 4.2.4	
3170	PCT_EXP	BH_SAND	4B	wpo40514	sect. 4.2.4	
3167	PO_MIN	BH_SAND	4B	wpo40514	sect. 4.2.4	
3166	PORE_DIS	BH_SAND	4B	wpo40514	sect. 4.2.4	
3159	POROSITY	BH_SAND	4B	wpo40514	sect. 4.2.4	
3161	REL_P_MOD	BH_SAND	4B	wpo40514	sect. 4.2.4	
3164	SAT_RBRN	BH_SAND	4B	wpo40514	sect. 4.2.4	
3165	SAT_RGAS	BH_SAND	4B	wpo40514	sect. 4.2.4	
23	CAP_MOD	BOREHOLE	4B	wpo40514	pg4-142	
3122	KPT	BOREHOLE	4B	wpo40514	pg4-142	
29	PC_MAX	BOREHOLE	4B	wpo40514	sect. 4.2.4	
3120	PCT_A	BOREHOLE	4B	wpo40514	sect. 4.2.4	
3121	PCT_EXP	BOREHOLE	4B	wpo40514	sect. 4.2.4	

32	PO_MIN	BOREHOLE	4B	wpo40514	pg4-142	
34	PRMX_LOG	BOREHOLE	4B	wpo40514	pg4-142	
35	PRMY_LOG	BOREHOLE	4B	wpo40514	sect. 4.2.4	
36	PRMZ_LOG	BOREHOLE	4B	wpo40514	sect. 4.2.4	
40	RELP_MOD	BOREHOLE	4B	wpo40514	pg4-142	
50	REF_PRES	BRINESAL	4B	wpo40514	sect. 4.2.4	sect. 4.2.5
51	REF_TEMP	BRINESAL	4B	wpo40514	sect. 4.2.4	sect. 4.2.5
60	CAP_MOD	CASTILER	4B	wpo40514	sect. 4.2.4	
5194	GRIDFLO	CASTILER	4B	wpo40514	sect. 4.2.4	
2608	KPT	CASTILER	4B	wpo40514	sect. 4.2.4	
62	PC_MAX	CASTILER	4B	wpo40514	sect. 4.2.4	
2609	PCT_A	CASTILER	4B	wpo40514	sect. 4.2.4	
2610	PCT_EXP	CASTILER	4B	wpo40514	sect. 4.2.4	
65	PO_MIN	CASTILER	4B	wpo40514	sect. 4.2.4	
65	PORE_DIS	CASTILER	4B	wpo40514	sect. 4.2.4	
72	RELP_MOD	CASTILER	4B	wpo40514	sect. 4.2.4	
73	SAT_IBRN	CASTILER	4B	wpo40514	sect. 4.2.4	
74	SAT_RBRN	CASTILER	4B	wpo40514	sect. 4.2.4	
75	SAT_RGAS	CASTILER	4B	wpo40514	sect. 4.2.4	
76	CAP_MOD	CAVITY_1	4B	wpo40514	sect. 4.2.4	
77	COMP_RCK	CAVITY_1	4B	wpo40514	sect. 4.2.4	
2612	KPT	CAVITY_1	4B	wpo40514	sect. 4.2.4	
78	PC_MAX	CAVITY_1	4B	wpo40514	sect. 4.2.4	
2613	PCT_A	CAVITY_1	4B	wpo40514	sect. 4.2.4	
2614	PCT_EXP	CAVITY_1	4B	wpo40514	sect. 4.2.4	
81	PO_MIN	CAVITY_1	4B	wpo40514	sect. 4.2.4	
79	PORE_DIS	CAVITY_1	4B	wpo40514	sect. 4.2.4	
80	POROSITY	CAVITY_1	4B	wpo40514	sect. 4.2.4	
82	PRESSURE	CAVITY_1	4B	wpo40514	sect. 4.2.4	
83	PRMX_LOG	CAVITY_1	4B	wpo40514	sect. 4.2.4	
84	PRMY_LOG	CAVITY_1	4B	wpo40514	sect. 4.2.4	
85	PRMZ_LOG	CAVITY_1	4B	wpo40514	sect. 4.2.4	
88	RELP_MOD	CAVITY_1	4B	wpo40514	sect. 4.2.4	
3099	SAT_IBRN	CAVITY_1	4B	wpo40514	sect. 4.2.4	
89	SAT_RBRN	CAVITY_1	4B	wpo40514	sect. 4.2.4	
90	SAT_RGAS	CAVITY_1	4B	wpo40514	sect. 4.2.4	
91	CAP_MOD	CAVITY_2	4B	wpo40514	sect. 4.2.4	
92	COMP_RCK	CAVITY_2	4B	wpo40514	sect. 4.2.4	
2616	KPT	CAVITY_2	4B	wpo40514	sect. 4.2.4	
93	PC_MAX	CAVITY_2	4B	wpo40514	sect. 4.2.4	
2617	PCT_A	CAVITY_2	4B	wpo40514	sect. 4.2.4	
2618	PCT_EXP	CAVITY_2	4B	wpo40514	sect. 4.2.4	
96	PO_MIN	CAVITY_2	4B	wpo40514	sect. 4.2.4	
94	PORE_DIS	CAVITY_2	4B	wpo40514	sect. 4.2.4	
95	POROSITY	CAVITY_2	4B	wpo40514	sect. 4.2.4	
97	PRESSURE	CAVITY_2	4B	wpo40514	sect. 4.2.4	
98	PRMX_LOG	CAVITY_2	4B	wpo40514	sect. 4.2.4	
99	PRMY_LOG	CAVITY_2	4B	wpo40514	sect. 4.2.4	

100	PRMZ_LOG	CAVITY_2	4B	wpo40514	sect. 4.2.4	
103	RELP_MOD	CAVITY_2	4B	wpo40514	sect. 4.2.4	
3100	SAT_IBRN	CAVITY_2	4B	wpo40514	sect. 4.2.4	
104	SAT_RBRN	CAVITY_2	4B	wpo40514	sect. 4.2.4	
105	SAT_RGAS	CAVITY_2	4B	wpo40514	sect. 4.2.4	
2049	CAP_MOD	CAVITY_3	4B	wpo40514	sect. 4.2.4	
2051	COMP_RCK	CAVITY_3	4B	wpo40514	sect. 4.2.4	
2620	KPT	CAVITY_3	4B	wpo40514	sect. 4.2.4	
2234	PC_MAX	CAVITY_3	4B	wpo40514	sect. 4.2.4	
2621	PCT_A	CAVITY_3	4B	wpo40514	sect. 4.2.4	
2622	PCT_EXP	CAVITY_3	4B	wpo40514	sect. 4.2.4	
2623	PO_MIN	CAVITY_3	4B	wpo40514	sect. 4.2.4	
2052	PORE_DIS	CAVITY_3	4B	wpo40514	sect. 4.2.4	
2053	POROSITY	CAVITY_3	4B	wpo40514	sect. 4.2.4	
3101	PRESSURE	CAVITY_3	4B	wpo40514	sect. 4.2.4	
2054	PRMX_LOG	CAVITY_3	4B	wpo40514	sect. 4.2.4	
2055	PRMY_LOG	CAVITY_3	4B	wpo40514	sect. 4.2.4	
2056	PRMZ_LOG	CAVITY_3	4B	wpo40514	sect. 4.2.4	
2058	RELP_MOD	CAVITY_3	4B	wpo40514	sect. 4.2.4	
3102	SAT_IBRN	CAVITY_3	4B	wpo40514	sect. 4.2.4	
2235	SAT_RBRN	CAVITY_3	4B	wpo40514	sect. 4.2.4	
2059	SAT_RGAS	CAVITY_3	4B	wpo40514	sect. 4.2.4	
2060	CAP_MOD	CAVITY_4	4B	wpo40514	sect. 4.2.4	
2062	COMP_RCK	CAVITY_4	4B	wpo40514	sect. 4.2.4	
2625	KPT	CAVITY_4	4B	wpo40514	sect. 4.2.4	
2236	PC_MAX	CAVITY_4	4B	wpo40514	sect. 4.2.4	
2626	PCT_A	CAVITY_4	4B	wpo40514	sect. 4.2.4	
2627	PCT_EXP	CAVITY_4	4B	wpo40514	sect. 4.2.4	
2628	PO_MIN	CAVITY_4	4B	wpo40514	sect. 4.2.4	
2063	PORE_DIS.	CAVITY_4	4B	wpo40514	sect. 4.2.4	
2064	POROSITY	CAVITY_4	4B	wpo40514	sect. 4.2.4	
3103	PRESSURE	CAVITY_4	4B	wpo40514	sect. 4.2.4	
2065	PRMX_LOG	CAVITY_4	4B	wpo40514	sect. 4.2.4	
2066	PRMY_LOG	CAVITY_4	4B	wpo40514	sect. 4.2.4	
2067	PRMZ_LOG	CAVITY_4	4B	wpo40514	sect. 4.2.4	
2069	RELP_MOD	CAVITY_4	4B	wpo40514	sect. 4.2.4	
3104	SAT_IBRN	CAVITY_4	4B	wpo40514	sect. 4.2.4	
2237	SAT_RBRN	CAVITY_4	4B	wpo40514	sect. 4.2.4	
2070	SAT_RGAS	CAVITY_4	4B	wpo40514	sect. 4.2.4	
2327	CAP_MOD	CL_L_T1	4B	wpo40514	sect. 4.2.4	
2641	KPT	CL_L_T1	4B	wpo40514	sect. 4.2.4	
2329	PC_MAX	CL_L_T1	4B	wpo40514	sect. 4.2.4	
2332	PO_MIN	CL_L_T1	4B	wpo40514	sect. 4.2.4	
2340	RELP_MOD	CL_L_T1	4B	wpo40514	sect. 4.2.4	
3017	RSH_AIR	CL_L_T1	4B	wpo40514	sect. 4.2.4	
3020	RSH_EXH	CL_L_T1	4B	wpo40514	sect. 4.2.4	
3018	RSH_SAL	CL_L_T1	4B	wpo40514	sect. 4.2.4	
3019	RSH_WAS	CL_L_T1	4B	wpo40514	sect. 4.2.4	

2344	CAP_MOD	CL_L_T2	4B	wpo40514	secl_4.2.4	
2646	KPT	CL_L_T2	4B	wpo40514	secl_4.2.4	
2346	PC_MAX	CL_L_T2	4B	wpo40514	secl_4.2.4	
2349	PO_MIN	CL_L_T2	4B	wpo40514	secl_4.2.4	
2357	REL_P_MOD	CL_L_T2	4B	wpo40514	secl_4.2.4	
3022	RSH_AIR	CL_L_T2	4B	wpo40514	secl_4.2.4	
3025	RSH_EXH	CL_L_T2	4B	wpo40514	secl_4.2.4	
3023	RSH_SAL	CL_L_T2	4B	wpo40514	secl_4.2.4	
3024	RSH_WAS	CL_L_T2	4B	wpo40514	secl_4.2.4	
2361	CAP_MOD	CL_L_T3	4B	wpo40514	secl_4.2.4	
2651	KPT	CL_L_T3	4B	wpo40514	secl_4.2.4	
2363	PC_MAX	CL_L_T3	4B	wpo40514	secl_4.2.4	
2366	PO_MIN	CL_L_T3	4B	wpo40514	secl_4.2.4	
2374	REL_P_MOD	CL_L_T3	4B	wpo40514	secl_4.2.4	
3027	RSH_AIR	CL_L_T3	4B	wpo40514	secl_4.2.4	
3030	RSH_EXH	CL_L_T3	4B	wpo40514	secl_4.2.4	
3028	RSH_SAL	CL_L_T3	4B	wpo40514	secl_4.2.4	
3029	RSH_WAS	CL_L_T3	4B	wpo40514	secl_4.2.4	
3070	CAP_MOD	CL_L_T4	4B	wpo40514	secl_4.2.4	
3072	KPT	CL_L_T4	4B	wpo40514	secl_4.2.4	
3073	PC_MAX	CL_L_T4	4B	wpo40514	secl_4.2.4	
3123	PO_MIN	CL_L_T4	4B	wpo40514	secl_4.2.4	
3081	REL_P_MOD	CL_L_T4	4B	wpo40514	secl_4.2.4	
3065	RSH_AIR	CL_L_T4	4B	wpo40514	secl_4.2.4	
3068	RSH_EXH	CL_L_T4	4B	wpo40514	secl_4.2.4	
3066	RSH_SAL	CL_L_T4	4B	wpo40514	secl_4.2.4	
3067	RSH_WAS	CL_L_T4	4B	wpo40514	secl_4.2.4	
2378	CAP_MOD	CL_M_T1	4B	wpo40514	secl_4.2.4	
2656	KPT	CL_M_T1	4B	wpo40514	secl_4.2.4	
2380	PC_MAX	CL_M_T1	4B	wpo40514	secl_4.2.4	
2383	PO_MIN	CL_M_T1	4B	wpo40514	secl_4.2.4	
2391	REL_P_MOD	CL_M_T1	4B	wpo40514	secl_4.2.4	
3084	RSH_AIR	CL_M_T1	4B	wpo40514	secl_4.2.4	
3087	RSH_EXH	CL_M_T1	4B	wpo40514	secl_4.2.4	
3085	RSH_SAL	CL_M_T1	4B	wpo40514	secl_4.2.4	
3086	RSH_WAS	CL_M_T1	4B	wpo40514	secl_4.2.4	
2395	CAP_MOD	CL_M_T2	4B	wpo40514	secl_4.2.4	
2661	KPT	CL_M_T2	4B	wpo40514	secl_4.2.4	
2397	PC_MAX	CL_M_T2	4B	wpo40514	secl_4.2.4	
2400	PO_MIN	CL_M_T2	4B	wpo40514	secl_4.2.4	
2408	REL_P_MOD	CL_M_T2	4B	wpo40514	secl_4.2.4	
3089	RSH_AIR	CL_M_T2	4B	wpo40514	secl_4.2.4	
3092	RSH_EXH	CL_M_T2	4B	wpo40514	secl_4.2.4	
3090	RSH_SAL	CL_M_T2	4B	wpo40514	secl_4.2.4	
3091	RSH_WAS	CL_M_T2	4B	wpo40514	secl_4.2.4	
2412	CAP_MOD	CL_M_T3	4B	wpo40514	secl_4.2.4	
2666	KPT	CL_M_T3	4B	wpo40514	secl_4.2.4	
2414	PC_MAX	CL_M_T3	4B	wpo40514	secl_4.2.4	

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2417	PO_MIN	CL_M_T3	4B	wpo40514	sect. 4.2.4	
2425	RELP_MOD	CL_M_T3	4B	wpo40514	sect. 4.2.4	
3094	RSH_AIR	CL_M_T3	4B	wpo40514	sect. 4.2.4	
3097	RSH_EXH	CL_M_T3	4B	wpo40514	sect. 4.2.4	
3095	RSH_SAL	CL_M_T3	4B	wpo40514	sect. 4.2.4	
3096	RSH_WAS	CL_M_T3	4B	wpo40514	sect. 4.2.4	
2429	CAP_MOD	CL_M_T4	4B	wpo40514	sect. 4.2.4	
2671	KPT	CL_M_T4	4B	wpo40514	sect. 4.2.4	
2431	PC_MAX	CL_M_T4	4B	wpo40514	sect. 4.2.4	
2434	PO_MIN	CL_M_T4	4B	wpo40514	sect. 4.2.4	
2442	RELP_MOD	CL_M_T4	4B	wpo40514	sect. 4.2.4	
2919	RSH_AIR	CL_M_T4	4B	wpo40514	sect. 4.2.4	
2922	RSH_EXH	CL_M_T4	4B	wpo40514	sect. 4.2.4	
2920	RSH_SAL	CL_M_T4	4B	wpo40514	sect. 4.2.4	
2921	RSH_WAS	CL_M_T4	4B	wpo40514	sect. 4.2.4	
2446	CAP_MOD	CL_M_T5	4B	wpo40514	sect. 4.2.4	
2676	KPT	CL_M_T5	4B	wpo40514	sect. 4.2.4	
2448	PC_MAX	CL_M_T5	4B	wpo40514	sect. 4.2.4	
2451	PO_MIN	CL_M_T5	4B	wpo40514	sect. 4.2.4	
2459	RELP_MOD	CL_M_T5	4B	wpo40514	sect. 4.2.4	
2924	RSH_AIR	CL_M_T5	4B	wpo40514	sect. 4.2.4	
2927	RSH_EXH	CL_M_T5	4B	wpo40514	sect. 4.2.4	
2925	RSH_SAL	CL_M_T5	4B	wpo40514	sect. 4.2.4	
2926	RSH_WAS	CL_M_T5	4B	wpo40514	sect. 4.2.4	
2310	CAP_MOD	CLAY_BOT	4B	wpo40514	sect. 4.2.4	
2311	COMP_RCK	CLAY_BOT	4B	wpo40514	sect. 4.2.4	
2636	KPT	CLAY_BOT	4B	wpo40514	sect. 4.2.4	
2312	PC_MAX	CLAY_BOT	4B	wpo40514	sect. 4.2.4	
2637	PCT_A	CLAY_BOT	4B	wpo40514	sect. 4.2.4	
2638	PCT_EXP	CLAY_BOT	4B	wpo40514	sect. 4.2.4	
2315	PO_MIN	CLAY_BOT	4B	wpo40514	sect. 4.2.4	
2316	PRESSURE	CLAY_BOT	4B	wpo40514	sect. 4.2.4	
2323	RELP_MOD	CLAY_BOT	4B	wpo40514	sect. 4.2.4	
3000	CAP_MOD	CLAY_RUS	4B	wpo40514	sect. 4.2.4	
3002	KPT	CLAY_RUS	4B	wpo40514	sect. 4.2.4	
3003	PC_MAX	CLAY_RUS	4B	wpo40514	sect. 4.2.4	
3131	PO_MIN	CLAY_RUS	4B	wpo40514	sect. 4.2.4	
3012	RELP_MOD	CLAY_RUS	4B	wpo40514	sect. 4.2.4	
2996	RSH_AIR	CLAY_RUS	4B	wpo40514	sect. 4.2.4	
2999	RSH_EXH	CLAY_RUS	4B	wpo40514	sect. 4.2.4	
2997	RSH_SAL	CLAY_RUS	4B	wpo40514	sect. 4.2.4	
2998	RSH_WAS	CLAY_RUS	4B	wpo40514	sect. 4.2.4	
3051	CAP_MOD	CONC_MON	4B	wpo40514	sect. 4.2.4	
3052	COMP_RCK	CONC_MON	4B	wpo40514	sect. 4.2.4	
3053	KPT	CONC_MON	4B	wpo40514	sect. 4.2.4	
3054	PC_MAX	CONC_MON	4B	wpo40514	sect. 4.2.4	
3124	PO_MIN	CONC_MON	4B	wpo40514	sect. 4.2.4	
3062	RELP_MOD	CONC_MON	4B	wpo40514	sect. 4.2.4	

3046	RSR_AIR	CONC_MON	4B	wpo40514	sect. 4.2.4	
3049	RSR_EXH	CONC_MON	4B	wpo40514	sect. 4.2.4	
3047	RSR_SAL	CONC_MON	4B	wpo40514	sect. 4.2.4	
3048	RSR_WAS	CONC_MON	4B	wpo40514	sect. 4.2.4	
3150	CAP_MOD	CONC_PLG	4B	wpo40514	sect. 4.2.4	
3148	COMP_RCK	CONC_PLG	4B	wpo40514	sect. 4.2.4	
3156	KPT	CONC_PLG	4B	wpo40514	sect. 4.2.4	
3151	PC_MAX	CONC_PLG	4B	wpo40514	sect. 4.2.4	
3157	PCT_A	CONC_PLG	4B	wpo40514	sect. 4.2.4	
3158	PCT_EXP	CONC_PLG	4B	wpo40514	sect. 4.2.4	
3155	PO_MIN	CONC_PLG	4B	wpo40514	sect. 4.2.4	
3154	PORE_DIS	CONC_PLG	4B	wpo40514	sect. 4.2.4	
3147	POROSITY	CONC_PLG	4B	wpo40514	sect. 4.2.4	
3149	REL_P_MOD	CONC_PLG	4B	wpo40514	sect. 4.2.4	
3152	SAT_RBRN	CONC_PLG	4B	wpo40514	sect. 4.2.4	
3153	SAT_RGAS	CONC_PLG	4B	wpo40514	sect. 4.2.4	
2463	CAP_MOD	CONC_T1	4B	wpo40514	sect. 4.2.4	
2464	COMP_RCK	CONC_T1	4B	wpo40514	sect. 4.2.4	
2681	KPT	CONC_T1	4B	wpo40514	sect. 4.2.4	
2465	PC_MAX	CONC_T1	4B	wpo40514	sect. 4.2.4	
2468	PO_MIN	CONC_T1	4B	wpo40514	sect. 4.2.4	
2476	REL_P_MOD	CONC_T1	4B	wpo40514	sect. 4.2.4	
3036	RSR_AIR	CONC_T1	4B	wpo40514	sect. 4.2.4	
3039	RSR_EXH	CONC_T1	4B	wpo40514	sect. 4.2.4	
3037	RSR_SAL	CONC_T1	4B	wpo40514	sect. 4.2.4	
3038	RSR_WAS	CONC_T1	4B	wpo40514	sect. 4.2.4	
2480	CAP_MOD	CONC_T2	4B	wpo40514	sect. 4.2.4	
2481	COMP_RCK	CONC_T2	4B	wpo40514	sect. 4.2.4	
2686	KPT	CONC_T2	4B	wpo40514	sect. 4.2.4	
2482	PC_MAX	CONC_T2	4B	wpo40514	sect. 4.2.4	
2808	PO_MIN	CONC_T2	4B	wpo40514	sect. 4.2.4	
2492	REL_P_MOD	CONC_T2	4B	wpo40514	sect. 4.2.4	
3041	RSR_AIR	CONC_T2	4B	wpo40514	sect. 4.2.4	
3044	RSR_EXH	CONC_T2	4B	wpo40514	sect. 4.2.4	
3042	RSR_SAL	CONC_T2	4B	wpo40514	sect. 4.2.4	
3043	RSR_WAS	CONC_T2	4B	wpo40514	sect. 4.2.4	
119	CAP_MOD	CULEBRA	4B	wpo40514	sect. 4.2.4	
120	COMP_RCK	CULEBRA	4B	wpo40514	sect. 4.2.4	
2691	KPT	CULEBRA	4B	wpo40514	sect. 4.2.4	
137	PC_MAX	CULEBRA	4B	wpo40514	sect. 4.2.4	
2692	PCT_A	CULEBRA	4B	wpo40514	sect. 4.2.4	
2693	PCT_EXP	CULEBRA	4B	wpo40514	sect. 4.2.4	
141	PO_MIN	CULEBRA	4B	wpo40514	sect. 4.2.4	
139	PORE_DIS	CULEBRA	4B	wpo40514	sect. 4.2.4	
148	REL_P_MOD	CULEBRA	4B	wpo40514	sect. 4.2.4	
149	SAT_IBRN	CULEBRA	4B	wpo40514	sect. 4.2.4	
150	SAT_RBRN	CULEBRA	4B	wpo40514	sect. 4.2.4	
151	SAT_RGAS	CULEBRA	4B	wpo40514	sect. 4.2.4	

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153	CAP_MOD	DEWYLAKE	4B	wpo40514	sect. 4.2.4	
154	COMP_RCK	DEWYLAKE	4B	wpo40514	sect. 4.2.4	
2696	KPT	DEWYLAKE	4B	wpo40514	sect. 4.2.4	
156	PC_MAX	DEWYLAKE	4B	wpo40514	sect. 4.2.4	
2697	PCT_A	DEWYLAKE	4B	wpo40514	sect. 4.2.4	
2698	PCT_EXP	DEWYLAKE	4B	wpo40514	sect. 4.2.4	
159	PO_MIN	DEWYLAKE	4B	wpo40514	sect. 4.2.4	
157	PORE_DIS	DEWYLAKE	4B	wpo40514	sect. 4.2.4	
166	RELP_MOD	DEWYLAKE	4B	wpo40514	sect. 4.2.4	
168	SAT_IBRN	DEWYLAKE	4B	wpo40514	sect. 4.2.4	
169	SAT_RBRN	DEWYLAKE	4B	wpo40514	sect. 4.2.4	
170	SAT_RGAS	DEWYLAKE	4B	wpo40514	sect. 4.2.4	
174	CAP_MOD	DRZ_0	4B	wpo40514	sect. 4.2.4	
175	COMP_RCK	DRZ_0	4B	wpo40514	sect. 4.2.4	
2701	KPT	DRZ_0	4B	wpo40514	sect. 4.2.4	
176	PC_MAX	DRZ_0	4B	wpo40514	sect. 4.2.4	
2702	PCT_A	DRZ_0	4B	wpo40514	sect. 4.2.4	
2703	PCT_EXP	DRZ_0	4B	wpo40514	sect. 4.2.4	
179	PO_MIN	DRZ_0	4B	wpo40514	sect. 4.2.4	
177	PORE_DIS	DRZ_0	4B	wpo40514	sect. 4.2.4	
178	POROSITY	DRZ_0	4B	wpo40514	sect. 4.2.4	
181	PRMX_LOG	DRZ_0	4B	wpo40514	sect. 4.2.4	
182	PRMY_LOG	DRZ_0	4B	wpo40514	sect. 4.2.4	
183	PRMZ_LOG	DRZ_0	4B	wpo40514	sect. 4.2.4	
186	RELP_MOD	DRZ_0	4B	wpo40514	sect. 4.2.4	
187	SAT_IBRN	DRZ_0	4B	wpo40514	sect. 4.2.5	
188	SAT_RBRN	DRZ_0	4B	wpo40514	sect. 4.2.4	
189	SAT_RGAS	DRZ_0	4B	wpo40514	sect. 4.2.4	
190	CAP_MOD	DRZ_1	4B	wpo40514	sect. 4.2.4	
191	COMP_RCK	DRZ_1	4B	wpo40514	sect. 4.2.4	
3116	KPT	DRZ_1	4B	wpo40514	sect. 4.2.4	
193	PC_MAX	DRZ_1	4B	wpo40514	sect. 4.2.4	
3128	PCT_A	DRZ_1	4B	wpo40514	sect. 4.2.4	
3129	PCT_EXP	DRZ_1	4B	wpo40514	sect. 4.2.4	
196	PO_MIN	DRZ_1	4B	wpo40514	sect. 4.2.4	
194	PORE_DIS	DRZ_1	4B	wpo40514	sect. 4.2.4	
195	POROSITY	DRZ_1	4B	wpo40514	sect. 4.2.4	
198	PRMX_LOG	DRZ_1	4B	wpo40514	sect. 4.2.4	
199	PRMY_LOG	DRZ_1	4B	wpo40514	sect. 4.2.4	
200	PRMZ_LOG	DRZ_1	4B	wpo40514	sect. 4.2.4	
203	RELP_MOD	DRZ_1	4B	wpo40514	sect. 4.2.4	
205	SAT_RBRN	DRZ_1	4B	wpo40514	sect. 4.2.4	
206	SAT_RGAS	DRZ_1	4B	wpo40514	sect. 4.2.4	
2496	CAP_MOD	EARTH	4B	wpo40514	sect. 4.2.4	
2706	KPT	EARTH	4B	wpo40514	sect. 4.2.4	
2498	PC_MAX	EARTH	4B	wpo40514	sect. 4.2.4	
2501	PO_MIN	EARTH	4B	wpo40514	sect. 4.2.4	
2509	RELP_MOD	EARTH	4B	wpo40514	sect. 4.2.4	

3032	RSH_AIR	EARTH	4B	wpo40514	sect. 4.2.4	
3035	RSH_EXH	EARTH	4B	wpo40514	sect. 4.2.4	
3033	RSH_SAL	EARTH	4B	wpo40514	sect. 4.2.4	
3034	RSH_WAS	EARTH	4B	wpo40514	sect. 4.2.4	
207	CAP_MOD	EXP_AREA	4B	wpo40514	sect. 4.2.4	
208	COMP_RCK	EXP_AREA	4B	wpo40514	sect. 4.2.4	
2711	KPT	EXP_AREA	4B	wpo40514	sect. 4.2.4	
209	PC_MAX	EXP_AREA	4B	wpo40514	sect. 4.2.4	
2712	PCT_A	EXP_AREA	4B	wpo40514	sect. 4.2.4	
2713	PCT_EXP	EXP_AREA	4B	wpo40514	sect. 4.2.4	
212	PO_MIN	EXP_AREA	4B	wpo40514	sect. 4.2.4	
210	PORE_DIS	EXP_AREA	4B	wpo40514	sect. 4.2.4	
211	POROSITY	EXP_AREA	4B	wpo40514	sect. 4.2.4	
213	PRESSURE	EXP_AREA	4B	wpo40514	sect. 4.2.4	
214	PRMX_LOG	EXP_AREA	4B	wpo40514	sect. 4.2.4	
215	PRMY_LOG	EXP_AREA	4B	wpo40514	sect. 4.2.4	
216	PRMZ_LOG	EXP_AREA	4B	wpo40514	sect. 4.2.4	
219	RELP_MOD	EXP_AREA	4B	wpo40514	sect. 4.2.4	
220	SAT_IBRN	EXP_AREA	4B	wpo40514	sect. 4.2.4	
221	SAT_RBRN	EXP_AREA	4B	wpo40514	sect. 4.2.4	
222	SAT_RGAS	EXP_AREA	4B	wpo40514	sect. 4.2.4	
2085	CAP_MOD	FORTYNIN	4B	wpo40514	sect. 4.2.4	
2238	COMP_RCK	FORTYNIN	4B	wpo40514	sect. 4.2.4	
2715	KPT	FORTYNIN	4B	wpo40514	sect. 4.2.4	
2239	PC_MAX	FORTYNIN	4B	wpo40514	sect. 4.2.4	
2716	PCT_A	FORTYNIN	4B	wpo40514	sect. 4.2.4	
2717	PCT_EXP	FORTYNIN	4B	wpo40514	sect. 4.2.4	
2718	PO_MIN	FORTYNIN	4B	wpo40514	sect. 4.2.4	
2087	PORE_DIS	FORTYNIN	4B	wpo40514	sect. 4.2.4	
2899	PRMX_LOG	FORTYNIN	4B	wpo40514	sect. 4.2.4	
2900	PRMY_LOG	FORTYNIN	4B	wpo40514	sect. 4.2.4	
2901	PRMZ_LOG	FORTYNIN	4B	wpo40514	sect. 4.2.4	
2093	RELP_MOD	FORTYNIN	4B	wpo40514	sect. 4.2.4	
2240	SAT_RBRN	FORTYNIN	4B	wpo40514	sect. 4.2.4	
2094	SAT_RGAS	FORTYNIN	4B	wpo40514	sect. 4.2.4	
229	CAP_MOD	IMPERM_Z	4B	wpo40514	sect. 4.2.4	
230	COMP_RCK	IMPERM_Z	4B	wpo40514	sect. 4.2.4	
2720	KPT	IMPERM_Z	4B	wpo40514	sect. 4.2.4	
231	PC_MAX	IMPERM_Z	4B	wpo40514	sect. 4.2.4	
2721	PCT_A	IMPERM_Z	4B	wpo40514	sect. 4.2.4	
2722	PCT_EXP	IMPERM_Z	4B	wpo40514	sect. 4.2.4	
234	PO_MIN	IMPERM_Z	4B	wpo40514	sect. 4.2.4	
232	PORE_DIS	IMPERM_Z	4B	wpo40514	sect. 4.2.4	
233	POROSITY	IMPERM_Z	4B	wpo40514	sect. 4.2.4	
236	PRMX_LOG	IMPERM_Z	4B	wpo40514	sect. 4.2.4	
237	PRMY_LOG	IMPERM_Z	4B	wpo40514	sect. 4.2.4	
238	PRMZ_LOG	IMPERM_Z	4B	wpo40514	sect. 4.2.4	
241	RELP_MOD	IMPERM_Z	4B	wpo40514	sect. 4.2.4	

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243	SAT_RBRN	IMPERM_Z	4B	wpo40514	sect. 4.2.4	
244	SAT_RGAS	IMPERM_Z	4B	wpo40514	sect. 4.2.4	
2097	CAP_MOD	MAGENTA	4B	wpo40514	sect. 4.2.4	
2725	KPT	MAGENTA	4B	wpo40514	sect. 4.2.4	
2098	PC_MAX	MAGENTA	4B	wpo40514	sect. 4.2.4	
2726	PCT_A	MAGENTA	4B	wpo40514	sect. 4.2.4	
2727	PCT_EXP	MAGENTA	4B	wpo40514	sect. 4.2.4	
2728	PO_MIN	MAGENTA	4B	wpo40514	sect. 4.2.4	
2099	PORE_DIS	MAGENTA	4B	wpo40514	sect. 4.2.4	
2241	SAT_RBRN	MAGENTA	4B	wpo40514	sect. 4.2.4	
2107	SAT_RGAS	MAGENTA	4B	wpo40514	sect. 4.2.4	
7	CAP_MOD	OPS_AREA	4B	wpo40514	sect. 4.2.4	
8	COMP_RCK	OPS_AREA	4B	wpo40514	sect. 4.2.4	
2604	KPT	OPS_AREA	4B	wpo40514	sect. 4.2.4	
9	PC_MAX	OPS_AREA	4B	wpo40514	sect. 4.2.4	
2605	PCT_A	OPS_AREA	4B	wpo40514	sect. 4.2.4	
2606	PCT_EXP	OPS_AREA	4B	wpo40514	sect. 4.2.4	
12	PO_MIN	OPS_AREA	4B	wpo40514	sect. 4.2.4	
10	PORE_DIS	OPS_AREA	4B	wpo40514	sect. 4.2.4	
11	POROSITY	OPS_AREA	4B	wpo40514	sect. 4.2.4	
13	PRESSURE	OPS_AREA	4B	wpo40514	sect. 4.2.4	
14	PRMX_LOG	OPS_AREA	4B	wpo40514	sect. 4.2.4	
15	PRMY_LOG	OPS_AREA	4B	wpo40514	sect. 4.2.4	
16	PRMZ_LOG	OPS_AREA	4B	wpo40514	sect. 4.2.4	
19	RELP_MOD	OPS_AREA	4B	wpo40514	sect. 4.2.4	
20	SAT_IBRN	OPS_AREA	4B	wpo40514	sect. 4.2.4	
21	SAT_RBRN	OPS_AREA	4B	wpo40514	sect. 4.2.4	
22	SAT_RGAS	OPS_AREA	4B	wpo40514	sect. 4.2.4	
252	CAP_MOD	PAN_SEAL	4B	wpo40514	sect. 4.2.4	
253	COMP_RCK	PAN_SEAL	4B	wpo40514	sect. 4.2.4	
2731	KPT	PAN_SEAL	4B	wpo40514	sect. 4.2.4	
254	PC_MAX	PAN_SEAL	4B	wpo40514	sect. 4.2.4	
2732	PCT_A	PAN_SEAL	4B	wpo40514	sect. 4.2.4	
2733	PCT_EXP	PAN_SEAL	4B	wpo40514	sect. 4.2.4	
257	PO_MIN	PAN_SEAL	4B	wpo40514	sect. 4.2.4	
255	PORE_DIS	PAN_SEAL	4B	wpo40514	sect. 4.2.4	
256	POROSITY	PAN_SEAL	4B	wpo40514	sect. 4.2.4	
258	PRESSURE	PAN_SEAL	4B	wpo40514	sect. 4.2.4	
259	PRMX_LOG	PAN_SEAL	4B	wpo40514	sect. 4.2.4	
260	PRMY_LOG	PAN_SEAL	4B	wpo40514	sect. 4.2.4	
261	PRMZ_LOG	PAN_SEAL	4B	wpo40514	sect. 4.2.4	
264	RELP_MOD	PAN_SEAL	4B	wpo40514	sect. 4.2.4	
2734	SAT_IBRN	PAN_SEAL	4B	wpo40514	sect. 4.2.4	
265	SAT_RBRN	PAN_SEAL	4B	wpo40514	sect. 4.2.4	
266	SAT_RGAS	PAN_SEAL	4B	wpo40514	sect. 4.2.4	
3106	ASDRUM	REFCON	4B	wpo40514	sect. 4.2.4	
3107	VPANLEX	REFCON	4B	wpo40514	sect. 4.2.4	
3108	VREPOS	REFCON	4B	wpo40514	sect. 4.2.4	

3105	VROOM	REFCON	4B	wpo40514	sect. 4.2.4	
2110	CAP_MOD	REPOSIT	4B	wpo40514	sect. 4.2.4	
3455	CLOSMOD	REPOSIT	4B	wpo40514	sect. 4.2.4	
2112	COMP_RCK	REPOSIT	4B	wpo40514	sect. 4.2.4	
2736	KPT	REPOSIT	4B	wpo40514	sect. 4.2.4	
2242	PC_MAX	REPOSIT	4B	wpo40514	sect. 4.2.4	
2737	PCT_A	REPOSIT	4B	wpo40514	sect. 4.2.4	
2738	PCT_EXP	REPOSIT	4B	wpo40514	sect. 4.2.4	
2739	PO_MIN	REPOSIT	4B	wpo40514	sect. 4.2.4	
2129	PORE_DIS	REPOSIT	4B	wpo40514	sect. 4.2.4	
2130	POROSITY	REPOSIT	4B	wpo40514	sect. 4.2.4	
2824	PROBDEG	REPOSIT	4B	wpo40514	sect. 4.2.4	
2135	RELP_MOD	REPOSIT	4B	wpo40514	sect. 4.2.4	
2740	SAT_IBRN	REPOSIT	4B	wpo40514	sect. 4.2.4	
2741	SAT_RBRN	REPOSIT	4B	wpo40514	sect. 4.2.4	
2137	SAT_RGAS	REPOSIT	4B	wpo40514	sect. 4.2.4	
2158	DPHIMAX	S_ANH_AB	4B	wpo40514	sect. 4.2.4	
2812	IFRX	S_ANH_AB	4B	wpo40514	sect. 4.2.4	
2815	IFRY	S_ANH_AB	4B	wpo40514	sect. 4.2.4	
2818	IFRZ	S_ANH_AB	4B	wpo40514	sect. 4.2.4	
2159	KMAXLOG	S_ANH_AB	4B	wpo40514	sect. 4.2.4	
2773	KPT	S_ANH_AB	4B	wpo40514	sect. 4.2.4	
524	PF_DELTA	S_ANH_AB	4B	wpo40514	sect. 4.2.4	
526	PI_DELTA	S_ANH_AB	4B	wpo40514	sect. 4.2.4	
529	PO_MIN	S_ANH_AB	4B	wpo40514	sect. 4.2.4	
540	CAP_MOD	S_HALITE	4B	wpo40514	sect. 4.2.4	
2778	KPT	S_HALITE	4B	wpo40514	sect. 4.2.4	
542	PC_MAX	S_HALITE	4B	wpo40514	sect. 4.2.4	
2779	PCT_A	S_HALITE	4B	wpo40514	sect. 4.2.4	
2780	PCT_EXP	S_HALITE	4B	wpo40514	sect. 4.2.4	
545	PO_MIN	S_HALITE	4B	wpo40514	sect. 4.2.4	
543	PORE_DIS	S_HALITE	4B	wpo40514	sect. 4.2.4	
553	RELP_MOD	S_HALITE	4B	wpo40514	sect. 4.2.4	
554	SAT_IBRN	S_HALITE	4B	wpo40514	sect. 4.2.4	
555	SAT_RBRN	S_HALITE	4B	wpo40514	sect. 4.2.4	
556	SAT_RGAS	S_HALITE	4B	wpo40514	sect. 4.2.4	
2169	DPHIMAX	S_MB138	4B	wpo40514	sect. 4.2.4	
2810	IFRX	S_MB138	4B	wpo40514	sect. 4.2.4	
2813	IFRY	S_MB138	4B	wpo40514	sect. 4.2.4	
2816	IFRZ	S_MB138	4B	wpo40514	sect. 4.2.4	
2170	KMAXLOG	S_MB138	4B	wpo40514	sect. 4.2.4	
2783	KPT	S_MB138	4B	wpo40514	sect. 4.2.4	
563	PF_DELTA	S_MB138	4B	wpo40514	sect. 4.2.4	
565	PI_DELTA	S_MB138	4B	wpo40514	sect. 4.2.4	
568	PO_MIN	S_MB138	4B	wpo40514	sect. 4.2.4	
2177	DPHIMAX	S_MB139	4B	wpo40514	sect. 4.2.4	
2811	IFRX	S_MB139	4B	wpo40514	sect. 4.2.4	
2814	IFRY	S_MB139	4B	wpo40514	sect. 4.2.4	

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2817	IFRZ	S_MB139	4B	wpo40514	sect. 4.2.4	
2178	KMAXLOG	S_MB139	4B	wpo40514	sect. 4.2.4	
2788	KPT	S_MB139	4B	wpo40514	sect. 4.2.4	
2180	PF_DELTA	S_MB139	4B	wpo40514	sect. 4.2.4	
586	PI_DELTA	S_MB139	4B	wpo40514	sect. 4.2.4	
589	PO_MIN	S_MB139	4B	wpo40514	sect. 4.2.4	
2513	CAP_MOD	SALT_T1	4B	wpo40514	sect. 4.2.4	
2939	CUMPROB	SALT_T1	4B	wpo40514	table 4.1-1	
2744	KPT	SALT_T1	4B	wpo40514	sect. 4.2.4	
2515	PC_MAX	SALT_T1	4B	wpo40514	sect. 4.2.4	
2518	PO_MIN	SALT_T1	4B	wpo40514	sect. 4.2.4	
2526	RELP_MOD	SALT_T1	4B	wpo40514	sect. 4.2.4	
2934	RSH_AIR	SALT_T1	4B	wpo40514	sect. 4.2.4	
2937	RSH_EXH	SALT_T1	4B	wpo40514	sect. 4.2.4	
2935	RSH_SAL	SALT_T1	4B	wpo40514	sect. 4.2.4	
2936	RSH_WAS	SALT_T1	4B	wpo40514	sect. 4.2.4	
2530	CAP_MOD	SALT_T2	4B	wpo40514	sect. 4.2.4	
2749	KPT	SALT_T2	4B	wpo40514	sect. 4.2.4	
2532	PC_MAX	SALT_T2	4B	wpo40514	sect. 4.2.4	
2535	PO_MIN	SALT_T2	4B	wpo40514	sect. 4.2.4	
2543	RELP_MOD	SALT_T2	4B	wpo40514	sect. 4.2.4	
2943	RSH_AIR	SALT_T2	4B	wpo40514	sect. 4.2.4	
2946	RSH_EXH	SALT_T2	4B	wpo40514	sect. 4.2.4	
2944	RSH_SAL	SALT_T2	4B	wpo40514	sect. 4.2.4	
2945	RSH_WAS	SALT_T2	4B	wpo40514	sect. 4.2.4	
2547	CAP_MOD	SALT_T3	4B	wpo40514	sect. 4.2.4	
2754	KPT	SALT_T3	4B	wpo40514	sect. 4.2.4	
2549	PC_MAX	SALT_T3	4B	wpo40514	sect. 4.2.4	
2552	PO_MIN	SALT_T3	4B	wpo40514	sect. 4.2.4	
2560	RELP_MOD	SALT_T3	4B	wpo40514	sect. 4.2.4	
2951	RSH_AIR	SALT_T3	4B	wpo40514	sect. 4.2.4	
2954	RSH_EXH	SALT_T3	4B	wpo40514	sect. 4.2.4	
2952	RSH_SAL	SALT_T3	4B	wpo40514	sect. 4.2.4	
2953	RSH_WAS	SALT_T3	4B	wpo40514	sect. 4.2.4	
2564	CAP_MOD	SALT_T4	4B	wpo40514	sect. 4.2.4	
2759	KPT	SALT_T4	4B	wpo40514	sect. 4.2.4	
2566	PC_MAX	SALT_T4	4B	wpo40514	sect. 4.2.4	
2569	PO_MIN	SALT_T4	4B	wpo40514	sect. 4.2.4	
2577	RELP_MOD	SALT_T4	4B	wpo40514	sect. 4.2.4	
2959	RSH_AIR	SALT_T4	4B	wpo40514	sect. 4.2.4	
2962	RSH_EXH	SALT_T4	4B	wpo40514	sect. 4.2.4	
2960	RSH_SAL	SALT_T4	4B	wpo40514	sect. 4.2.4	
2961	RSH_WAS	SALT_T4	4B	wpo40514	sect. 4.2.4	
2581	CAP_MOD	SALT_T5	4B	wpo40514	sect. 4.2.4	
2764	KPT	SALT_T5	4B	wpo40514	sect. 4.2.4	
2583	PC_MAX	SALT_T5	4B	wpo40514	sect. 4.2.4	
3125	PO_MIN	SALT_T5	4B	wpo40514	sect. 4.2.4	
2594	RELP_MOD	SALT_T5	4B	wpo40514	sect. 4.2.4	

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2967	RSR_AIR	SALT_T5	4B	wpo40514	sect. 4.2.4
2970	RSR_EXH	SALT_T5	4B	wpo40514	sect. 4.2.4
2968	RSR_SAL	SALT_T5	4B	wpo40514	sect. 4.2.4
2969	RSR_WAS	SALT_T5	4B	wpo40514	sect. 4.2.4
2983	CAP_MOD	SALT_T6	4B	wpo40514	sect. 4.2.4
2985	KPT	SALT_T6	4B	wpo40514	sect. 4.2.4
2986	PC_MAX	SALT_T6	4B	wpo40514	sect. 4.2.4
3126	PO_MIN	SALT_T6	4B	wpo40514	sect. 4.2.4
2991	REL_P_MOD	SALT_T6	4B	wpo40514	sect. 4.2.4
2975	RSR_AIR	SALT_T6	4B	wpo40514	sect. 4.2.4
2978	RSR_EXH	SALT_T6	4B	wpo40514	sect. 4.2.4
2976	RSR_SAL	SALT_T6	4B	wpo40514	sect. 4.2.4
2977	RSR_WAS	SALT_T6	4B	wpo40514	sect. 4.2.4
336	CAP_MOD	SANTAROS	4B	wpo40514	sect. 4.2.4
337	COMP_RCK	SANTAROS	4B	wpo40514	sect. 4.2.4
2768	KPT	SANTAROS	4B	wpo40514	sect. 4.2.4
339	PC_MAX	SANTAROS	4B	wpo40514	sect. 4.2.4
2769	PCT_A	SANTAROS	4B	wpo40514	sect. 4.2.4
2770	PCT_EXP	SANTAROS	4B	wpo40514	sect. 4.2.4
342	PO_MIN	SANTAROS	4B	wpo40514	sect. 4.2.4
340	PORE_DIS	SANTAROS	4B	wpo40514	sect. 4.2.4
341	POROSITY	SANTAROS	4B	wpo40514	sect. 4.2.4
344	PRMX_LOG	SANTAROS	4B	wpo40514	sect. 4.2.4
345	PRMY_LOG	SANTAROS	4B	wpo40514	sect. 4.2.4
346	PRMZ_LOG	SANTAROS	4B	wpo40514	sect. 4.2.4
349	REL_P_MOD	SANTAROS	4B	wpo40514	sect. 4.2.4
350	SAT_IBRN	SANTAROS	4B	wpo40514	sect. 4.2.4
351	SAT_RBRN	SANTAROS	4B	wpo40514	sect. 4.2.4
352	SAT_RGAS	SANTAROS	4B	wpo40514	sect. 4.2.4
2183	CAP_MOD	TAMARISK	4B	wpo40514	sect. 4.2.4
2243	COMP_RCK	TAMARISK	4B	wpo40514	sect. 4.2.4
2793	KPT	TAMARISK	4B	wpo40514	sect. 4.2.4
2244	PC_MAX	TAMARISK	4B	wpo40514	sect. 4.2.4
2794	PCT_A	TAMARISK	4B	wpo40514	sect. 4.2.4
2795	PCT_EXP	TAMARISK	4B	wpo40514	sect. 4.2.4
2796	PO_MIN	TAMARISK	4B	wpo40514	sect. 4.2.4
2185	PORE_DIS	TAMARISK	4B	wpo40514	sect. 4.2.4
2914	PRMX_LOG	TAMARISK	4B	wpo40514	sect. 4.2.4
2915	PRMY_LOG	TAMARISK	4B	wpo40514	sect. 4.2.4
2916	PRMZ_LOG	TAMARISK	4B	wpo40514	sect. 4.2.4
2191	REL_P_MOD	TAMARISK	4B	wpo40514	sect. 4.2.4
2245	SAT_RBRN	TAMARISK	4B	wpo40514	sect. 4.2.4
2192	SAT_RGAS	TAMARISK	4B	wpo40514	sect. 4.2.4
2217	CAP_MOD	UNNAMED	4B	wpo40514	sect. 4.2.4
2218	COMP_RCK	UNNAMED	4B	wpo40514	sect. 4.2.4
2799	KPT	UNNAMED	4B	wpo40514	sect. 4.2.4
2247	PC_MAX	UNNAMED	4B	wpo40514	sect. 4.2.4
2800	PCT_A	UNNAMED	4B	wpo40514	sect. 4.2.4

2801	PCT_EXP	UNNAMED	4B	wpo40514	sect. 4.2.4
2802	PO_MIN	UNNAMED	4B	wpo40514	sect. 4.2.4
2219	PORE_DIS	UNNAMED	4B	wpo40514	sect. 4.2.4
2911	PRMX_LOG	UNNAMED	4B	wpo40514	sect. 4.2.4
2912	PRMY_LOG	UNNAMED	4B	wpo40514	sect. 4.2.4
2913	PRMZ_LOG	UNNAMED	4B	wpo40514	sect. 4.2.4
2225	REL_P_MOD	UNNAMED	4B	wpo40514	sect. 4.2.4
2248	SAT_RBRN	UNNAMED	4B	wpo40514	sect. 4.2.4
2226	SAT_RGAS	UNNAMED	4B	wpo40514	sect. 4.2.4
652	CAP_MOD	WAS AREA	4B	wpo40514	sect. 4.2.4
3454	CLOSMOD	WAS AREA	4B	wpo40514	sect. 4.2.4
653	COMP_RCK	WAS AREA	4B	wpo40514	sect. 4.2.4
2804	KPT	WAS AREA	4B	wpo40514	sect. 4.2.4
658	PC_MAX	WAS AREA	4B	wpo40514	sect. 4.2.4
2805	PCT_A	WAS AREA	4B	wpo40514	sect. 4.2.4
2806	PCT_EXP	WAS AREA	4B	wpo40514	sect. 4.2.4
661	PO_MIN	WAS AREA	4B	wpo40514	sect. 4.2.4
659	PORE_DIS	WAS AREA	4B	wpo40514	sect. 4.2.4
660	POROSITY	WAS AREA	4B	wpo40514	sect. 4.2.4
662	PRESSURE	WAS AREA	4B	wpo40514	sect. 4.2.4
2823	PROBDEG	WAS AREA	4B	wpo40514	sect. 4.2.4
668	REL_P_MOD	WAS AREA	4B	wpo40514	sect. 4.2.4
669	SAT_IBRN	WAS AREA	4B	wpo40514	sect. 4.2.4
670	SAT_RBRN	WAS AREA	4B	wpo40514	sect. 4.2.4
671	SAT_RGAS	WAS AREA	4B	wpo40514	sect. 4.2.4
2231	SAT_WICK	WAS AREA	4B	wpo40514	sect. 4.2.4
838	LOGSOLM	CF	4B	wpo40515	sect. 5
841	LOGSOLM	CS	4B	wpo40515	sect. 5
282	LOGSOLM	PB	4B	wpo40515	sect. 5
313	LOGSOLM	RA	4B	wpo40515	sect. 5
1659	LOGSOLM	SR	4B	wpo40515	sect. 5
861	FTORT	CULEBRA	4B	wpo40516	appex-d
3469	SKIN_RES	CULEBRA	4B	wpo40516	appex-d
225	TRANSIDX	GLOBAL	4B	wpo40516	appex-d
3470	GAS_MIN	BLOWOUT	4B	wpo40520	table 1pg 12
3471	MAXFLOW	BLOWOUT	4B	wpo40520	table 1pg 12
3472	MINFLOW	BLOWOUT	4B	wpo40520	table 1pg 12
3456	RE_CAST	BLOWOUT	4B	wpo40520	table 1pg 12
3473	THCK_CAS	BLOWOUT	4B	wpo40520	table 1pg 12
3245	CEMENT	BLOWOUT	4B	wpo40521	sect. 7
3420	FCE	BLOWOUT	4B	wpo40521	sect. 7
3256	FGE	BLOWOUT	4B	wpo40521	sect. 7
3255	FSE	BLOWOUT	4B	wpo40521	sect. 7
3250	HREPO	BLOWOUT	4B	wpo40521	sect. 7
3260	INPORO	BLOWOUT	4B	wpo40521	sect. 7
3247	RHOS	BLOWOUT	4B	wpo40521	sect. 7
3248	ROOM	BLOWOUT	4B	wpo40521	sect. 7
3249	RPANEL	BLOWOUT	4B	wpo40521	sect. 7

Susan Howarth

- 15 -

March 3, 1997

3242	COLDIA	BOREHOLE	4B	wpo-40521	sect 7	
26	DIAMMOD	BOREHOLE	4B	wpo-40521	sect 7	
27	DOMEGA	BOREHOLE	4B	wpo-40521	sect 7	
3239	INV_AR	BOREHOLE	4B	wpo-40521	sect 7	
3244	L1	BOREHOLE	4B	wpo-40521	sect 7	
3243	L2	BOREHOLE	4B	wpo-40521	sect 7	
3241	PIPED	BOREHOLE	4B	wpo-40521	sect 7	
3261	RHW_AR	BOREHOLE	4B	wpo-40521	sect 7	
171	DNSFLUID	DRILLMUD	4B	wpo-40521	sect 7	
172	VISCO	DRILLMUD	4B	wpo-40521	sect 7	
173	YLDSTRSS	DRILLMUD	4B	wpo-40521	sect 7	
651	ABSROUGH	WAS_AREA	4B	wpo-40521	sect 7	

The following list of parameters in Table 2 are the run parameters necessary to run CCDFGF. The tables in "Analysis Package for the CCDF Construction (Tasks 7) of the Performance Assessment Analyses Supporting the Compliance Certification Application WPO# 40524" lists a variable name for the parameter id. The following table correlates the Ingres id:idpram:idmtrl name and the variable name used by CCDFGF for the parameters stored in the WIPP CCA database.

Table 2

id	idpram	idmtrl	impt	analysis writeup wpo	input variable name	table in wpo-40524	input variable name	table in wpo-40524
3501	FPICD	GLOBAL	4B	wpo-40524	SFDR	table A.1.A.2. A.3	SDBVAL(16)	table A.4
3500	FPICM	GLOBAL	4B	wpo-40524	SFMR	table A.1.A.2. A.3	SDBVAL(15)	table A.4
3491	TA	GLOBAL	4B	wpo-40524	ACTI	table A.1.A.2. A.3	SDBVAL(4)	table A.4
3498	TPICM	GLOBAL	4B	wpo-40524	TPICM	table A.1.A.2. A.3	SDBVAL(13)	table A.4
3503	ABERM	REFCON	4B	wpo-40524	ABERM	table A.1.A.2. A.3	SDBVAL(18)	table A.4
3489	AREA_CH	REFCON	4B	wpo-40524	AREA_CH		SDBVAL(2)	table A.4
3496	AREA_RH	REFCON	4B	wpo-40524	AREA_RH		SDBVAL(11)	table A.4
3488	AREA_ZRO	REFCON	4B	wpo-40524	AREA_ZRO		SDBVAL(1)	table A.4
3492	FWW	REFCON	4B	wpo-40524	FWW		SDBVAL(5)	table A.4
3502	HRH	REFCON	4B	wpo-40524	HRH	table A.5	SDBVAL(17)	table A.4
3490	VOLWP	REFCON	4B	wpo-40524	VOLWP		SDBVAL(3)	table A.4

Distribution:

MS 1328 Hong-Nian Jow, 6848
 MS 1328 Martin S. Tierney, 6848
 MS 1324 S. Howarth, 6115
 MS 1322 J. Holmes, 6832
 WBS: 1.2.07.1.2:PDD:QA:GENERAL

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Appendix F

**Legacy and Placeholder Parameter
Cross Reference Memoranda**

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Sandia National Laboratories

Operated for the U.S. Department of Energy by
Sandia Corporation

Albuquerque, New Mexico 87185-

date: June 17, 1996

to: File

from: *Martin Tierney* *Palmer Vaughn*
Martin Tierney, 6741, and Palmer Vaughn, 6749

subject: Designation of "Legacy Parameters" and "Placeholders" in the WIPP Parameter Database

A "legacy parameter" is a parameter which appeared in the baseline WIPP Parameter Data Base of March 2, 1996 (version *desc_0000*, *values_0000*) and was not subsequently modified up to the date of this memo; consequently, Form 464s have not been prepared for these parameters, which are identified on Attachment A. There are numerous sources for these parameters (e.g. the 1992 PA [SAND92-0700/3] or the SPM2 [SAND95-2017/2]), but the majority of them can be considered as the choice of the PA analyst. All legacy parameters on this list have been checked by the appropriate PA analyst (Palmer Vaughn or his representatives) and have been found to be acceptable as model-configuration parameters (Category 4B).

A "placeholder parameter" is a parameter which, strictly speaking, should be inactive or not used (Category 5) in the WIPP Parameter Database but, to facilitate the correct reading of all parameters for BRAGFLO from the SCMS files, has been allowed to remain in WIPP Parameter Data Base as an inert place holder. A list of placeholder parameters is also shown on Attachment A; these parameters have been designated as Category 4B parameters.

Distribution:

MS 1328 Hong-Nian Jow
MS 1328 Amy Johnson
MS 1328 Mary-Alena Martel

WBS: 1.2.07.1.2:PDD:QA:GENERAL

INFORMATION ONLY

Attachment A to Memo to File dated 6/17/96

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The following parameters are designated "legacy parameters":

<u>id number</u>	<u>idmtrl</u>	<u>idpram</u>
50	BRINESAL	REF_PRES
51	BRINESAL	REF_TEMP
60	CASTILER	CAP_MOD
62	CASTILER	PC_MAX
2609	CASTILER	PCT_A
2610	CASTILER	PCT_EXP
63	CASTILER	PORE_DIS
72	CASTILER	RELP_MOD
73	CASTILER	SAT_IBRN
74	CASTILER	SAT_RBRN
75	CASTILER	SAT_RGAS
148	CULEBRA	RELP_MOD
149	CULEBRA	SAT_IBRN
154	DEWYLAKE	COMP_RCK
166	DEWYLAKE	RELP_MOD
168	DEWYLAKE	SAT_IBRN
171	DRILLMUD	DNSFLUID
172	DRILLMUD	VISCO
173	DRILLMUD	YLDSTRSS
176	DRZ_0	PC_MAX
2702	DRZ_0	PCT-A
2703	DRZ_0	PCT_EXP
181	DRZ_0	PRMX_LOG
182	DRZ_0	PRMY_LOG
183	DRZ_0	PRMZ_LOG
186	DRZ_0	RELP_MOD
187	DRZ_0	SAT_IBRN
193	DRZ_1	PC_MAX
198	DRZ_1	PRMX_LOG
199	DRZ_1	PRMY_LOG
200	DRZ_1	PRMZ_LOG
205	DRZ_1	SAT_RBRN
206	DRZ_1	SAT_RGAS
209	EXP_AREA	PC_MAX
2712	EXP_AREA	PCT_A
2713	EXP_AREA	PCT_EXP
210	EXP_AREA	PORE_DIS
213	EXP_AREA	PRESSURE
219	EXP_AREA	RELP_MOD
225	GLOBAL	TRANSIDX
540	S_HALITE	CAP_MOD
542	S_HALITE	PC_MAX
543	S_HALITE	PORE_DIS
553	S_HALITE	RELP_MOD
554	S_HALITE	SAT_IBRN
555	S_HALITE	SAT_RBRN
556	S_HALITE	SAT_RGAS

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Attachment A to Memo to File dated 6/17/96
Page 2 of 3

The following parameters are designated "legacy parameters":

<u>id number</u>	<u>idmtrl</u>	<u>idpram</u>
337	SANTAROS	COMP_RCK
341	SANTAROS	POROSITY
344	SANTAROS	PRMX_LOG
345	SANTAROS	PRMY_LOG
346	SANTAROS	PRMZ_LOG
349	SANTAROS	RELP_MOD
658	WAS_AREA	PC_MAX
662	WAS_AREA	PRESSURE
2231	WAS_AREA	SAT_WICK

The following parameters are designated "placeholder parameters":

<u>id number</u>	<u>idmtrl</u>	<u>idpram</u>
27	BOREHOLE	DOMEGA
33	BOREHOLE	PRESSURE
34	BOREHOLE	PRMX_LOG
35	BOREHOLE	PRMY_LOG
36	BOREHOLE	PRMZ_LOG
38	BOREHOLE	PTINDEX
2085	FORTYNIN	CAP_MOD
2238	FORTYNIN	COMP_RCK
2239	FORTYNIN	PC_MAX
2716	FORTYNIN	PCT_A
2717	FORTYNIN	PCT_EXP
2087	FORTYNIN	PORE_DIS
2089	FORTYNIN	PRMX
2090	FORTYNIN	PRMY
2091	FORTYNIN	PRMZ
2093	FORTYNIN	RELP_MOD
2240	FORTYNIN	SAT_RBRN
2094	FORTYNIN	SAT_RGAS
229	IMPERM_Z	CAP_MOD
230	IMPERM_Z	COMP_RCK
231	IMPERM_Z	PC_MAX
2721	IMPERM_Z	PCT_A
2722	IMPERM_Z	PCT_EXP
233	IMPERM_Z	POROSITY
241	IMPERM_Z	RELP_MOD
243	IMPERM_Z	SAT_RBRN
244	IMPERM_Z	SAT_RGAS
2183	TAMARISK	CAP_MOD
2243	TAMARISK	COMP_RCK

INFORMATION ONLY

Attachment A to Memo to File dated 6/17/96

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The following parameters are designated "placeholder parameters":

<u>id number</u>	<u>idmtrl</u>	<u>idpram</u>
2244	TAMARISK	PC_MAX
2794	TAMARISK	PCT_A
2795	TAMARISK	PCT_EXP
2185	TAMARISK	PORE_DIS
2191	TAMARISK	RELP_MOD
2245	TAMARISK	SAT_RBRN
2192	TAMARISK	SAT_RGAS
2217	UNNAMED	CAP_MOD
2218	UNNAMED	COMP_RCK
2247	UNNAMED	PC_MAX
2800	UNNAMED	PCT_A
2801	UNNAMED	PCT_EXP
2219	UNNAMED	PORE_DIS
2225	UNNAMED	RELP_MOD
2248	UNNAMED	SAT_RBRN
2226	UNNAMED	SAT_RGAS

date: February 27, 1997

to: Memo of Record

from: *Mary-Alena Martell*
Mary-Alena Martell, 6849

subject: Addenda to WFO#38568 SNL Internal Memo: M. Tierney and P. Vaughn to File, 6/17/96, Designation of "Legacy Parameters" and "Placeholders" in the WIPP Parameter Database

This memo is sent to clarify information in the subject memo and to provide additional information on some Legacy and Placeholder parameters not included in the subject memo. This addenda to WFO#38568 expands the legacy and placeholder parameter list for BRAGFLO and includes legacy parameters used by NUTS, PANEL, CUTTINGS_S, and SECO_TP.

Several clarifications or corrections are necessary for the first paragraph of the subject memo. The WIPP Parameter Baseline Data Base of March 2 was in 1995 rather than 1996. Legacy parameters are parameters which existed in the baseline WIPP Performance Assessment (PA) Database of January 1996 prior to the effective date of QAP 9-2 "Quality Assurance Requirements for the Selection and Documentation of Parameter Values Used in WIPP Performance Assessment". The subject memo states that values were not ... subsequently modified up to the date of this memo; ... when in fact legacy parameter values are never modified from the original entry and no new information or data is added. The phrase "(version desc_0000, values_0000)" should be replaced with "two tables in WIPP_DB with the baseline being contained in NMVP_DB." In addition, at the time of issuance of the subject memo, 464s had not been prepared for the parameters listed, however, they were prepared subsequent to the issuance of the memo. All legacy parameters now have 464s which contain information regarding sources.

Legacy parameters will now include all parameters that did not have a value change for the CCA Calculation. Therefore, all 'Legacy' parameters will have entry dates placed prior to 1996.

A 'placeholder parameter' is a parameter whose value is not used, but is left in the database to facilitate the correct reading of all parameters for BRAGFLO from the SCMS files. The method by which MATSET retrieves data requires an unchanging sequential ordering of data. Therefore, once a parameter is entered into a block of data, it must remain in its original place, whether used or not, in order not to alter the sequence of the data as it is read by the MATSET software.

The following list of parameters are separated into tables with a short heading explaining the use and the potential code. The "Analysis write-up" WFO number is included and may be from either the PA or PI. There are several category '1' parameters that fall under the new 'Legacy' definition. These category '1' parameters have the PI package WFO listed. The June 17, 1996 listing is from the subject memo, and the list of "additional" parameters is being added for completeness as not all were included in the June 17 memo.

June 17, 1996 list of Legacy parameters for BRAGFLO					
id	idmtrl	idpram	impt	Analysis writeup/ or other	Section #/page #
50	BRINESAL	REF_PRES	4B	WFO40514	4.2.5

51	BRINESAL	REF_TEMP	4B	WPO40514	4.2.5
60	CASTILER	CAP_MOD	4B	WPO40514	4.2.5
62	CASTILER	PC_MAX	4B	WPO40514	4.2.5
2609	CASTILER	PCT_A	4B	WPO40514	4.2.5
2610	CASTILER	PCT_EXP	4B	WPO40514	4.2.5
63	CASTILER	PORE_DIS	4B	WPO40514	4.2.5
72	CASTILER	RELP_MOD	4B	WPO40514	4.2.5
73	CASTILER	SAT_IBRN	4B	WPO40514	4.2.5
74	CASTILER	SAT_RBRN	4B	WPO40514	4.2.5
75	CASTILER	SAT_RGAS	4B	WPO40514	4.2.5
148	CULEBRA	RELP_MOD	4B	WPO40514	4.2.5
149	CULEBRA	SAT_IBRN	4B	WPO40514	4.2.5
154	DEWYLAKE	COMP_RCK	4B	WPO40514	4.2.5
166	DEWYLAKE	RELP_MOD	4B	WPO40514	4.2.5
168	DEWYLAKE	SAT_IBRN	4B	WPO40514	4.2.5
176	DRZ_0	PC_MAX	4B	WPO40514	4.2.5
2702	DRZ_0	PCT_A	4B	WPO40514	4.2.5
2703	DRZ_0	PCT_EXP	4B	WPO40514	4.2.5
181	DRZ_0	PRMX_LOG	4B	WPO40514	4.2.5
182	DRZ_0	PRMY_LOG	4B	WPO40514	4.2.5
183	DRZ_0	PRMZ_LOG	4B	WPO40514	4.2.5
186	DRZ_0	RELP_MOD	4B	WPO40514	4.2.5
187	DRZ_0	SAT_IBRN	4B	WPO40514	4.2.5
193	DRZ_1	PC_MAX	4B	WPO40514	4.2.5
198	DRZ_1	PRMX_LOG	4B	WPO40514	4.2.5
199	DRZ_1	PRMY_LOG	4B	WPO40514	4.2.5
200	DRZ_1	PRMZ_LOG	4B	WPO40514	4.2.5
205	DRZ_1	SAT_RBRN	4B	WPO40514	4.2.5
206	DRZ_1	SAT_RGAS	4B	WPO40514	4.2.5
209	EXP_AREA	PC_MAX	4B	WPO40514	4.2.5
2712	EXP_AREA	PCT_A	4B	WPO40514	4.2.5
2713	EXP_AREA	PCT_EXP	4B	WPO40514	4.2.5
210	EXP_AREA	PORE_DIS	4B	WPO40514	4.2.5
213	EXP_AREA	PRESSURE	4B	WPO40514	4.2.5
219	EXP_AREA	RELP_MOD	4B	WPO40514	4.2.5
2085	FORTYNIN	CAP_MOD	4B	WPO40514	4.2.4
540	S_HALITE	CAP_MOD	4B	WPO40514	4.2.5
542	S_HALITE	PC_MAX	4B	WPO40514	4.2.5
543	S_HALITE	PORE_DIS	4B	WPO40514	4.2.5
553	S_HALITE	RELP_MOD	4B	WPO40514	4.2.5
554	S_HALITE	SAT_IBRN	4B	WPO40514	4.2.5
555	S_HALITE	SAT_RBRN	4B	WPO40514	4.2.5
556	S_HALITE	SAT_RGAS	4B	WPO40514	4.2.5
337	SANTAROS	COMP_RCK	4B	WPO40514	4.2.5
341	SANTAROS	POROSITY	4B	WPO40514	4.2.5
344	SANTAROS	PRMX_LOG	4B	WPO40514	4.2.5
345	SANTAROS	PRMY_LOG	4B	WPO40514	4.2.5
346	SANTAROS	PRMZ_LOG	4B	WPO40514	4.2.5
349	SANTAROS	RELP_MOD	4B	WPO40514	4.2.5
658	WAS_AREA	PC_MAX	4B	WPO40514	4.2.5
662	WAS_AREA	PRESSURE	4B	WPO40514	4.2.5
2231	WAS_AREA	SAT_WICK	4B	WPO40514	4.2.5

Additional list of Legacy parameters for BRAGFLO					
id	idmtrl	idpram	impt	Analysis writeup	Section #/page #
2276	ASPHALT	CAP_MOD	4B	WPO40514	4.2.4
76	CAVITY_1	CAP_MOD	4B	WPO40514	4.2.4
91	CAVITY_2	CAP_MOD	4B	WPO40514	4.2.4
2327	CL_L_T1	CAP_MOD	4B	WPO40514	4.2.4

2429	CL M T4	CAP MOD	4B	WFO40514	42.4
2446	CL M T5	CAP MOD	4B	WFO40514	42.4
2310	CLAY BOT	CAP MOD	4B	WFO40514	42.4
119	CULEBRA	CAP MOD	4B	WFO40514	42.4
2097	MAGENTA	CAP MOD	4B	WFO40514	42.4
2513	SALT T1	CAP MOD	4B	WFO40514	42.4
2530	SALT T2	CAP MOD	4B	WFO40514	42.4
2547	SALT T3	CAP MOD	4B	WFO40514	42.4
2564	SALT T4	CAP MOD	4B	WFO40514	42.4
2581	SALT T5	CAP MOD	4B	WFO40514	42.4
77	CAVITY 1	COMP RCK	4B	WFO40514	42.4
92	CAVITY 2	COMP RCK	4B	WFO40514	42.4
120	CULEBRA	COMP RCK	4B	WFO40514	42.4
208	EXP AREA	COMP RCK	4B	WFO40514	42.4
2616	CAVITY 2	KFT	4B	WFO40514	42.4
2278	ASPHALT	PC MAX	4B	WFO40514	42.4
78	CAVITY 1	PC MAX	4B	WFO40514	42.4
93	CAVITY 2	PC MAX	4B	WFO40514	42.4
2380	CL M T1	PC MAX	4B	WFO40514	42.4
2397	CL M T2	PC MAX	4B	WFO40514	42.4
2414	CL M T3	PC MAX	4B	WFO40514	42.4
2431	CL M T4	PC MAX	4B	WFO40514	42.4
2312	CLAY BOT	PC MAX	4B	WFO40514	42.4
2465	CONC T1	PC MAX	4B	WFO40514	42.4
137	CULEBRA	PC MAX	4B	WFO40514	42.4
156	DEWYLAKE	PC MAX	4B	WFO40514	42.4
2498	EARTH	PC MAX	4B	WFO40514	42.4
2098	MAGENTA	PC MAX	4B	WFO40514	42.4
254	PAN SEAL	PC MAX	4B	WFO40514	42.4
2242	REPOSIT	PC MAX	4B	WFO40514	42.4
2515	SALT T1	PC MAX	4B	WFO40514	42.4
2532	SALT T2	PC MAX	4B	WFO40514	42.4
2549	SALT T3	PC MAX	4B	WFO40514	42.4
2566	SALT T4	PC MAX	4B	WFO40514	42.4
2583	SALT T5	PC MAX	4B	WFO40514	42.4
2617	CAVITY 2	PCT A	4B	WFO40514	42.4
2618	CAVITY 2	PCT EXP	4B	WFO40514	42.4
96	CAVITY 2	PO MDN	4B	WFO40514	42.4
79	CAVITY 1	PORE DIS	4B	WFO40514	42.4
94	CAVITY 2	PORE DIS	4B	WFO40514	42.4
80	CAVITY 1	POROSITY	4B	WFO40514	42.4
95	CAVITY 2	POROSITY	4B	WFO40514	42.4
256	PAN SEAL	POROSITY	4B	WFO40514	42.4
82	CAVITY 1	PRESSURE	4B	WFO40514	42.4
97	CAVITY 2	PRESSURE	4B	WFO40514	42.4
2486	CONC T2	PRMN LOG	1	WFO30640	shaft-scl
2487	CONC T2	PRMN LOG	1	WFO30640	shaft-scl
2488	CONC T2	PRMN LOG	1	WFO30640	shaft-scl
2289	ASPHALT	REL MOD	4B	WFO40514	42.4
88	CAVITY 1	REL MOD	4B	WFO40514	42.4
103	CAVITY 2	REL MOD	4B	WFO40514	42.4
2340	CL T T1	REL MOD	4B	WFO40514	42.4
2442	CL M T4	REL MOD	4B	WFO40514	42.4
2459	CL M T5	REL MOD	4B	WFO40514	42.4
2323	CLAY BOT	REL MOD	4B	WFO40514	42.4
2106	MAGENTA	REL MOD	4A	WFO40514	42.4
264	PAN SEAL	REL MOD	4B	WFO40514	42.4
2526	SALT T1	REL MOD	4B	WFO40514	42.4
2560	SALT T3	REL MOD	4B	WFO40514	42.4
2577	SALT T4	REL MOD	4B	WFO40514	42.4
2594	SALT T5	REL MOD	4B	WFO40514	42.4

2510	EARTH	SAT_IBRN	1	WPO30640	
265	PAN_SEAL	SAT_RBRN	4B	WPO40514	4.2.4
266	PAN_SEAL	SAT_RGAS	4B	WPO40514	4.2.4

June 17, 1996 BRAGFLO Placeholder Parameters					
id	idmtrl	idpram	impt	Analysis writeup	Section #/page #
229	IMPERM_Z	CAP_MOD	4B	WPO40514	4.2.4
2183	TAMARISK	CAP_MOD	4B	WPO40514	4.2.4
2217	UNNAMED	CAP_MOD	4B	WPO40514	4.2.4
2238	FORTYNIN	COMP_RCK	4B	WPO40514	4.2.4
230	IMPERM_Z	COMP_RCK	4B	WPO40514	4.2.4
2243	TAMARISK	COMP_RCK	4B	WPO40514	4.2.4
2218	UNNAMED	COMP_RCK	4B	WPO40514	4.2.4
27	BOREHOLE	DOMEGA	4B	WPO40514	pg 4-142
2239	FORTYNIN	PC_MAX	4B	WPO40514	4.2.4
231	IMPERM_Z	PC_MAX	4B	WPO40514	4.2.4
2244	TAMARISK	PC_MAX	4B	WPO40514	4.2.4
2247	UNNAMED	PC_MAX	4B	WPO40514	4.2.4
2716	FORTYNIN	PCT_A	4B	WPO40514	4.2.4
2721	IMPERM_Z	PCT_A	4B	WPO40514	4.2.4
2794	TAMARISK	PCT_A	4B	WPO40514	4.2.4
2800	UNNAMED	PCT_A	4B	WPO40514	4.2.4
2717	FORTYNIN	PCT_EXP	4B	WPO40514	4.2.4
2722	IMPERM_Z	PCT_EXP	4B	WPO40514	4.2.4
2795	TAMARISK	PCT_EXP	4B	WPO40514	4.2.4
2801	UNNAMED	PCT_EXP	4B	WPO40514	4.2.4
2087	FORTYNIN	PORE_DIS	4B	WPO40514	4.2.4
2185	TAMARISK	PORE_DIS	4B	WPO40514	4.2.4
2219	UNNAMED	PORE_DIS	4B	WPO40514	4.2.4
233	IMPERM_Z	POROSITY	4B	WPO40514	4.2.4
34	BOREHOLE	PRMX_LOG	4B	WPO40514	pg 4-142
35	BOREHOLE	PRMY_LOG	4B	WPO40514	pg 4-142
36	BOREHOLE	PRMZ_LOG	4B	WPO40514	pg 4-142
2093	FORTYNIN	RELP_MOD	4B	WPO40514	4.2.4
241	IMPERM_Z	RELP_MOD	4B	WPO40514	4.2.4
2191	TAMARISK	RELP_MOD	4B	WPO40514	4.2.4
2225	UNNAMED	RELP_MOD	4B	WPO40514	4.2.4
2240	FORTYNIN	SAT_RBRN	4B	WPO40514	4.2.4
243	IMPERM_Z	SAT_RBRN	4B	WPO40514	4.2.4
2245	TAMARISK	SAT_RBRN	4B	WPO40514	4.2.4
2248	UNNAMED	SAT_RBRN	4B	WPO40514	4.2.4
2094	FORTYNIN	SAT_RGAS	4B	WPO40514	4.2.4
244	IMPERM_Z	SAT_RGAS	4B	WPO40514	4.2.4
2192	TAMARISK	SAT_RGAS	4B	WPO40514	4.2.4
2226	UNNAMED	SAT_RGAS	4B	WPO40514	4.2.4

Additional Placeholder Parameters for BRAGFLO

id	idmtrl	idpram	impt	Analysis writeup	Section #/page #
40	BOREHOLE	RELP_MOD	4B	WPO40514	pg 4-142
41	BOREHOLE	SAT_RBRN	4A	WPO40514	pg 4-142
29	BOREHOLE	PC_MAX	4B	WPO40514	pg 4-142

Legacy parameters for Nuts/ PANEL and/or CUTTINGS_S and/or SECO_TP

id	idmtrl	idpram	impt	Analysis writeup	Section #/page #
651	WAS AREA	ABSROUGH	4B	WPO40521	pg 38

2:AM241	ATWEIGHT	3	WPO40515/ WPO40521	sec 5 pg 73
106:CF252	ATWEIGHT	3	WPO40515/ WPO40521	sec 5 pg 74
110:CM244	ATWEIGHT	3	WPO40515/ WPO40521	sec 5 pg 74
116:CS137	ATWEIGHT	3	WPO40515/ WPO40521	sec 5 pg 74
246:NP237	ATWEIGHT	3	WPO40521	pg 73
250:PA231	ATWEIGHT	3	WPO40515/ WPO40521	sec 5 pg 74
283:PB210	ATWEIGHT	3	WPO40515/ WPO40521	sec 5 pg 74
287:PM147	ATWEIGHT	3	WPO40515	5
291:PU238	ATWEIGHT	3	WPO40515/ WPO40521	sec 5 pg 75
295:PU239	ATWEIGHT	3	WPO40515/ WPO40521	sec 5 pg 75
299:PU240	ATWEIGHT	3	WPO40515/ WPO40521	sec 5 pg 75
303:PU241	ATWEIGHT	3	WPO40515/ WPO40521	sec 5 pg 75
307:PU242	ATWEIGHT	3	WPO40515/ WPO40521	sec 5 pg 75
311:PU244	ATWEIGHT	3	WPO40515/ WPO40521	sec 5 pg 75
314:RA226	ATWEIGHT	3	WPO40515/ WPO40521	sec 5 pg 75
514:SM147	ATWEIGHT	3	WPO40521	pg 76
603:TH229	ATWEIGHT	3	WPO40515/ WPO40521	sec 5 pg 75
607:TH230	ATWEIGHT	3	WPO40515/ WPO40521	sec 5 pg 75
611:TH232	ATWEIGHT	3	WPO40515/ WPO40521	sec 5 pg 75
632:U233	ATWEIGHT	3	WPO40515/ WPO40521	sec 5 pg 75
636:U234	ATWEIGHT	3	WPO40515/ WPO40521	sec 5 pg 75
640:U235	ATWEIGHT	3	WPO40515/ WPO40521	sec 5 pg 75
644:U236	ATWEIGHT	3	WPO40515/ WPO40521	sec 5 pg 75
647:U238	ATWEIGHT	3	WPO40515/ WPO40521	sec 5 pg 75
225:GLOBAL	TRANSIDX	4B	WPO40516	A-E

Deactivations from the original list of Legacy and Placeholder Parameters				
33:BOREHOLE	PRESSURE	5	Deactivated	
38:BOREHOLE	PTINDEX	5	Deactivated	
2089:FORTYNIN	PRMX	5	Deactivated	
2090:FORTYNIN	PRMY	5	Deactivated	
2091:FORTYNIN	PRMZ	5	Deactivated	

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 MS 1328 Martin S. Tierney, 6848
 MS 1324 S. Howarth, 6115
 MS 1322 J. Holmes, 6832
 WBS: 1.2.07.1.2:PDD:QA:GENERAL

Sandia National Laboratories

Corporation

Operated and managed by Sandia

& Lockheed Martin Corporation
Albuquerque, New Mexico 87185-

date: September 2, 1997

to: Memo of Record

 from: Mary-Alena Martell, 6821 and Susan Howarth, 6801

subject: Addenda to "Legacy Parameter" memo WPO#44202

Prior to the 1996 CCA Calculation, the QAP 9-2 was not in place and the 464 Forms for data entry were not required. As a mechanism to provide traceability of source information and to provide Regulators with a complete set of 464's for all values used in the CCA, 464's were completed for the 'legacy parameters' and processed through formal channels. This process required the PTL (Parameter Task Leader) to complete the 464 forms and pass them to the DBA (Database Administrator). The DBA reviewed the forms, per QAP 9-4, for completeness, checked information against the controlled database, entered any additional information, and submitted complete PRP's (Parameter Record Packages) to the SWCF in accordance with SNL WIPP QAP 17-1. Per QAP 9-4 page 13 the completed WIPP Parameter Data Entry Form, Form 464, was interpreted to mean all sections completed.

An issue has been raised regarding which box to check on the Form 464 for "legacy" parameter (i.e. major modification, new, error correction, or deactivation). WPO#38568¹ (the original designation of 'Legacy Parameters' memo) was used to document the categorization of 'Legacy Parameters' as model-configuration parameters (category 4B). The process for completing WIPP Data Entry Forms for legacy parameters was placed under the major modification category. QAP 9-2 page 10 section 5.3 under procedure "Note 1: The modification process described in this section should be used for changes that will not require an impact assessment (e.g. changes to non-numerical fields.....". The entry boxes on the top of the form 464 (modification, error correction, new, or deactivation) identifies from the PTL to the DBA the type of action the form represents. Major modification was checked because the non-numerical field (Category) for the 'Legacy Parameters' required changing to 4B per WPO#38568²; no changes were made to parameter values or distributions of values.

Before, the 464's were completed for the 'Legacy Parameters', the list of legacy parameters found in the June 17, 1996 "Legacy Memorandum" (Tierney and Vaughn to File, WPO 38568) was sent to Susan Howarth (a Principal Investigator (PI) in Dept. 6115). As the lead for the PI's on the parameter process, she reviewed the list with appropriate PI's. Except for the DRZ_0 and DRZ_1 permeabilities, there was no new data available for the listed Legacy Parameters and therefore the parameters were logically put into the 4B category. The appropriate PI's were involved in documenting the DRZ_0 and DRZ_1 permeabilities. The values used in the CCA were the same as the values used in the 1992 PA and not based on site specific data; hence, the PI's agreed that these parameters could logically be categorized as 4B's.

The decision to use the values consistent with the 1992 PA can be traced along lines of reasoning that PA calculations use a constant value for DRZ permeability of $-15.0 \log(m^2)$, a value substantiated in the records package FEP:S6 which screened out the need for dynamic (time-varying) porosity and permeability properties and from WPO35106 DRZ permeability was to be treated as isotropic and

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assigned a value of $-15.0 \log(m^2)$. The following list of documents trace the project position for the values used for the DRZ permeability.

- 1) SAND92-0700/3 section 2.3.1 pg. 2-11 and pg. 2-12
- 2) FEP: S6, "Dynamic Alterations of the Disturbed Rock Zone/Transition Zone."
SWCF:1.1.6.3:PA:NG:TSK:DR2, DR3, DR6, DR7, and S6, Sandia National Laboratories. 1996 WPO38152;
- 3) Memo from K.W. Larson to M.S. Tierney, 3/1/96 "Panel Closure Permeabilities for the 1996 CCA Calculations" WPO35106
- 4) T.W. Thompson, F.D. Hanson to M. G. Marietta, 8/1/96, "Long-term Performance of Panel Closures" WPO40418
- 5) Memo: from Kurt Larson to Margaret Chu, 10/31/96, "Bringing together information on the Salado DRZ: DRZ Healing, PA Parameter Values, Record Packages, FEP's Modeling, and Scenario Development" WPO44329
- 6) Kurt Larson to Margaret Chu, 11/27/96, "Bringing together information on the DRZ-Update" WPO42512

The following list of legacy parameters³ contains the current category and the original category assigned. The process of assigning categories to parameters began in August, 1995. The process was incomplete at the start of January, 1996. Once the 464 process was in place for the CCA Calculation in 1996, the category was placed on the 464 form, and became an integral part of defining a parameter.

id	idmtrl	idpram	Category assigned for CCA	old category as of December 1996
2	AM241	ATWEIGHT	3	3
2276	ASPHALT	CAP_MOD	4B	4
2278	ASPHALT	PC_MAX	4B	1
2289	ASPHALT	REL_P_MOD	4B	4
27	BOREHOLE	DOMEGA	4B	1
29	BOREHOLE	PC_MAX	4B	1
34	BOREHOLE	PRMX_LOG	4B	1
35	BOREHOLE	PRMY_LOG	4B	1
36	BOREHOLE	PRMZ_LOG	4B	1
40	BOREHOLE	REL_P_MOD	4B	4
41	BOREHOLE	SAT_RBRN	4A	1
50	BRINESAL	REF_PRES	4B	4
51	BRINESAL	REF_TEMP	4B	4
60	CASTILER	CAP_MOD	4B	4
62	CASTILER	PC_MAX	4B	4
2609	CASTILER	PCT_A	4B	
2610	CASTILER	PCT_EXP	4B	
63	CASTILER	PORE_DIS	4B	4
72	CASTILER	REL_P_MOD	4B	4
73	CASTILER	SAT_IBRN	4B	4
74	CASTILER	SAT_RBRN	4B	4
75	CASTILER	SAT_RGAS	4B	4
76	CAVITY_1	CAP_MOD	4B	4
77	CAVITY_1	COMP_RCK	4B	4
78	CAVITY_1	PC_MAX	4B	4
79	CAVITY_1	PORE_DIS	4B	4

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80 CAVITY_1	POROSITY	4B	4
82 CAVITY_1	PRESSURE	4B	4
88 CAVITY_1	REL_P_MOD	4B	4
91 CAVITY_2	CAP_MOD	4B	4
92 CAVITY_2	COMP_RCK	4B	4
2616 CAVITY_2	KPT	4B	
93 CAVITY_2	PC_MAX	4B	4
2617 CAVITY_2	PCT_A	4B	
2618 CAVITY_2	PCT_EXP	4B	
96 CAVITY_2	PO_MIN	4B	
94 CAVITY_2	PORE_DIS	4B	4
95 CAVITY_2	POROSITY	4B	4
97 CAVITY_2	PRESSURE	4B	4
103 CAVITY_2	REL_P_MOD	4B	4
106 CF252	ATWEIGHT	3	
2327 CL_L_T1	CAP_MOD	4B	4
2340 CL_L_T1	REL_P_MOD	4B	4
2380 CL_M_T1	PC_MAX	4B	1
2397 CL_M_T2	PC_MAX	4B	1
2414 CL_M_T3	PC_MAX	4B	1
2429 CL_M_T4	CAP_MOD	4B	4
2431 CL_M_T4	PC_MAX	4B	1
2442 CL_M_T4	REL_P_MOD	4B	4
2446 CL_M_T5	CAP_MOD	4B	4
2459 CL_M_T5	REL_P_MOD	4B	4
2510 CLAY_BOT	CAP_MOD	4B	4
2512 CLAY_BOT	PC_MAX	4B	1
2523 CLAY_BOT	REL_P_MOD	4B	4
110 CM244	ATWEIGHT	3	3
2465 CONC_T1	PC_MAX	4B	1
2486 CONC_T2	PRMX_LOG	1	1
2487 CONC_T2	PRMY_LOG	1	1
2488 CONC_T2	PRMZ_LOG	1	1
116 CS137	ATWEIGHT	3	3
119 CULEBRA	CAP_MOD	4B	4
120 CULEBRA	COMP_RCK	4B	1
137 CULEBRA	PC_MAX	4B	1
148 CULEBRA	REL_P_MOD	4B	4
149 CULEBRA	SAT_IBRN	4B	1
154 DEWYLAKE	COMP_RCK	4B	1
156 DEWYLAKE	PC_MAX	4B	1
166 DEWYLAKE	REL_P_MOD	4B	4
168 DEWYLAKE	SAT_IBRN	4B	4
176 DRZ_0	PC_MAX	4B	4
2702 DRZ_0	PCT_A	4B	
2703 DRZ_0	PCT_EXP	4B	
181 DRZ_0	PRMX_LOG	4B	1
182 DRZ_0	PRMY_LOG	4B	1
183 DRZ_0	PRMZ_LOG	4B	1
186 DRZ_0	REL_P_MOD	4B	4

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187 DRZ_0	SAT_IBRN	4B	1
193 DRZ_1	PC_MAX	4B	4
198 DRZ_1	PRMX_LOG	4B	4
199 DRZ_1	PRMY_LOG	4B	4
200 DRZ_1	PRMZ_LOG	4B	4
205 DRZ_1	SAT_RBRN	4B	4
206 DRZ_1	SAT_RGAS	4B	4
2498 EARTH	PC_MAX	4B	1
2510 EARTH	SAT_IBRN	1	1
208 EXP_AREA	COMP_RCK	4B	4
209 EXP_AREA	PC_MAX	4B	4
2712 EXP_AREA	PCT_A	4B	
2713 EXP_AREA	PCT_EXP	4B	
210 EXP_AREA	PORE_DIS	4B	4
213 EXP_AREA	PRESSURE	4B	4
219 EXP_AREA	REL_P_MOD	4B	4
2085 FORTYNIN	CAP_MOD	4B	4
2238 FORTYNIN	COMP_RCK	4B	4
2239 FORTYNIN	PC_MAX	4B	1
2716 FORTYNIN	PCT_A	4B	
2717 FORTYNIN	PCT_EXP	4B	
2087 FORTYNIN	PORE_DIS	4B	4
2093 FORTYNIN	REL_P_MOD	4B	4
2240 FORTYNIN	SAT_RBRN	4B	4
2094 FORTYNIN	SAT_RGAS	4B	4
225 GLOBAL	TRANSIDX	4B	4
229 IMPERM_Z	CAP_MOD	4B	4
230 IMPERM_Z	COMP_RCK	4B	4
231 IMPERM_Z	PC_MAX	4B	4
2721 IMPERM_Z	PCT_A	4B	
2722 IMPERM_Z	PCT_EXP	4B	
233 IMPERM_Z	POROSITY	4B	4
241 IMPERM_Z	REL_P_MOD	4B	4
243 IMPERM_Z	SAT_RBRN	4B	4
244 IMPERM_Z	SAT_RGAS	4B	4
2097 MAGENTA	CAP_MOD	4B	4
2098 MAGENTA	PC_MAX	4B	1
2106 MAGENTA	REL_P_MOD	4A	4
246 NP237	ATWEIGHT	3	3
250 PA231	ATWEIGHT	3	3
254 PAN_SEAL	PC_MAX	4B	4
256 PAN_SEAL	POROSITY	4B	4
264 PAN_SEAL	REL_P_MOD	4B	4
265 PAN_SEAL	SAT_RBRN	4B	4
266 PAN_SEAL	SAT_RGAS	4B	4
283 PB210	ATWEIGHT	3	3
287 PM147	ATWEIGHT	3	3
291 PU238	ATWEIGHT	3	3
295 PU239	ATWEIGHT	3	3
299 PU240	ATWEIGHT	3	3

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303 PU241	ATWEIGHT	3	3
307 PU242	ATWEIGHT	3	3
311 PU244	ATWEIGHT	3	3
314 RA226	ATWEIGHT	3	3
2242 REPOSIT	PC_MAX	4B	4
540 S_HALITE	CAP_MOD	4B	4
542 S_HALITE	PC_MAX	4B	4
543 S_HALITE	PORE_DIS	4B	1B
553 S_HALITE	RELP_MOD	4B	4
554 S_HALITE	SAT_IBRN	4B	1
555 S_HALITE	SAT_RBRN	4B	1
556 S_HALITE	SAT_RGAS	4B	1
2513 SALT_T1	CAP_MOD	4B	4
2515 SALT_T1	PC_MAX	4B	1
2526 SALT_T1	RELP_MOD	4B	4
2530 SALT_T2	CAP_MOD	4B	4
2532 SALT_T2	PC_MAX	4B	1
2547 SALT_T3	CAP_MOD	4B	4
2549 SALT_T3	PC_MAX	4B	1
2560 SALT_T3	RELP_MOD	4B	4
2564 SALT_T4	CAP_MOD	4B	4
2566 SALT_T4	PC_MAX	4B	1
2577 SALT_T4	RELP_MOD	4B	4
2581 SALT_T5	CAP_MOD	4B	4
2583 SALT_T5	PC_MAX	4B	1
2594 SALT_T5	RELP_MOD	4B	4
337 SANTAROS	COMP_RCK	4B	1
341 SANTAROS	POROSITY	4B	1
344 SANTAROS	PRMX_LOG	4B	1
345 SANTAROS	PRMY_LOG	4B	1
346 SANTAROS	PRMZ_LOG	4B	1
349 SANTAROS	RELP_MOD	4B	4
514 SM147	ATWEIGHT	3	3
2183 TAMARISK	CAP_MOD	4B	4
2243 TAMARISK	COMP_RCK	4B	4
2244 TAMARISK	PC_MAX	4B	1
2794 TAMARISK	PCT_A	4B	
2795 TAMARISK	PCT_EXP	4B	
2185 TAMARISK	PORE_DIS	4B	4
2191 TAMARISK	RELP_MOD	4B	4
2245 TAMARISK	SAT_RBRN	4B	4
2192 TAMARISK	SAT_RGAS	4B	4
603 TH229	ATWEIGHT	3	3
607 TH230	ATWEIGHT	3	3
611 TH232	ATWEIGHT	3	3
632 U233	ATWEIGHT	3	3
636 U234	ATWEIGHT	3	3
640 U235	ATWEIGHT	3	3
644 U236	ATWEIGHT	3	3
647 U238	ATWEIGHT	3	3

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2217 UNNAMED	CAP_MOD	4B	4
2218 UNNAMED	COMP_RCK	4B	4
2247 UNNAMED	PC_MAX	4B	4
2800 UNNAMED	PCT_A	4B	
2801 UNNAMED	PCT_EXP	4B	
2219 UNNAMED	PORE_DIS	4B	4
2225 UNNAMED	RELP_MOD	4B	4
2248 UNNAMED	SAT_RBRN	4B	4
2226 UNNAMED	SAT_RGAS	4B	4
651 WAS_AREA	ABSOROUGH	4B	1
658 WAS_AREA	PC_MAX	4B	1
662 WAS_AREA	PRESSURE	4B	4
2231 WAS_AREA	SAT_WICK	4B	

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MS-1335 Robert Richards, 6811

~~MS-1330-WBS-12.07.12-PDD-QA-GENERAL~~

¹ Memo: Martin Tierney and Palmer Vaughn. June 17, 1996. "Designation of "Legacy Parameters" and "Placeholders" in the WIPP Parameter Database. WPO#38568

² Ibid.

³ Addenda to WPO#38568 SNL Internal Memo: M. Tierney and P. Vaughn to File, 6/17/96, "Designation of Legacy Parameters" and "Placeholders" in the WIPP Parameter Database

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Appendix G
Distribution Memoranda

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Sandia National Laboratories

Albuquerque, New Mexico 87185-1328

date: March 21, 1996

to: Distribution

Martin S. Tierney
from: Martin S. Tierney, MS-1328 (6741)

subject: Distributions

Attached are discussions for some of the various types of distributions assigned to parameters used for the 1996 CCA Calculation. Each discussion outlines the appropriate use for each distribution and references are included to support its use.

The names of the distributions discussed in this memo are: *CONSTANT, CUMULATIVE, DELTA, NORMAL, TRIANGULAR, UNIFORM, LOGNORMAL, LOGUNIFORM.*

Attachments

Distribution:

MS1324 Rick Beauheim
MS1342 Larry Brush
MS1342 Barry Butcher
MS1324 Tracey Christian-Frear
MS1324 Susan Howarth
MS1324 Al Lappin
MS1328 Amy Johnson
MS1328 Hong-Nian Jow
MS1328 Mary Alena Martell
MS1324 Lucy Meigs
MS1341 Bob Moore
MS1320 Craig Novak
MS1320 Hans Papenguth
MS1320 Malcolm Siegel
MS1341 Yifeng Wang
MS1341 Ruth Weiner

WBS:1.2.07.1.2:PDD:QA:GENERAL

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Cumulative Distribution

A Cumulative Distribution (also called a *Constructed Distribution*) is described by a set of N ordered pairs:

$$(x_1, 0), (x_2, P_2), (x_3, P_3), \dots, (x_N, 1) \quad \{i.e. \quad P_1 = 0 \quad \text{and} \quad P_N = 1 \quad \text{always}\}$$

where $x_1 < x_2 < x_3 < \dots < x_N$ and $0 < P_2 < P_3 < \dots < P_{N-1} < 1$

Due to the nature of the data, the probability density function (pdf) for this distribution takes the form :

$$P(\xi) = \begin{cases} 0 & \text{if } \xi < x_1 \\ \frac{P_n - P_{n-1}}{x_n - x_{n-1}} & \text{if } x_{n-1} \leq \xi \leq x_n, \quad n = 2, 3, \dots, N \\ 0 & \text{if } \xi \geq x_N \end{cases}$$

and so the cumulative distribution function (CDF) takes the form:

$$P_n \{X \leq \xi\} = \Pi(\xi) = \begin{cases} 0 & \text{if } \xi < x_1 \\ P_{n-1} + \frac{(P_n - P_{n-1})(\xi - x_{n-1})}{(x_n - x_{n-1})} & \text{if } x_{n-1} \leq \xi \leq x_n, \quad n = 2, 3, \dots, N \\ 1 & \text{if } \xi > x_N \end{cases}$$

$$\text{Expected Value: } E(X) = \sum_{n=2}^N (P_n - P_{n-1}) \frac{(x_n + x_{n-1})}{2}$$

$$\text{Variance: } V(X) = \sum_{n=2}^N (P_n - P_{n-1}) \frac{(x_n^2 + x_n x_{n-1} + x_{n-1}^2)}{3} - \{E(X)\}^2$$

$$\text{Median: } X_{0.50} = x_{m-1} + (x_m - x_{m-1}) \frac{(0.50 - P_{m-1})}{(P_m - P_{m-1})} \quad \text{where } P_{m-1} \leq 0.50 < P_m.$$

When use of the cumulative distribution is appropriate:

The cumulative distribution takes its name from the fact that it closely resembles the empirical cumulative distribution function (Blom 1989; pg. 216) obtained by plotting the empirical percentiles of the data set $(x_1, x_2, x_3, \dots, x_N)$. Usually, the cumulative distribution (in the sense used here) is the result of plotting the *subjectively determined* percentile points (x_1, P_1) , (x_2, P_2) , (x_3, P_3) ... , that arise in a formal elicitation of expert opinion concerning the form of the distribution of the parameter in question. Also, a simple form of the cumulative distribution is appropriately used when the range $[a, c]$ of the parameter is known and the analyst believes that his or her "best estimate" value, b , is also the median (or 50th percentile) of the unknown distribution. In this case, the subjectively determined percentile points take the form: $(a, 0.0)$, $(b, 0.5)$, $(c, 1.0)$.

The cumulative distribution is the *Maximum Entropy* distribution associated with a set of percentile points (x_1, P_1) , (x_2, P_2) , ..., (x_N, P_N) , no matter how that set of percentile points is obtained (i.e. independent of whether the points are empirically or subjectively derived).

References for Cumulative Distribution:

Blom, Gunnar. 1989. *Probability and Statistics: Theory and Applications*. New York: Springer-Verlag.

Tierney, Martin. 1990. *Constructing Probability Distributions of Uncertain Variables in Models of the Performance of the Waste Isolation Pilot Plant: The 1990 Performance Simulations*. SAND90-2510. Albuquerque, NM: Sandia National Laboratories

Logcumulative Distribution

In this case, the independent variable is Y, where $Y = \log X$. As with the cumulative data, this distribution is described by a set of N ordered pairs:

$$(y_1, 0), (y_2, P_2), (y_3, P_3), \dots, (y_N, 1) \quad \{i.e. \ P_1 = 0 \text{ and } P_N = 1 \text{ always}\}$$

where $y_1 < y_2 < y_3 < \dots < y_N$ and $0 < P_2 < P_3 < \dots < P_{N-1} < 1$

Due to the nature of the data, the probability density function (pdf) for this distribution takes the form :

$$P(\xi) = \begin{cases} 0 & \text{if } \xi < x_1 \\ \frac{P_n - P_{n-1}}{\ln x_n - \ln x_{n-1}} \frac{1}{\xi} & \text{if } x_{n-1} \leq \xi \leq x_n, \quad n = 2, 3, \dots, N \\ 0 & \text{if } \xi \geq x_N \end{cases}$$

and so the cumulative distribution function (CDF) takes the form:

$$P_n\{X \leq \xi\} \approx \Pi(\xi) = \begin{cases} 0 & \text{if } \xi < x_1 \\ P_{n-1} + \frac{(P_n - P_{n-1})(\ln \xi - \ln x_{n-1})}{(\ln x_n - \ln x_{n-1})} & \text{if } x_{n-1} \leq \xi \leq x_n \\ 1 & \text{if } \xi > x_N \end{cases} \quad n = 2, 3, \dots, N$$

$$\text{Expected Value: } E(X) = \sum_{n=2}^N (P_n - P_{n-1}) \frac{(x_n - x_{n-1})}{\ln x_n - \ln x_{n-1}}$$

$$\text{Variance: } V(X) = \sum_{n=2}^N \frac{1}{2} (P_n - P_{n-1}) \frac{(x_n^2 - x_{n-1}^2)}{(\ln x_n - \ln x_{n-1})} - \{E(X)\}^2$$

$$\text{Median: } X_{0.50} = 10^{\wedge} \left\{ x_{m-1} + (x_m - x_{m-1}) \frac{(0.50 - P_{m-1})}{(P_m - P_{m-1})} \right\} \quad \text{where } P_{m-1} \leq 0.50 < P_m.$$

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The Delta Distribution

The Delta Distribution is used to assign probabilities to the elements of some finite set. For example, if the finite set consists of four alternative mathematical models of some phenomena and each model is labelled with one of the integers {1,2,3,4}, in other words,

$$M_1, M_2, M_3, M_4$$

then we might assign the vector of probabilities (p_1, p_2, p_3, p_4) , where each p_i is a number between 0 and 1 and

$$p_1 + p_2 + p_3 + p_4 = 1.$$

The cumulative distribution function (CDF) associated with this Delta Distribution can be symbolically expressed by

$$F(x) = \sum_{n=1}^4 p_n u(x-n).$$

The graph of this CDF can be visualized as an ascending "staircase" starting at zero level for x less than one, and having "steps" of height p_n at the points $x = n$, $n = 1, 2, 3, 4$.

The notion of mean value and variance still apply to a Delta Distribution but the meanings of these quantities may require careful interpretation. For the example of the four alternative mathematical models, the "mean" mathematical model is the linear combination

$$\bar{M} = \sum_{n=1}^4 p_n M_n$$

and the "variance" of the models is similarly defined:

$$\Sigma^2 = \sum_{n=1}^4 p_n (\bar{M} - M_n)^2$$

The notion of median value is usually meaningless for a Delta Distribution.

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Normal Distribution

Density function :

$$f(x) = \frac{1}{\sigma\sqrt{2\pi}} \exp\left\{-\frac{(x-\mu)^2}{2\sigma^2}\right\} \quad -\infty < x < \infty$$

Distribution function:

$$F(x) = \int_{-\infty}^x f(t)dt \quad -\infty < x < \infty$$

Expected value and variance: $E(X) = \mu$ and $V(X) = \sigma^2$.

This program employs a truncated normal distribution where data is concentrated within an interval (lowrange,hirange). The parameters of the truncated distribution can be expressed as follows:

$$E(X) = \mu = \frac{(\text{lowrange} + \text{hirange})}{2} \quad V(X) = \sigma^2 = \left(\frac{\text{hirange} - \text{lowrange}}{6.18}\right)^2$$

Median = mean (μ) and *lowrange* = 0.01 quantile, *hirange* = 0.99 quantile. The range of the random variable is arbitrarily set to (*lowrange*, *hirange*). Alternatively, the expected value μ and the standard deviation σ can be specified by the user of this distribution; in this case, the random variable takes on the range $(-\infty, \infty)$.

When use of the normal distribution is appropriate:

Use of the normal distribution is appropriate whenever it is known that the parameter is the sum of independent, identically-distributed random variables (this is seldom the case in practice) and there are a sufficient number of measurements of the parameter ($N > 10$) to make accurate, unbiased estimates of the mean (μ) and variance (σ^2).

References:

Tierney, Martin. 1990. *Constructing Probability Distributions of Uncertain Variables in Models of the Performance of the Waste Isolation Pilot Plant: The 1990 Performance Simulations*. SAND90-2510. Albuquerque, NM: Sandia National Laboratories

Sandia WIPP Project. 1992. *Preliminary Performance Assessment for the Waste Isolation Pilot Plant, December 1992. Volume 3: Model Parameters*. SAND92-0700/3. Albuquerque, NM: Sandia National Laboratories. (see sections 1.2.1 to 1.2.7)

INFORMATION ONLY

Triangular Distribution

$$\begin{aligned} \text{Density Function: } f(x) &= \frac{2(x-a)}{(c-a)(b-a)} & a \leq x \leq b \\ &= \frac{2(c-x)}{(c-a)(c-b)} & b \leq x \leq c \end{aligned}$$

$$\begin{aligned} \text{Distribution Function: } F(x) &= \frac{(x-a)^2}{(c-a)(b-a)} & a \leq x \leq b \\ &= \frac{b-a}{c-a} - \frac{(x+b-2c)(x-b)}{(c-a)(c-b)} & b \leq x \leq c \end{aligned}$$

$$\text{Expected Value: } E(X) = \frac{a+b+c}{3}$$

$$\text{Variance: } V(X) = \frac{a(a-b) + b(b-c) + c(c-a)}{18}$$

$$\begin{aligned} \text{Median: } X_{0.5} &= a + \sqrt{\frac{(c-a)(b-a)}{2}} & \text{if } b \geq \frac{a+c}{2} \\ &= c - \sqrt{\frac{(c-b)(c-a)}{2}} & \text{if } b \leq \frac{a+c}{2} \end{aligned}$$

The Triangular Distribution is defined on the range $[a,c]$ and has mode b . The mode can equal either of the two boundary values, which may simplify the computations above.

When use of the triangular distribution is appropriate:

Use of the triangular distribution is appropriate when the range, $[a,c]$, of the parameter is known and the analyst believes that his or her "best estimate" value, b , is also the mode (or *most probable value*) of the unknown distribution.

References:

Iman, R.L. and M.J. Shortencarier. 1984. *A FORTRAN 77 Program and User's Guide for the Generation of Latin Hypercube and Random Samples for Use With Computer Models*. SAND83-2365. Albuquerque, NM: Sandia National Laboratories.

INFORMATION ONLY

Uniform Distribution

Density Function: $f(x) = \frac{1}{B-A}$ $A \leq x \leq B$

Distribution Function: $F(x) = \frac{x-A}{B-A}$ $A \leq x \leq B$

Expected value and variance: $E(X) = \frac{A+B}{2}$ $V(X) = \frac{(B-A)^2}{12}$

Median: $X_{0.5} = \text{mean}$

The program requires the endpoints A and B.

When use of the uniform distribution is appropriate:

Use of the uniform distribution is appropriate when all that is known about a parameter is its range (A,B); the uniform distribution is the *Maximum Entropy* distribution under these circumstances.

References:

Tierney, Martin. 1990. *Constructing Probability Distributions of Uncertain Variables in Models of the Performance of the Waste Isolation Pilot Plant: The 1990 Performance Simulations*. SAND90-2510. Albuquerque, NM: Sandia National Laboratories

INFORMATION ONLY

Lognormal Distribution

If $X \sim N(\mu, \sigma^2)$ and $Y = e^x$, then Y has a lognormal distribution.

Density function:
$$f(y) = \frac{1}{y\sigma\sqrt{2\pi}} \exp\left\{-\frac{(\ln y - \mu)^2}{2\sigma^2}\right\} \quad y > 0$$

Distribution function:
$$F(x) = \int_0^y f(t) dt \quad y > 0$$

Expected value and variance:
$$E(Y) = \exp\left(\mu + \frac{\sigma^2}{2}\right) \quad V(Y) = \exp(2\mu + \sigma^2) [\exp(\sigma^2) - 1]$$

Median:
$$X_{0.5} = e^\mu$$

As with the normal distribution, the lognormal distribution requires lowrange and hirange values. These values are in logarithmic form and are utilized in a normal distribution to determine a mean(μ) and a variance(σ^2), which in turn are used to identify the expected value and variance for the lognormal distribution.

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Loguniform Distribution

If X has a loguniform distribution on the interval from A to B where $B > A > 0$, then $Y = \log_{10} X$ has a uniform distribution from $\log_{10} A$ to $\log_{10} B$.

Density Function:
$$f(x) = \frac{1}{x} (\ln B - \ln A) \quad A < x < B$$

Distribution Function :
$$F(x) = \frac{\ln x - \ln A}{\ln B - \ln A} \quad A < x < B$$

Expected Value:
$$E(X) = \frac{B - A}{\ln B - \ln A}$$

Variance:
$$V(X) = (B - A) \left[\frac{(\ln B - \ln A)(B + A) - 2(B - A)}{2(\ln B - \ln A)^2} \right]$$

Median:
$$X_{0.5} = \sqrt{AB}$$

When use of the loguniform distribution is appropriate:

Use of the loguniform distribution is appropriate when all that is known about a parameter is its range (A, B) and $B/A \gg 10$; that is, the range (A, B) spans many orders of magnitude.

References:

Iman, R.L. and M.J. Shortencarier. 1984. *A FORTRAN 77 Program and User's Guide for the Generation of Latin Hypercube and Random Samples for Use With Computer Models*. SAND83-2365. Albuquerque, NM: Sandia National Laboratories.

date: April 4, 1996

to: Distribution

Mary-Alena Martell
from: Mary-Alena Martell, MS-1328 (6849)

subject: Student-T Distribution

Attached is the discussion for Student-T distribution assigned to parameters used for the 1996 CCA Calculation. The discussion outlines the appropriate use for the distribution and references are included to support its use.

Attachments

Distribution:

MS1324	Rick Beauheim
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MS1342	Barry Butcher
MS1324	Tracey Christian-Frear
MS1324	Susan Howarth
MS1324	Al Lappin
MS1328	Amy Johnson
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MS1320	Malcolm Siegel
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MS1341	Ruth Weiner

SWCF:1.2.07.1.2:PDD:QA:GENERAL (WPO 36380)

The t-Distribution

We want to estimate the unknown mean, m , of a distribution, given a limited number of samples of the underlying random variable x .

$$x_1, x_2, x_3, \dots, x_n$$

We take a Bayesian point of view and regard m as a random variable M whose distribution we want to estimate, given sample statistics mentioned above. Our starting point is [Blom, 1989; pg. 232]

"The ratio $(\bar{x} - M)/d$, where $d = s/\sqrt{n}$, is an observation on a random variable that has a t-distribution with $n-1$ degrees of freedom" (where)

$$\bar{x} = \frac{1}{n} \sum_{i=1}^n x_i, \quad \text{the sample mean;}$$

$$s = \left[\frac{1}{(n-1)} \sum_{i=1}^n (x_i - \bar{x})^2 \right]^{1/2}, \quad \text{the sample standard deviation.}$$

From the above quotation, we are allowed to express M as a linear transformation

$$M = \bar{x} + dT$$

and the RV T is distributed according to a standard t-distribution with $k = n-1$ degrees of freedom; the probability density function for the t-distribution has the form:

$$f(t|k) = \frac{1}{k^{1/2} B(k/2, 1/2)} \left(1 + \frac{t^2}{k} \right)^{-\frac{(k+1)}{2}}, \quad -\infty < t < +\infty \quad (1)$$

where

$$B(w, z) = \frac{\Gamma(z)\Gamma(w)}{\Gamma(z+w)}$$

The CDF corresponding to (1) is therefore

$$F(t|k) = \Pr\{T \leq t\} = \frac{1}{k^{1/2} B(k/2, 1/2)} \int_{-\infty}^t \left(1 + \frac{\sigma^2}{k} \right)^{-(k+1)/2} d\sigma \quad (2)$$

This can be put in "closed form" by introducing the incomplete beta function:

$$I_{[x]}(a, b) = \frac{1}{B(a, b)} \int_0^x t^{a-1} (1-t)^{b-1} dt \quad (a, b > 0),$$

and making the following change of variables in Equ. (2): let

$$w = \frac{1}{(1 + s^2/k)} = \frac{k}{(k + s^2)} \quad (3)$$

and first consider the case $t \geq 0$, i.e.,

$$\begin{aligned} F(t|k) &= \Pr\{T \leq 0\} + \int_0^t \left(1 + \frac{\sigma^2}{k}\right)^{-(k+1)/2} d\sigma \\ &= \frac{1}{2} + \frac{1}{k^{1/2} B(k/2, 1/2)} \int_0^t \left(1 + \frac{\sigma^2}{k}\right)^{-(k+1)/2} d\sigma \end{aligned}$$

Under transformation (3); as $\sigma \rightarrow 0$, $w \rightarrow 1$ and as $\sigma \rightarrow t$, $w = \frac{k}{(k + t^2)} < 1$

Also

$$\left(1 + \frac{\sigma^2}{k}\right)^{-(k+1)/2} = w^{(k+1)/2}; d\sigma = -\frac{k^{1/2}}{2} (1-w)^{-1/2} w^{-3/2} dw$$

Thus

$$\begin{aligned} F(t|k) &= \frac{1}{2} - \frac{1}{B(k/2, 1/2)} \int_1^{k/(k+t^2)} w^{(k-1)/2} \cdot \frac{1}{2} (1-w)^{-1/2} w^{-3/2} dw \\ &= \frac{1}{2} - \frac{1}{2B(k/2, 1/2)} \int_1^{k/(k+t^2)} w^{(k-2)/2} (1-w)^{-1/2} dw \end{aligned}$$

Not quite there! Let $u = 1-w$ [$w = 1-u$], $dw = -du$ and $w=1 \rightarrow u=0$; $w=k/(k+t^2) \rightarrow u = t^2/(k+t^2)$; thus

$$F(t|k) = \frac{1}{2} + \frac{1}{2B(k/2, 1/2)} \int_0^{t^2/(k+t^2)} \left(\frac{t^2}{k+t^2}\right)^{(k/2-1)} u^{-1/2} du$$

or

$$F_+(t|k) = \frac{1}{2} + \frac{1}{2} I_{\left[\frac{t^2}{k+t^2}\right]}(1/2, k/2), \quad t \geq 0 \quad (4A)$$

This has the sight behavior, since

$$I_{[0]}(a, b) = 0, \quad I_1(a, b) = 1.$$

Next, assume that $t < 0$. Then

$$F_{-}(t|k) = F_{+}(t|k) - \frac{1}{k^{1/2} B(k/2, 1/2)} \int_{-t}^t \left(1 + \frac{\sigma^2}{k}\right)^{-(k+1)/2} d\sigma$$

$$= F_{+}(t|k) - A(t|k)$$

$$= \frac{1}{2} + \frac{1}{2} I_{\left[\frac{t^2}{k+t^2}\right]}(1/2, k/2) - 1 + I_{\left[\frac{k}{k+t^2}\right]}(1/2, k/2)$$

So, upon using the symmetry relation $I_x(a, b) = 1 - I_{1-x}(b, a)$, we have

$$I_{\left[\frac{k}{k+t^2}\right]}(k/2, 1/2) = 1 - I_{\left[\frac{t^2}{k+t^2}\right]}(1/2, k/2)$$

Therefore

$$F_{-}(t|k) = \frac{1}{2} - \frac{1}{2} I_{\left[\frac{t^2}{k+t^2}\right]}(1/2, k/2), t < 0 \quad (4B)$$

Sandia National Laboratories

Albuquerque, New Mexico 87185-1341

date: April 16, 1996

to: Distribution

Martin Tierney

from: Martin S. Tierney, MS-1328 (6741)

Parameter Task Leader

subject: DEVELOPMENT OF PARAMETER VALUES DISTRIBUTION
FUNCTIONS

Attached is a flow chart which shows the development of the parameter values distribution functions as defined in QAP 9-2. This flow chart is meant to supplement the earlier memo dated 3/21/96 to provide a generic description of the parameter development process.

Copy to:

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SWCF-A:1.2.07.1.2:PDD:QA:General Flow Chart

CORRESPONDENCE

Development of Parameter Values Distribution Functions

Information 101

Sandia National Laboratories

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Sandia Corporation

INFORMATION ONLY

Albuquerque, New Mexico 87185-

date: December 13, 1996

to: Distribution

from: *Martin Tierney* *Mary-Alena Martell*
Martin Tierney, 6848, and Mary-Alena Martell, 6849

subject: On criteria for specifying CONSTANTS in the WIPP PA Parameter Database

In this memo we state our reasons for choosing constant values for certain parameters appearing in the WIPP PA Parameter Database and give some informal discussion of those reasons. Briefly, a parameter was assigned a constant value for one of three reasons: (1) The quoted or calculated value of the parameter was known to be highly precise, i.e. its coefficient of variation is demonstrably *much less than one* (see discussion below). (2) Nothing was known about the precision of the quoted value of the parameter but a rational for its choice as a constant was supplied by the PA analyst or a subject-matter expert. (3) The parameter was deemed to be an uncertain parameter and was assigned a probability distribution but was not "sampled" in the 1996 series of sensitivity/uncertainty studies. A constant value (usually the median of the distribution) was assigned to all parameters that had distributions but were not sampled. The choice of almost all Category 3 (and some Category 1 and 4) constants in the PA Parameter Database can be justified by Reason (1). Reason (2) applies to all Category 2 and almost all Category 4 constants. A discussion of the process for choosing the particular parameters that were sampled in the 1996 sensitivity/uncertainty studies is outside the scope of this note; the reader should consult other WIPP Project documents for this information.

The Coefficient of Variation.

A convenient measure of the precision of any experimentally derived number is the *coefficient of variation* associated with the set of measurements used to estimate the number. Usually, the number to be estimated represents the spatial average or mean value of some physical quantity, e.g. rock porosity or a chemical rate constant (Sandia WIPP Project 1992; Section 1.3.3) but it also may be a fundamental constant that is to be estimated using noisy measurements. The coefficient of variation is the ratio of the sample standard deviation of the set of measurements to the sample mean of the measurements. [Those unfamiliar with statistical terminology should see, for example, Chapter 1 of Smith (1991)]. *The smaller the coefficient of variation, the higher the precision.* Furthermore, the smaller the coefficient of variation, the more justification for treating a parameter as a constant instead of assigning a probability distribution to it. Most fundamental physical constants, those compiled in long-standing and well-reviewed sources such as the CRC Handbook of Chemistry and Physics, have tiny coefficients of variations of the order of $1.0\text{E}-10$ to $1.0\text{E}-06$. Tiny coefficients of variation also occur for those WIPP related, spatially-averaged quantities for which there are numerous small-scale measurements: For example, there are 103 small-scale measurements of matrix porosity of the Culebra Dolomite Member of the Rustler Formation: The average of these measurements (0.151) is an unbiased estimate of the spatially averaged porosity required by the PA models; the standard deviation of this estimate is the sample standard

deviation ($2.9\text{E-}03$) divided by the square root of 103 (10.149) or about $2.9\text{E-}04$. Thus, the coefficient of variation of the estimate of porosity is about $1.9\text{E-}03$ which is sufficiently small to justify the assignment of a constant porosity equal to 0.151.

The idea of the coefficient of variation is useful even if the "measurements" are only the results of different person's estimates of the same number; in that case, the coefficient of variation times 100 can be interpreted as relative error. For an example of this, consider the following. Three numbers are given for the Gas Constant for hydrogen: 4116.0, 4124.18, and 4129.72. The sample mean of these numbers is 4123.30, the sample variance is 47.640 and so the sample standard deviation is 6.9022; the coefficient of variation is therefore 6.9022 divided by 4123.30 or $1.6740\text{E-}3$. The use of any one of these estimates of the Gas Constant would involve an error less than 0.2 percent.

Criteria for imprecisely determined parameters.

How imprecise does a parameter have to be (i.e., how big does the coefficient of variation have to be) before we must seriously consider assigning that parameter a probability distribution? The answer to this question depends upon the nature of the model in which the parameter appears and whether we have reason to believe that model outputs are sensitive to changes in the parameter's value. No physical constant, even the speed of light in the vacuum, is without imprecision; all are known only to a limited number of significant figures, and the number of significant figures that one uses in an application depends, naturally, upon the precision required of the outputs of that application. For example, constants such as π or the speed of light in the vacuum may have to be used with high precision (six or more significant figures) in celestial mechanics, geodesy, or some time-keeping applications; whereas $\pi = 3.14$ may be more than adequate in laying out a circular garden plot. WIPP PA models fall into the category of "garden plot layout" applications because of the large uncertainty in WIPP conceptual models and the (usually) clear distinction that can be made between the truly uncertain and the manifestly constant parameters of the mathematical models.

Another situation where precision in the specification of parameter values becomes important is in investigations with *intrinsically stochastic mathematical models* (Glimm 1991). Models of this type show extreme sensitivity to the values assigned to initial conditions or to certain internal constants, and are sometimes called *chaotic*. As simple examples of chaotic models, take certain algorithms used to generate pseudorandom numbers on a digital computer (Peitgen, Jurgens and Saupe, 1992; Section 1.5). The input to these algorithms is usually one number called the "seed" and, given a definite value for the seed, the output is a unique and reproducible sequence of numbers between zero and one. Nevertheless, even a tiny change in the "seed" value (say, in the 12th decimal place) ultimately produces a sequence of pseudorandom numbers that is very different from the one produced using the unchanged seed value.

As far as we can tell at this time, none of the dominating mathematical models used in the WIPP PA are chaotic. Calculations for the 1996 CCA indicate that the total-system performance measure is dominated by a few submodels whose numerical solutions depend smoothly, almost linearly, upon a few critical problem parameters and there are no reasons for believing that this smooth dependence does not extend to non-critical or untested parameters.

We therefore feel justified in not making any hard and fast rules about when a parameter should be treated as a constant. In general, a parameter whose coefficient of variation is less than 0.1 is treated as a constant; parameters with coefficients of variation of the order of unity or larger are usually treated as random variables and a probability distribution is assigned to them.

References:

Glimm, J. 1991. "Nonlinear and Stochastic Phenomena: The Grand Challenge for Partial Differential Equations," *SIAM Review*. Vol.33, no. 4, 626-643.

Peitgen, H.-O., H. Jürgens, and D. Saupe. 1992. *Chaos and Fractals: New Frontiers of Science*. New York, NY: Springer-Verlag.

Smith, G. 1991. *Statistical Reasoning*. 3rd ed. Boston, MA: Allyn and Bacon.

Sandia WIPP Project. 1992. *Preliminary Performance Assessment for the Waste Isolation Pilot Plant, December 1992. Volume 3: Model Parameters*. SAND92-0700/3. Albuquerque, NM: Sandia National Laboratories.

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WBS:1.2.07.1.2:PDD:QA:GENERAL
(this memo supplements WPO#35268)

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Appendix H

Sampled Parameters from Appendix PAR

Parameters Sampled in LHS Code (and parameters to which sampled values were applied)

LHS #	Id #	Material	Material Description	Parameter	Parameter Description	Distribution Type	Units	Mean	Median	Low	High	Standard Deviation	WPO #
1	2907	STEEL	Generic steel in waste	CORRMCO2	Inundated corrosion rate for steel without CO2 present	UNIFORM	m/s	7.9370E-15	7.9370E-15	0	1.5870E-14	0	34357
2	2823	WAS_AREA	Waste emplacement area and waste	PROBDEG	Prob. of plastics&rubber biodegradation in event of significant microbial gas generation	DELTA	NONE	n.a.	n.a.	0	2	n.a.	34881
(2)	2824	REPOSIT	Repository regions outside of Panel region	PROBDEG	Prob. of plastics&rubber biodegradation in event of microbial gas generation	DELTA	NONE	n.a.	n.a.	0	2	n.a.	33264
3	657	WAS_AREA	Waste emplacement area and waste	GRATMICI	Biodegradation rate, inundated conditions	UNIFORM	mol/kg*s	4.9150E-09	4.9150E-09	3.1710E-10	9.5129E-09	0	34928
(3)	2128	REPOSIT	Repository regions outside of Panel region	GRATMICI	Gas production rate, microbial, inundated conditions	UNIFORM	mol/kg*s	4.9150E-09	4.9150E-09	3.1710E-10	9.5129E-09	0	33235
4	656	WAS_AREA	Waste emplacement area and waste	GRATMICH	Biodegradation rate, humid conditions relative to inundated rate	UNIFORM	mol/kg*s	6.3420E-10	6.3420E-10	0	1.2684E-09	0	34923
(4)	2127	REPOSIT	Repository regions outside of Panel region	GRATMICH	Gas production rate, microbial, humid conditions relative to inundated rate	UNIFORM	mol/kg*s	6.3420E-10	6.3420E-10	0	1.2684E-09	0	33234
5	2994	CELLULS	Cellulose	FBETA	Factor beta for microbial reaction rates	UNIFORM	NONE	5.0000E-01	5.0000E-01	0	1.0000E+00	0.29	31826
6	671	WAS_AREA	Waste emplacement area and waste	SAT_RGAS	Residual Gas Saturation	UNIFORM	NONE	7.5000E-02	7.5000E-02	0	1.5000E-01	0.04	34905
(6)	2137	REPOSIT	Repository regions outside of Panel region	SAT_RGAS	Residual Gas Saturation	UNIFORM	NONE	7.5000E-02	7.5000E-02	0	1.5000E-01	0.04	33286
7	670	WAS_AREA	Waste emplacement area and waste	SAT_RBRN	Residual Brine Saturation	UNIFORM	NONE	2.7600E-01	2.7600E-01	0	5.5200E-01	0.16	34902
(7)	2741	REPOSIT	Repository regions outside of Panel region	SAT_RBRN	Residual Brine Saturation	UNIFORM	NONE	2.7600E-01	2.7600E-01	0	5.5200E-01	0.16	33283
8	2231	WAS_AREA	Waste emplacement area and waste	SAT_WICK	Index for computing wicking	UNIFORM	NONE	5.0000E-01	5.0000E-01	0	1.0000E+00	0.29	34908
(8)	2138	REPOSIT	Repository regions outside of Panel region	SAT_WICK	Index for computing wicking	UNIFORM	NONE	5.0000E-01	5.0000E-01	0	1.0000E+00	0.29	33289
9	2334	CL_L_T1	Lower Salado clay: 0 to 10 years	PRMX_LOG	Log of intrinsic permeability, X-direction	TRIANGULAR	log(m^2)	-1.8867E+01	-1.8301E+01	-2.1000E+01	-1.7301E+01	0.78	31908
(9)	2335	CL_L_T1	Lower Salado clay: 0 to 10 years	PRMY_LOG	Log of intrinsic permeability, Y-direction	TRIANGULAR	log(m^2)	-1.8867E+01	-1.8301E+01	-2.1000E+01	-1.7301E+01	0.78	31909

¹For parameters with a triangular distribution, the value provided for the median is actually the mode.

Parameters Sampled in LHS Code (and parameters to which sampled values were applied) (Continued)

LHS #	Id #	Material	Material Description	Parameter	Parameter Description	Distribution Type	Units	Mean	Median ¹	Low	High	Standard Deviation	WPO #
(9)	2336	CL_L_T1	Lower Salado clay: 0 to 10 years	PRMZ_LOG	Log of intrinsic permeability, Z-direction	TRIANGULAR	log(m ²)	-1.8867E+01	-1.8301E+01	-2.1000E+01	-1.7301E+01	0.78	31910
(9)	3009	CLAY_RUS	Clay seals in Rustler formation	PRMX_LOG	Log of intrinsic permeability, X-direction	TRIANGULAR	log(m ²)	-1.8867E+01	-1.8301E+01	-2.1000E+01	-1.7301E+01	0.78	31886
(9)	3010	CLAY_RUS	Clay seals in Rustler formation	PRMY_LOG	Log of intrinsic permeability, Y-direction	TRIANGULAR	log(m ²)	-1.8867E+01	-1.8301E+01	-2.1000E+01	-1.7301E+01	0.78	31887
(9)	3011	CLAY_RUS	Clay seals in Rustler formation	PRMZLOG	Log of intrinsic permeability, Z-direction	TRIANGULAR	log(m ²)	-1.8867E+01	-1.8301E+01	-2.1000E+01	-1.7301E+01	0.78	31888
(9)	2351	CL_L_T2	Lower Salado clay: 10 to 25 years	PRMX_LOG	Log of intrinsic permeability, X-direction	TRIANGULAR	log(m ²)	-1.8867E+01	-1.8301E+01	-2.1000E+01	-1.7301E+01	0.78	31935
(9)	2352	CL_L_T2	Lower Salado clay: 10 to 25 years	PRMY_LOG	Log of intrinsic permeability, Y-direction	TRIANGULAR	log(m ²)	-1.8867E+01	-1.8301E+01	-2.1000E+01	-1.7301E+01	0.78	31936
(9)	2353	CL_L_T2	Lower Salado clay: 10 to 25 years	PRMZ_LOG	Log of intrinsic permeability, Z-direction	TRIANGULAR	log(m ²)	-1.8867E+01	-1.8301E+01	-2.1000E+01	-1.7301E+01	0.78	31937
(9)	2368	CL_L_T3	Lower Salado clay: 25 to 50 years	PRMX_LOG	Log of intrinsic permeability, X-direction	TRIANGULAR	log(m ²)	-1.8867E+01	-1.8301E+01	-2.1000E+01	-1.7301E+01	0.78	31990
(9)	2369	CL_L_T3	Lower Salado clay: 25 to 50 years	PRMY_LOG	Log of intrinsic permeability, Y-direction	TRIANGULAR	log(m ²)	-1.8867E+01	-1.8301E+01	-2.1000E+01	-1.7301E+01	0.78	31992
(9)	2370	CL_L_T3	Lower Salado clay: 25 to 50 years	PRMZ_LOG	Log of intrinsic permeability, Z-direction	TRIANGULAR	log(m ²)	-1.8867E+01	-1.8301E+01	-2.1000E+01	-1.7301E+01	0.78	31993
(9)	3078	CL_L_T4	Lower Salado clay: 50 to 10K years	PRMX_LOG	Log of intrinsic permeability, X-direction	TRIANGULAR	log(m ²)	-1.8867E+01	-1.8301E+01	-2.1000E+01	-1.7301E+01	0.78	32016
(9)	3079	CL_L_T4	Lower Salado clay: 50 to 10K years	PRMY_LOG	Log of intrinsic permeability, Y-direction	TRIANGULAR	log(m ²)	-1.8867E+01	-1.8301E+01	-2.1000E+01	-1.7301E+01	0.78	32017
(9)	3080	CL_L_T4	Lower Salado clay: 50 to 10K years	PRMZ_LOG	Log of intrinsic permeability, Z-direction	TRIANGULAR	log(m ²)	-1.8867E+01	-1.8301E+01	-2.1000E+01	-1.7301E+01	0.78	32018
(9)	2385	CL_M_T1	Upper Salado clay: 0 to 10 years	PRMX_LOG	Log of intrinsic permeability, X-direction	TRIANGULAR	log(m ²)	-1.8867E+01	-1.8301E+01	-2.1000E+01	-1.7301E+01	0.78	32048
(9)	2386	CL_M_T1	Upper Salado clay: 0 to 10 years	PRMY_LOG	Log of intrinsic permeability, Y-direction	TRIANGULAR	log(m ²)	-1.8867E+01	-1.8301E+01	-2.1000E+01	-1.7301E+01	0.78	32049
(9)	2387	CL_M_T1	Upper Salado clay: 0 to 10 years	PRMZ_LOG	Log of intrinsic permeability, Z-direction	TRIANGULAR	log(m ²)	-1.8867E+01	-1.8301E+01	-2.1000E+01	-1.7301E+01	0.78	32050
(9)	2402	CL_M_T2	Upper Salado clay: 10 to 25 years	PRMX_LOG	Log of intrinsic permeability, X-direction	TRIANGULAR	log(m ²)	-1.8867E+01	-1.8301E+01	-2.1000E+01	-1.7301E+01	0.78	32123
(9)	2403	CL_M_T2	Upper Salado clay: 10 to 25 years	PRMY_LOG	Log of intrinsic permeability, Y-direction	TRIANGULAR	log(m ²)	-1.8867E+01	-1.8301E+01	-2.1000E+01	-1.7301E+01	0.78	32124
(9)	2404	CL_M_T2	Upper Salado clay: 10 to 25 years	PRMZ_LOG	Log of intrinsic permeability, Z-direction	TRIANGULAR	log(m ²)	-1.8867E+01	-1.8301E+01	-2.1000E+01	-1.7301E+01	0.78	32125
(9)	2419	CL_M_T3	Upper Salado clay: 25 to 50 years	PRMX_LOG	Log of intrinsic permeability, X-direction	TRIANGULAR	log(m ²)	-1.8867E+01	-1.8301E+01	-2.1000E+01	-1.7301E+01	0.78	32155

¹For parameters with a triangular distribution, the value provided for the median is actually the mode.

Parameters Sampled in LHS Code (and parameters to which sampled values were applied) (Continued)

LHS #	Id #	Material	Material Description	Parameter	Parameter Description	Distribution Type	Units	Mean	Median	Low	High	Standard Deviation	WPO #
(9)	2420	CL_M_T3	Upper Salado clay: 25 to 50 years	PRMY_LOG	Log of intrinsic permeability, Y-direction	TRIANGULAR	log(m ²)	-1.8867E+01	-1.8301E+01	-2.1000E+01	-1.7301E+01	0.78	32156
(9)	2421	CL_M_T3	Upper Salado clay: 25 to 50 years	PRMZ_LOG	Log of intrinsic permeability, Z-direction	TRIANGULAR	log(m ²)	-1.8867E+01	-1.8301E+01	-2.1000E+01	-1.7301E+01	0.78	32157
(9)	2436	CL_M_T4	Upper Salado clay: 50 to 100 years	PRMX_LOG	Log of intrinsic permeability, X-direction	TRIANGULAR	log(m ²)	-1.8867E+01	-1.8301E+01	-2.1000E+01	-1.7301E+01	0.78	32202
(9)	2437	CL_M_T4	Upper Salado clay: 50 to 100 years	PRMY_LOG	Log of intrinsic permeability, Y-direction	TRIANGULAR	log(m ²)	-1.8867E+01	-1.8301E+01	-2.1000E+01	-1.7301E+01	0.78	32203
(9)	2438	CL_M_T4	Upper Salado clay: 50 to 100 years	PRMZ_LOG	Log of intrinsic permeability, Z-direction	TRIANGULAR	log(m ²)	-1.8867E+01	-1.8301E+01	-2.1000E+01	-1.7301E+01	0.78	32204
(9)	2453	CL_M_T5	Upper Salado clay: 100 to 10K years	PRMX_LOG	Log of intrinsic permeability, X-direction	TRIANGULAR	log(m ²)	-1.8867E+01	-1.8301E+01	-2.1000E+01	-1.7301E+01	0.78	32239
(9)	2454	CL_M_T5	Upper Salado clay: 100 to 10K years	PRMY_LOG	Log of intrinsic permeability, Y-direction	TRIANGULAR	log(m ²)	-1.8867E+01	-1.8301E+01	-2.1000E+01	-1.7301E+01	0.78	32240
(9)	2455	CL_M_T5	Upper Salado clay: 100 to 10K years	PRMZ_LOG	Log of intrinsic permeability, Z-direction	TRIANGULAR	log(m ²)	-1.8867E+01	-1.8301E+01	-2.1000E+01	-1.7301E+01	0.78	32241
(9)	2317	CLAY_BOT	Shaft Bottom Clay	PRMX_LOG	Log of intrinsic permeability, X-direction	TRIANGULAR	log(m ²)	-1.8867E+01	-1.8301E+01	-2.1000E+01	-1.7301E+01	0.78	31866
(9)	2318	CLAY_BOT	Shaft Bottom Clay	PRMY_LOG	Log of intrinsic permeability, Y-direction	TRIANGULAR	log(m ²)	-1.8867E+01	-1.8301E+01	-2.1000E+01	-1.7301E+01	0.78	31867
(9)	2319	CLAY_BOT	Shaft Bottom Clay Upper Salado clay: 0 to 10 years	PRMZ_LOG	Log of intrinsic permeability, Z-direction	TRIANGULAR	log(m ²)	-1.8867E+01	-1.8301E+01	-2.1000E+01	-1.7301E+01	0.78	31868
10	2470	CONC_T1	Concrete column: 0 to 400 years	PRMX_LOG	Log of intrinsic permeability, X-direction	TRIANGULAR	log(m ²)	-1.8816E+01	-1.8750E+01	-2.0699E+01	-1.7000E+01	0.76	32583
(10)	2471	CONC_T1	Concrete column: 0 to 400 years	PRMY_LOG	Log of intrinsic permeability, Y-direction	TRIANGULAR	log(m ²)	-1.8816E+01	-1.8750E+01	-2.0699E+01	-1.7000E+01	0.76	32585
(10)	2472	CONC_T1	Concrete column: 0 to 400 years	PRMZ_LOG	Log of intrinsic permeability, Z-direction	TRIANGULAR	log(m ²)	-1.8816E+01	-1.8750E+01	-2.0699E+01	-1.7000E+01	0.76	32587
11	2283	ASPHALT	Asphalt column	PRMX_LOG	Log of intrinsic permeability, X-direction	TRIANGULAR	log(m ²)	-1.9667E+01	-2.0000E+01	-2.1000E+01	-1.8000E+01	0.62	31390
(11)	2284	ASPHALT	Asphalt column	PRMY_LOG	Log of intrinsic permeability, Y-direction	TRIANGULAR	log(m ²)	-1.9667E+01	-2.0000E+01	-2.1000E+01	-1.8000E+01	0.62	31391
(11)	2285	ASPHALT	Asphalt column	PRMZ_LOG	Log of intrinsic permeability, Z-direction	TRIANGULAR	log(m ²)	-1.9667E+01	-2.0000E+01	-2.1000E+01	-1.8000E+01	0.62	31392
12	3133	SHFT_DRZ	Shaft disturbed Rock Zone	PRMX_LOG	Log of intrinsic permeability, X-direction	TRIANGULAR	log(m ²)	-1.5333E+01	-1.5000E+01	-1.7000E+01	-1.4000E+01	0.62	36563
13	2939	SALT_T1	Shaft salt column compacted: time 0 to 10 years	CUMPROB	Cumulative Probability	UNIFORM	NONE	5.0000E-01	5.0000E-01	0	1.0000E+00	0.29	33361

¹For parameters with a triangular distribution, the value provided for the median is actually the mode.

Parameters Sampled in LHS Code (and parameters to which sampled values were applied) (Continued)

LHS #	Id #	Material	Material Description	Parameter	Parameter Description	Distribution Type	Units	Mean	Median	Low	High	Standard Deviation	WPO #
14	2529	SALT_T1	Shaft salt column compacted: time 0 to 10 years	SAT_RGAS	Residual Gas Saturation	UNIFORM	NONE	2.0000E-01	2.0000E-01	0	4.0000E-01	0.12	33420
(14)	2546	SALT_T2	Shaft salt column compacted: time 10 to 25 years	SAT_RGAS	Residual Gas Saturation	UNIFORM	NONE	2.0000E-01	2.0000E-01	0	4.0000E-01	0.12	33393
(14)	2563	SALT_T3	Shaft salt column compacted: time 25 to 50 years	SAT_RGAS	Residual Gas Saturation	UNIFORM	NONE	2.0000E-01	2.0000E-01	0	4.0000E-01	0.12	33447
(14)	2580	SALT_T4	Shaft salt column compacted: time 50 to 100 years	SAT_RGAS	Residual Gas Saturation	UNIFORM	NONE	2.0000E-01	2.0000E-01	0	4.0000E-01	0.12	33565
(14)	2597	SALT_T5	Shaft salt column compacted: time 100 to 200 years	SAT_RGAS	Residual Gas Saturation	UNIFORM	NONE	2.0000E-01	2.0000E-01	0	4.0000E-01	0.12	33628
(14)	2993	SALT_T6	Shaft salt column compacted: time 200 to 10K years	SAT_RGAS	Residual Gas Saturation	UNIFORM	NONE	2.0000E-01	2.0000E-01	0	4.0000E-01	0.12	33484
(14)	2512	EARTH	Earthen Fill	SAT_RGAS	Residual Gas Saturation	UNIFORM	NONE	2.0000E-01	2.0000E-01	0	4.0000E-01	0.12	32964
(14)	3015	CLAY_RUS	Clay seals in Rustler formation	SAT_RGAS	Residual Gas Saturation	UNIFORM	NONE	2.0000E-01	2.0000E-01	0	4.0000E-01	0.12	31896
(14)	2343	CL_L_T1	Lower Salado clay: 0 to 10 years	SAT_RGAS	Residual Gas Saturation	UNIFORM	NONE	2.0000E-01	2.0000E-01	0	4.0000E-01	0.12	31922
(14)	2360	CL_L_T2	Lower Salado clay: 10 to 25 years	SAT_RGAS	Residual Gas Saturation	UNIFORM	NONE	2.0000E-01	2.0000E-01	0	4.0000E-01	0.12	31971
(14)	2377	CL_L_T3	Lower Salado clay: 25 to 50 years	SAT_RGAS	Residual Gas Saturation	UNIFORM	NONE	2.0000E-01	2.0000E-01	0	4.0000E-01	0.12	32005
(14)	3083	CL_L_T4	Lower Salado clay: 50 to 10K years	SAT_RGAS	Residual Gas Saturation	UNIFORM	NONE	2.0000E-01	2.0000E-01	0	4.0000E-01	0.12	32027
(14)	2394	CL_M_T1	Upper Salado clay: 0 to 10 years	SAT_RGAS	Residual Gas Saturation	UNIFORM	NONE	2.0000E-01	2.0000E-01	0	4.0000E-01	0.12	32062
(14)	2411	CL_M_T2	Upper Salado clay: 10 to 25 years	SAT_RGAS	Residual Gas Saturation	UNIFORM	NONE	2.0000E-01	2.0000E-01	0	4.0000E-01	0.12	32137
(14)	2428	CL_M_T3	Upper Salado clay: 25 to 50 years	SAT_RGAS	Residual Gas Saturation	UNIFORM	NONE	2.0000E-01	2.0000E-01	0	4.0000E-01	0.12	32169
(14)	2445	CL_M_T4	Upper Salado clay: 50 to 100 years	SAT_RGAS	Residual Gas Saturation	UNIFORM	NONE	2.0000E-01	2.0000E-01	0	4.0000E-01	0.12	32226
(14)	2462	CL_M_T5	Upper Salado clay: 100 to 10K years	SAT_RGAS	Residual Gas Saturation	UNIFORM	NONE	2.0000E-01	2.0000E-01	0	4.0000E-01	0.12	32255
(14)	2326	CLAY BOT	Shaft Bottom Clay	SAT_RGAS	Residual Gas Saturation	UNIFORM	NONE	2.0000E-01	2.0000E-01	0	4.0000E-01	0.12	31875

¹For parameters with a triangular distribution, the value provided for the median is actually the mode.

Parameters Sampled in LHS Code (and parameters to which sampled values were applied) (Continued)

LHS #	Id #	Material	Material Description	Parameter	Parameter Description	Distribution Type	Units	Mean	Median	Low	High	Standard Deviation	WPO #
(14)	2479	CONC_T1	Concrete column: 0 to 400 years	SAT_RGAS	Residual Gas Saturation	UNIFORM	NONE	2.0000E-01	2.0000E-01	0	4.0000E-01	0.12	32625
(14)	2495	CONC_T2	Concrete column: 400 to 10K years	SAT_RGAS	Residual Gas Saturation	UNIFORM	NONE	2.0000E-01	2.0000E-01	0	4.0000E-01	0.12	32678
(14)	3064	CONC_MON	Degraded concrete monolith at shaft base	SAT_RGAS	Residual Gas Saturation	UNIFORM	NONE	2.0000E-01	2.0000E-01	0	4.0000E-01	0.12	32546
(14)	2292	ASPHALT	Asphalt column	SAT_RGAS	Residual Gas Saturation	UNIFORM	NONE	2.0000E-01	2.0000E-01	0	4.0000E-01	0.12	31407
15	2528	SALT_T1	Shaft salt column compacted: time 0 to 10 years	SAT_RBRN	Residual Brine Saturation	CUMULATIVE	NONE	2.5000E-01	2.0000E-01	0	6.0000E-01	0.18	33418
(15)	2545	SALT_T2	Shaft salt column compacted: time 10 to 25 years	SAT_RBRN	Residual Brine Saturation	CUMULATIVE	NONE	2.5000E-01	2.0000E-01	0	6.0000E-01	0.18	33391
(15)	2562	SALT_T3	Shaft salt column compacted: time 25 to 50 years	SAT_RBRN	Residual Brine Saturation	CUMULATIVE	NONE	2.5000E-01	2.0000E-01	0	6.0000E-01	0.18	33446
(15)	2579	SALT_T4	Shaft salt column compacted: time 50 to 100 years	SAT_RBRN	Residual Brine Saturation	CUMULATIVE	NONE	2.5000E-01	2.0000E-01	0	6.0000E-01	0.18	33564
(15)	2596	SALT_T5	Shaft salt column compacted: time 100 to 200 years	SAT_RBRN	Residual Brine Saturation	CUMULATIVE	NONE	2.5000E-01	2.0000E-01	0	6.0000E-01	0.18	33626
(15)	2992	SALT_T6	Shaft salt column compacted: time 200 to 10K years	SAT_RBRN	Residual Brine Saturation	CUMULATIVE	NONE	2.5000E-01	2.0000E-01	0	6.0000E-01	0.18	33483
(15)	2511	EARTH	Earthen Fill	SAT_RBRN	Residual Brine Saturation	CUMULATIVE	NONE	2.5000E-01	2.0000E-01	0	6.0000E-01	0.18	32963
(15)	3014	CLAY_RUS	Clay seals in Rustler formation	SAT_RBRN	Residual Brine Saturation	CUMULATIVE	NONE	2.5000E-01	2.0000E-01	0	6.0000E-01	0.18	31895
(15)	2342	CL_L_T1	Lower Salado clay: 0 to 10 years	SAT_RBRN	Residual Brine Saturation	CUMULATIVE	NONE	2.5000E-01	2.0000E-01	0	6.0000E-01	0.18	31921
(15)	2359	CL_L_T2	Lower Salado clay: 10 to 25 years	SAT_RBRN	Residual Brine Saturation	CUMULATIVE	NONE	2.5000E-01	2.0000E-01	0	6.0000E-01	0.18	31969
(15)	2376	CL_L_T3	Lower Salado clay: 25 to 50 years	SAT_RBRN	Residual Brine Saturation	CUMULATIVE	NONE	2.5000E-01	2.0000E-01	0	6.0000E-01	0.18	32004
(15)	3082	CL_L_T4	Lower Salado clay: 50 to 10K years	SAT_RBRN	Residual Brine Saturation	CUMULATIVE	NONE	2.5000E-01	2.0000E-01	0	6.0000E-01	0.18	32025
(15)	2393	CL_M_T1	Upper Salado clay: 0 to 10 years	SAT_RBRN	Residual Brine Saturation	CUMULATIVE	NONE	2.5000E-01	2.0000E-01	0	6.0000E-01	0.18	32061

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Parameters Sampled in LHS Code (and parameters to which sampled values were applied) (Continued)

LHS #	Id #	Material	Material Description	Parameter	Parameter Description	Distribution Type	Units	Mean	Median	Low	High	Standard Deviation	WPO #
(15)	2410	CL_M_T2	Upper Salado clay: 10 to 25 years	SAT_RBRN	Residual Brine Saturation	CUMULATIVE	NONE	2.5000E-01	2.0000E-01	0	6.0000E-01	0.18	32136
(15)	2427	CL_M_T3	Upper Salado clay: 25 to 50 years	SAT_RBRN	Residual Brine Saturation	CUMULATIVE	NONE	2.5000E-01	2.0000E-01	0	6.0000E-01	0.18	32168
(15)	2444	CL_M_T4	Upper Salado clay: 50 to 100 years	SAT_RBRN	Residual Brine Saturation	CUMULATIVE	NONE	2.5000E-01	2.0000E-01	0	6.0000E-01	0.18	32225
(15)	2461	CL_M_T5	Upper Salado clay: 100 to 10K years	SAT_RBRN	Residual Brine Saturation	CUMULATIVE	NONE	2.5000E-01	2.0000E-01	0	6.0000E-01	0.18	32254
(15)	2325	CLAY_BOT	Shaft Bottom Clay	SAT_RBRN	Residual Brine Saturation	CUMULATIVE	NONE	2.5000E-01	2.0000E-01	0	6.0000E-01	0.18	31874A
(15)	2478	CONC_T1	Concrete column: 0 to 400 years	SAT_RBRN	Residual Brine Saturation	CUMULATIVE	NONE	2.5000E-01	2.0000E-01	0	6.0000E-01	0.18	32623
(15)	2494	CONC_T2	Concrete column: 400 to 10K years	SAT_RBRN	Residual Brine Saturation	CUMULATIVE	NONE	2.5000E-01	2.0000E-01	0	6.0000E-01	0.18	32676
(15)	3063	CONC_MON	Degraded concrete monolith at shaft base	SAT_RBRN	Residual Brine Saturation	CUMULATIVE	NONE	2.5000E-01	2.0000E-01	0	6.0000E-01	0.18	32542
(15)	2291	ASPHALT	Asphalt column	SAT_RBRN	Residual Brine Saturation	CUMULATIVE	NONE	2.5000E-01	2.0000E-01	0	6.0000E-01	0.18	31405
16	2516	SALT_T1	Shaft salt column compacted: time 0 to 10 years	PORE_DIS	Brooks-Corey pore distribution parameter	CUMULATIVE	NONE	2.5200E+00	9.4000E-01	1.1000E-01	8.1000E+00	2.48	33380
(16)	2550	SALT_T3	Shaft salt column compacted: time 25 to 50 years	POR_DIS	Brooks-Corey pore distribution parameter	CUMULATIVE	NONE	2.5200E+00	9.4000E-01	1.1000E-01	8.1000E+00	2.48	33415
(16)	2567	SALT_T4	Shaft salt column compacted: time 50 to 100 years	POR_DIS	Brooks-Corey pore distribution parameter	CUMULATIVE	NONE	2.5200E+00	9.4000E-01	1.1000E-01	8.1000E+00	2.48	33465
(16)	2533	SALT_T2	Shaft salt column compacted: time 10 to 25 years	POR_DIS	Brooks-Corey pore distribution parameter	CUMULATIVE	NONE	2.5200E+00	9.4000E-01	1.1000E-01	8.1000E+00	2.48	33355
(16)	2809	SALT_T5	Shaft salt column compacted: time 100 to 200 years	POR_DIS	Brooks-Corey pore distribution parameter	CUMULATIVE	NONE	2.5200E+00	9.4000E-01	1.1000E-01	8.1000E+00	2.48	33588
(16)	2989	SALT_T6	Shaft salt column compacted: time 200 to 10K years	POR_DIS	Brooks-Corey pore distribution parameter	CUMULATIVE	NONE	2.5200E+00	9.4000E-01	1.1000E-01	8.1000E+00	2.48	33655
(16)	2499	EARTH	Earthen Fill	POR_DIS	Brooks-Corey pore distribution parameter	CUMULATIVE	NONE	2.5200E+00	9.4000E-01	1.1000E-01	8.1000E+00	2.48	32923
(16)	3006	CLAY_RUS	Clay seals in Rustler formation	POR_DIS	Brooks-Corey pore distribution parameter	CUMULATIVE	NONE	2.5200E+00	9.4000E-01	1.1000E-01	8.1000E+00	2.48	31883
(16)	2330	CL_L_T1	Lower Salado clay: 0 to 10 years	POR_DIS	Brooks-Corey pore distribution parameter	CUMULATIVE	NONE	2.5200E+00	9.4000E-01	1.1000E-01	8.1000E+00	2.48	31904

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Parameters Sampled in LHS Code (and parameters to which sampled values were applied) (Continued)

LHS #	Id #	Material	Material Description	Parameter	Parameter Description	Distribution Type	Units	Mean	Median	Low	High	Standard Deviation	WPO #
(16)	2347	CL_L_T2	Lower Salado clay: 10 to 25 years	POR_DIS	Brooks-Corey pore distribution parameter	CUMULATIVE	NONE	2.5200E+00	9.4000E-01	1.1000E-01	8.1000E+00	2.48	31931
(16)	2364	CL_L_T3	Lower Salado clay: 25 to 50 years	POR_DIS	Brooks-Corey pore distribution parameter	CUMULATIVE	NONE	2.5200E+00	9.4000E-01	1.1000E-01	8.1000E+00	2.48	31982
(16)	3076	CL_L_T4	Lower Salado clay: 50 to 100 years	POR_DIS	Brooks-Corey pore distribution parameter	CUMULATIVE	NONE	2.5200E+00	9.4000E-01	1.1000E-01	8.1000E+00	2.48	32013
(16)	2381	CL_M_T1	Upper Salado clay: 0 to 10 years	POR_DIS	Brooks-Corey pore distribution parameter	CUMULATIVE	NONE	2.5200E+00	9.4000E-01	1.1000E-01	8.1000E+00	2.48	32044
(16)	2398	CL_M_T2	Upper Salado clay: 10 to 25 years	POR_DIS	Brooks-Corey pore distribution parameter	CUMULATIVE	NONE	2.5200E+00	9.4000E-01	1.1000E-01	8.1000E+00	2.48	32119
(16)	2415	CL_M_T3	Upper Salado clay: 25 to 50 years	POR_DIS	Brooks-Corey pore distribution parameter	CUMULATIVE	NONE	2.5200E+00	9.4000E-01	1.1000E-01	8.1000E+00	2.48	32146
(16)	2432	CL_M_T4	Upper Salado clay: 50 to 100 years	POR_DIS	Brooks-Corey pore distribution parameter	CUMULATIVE	NONE	2.5200E+00	9.4000E-01	1.1000E-01	8.1000E+00	2.48	32198
(16)	2449	CL_M_T5	Upper Salado clay: 100 to 10K years	POR_DIS	Brooks-Corey pore distribution parameter	CUMULATIVE	NONE	2.5200E+00	9.4000E-01	1.1000E-01	8.1000E+00	2.48	32235
(16)	2313	CLAY_BOT	Shaft Bottom Clay	POR_DIS	Brooks-Corey pore distribution parameter	CUMULATIVE	NONE	2.5200E+00	9.4000E-01	1.1000E-01	8.1000E+00	2.48	31862
(16)	2466	CONC_T1	Concrete column: 0 to 400 years	POR_DIS	Brooks-Corey pore distribution parameter	CUMULATIVE	NONE	2.5200E+00	9.4000E-01	1.1000E-01	8.1000E+00	2.48	32570
(16)	2466	CONC_T1	Concrete column: 0 to 400 years	POR_DIS	Brooks-Corey pore distribution parameter	CUMULATIVE	NONE	2.5200E+00	9.4000E-01	1.1000E-01	8.1000E+00	2.48	32570
(16)	2483	CONC_T2	Concrete column: 400 to 10K years	POR_DIS	Brooks-Corey pore distribution parameter	CUMULATIVE	NONE	2.5200E+00	9.4000E-01	1.1000E-01	8.1000E+00	2.48	32658
(16)	3057	CONC_MON	Degraded concrete monolith at shaft base	POR_DIS	Brooks-Corey pore distribution parameter	CUMULATIVE	NONE	2.5200E+00	9.4000E-01	1.1000E-01	8.1000E+00	2.48	32514
(16)	2279	ASPHALT	Asphalt column	POR_DIS	Brooks-Corey pore distribution parameter	CUMULATIVE	NONE	2.5200E+00	9.4000E-01	1.1000E-01	8.1000E+00	2.48	31386
17	544	S_HALITE	Salado halite, intact	POROSITY	Effective porosity	CUMULATIVE	NONE	1.2800E-02	1.0000E-02	1.0000E-03	3.0000E-02	0.01	34387
18	547	S_HALITE	Salado halite, intact	PRMX_LOG	Log of intrinsic permeability, X-direction	UNIFORM	log(m^2)	-2.2500E+01	-2.2500E+01	-2.4000E+01	-2.1000E+01	0.87	34397A
(18)	548	S_HALITE	Salado halite, intact	PRMY_LOG	Log of intrinsic permeability, Y-direction	UNIFORM	log(m^2)	-2.2500E+01	-2.2500E+01	-2.4000E+01	-2.1000E+01	0.87	34399A
(18)	549	S_HALITE	Salado halite, intact	PRMZ_LOG	Log of intrinsic permeability, Z-direction	UNIFORM	log(m^2)	-2.2500E+01	-2.2500E+01	-2.4000E+01	-2.1000E+01	0.87	34401A
19	541	S_HALITE	Salado halite, intact	COMP_RCK	Bulk Compressibility	UNIFORM	Pa^-1	9.7500E-11	9.7500E-11	2.9400E-12	1.9200E-10	0	34210
20	591	S_MB139	Salado MB139, intact and fractured	PRMX_LOG	Log of intrinsic permeability, X-direction	STUDENT'S-T	log(m^2)	-1.8890E+01	-1.8890E+01	-2.1000E+01	-1.7100E+01	1.20	34865

¹For parameters with a triangular distribution, the value provided for the median is actually the mode.

Parameters Sampled in LHS Code (and parameters to which sampled values were applied) (Continued)

LHS #	Id #	Material	Material Description	Parameter	Parameter Description	Distribution Type	Units	Mean	Median	Low	High	Standard Deviation	WPO #
(20)	592	S_MB139	Salado MB139, intact and fractured	PRMY_LOG	Log of intrinsic permeability, Y-direction	STUDENT'S-T	log(m ²)	-1.8890E+01	-1.8890E+01	-2.1000E+01	-1.7100E+01	1.20	34866
(20)	593	S_MB139	Salado MB139, intact and fractured	PRMZ_LOG	Log of intrinsic permeability, Z-direction	STUDENT'S-T	log(m ²)	-1.8890E+01	-1.8890E+01	-2.1000E+01	-1.7100E+01	1.20	34868
(20)	531	S_ANH_AB	Salado anhydrite beds a & b, intact and fractured	PRMX_LOG	Log of intrinsic permeability, X-direction	STUDENT'S-T	log(m ²)	-1.8890E+01	-1.8890E+01	-2.1000E+01	-1.7100E+01	1.20	34196
(20)	532	S_ANH_AB	Salado anhydrite beds a & b, intact and fractured	PRMY_LOG	Log of intrinsic permeability, Y-direction	STUDENT'S-T	log(m ²)	-1.8890E+01	-1.8890E+01	-2.1000E+01	-1.7100E+01	1.20	34197
(20)	533	S_ANH_AB	Salado anhydrite beds a & b, intact and fractured	PRMZ_LOG	Log of intrinsic permeability, Z-direction	STUDENT'S-T	log(m ²)	-1.8890E+01	-1.8890E+01	-2.1000E+01	-1.7100E+01	1.20	34198
(20)	570	S_MB138	Salado MB138, intact and fractured	PRMX_LOG	Log of intrinsic permeability, X-direction	STUDENT'S-T	log(m ²)	-1.8890E+01	-1.8890E+01	-2.1000E+01	-1.7100E+01	1.20	34536
(20)	571	S_MB138	Salado MB138, intact and fractured	PRMY_LOG	Log of intrinsic permeability, Y-direction	STUDENT'S-T	log(m ²)	-1.8890E+01	-1.8890E+01	-2.1000E+01	-1.7100E+01	1.20	34537
(20)	572	S_MB138	Salado MB138, intact and fractured	PRMZ_LOG	Log of intrinsic permeability, Z-direction	STUDENT'S-T	log(m ²)	-1.8890E+01	-1.8890E+01	-2.1000E+01	-1.7100E+01	1.20	34538
21	580	S_MB139	Salado MB139, intact and fractured	COMP_RCK	Bulk Compressibility	STUDENT'S-T	Pa ⁻¹	8.2630E-11	8.2630E-11	1.0900E-11	2.7500E-10	0	34574
(21)	521	S_ANH_AB	Salado anhydrite beds a & b, intact and fractured	COMP_RCK	Bulk Compressibility	STUDENT'S-T	Pa ⁻¹	8.2630E-11	8.2630E-11	1.0900E-11	2.7500E-10	0	34135
(21)	560	S_MB138	Salado MB138, intact and fractured	COMP_RCK	Bulk Compressibility	STUDENT'S-T	Pa ⁻¹	8.2630E-11	8.2630E-11	1.0900E-11	2.7500E-10	0	34439
22	596	S_MB139	Salado MB139, intact and fractured	RELP_MOD	Model number, relative permeability model	DELTA	NONE	n.a.	n.a.	1	4	n.a.	34500
(22)	536	S_ANH_AB	Salado anhydrite beds a & b, intact and fractured	RELP_MOD	Model number, relative permeability model	DELTA	NONE	n.a.	n.a.	1	4	n.a.	34201
(22)	575	S_MB138	Salado MB138, intact and fractured	RELP_MOD	Model number, relative permeability model	DELTA	NONE	n.a.	n.a.	1	4	n.a.	34542
23	598	S_MB139	Salado MB139, intact and fractured	SAT_RBRN	Residual Brine Saturation	STUDENT'S-T	NONE	8.3630E-02	8.3630E-02	7.8460E-03	1.7400E-01	0.05	34506
(23)	538	S_ANH_AB	Salado anhydrite beds a & b, intact and fractured	SAT_RBRN	Residual Brine Saturation	STUDENT'S-T	NONE	8.3630E-02	8.3630E-02	7.8460E-03	1.7400E-01	0.05	34203
(23)	577	S_MB138	Salado MB138, intact and fractured	SAT_RBRN	Residual Brine Saturation	STUDENT'S-T	NONE	8.3630E-02	8.3630E-02	7.8460E-03	1.7400E-01	0.05	34545

¹For parameters with a triangular distribution, the value provided for the median is actually the mode.

Parameters Sampled in LHS Code (and parameters to which sampled values were applied) (Continued)

LHS #	Id #	Material	Material Description	Parameter	Parameter Description	Distribution Type	Units	Mean	Median	Low	High	Standard Deviation	WFO #
24	599	S_MB139	Salado MB139, intact and fractured	SAT_RGAS	Residual Gas Saturation	STUDENT'S-T	NONE	7.7110E-02	7.7110E-02	1.3980E-02	1.9719E-01	0.06	34508
(24)	539	S_ANH_AB	Salado anhydrite beds a & b, intact and fractured	SAT_RGAS	Residual Gas Saturation	STUDENT'S-T	NONE	7.7110E-02	7.7110E-02	1.3980E-02	1.9719E-01	0.06	34204
(24)	578	S_MB138	Salado MB138, intact and fractured	SAT_RGAS	Residual Gas Saturation	STUDENT'S-T	NONE	7.7110E-02	7.7110E-02	1.3980E-02	1.9719E-01	0.06	34546
25	587	S_MB139	Salado MB139, intact and fractured	PORE_DIS	Brooks-Corey pore distribution parameter	STUDENT'S-T	NONE	6.4360E-01	6.4360E-01	4.9053E-01	8.4178E-01	0.11	34859
(25)	527	S_ANH_AB	Salado anhydrite beds a & b, intact and fractured	POR_DIS	Brooks-Corey pore distribution parameter	STUDENT'S-T	NONE	6.4360E-01	6.4360E-01	4.9053E-01	8.4178E-01	0.11	34192
(25)	566	S_MB138	Salado MB138, intact and fractured	POR_DIS	Brooks-Corey pore distribution parameter	STUDENT'S-T	NONE	6.4360E-01	6.4360E-01	4.9053E-01	8.4178E-01	0.11	34527
26	546	S_HALITE	Salado halite, intact	PRESSURE	Brine far-field pore pressure	UNIFORM	Pa	1.2470E+07	1.2470E+07	1.1040E+07	1.3890E+07	823000.00	34394
27	66	CASTILER	Castile Brine Reservoir	PRESSURE	Brine far-field pore pressure	TRIANGULAR	Pa	1.3600E+07	1.2700E+07	1.1100E+07	1.7000E+07	1245700.00	31612A
28	67	CASTILER	Castile Brine Reservoir	PRMX_LOG	Log of intrinsic permeability, X-direction	TRIANGULAR	log(m ²)	-1.2100E+01	-1.1800E+01	-1.4700E+01	-9.8000E+00	1.01	31613
(28)	68	CASTILER	Castile Brine Reservoir	PRMY_LOG	Log of intrinsic permeability, Y-direction	TRIANGULAR	log(m ²)	-1.2100E+01	-1.1800E+01	-1.4700E+01	-9.8000E+00	1.01	31614
(28)	69	CASTILER	Castile Brine Reservoir	PRMZ_LOG	Log of intrinsic permeability, Z-direction	TRIANGULAR	log(m ²)	-1.2100E+01	-1.1800E+01	-1.4700E+01	-9.8000E+00	1.01	31615
29	61	CASTILER	Castile Brine Reservoir	COMP_RCK	Bulk Compressibility	TRIANGULAR	log(Pa ⁻¹)	-9.8000E+00	-1.0000E+01	-1.1300E+01	-8.0000E+00	0.68	31561
30	3184	BH_SAND	Borehole filled with silty sand	PRMX_LOG	Log of intrinsic permeability, X-direction	UNIFORM	log(m ²)	-1.2500E+01	-1.2500E+01	-1.4000E+01	-1.1000E+01	0.87	36641
(30)	3190	BH_SAND	Borehole filled with silty sand	PRMY_LOG	Log of intrinsic permeability, Y-direction	UNIFORM	log(m ²)	-1.2500E+01	-1.2500E+01	-1.4000E+01	-1.1000E+01	0.87	36654
(30)	3191	BH_SAND	Borehole filled with silty sand	PRMZ_LOG	Log of intrinsic permeability, Z-direction	UNIFORM	log(m ²)	-1.2500E+01	-1.2500E+01	-1.4000E+01	-1.1000E+01	0.87	36655
31	3194	CASTILER	Castile Brine Reservoir	GRIDFLO	Index for selecting a Brine Pocket	DELTA	NONE	n.a.	n.a.	1	32	n.a.	36658A
32	3246	BLOWOUT	BRAGFLO Direct Brine Releases	PARTDIA	Logarithm of waste particle diameter in CUTTINGS model	LOGUNIFORM	m	2.3500E-02	2.8000E-03	4.0000E-05	2.0000E-01	0.04	37088

¹For parameters with a triangular distribution, the value provided for the median is actually the mode.

Parameters Sampled in LHS Code (and parameters to which sampled values were applied) (Continued)

LHS #	Id #	Material	Material Description	Parameter	Parameter Description	Distribution Type	Units	Mean	Median	Low	High	Standard Deviation	WPO #
33	2254	BOREHOLE	Borehole and Fill	TAUFail	Effective shear strength for erosion (rfail)	UNIFORM	Pa	5.0300E+00	5.0300E+00	5.0000E-02	1.0000E+01	2.90	31536
34	3419	CULEBRA	Culebra member of the Rustler formation	MINP_FAC	Mining Transmissivity Multiplier	UNIFORM	NONE	5.0050E+02	5.0050E+02	1.0000E+00	1.0000E+03	288.40	37666
35	225	GLOBAL	Information that applies globally	TRANSIDX	Index for selecting realizations of the Transmissivity Field	UNIFORM	NONE	5.0000E-01	5.0000E-01	0.0000E+00	1.0000E+00	0.29	33055
36	3262	SOLAM3	Solubility of Americium in oxidation state III	SOLSIM	Solubility in Salado brine, inorganic chemistry controlled by the Mg(OH)2-MgCO3	CUMULATIVE	NONE	1.8000E-01	-9.0000E-02	-2.0000E+00	1.4000E+00	0.37	37105A
37	3263	SOLAM3	Solubility of Americium in oxidation state III	SOLCIM	Solubility in Castile brine inorganic with chemistry controlled by Mg(OH)2-MgCO3	CUMULATIVE	NONE	1.8000E-01	-9.0000E-02	-2.0000E+00	1.4000E+00	0.37	37106A
38	3265	SOLPU3	Solubility of Plutonium in oxidation state III	SOLSIM	Solubility in Salado brine, inorganic chemistry controlled by the Mg(OH)2-MgCO3	CUMULATIVE	NONE	1.8000E-01	-9.0000E-02	-2.0000E+00	1.4000E+00	0.37	37109A
39	3264	SOLPU3	Solubility of Plutonium in oxidation state III	SOLCIM	Solubility in Castile brine inorganic with chemistry controlled by Mg(OH)2-MgCO3	CUMULATIVE	NONE	1.8000E-01	-9.0000E-02	-2.0000E+00	1.4000E+00	0.37	37108A
40	3266	SOLPU4	Solubility of Plutonium in oxidation state IV	SOLSIM	Solubility in Salado brine, inorganic chemistry controlled by the Mg(OH)2-MgCO3	CUMULATIVE	NONE	1.8000E-01	-9.0000E-02	-2.0000E+00	1.4000E+00	0.37	37110A
41	3389	SOLPU4	Solubility of Plutonium in oxidation state IV	SOLCIM	Solubility in Castile brine inorganic with chemistry controlled by Mg(OH)2-MgCO3	CUMULATIVE	NONE	1.8000E-01	-9.0000E-02	-2.0000E+00	1.4000E+00	0.37	37111A
42	3390	SOLU4	Solubility of Uranium in oxidation state IV	SOLSIM	Solubility in Salado brine, inorganic chemistry controlled by the Mg(OH)2-MgCO3	CUMULATIVE	NONE	1.8000E-01	-9.0000E-02	-2.0000E+00	1.4000E+00	0.37	37112A
43	3391	SOLU6	Solubility of Uranium in oxidation state VI	SOLSIM	Solubility in Salado brine, inorganic chemistry controlled by the Mg(OH)2-MgCO3	CUMULATIVE	NONE	1.8000E-01	-9.0000E-02	-2.0000E+00	1.4000E+00	0.37	37113A

¹For parameters with a triangular distribution, the value provided for the median is actually the mode.

Parameters Sampled in LHS Code (and parameters to which sampled values were applied) (Continued)

LHS #	Id #	Material	Material Description	Parameter	Parameter Description	Distribution Type	Units	Mean	Median ¹	Low	High	Standard Deviation	WPO #
44	3392	SOLU6	Solubility of Uranium in oxidation state VI	SOLCIM	Solubility in Castile brine inorganic with chemistry controlled by Mg(OH) ₂ -MgCO ₃	CUMULATIVE	NONE	1.8000E-01	-9.0000E-02	-2.0000E+00	1.4000E+00	0.37	37114A
45	3393	SOLTH4	Solubility of Thorium in oxidation state IV	SOLSIM	Solubility in Salado brine, inorganic chemistry controlled by the Mg(OH) ₂ -MgCO ₃	CUMULATIVE	NONE	1.8000E-01	-9.0000E-02	-2.0000E+00	1.4000E+00	0.37	37115A
46	3429	PHUMOX3	Proportionality constant with humic colloids for actinide in oxidation state III	PHUMCIM	Proportionality constant of actinides in castile brine w/ humic colloids, inorgan	CUMULATIVE	moles/liter	1.1000E+00	1.3700E+00	6.5000E-02	1.6000E+00	0.47	37683
47	3417	GLOBAL	Information that applies globally	OXSTAT	Index for Oxidation Solubilities	UNIFORM	NONE	5.0000E-01	5.0000E-01	0.0000E+00	1.0000E+00	0.29	37663
48	223	GLOBAL	Information that applies globally	CLIMTIDX	Climate Index	CUMULATIVE	NONE	1.3100E+00	1.1700E+00	1.0000E+00	2.2500E+00	0.35	33031
49	3485	CULEBRA	Culebra member of the Rustler formation	HMBLKL	Culebra Half Matrix-Block Length	UNIFORM	m	2.7500E-01	2.7500E-01	5.0000E-02	5.0000E-01	0.13	38356
50	3487	CULEBRA	Culebra member of the Rustler formation	APOROS	Culebra Advective Porosity	LOGUNIFORM	NONE	2.1000E-03	1.0000E-03	1.0000E-04	1.0000E-02	0	38358
51	3486	CULEBRA	Culebra member of the Rustler formation	DPOROS	Diffusive Porosity for Culebra Dolomite	CUMULATIVE	NONE	1.6000E-01	1.6000E-01	1.0000E-01	2.5000E-01	0.04	38357
52	3475	U+6	Uranium VI	MKD_U	Matrix Distribution Coefficient for Uranium	UNIFORM	m ³ /kg	1.5000E-02	1.5000E-02	3.0000E-05	3.0000E-02	0.01	38346
53	3479	U+4	Uranium IV	MKD_U	Matrix Distribution Coefficient for Uranium	UNIFORM	m ³ /kg	1.0000E+01	1.0000E+01	9.0000E-01	2.0000E+01	5.50	38350
54	3480	PU+3	Plutonium III	MKD_PU	Matrix Distribution Coefficient for Plutonium	UNIFORM	m ³ /kg	2.6000E-01	2.6000E-01	2.0000E-02	5.0000E-01	0.14	38351
55	3481	PU+4	Plutonium IV	MKD_PU	Matrix Distribution Coefficient for Plutonium	UNIFORM	m ³ /kg	1.0000E+01	1.0000E+01	9.0000E-01	2.0000E+01	5.50	38352
56	3478	TH+4	Thorium IV	MKD_TH	Matrix Distribution Coefficient for Thorium	UNIFORM	m ³ /kg	1.0000E+01	1.0000E+01	9.0000E-01	2.0000E+01	5.50	38349
57	3482	AM+3	Americium III	MKD_AM	Matrix Distribution Coefficient for Americium	UNIFORM	m ³ /kg	2.6000E-01	2.6000E-01	2.0000E-02	5.0000E-01	0.14	38353

¹For parameters with a triangular distribution, the value provided for the median is actually the mode.

Appendix I

Suggested PI Parameter Package Format Outline

Suggested PI Parameter Package Format Outline

- I. Parameter No. (id)
- II. Data/Parameter
- III. Parameter id (idpram)
- IV. Material
- V. Material id (idmtrl)
- VI. Units
- VII. Distribution Information
  - A. Category
  - B. Mean
  - C. Median
  - D. Standard deviation
  - E. Maximum
  - F. Minimum
  - G. Number of Data Points
- VIII. Data Collection and Interpretation Information
  - A. Data Source Information
    - 1. Data Source
    - 2. Supporting Explanation/Justification for selection in #1 if other than WIPP Observational Data
    - 3. References for selection in #1 above if other than WIPP Observational Data
  - B. Data Collection (for WIPP Observational Data)
    - 1. Data Collection and Test Method
    - 2. Assumptions Made During Testing
    - 3. Standard Error of Measurement of Tests Performed
    - 4. Form of Raw Data
    - 5. References Related to Data Collection
      - a. Contract numbers
      - b. PI Name(s)
      - c. Title of approved Test Plan under which data was collected
      - d. SAND Report number
      - e. Sandia WIPP Central Files (SWCF) file code for non-SAND references
      - f. SWCF code for; data package(s)
  - 6. QA Status of Data
    - a. Are all of the data qualified (Yes or No)?
      - If Yes, answer questions below to identify method of qualification
      - If No, list those data which are not yet qualified
    - b. Was data qualified by QAP 20-3 (Yes or No)?
      - If Yes, for a above, provide SWCF of qualified data package
    - c. Was the data the subject of audit/surveillance by SNL or DOE (Yes or No; SNL or DOE)?
      - If Yes for c above, provide audit reference number

- d. Was the data collected under an SNL-approved QA Program (Yes or No?) If Yes, provide title and approval dates of the QA Program(s)

C. Interpretation of Data

1. Was the interpretation made by reference to previous work (Yes or No)?
If Yes, provide reference and answer #3 below.
2. Was the interpretation made by using newly performed calculations (Yes or No)? If Yes, answer questions 3-9 below.
3. Form of Interpreted Data (e.g., histogram, table of interpreted values)/
4. Assumptions made during interpretation
5. Name of Code(s)/Software used to interpret data
6. QA Status of Code(s) used to interpret data. For SNL codes:
  - a. Was the code qualified under QAP 19-1 (Yes or No)?
  - b. QAP 9-1 (Yes or No)?
7. References related to data interpretation
  - a. Contract numbers
  - b. SAND Report number
  - c. Sandia WIPP Central Files (SWCF) file code for non-SAND references
  - d. SWCF code for data package
8. For interpretations made using newly performed calculations provide documentation that you followed the requirements of QAP 9-1 Appendix B.
9. For routine calculations (not using code) did you follow requirements of QAP 9-5 (Yes or No)?

IX. Correlation with other Parameters (List only those not statistically independent of the parameter documented here)

X. Limitations or qualifications for usage of data by Performance Assessment (PA)

XI. Attachments

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Appendix J

Example of a Typical PI Parameter Package

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PARAMETER PACKAGE MATERIAL FOR:

WPO# 30603

THE MATERIAL WITHIN THIS COVER SHEET IS WHAT HAS BEEN SUBMITTED TO THE SWCF TO DATE FOR THIS WPO#. WHEN THE PARAMETER PACKAGE IS CLOSED, AN AIMS-DATABASE TABLE OF CONTENTS WILL BE GENERATED AND INCLUDED AT THE FRONT OF THE PACKAGE.

INFORMATION ONLY

TOTAL PAGES: 47
(EXCLUDING THE COVER SHEET)

WFO 41677

Sandia National Laboratories

Operated for the U.S. Department of Energy by
Sandia Corporation

Albuquerque, New Mexico 87185-

date: October 30, 1996

to: Lori J. Dotson, 6822

from: Martin Tierney, 6848 *Martin Tierney*

subject: Justification memo for choice of anhydrite permeabilities (MB138, MB139, Anh A&B)

The assignment of values to the parameters specifying intrinsic, undisturbed permeability of anhydrite units MB 138 and 139 employed two sets of measurements: five (5) measurements of field-scale undisturbed permeability from the work of Paul Domski (WPO # 31217); and 29 measurements of permeability on laboratory sized samples at a net effective stress of 6 MPa taken from the work of Susan Howarth (WPO #s 30603, 30605, 30606). The field-scale measurements sampled rock volumes of at least a few cubic meters; the standard errors of measurement were not mentioned by Domski and were assumed to be negligible. Howarth's laboratory-scale measurements were made on rock samples having volumes no more than a few hundred cubic centimeters; standard errors of measurements were again assumed to be small.

It was our intent to follow the WIPP Project's standard procedure for assigning a parameter when WIPP-specific measurements are available (Tierney 1990, 1994) and use these data to fit a Student-t distribution for the unknown spatial average of the undisturbed anhydrite permeability. However, there was the immediate problem of how to correctly combine the two sets of measurements. Fitting a Student-t distribution requires that we have at least three samples of the random variable *that are drawn from the same distribution*. Although the latter requirement can be considered to be met by each of the individual data sets (i.e. Domski's or Howarth's), it would not be reasonably met by the data set which results from the pooling of field-scale and lab-scale data; this is because of the fact that, for highly inhomogeneous rocks, the variance of rock properties such as porosity and permeability is inversely proportional to sample size, and the great disparity between between the sample sizes of the field- and lab-scale measurements is counterindicative of their being drawn from the same distribution (for a short discussion of scaling of material-property parameters, see Section 1.3.3 in Sandia WIPP Project 1992).

The problem of combining the two disparate sets of measurements was first solved by choosing only the field-scale measurements (which were believed by some of us to more accurately reflect the permeability on the scale of the computational mesh) and ignoring the lab-scale measurements. This solution was naturally and rightfully not acceptable to Susan Howarth. After some discussion, we arrived at a second solution that was acceptable to all: take the average of the 29 laboratory-scale measurements and append that average to the field-scale measurements as a sixth point. The resulting data points on which the Student-t distribution for the logarithms of spatially averaged anhydrite permeability are based are listed on the attachment to the Form 464 for parameters No. 591, 592, 593 (WPO#34865).

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References:

Sandia WIPP Project. 1992. Preliminary Performance Assessment for the Waste Isolation Pilot Plant, December 1992. Volume 3: Model Parameters. SAND92-0700/3. Albuquerque, NM: Sandia National Laboratories.

Tierney, M.S. 1990. Constructing Probability Distributions of Uncertain Variables in the Models of the Performance of the Waste Isolation Pilot Plant (WIPP). SAND90-2510. Albuquerque, NM: Sandia National Laboratories.

Tierney, M.S. 1994. *Using Data and Information to Form Distributions of Model Parameters in Stochastic Simulations of Performance of the Waste Isolation Pilot Plant (WIPP)* in Proceedings of PSAM-II Volume 2. An International Conference Devoted to the Advancement of System-Based Methods for the Design and Operation of Technological Systems and Processes. San Diego, California USA. March 20-25, 1994. pp 051-9 through 051-16.

CC:

MS 1328 Mary-Alena Martell

MS 1328 Amy Johnson

WBS: 1.2.07.1.2:PDD:QA:PARAMETERS DATABASE

salabo PKG#13 X-BIR (w/030603)

INFORMATION ONLY

Sandia National Laboratories

Albuquerque, New Mexico 87185

to: SWCF-A Records Center
SWCF-A:WBS1.2.07.1:PDD:QA:SALADO:PKG13:PRMX_LOG Log of
permeability in x direction/anh

from: Susan Howarth, 6115, M/S 1324

date: April 30, 1996

subject: SALADO PARAMETER PRINCIPAL INVESTIGATOR
DOCUMENTATION PACKAGE FOR: Salado Anhydrite Permeability in X-
Direction

The attached record package contains the permeability of anhydrite from laboratory tests performed on Salado Marker Bed 139 core samples. This record package replaces the existing version in the SWCF dated January 26, 1996. This package contains some information that was not contained in the January 26, 1996 package including a spreadsheet verification technical review. There are no changes to the data contained in January 26, 1996 version and therefore no resulting changes to the PA parameter distribution contained on the 464 form for Salado Anhydrite Permeability.

The parameter information provided in this record package was collected by Principal Investigators for input to the WIPP Data Entry Form and for use by Performance Assessment personnel making parameter estimates. The record package was prepared in accordance with WIPP Quality Assurance Procedure (QAP) 17-1, Rev. 1, WIPP QA Record Source Requirements.

Please call me at (505) 848-0676 if you have any questions.

INFORMATION ONLY

RECORD PACKAGE:
SALADO PARAMETERS REQUIRED FOR BRAGFLO

Salado Anhydrite Permeability in X-Direction

Purpose: The data in this package was collected by Principal Investigators for input to the WIPP Data Entry Form and for use by Performance Assessment personnel making parameter estimates.

Date of Record: April 30, 1996

Author/Organization: Dr. Susan Howarth
Geohydrology Department 6115, M/S 1324
Sandia National Laboratories
Albuquerque, NM 87185-1324
(505) 848-0676

Recipient: NWM Records Center

File Code:
SWCF-A:WBS1.2.07.1:PDD:QA:SALADO:PKG13:PRMX_LOG Log of permeability in x
direction/anh

INFORMATION ONLY

**RECORD PACKAGE:
SALADO PARAMETERS REQUIRED FOR BRAGFLO**

**PRINCIPAL INVESTIGATOR DOCUMENTATION PACKAGE FOR
Salado Anhydrite Permeability - X-Direction**

SWCF-A:WBS1.2.07.1:PDD:QA:SALADO:PKG13:PRMX_LOG Log of permeability in x
direction/anh

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Total Record Package Pages = 21

Record 1:
Parameter Record Package

INFORMATION ONLY

April 29, 1996

Susan Howarth (848-0676)

Salado Data/Parameters

I. Parameter No. (id): 531, 570, 591

II. Data/Parameter:

Log of Permeability

Data from Laboratory Tests on Core Specimens approximately 10 to 825 cc.

III. Parameter id (idpram):

PRMX_LOG

IV. Material:

Anhydrite

V. Material Id (idmtrl):

S_MB138, S_MB139, S_ANH_AB

VI. Units:

m² (data are reported as log (k))

Distribution Information:

As discussed in SAND94-0472, for simplicity, the results for gas permeability tests performed at 1.6 MPa, 2.0 MPa, and 3.4 MPa are grouped together in this discussion and referred to as the 2 MPa data. Similarly, the 5.6 MPa and 6.0 MPa data are combined and referred to as the 6 MPa data, and the 9.6 MPa and 10.0 MPa data are combined and referred to as the 10 MPa data.

A. Category

Constructed

B. Mean

2 MPa net effective stress:	-17.82
6 MPa net effective stress	-18.08
10 MPa net effective stress:	-18.28

C. Median

2 MPa net effective stress:	-17.89
6 MPa net effective stress:	-18.24
10 MPa net effective stress:	-18.51

INFORMATION ONLY

April 29, 1996

Susan Howarth (848-0676)

Salado Data/Parameters

D. Std Deviation

2 MPa net effective stress:	0.67
6 MPa net effective stress:	0.69
10 MPa net effective stress:	0.83

E. Maximum

2 MPa net effective stress:	-15.08
6 MPa net effective stress:	-15.52
10 MPa net effective stress:	-15.82

F. Minimum

2 MPa net effective stress:	-18.84
6 MPa net effective stress:	-19.23
10 MPa net effective stress:	-19.30

G. Number of data points

2 MPa net effective stress:	31
6 MPa net effective stress:	29
10 MPa net effective stress:	22

VIII. Data Collection and Interpretation Information:

A. Data Source Information:

1. Data Source:

WIPP Observational Laboratory-Measured Data

2. Supporting Explanation/Justification for selection in #1 if other than WIPP Observational Data:

NA

3. References for selection in #1 above if other than WIPP Observational Data:

NA

INFORMATION ONLY

April 29, 1996

Susan Howarth (848-0676)

Salado Data/Parameters

B. Data Collection (for WIPP Observational Data):

1. Data Collection and Test Method:

Single-phase, steady-state, Klinkenberg-corrected gas permeability measurements were performed at three different effective stress states on a total of 31 MB139 cylindrical specimens by three different laboratories. 31 of the specimens produced usable permeability data at one or more of the stress states. The specimens were cut from whole core taken from 6 underground boreholes at the WIPP. Two of the cores were taken outside Room L3 and the other 4 from E140 Drift at the intersection of N1100 Drift.

2. Assumptions Made During Testing:

- 1) The specimens were saturated with the permeate fluid.
- 2) The experiments were conducted at steady-state

3. Standard Error of Measurement of Tests Performed:

Approximately 10% error in the permeability measurements

4. Form of Raw Data:

Pressures, temperatures, time, lengths and volumes

5. References Related to Data Collection:

Contract numbers:

Rock Physics Associates (who contracted Core Labs) AF-3945
RE/SPEC AA-2020
TerraTek AD-3656

PI name(s):

Susan Howarth

Title of approved Test Plan under which data was collected:

Test Plan: Two-Phase Flow Laboratory Program for the Waste Isolation Pilot Plant

SAND report number:

SAND94-0472: Porosity, Single-Phase Permeability, Capillary Pressure Data from Preliminary Laboratory Experiments on Selected Samples from Marker Bed 139 at the Waste Isolation Pilot Plant (draft -please see Record 3 for details)

INFORMATION ONLY

April 29, 1996

Susan Howarth (848-0676)

Salado Data/Parameters

Sandia WIPP Central Files (SWCF) file code for non-SAND references:
SWCF-A:WBS1.1.4.1;HYD/TPF

SWCF code for data package(s):
SWCF-A:WBS1.1.4.1;HYD/TPF

6. QA Status of Data:

a. Are all of the data qualified (Yes or No?)
If Yes, answer questions below to identify method of qualification.
If No, list those data which are not yet qualified.

Yes

b. Was data qualified by QAP 20-3 (Yes or No?)
If Yes for "a" above, give SWCF of qualified data package.

No

c. Was the data the subject of audit/surveillance by SNL or DOE?
(Yes or No; and SNL or DOE?)
If Yes for "c" above, give audit reference number.

Yes: Core Laboratories Audit 94-04, RE/SPEC audit 94-05, and TerraTek audit 93-04

d. Was the data collected under an SNL approved QA Program?
(Yes or No?) If Yes, give title and approval dates of the QA
Program(s)

Yes.

Rock Physics Associates:

Test Procedures and Quality Assurance Plan: Porosity, Permeability and Capillary Pressure Measurements in Anhydrite Samples from WIPP. Approved by SNL QA (Susan Pickering) on May 28, 1993.

RE/SPEC:

All work was performed under a Quality Assurance Program that complies with the criteria of the United States Code of Federal Regulations, Title 10, Part 50 (10CFR50), Appendix B. All software meets the requirements stated in SNL Quality Assurance Procedure 19-1 Rev. D, Computer Software Requirements. Quality Assurance requirements were overseen

SWCF-A:WBS 1.2.07.1:PDD:QA:SALADO:PKG13:PRMX_LOG Log of permeability in X direction/anh 4

INFORMATION ONLY

April 29, 1996

Susan Howarth (848-0676)

Salado Data/Parameters

by RE/SPEC quality assurance personnel. Work was performed under a single, comprehensive existing Quality Assurance Plan that was submitted and approved by SNL.

TerraTek:

Quality Assurance Program Plan Contract AD-3656 Task 2: Measurement of Saturation, Porosity, and Permeability and Investigation of CT Core Imaging. Approved by SNL QA (Susan Pickering) on February 16, 1993.

C. Interpretation of Data:

1. Was the interpretation made by reference to previous work (Yes or No?)
If yes, give reference and answer #3 below.

No

2. Was the interpretation made by using newly performed calculations (Yes or No?) If, yes, answer questions 3-9 below.

Yes

3. Form of Interpreted Data: (Example: histogram, table of interpreted values)

Histogram, Tabulated (see attachments)

4. Assumptions Made During Interpretation:

- 1) The specimens were saturated with the permeate fluid.
- 2) The experiments were conducted at steady-state

5. Name of Code(s)/Software used to Interpret Data:

Microsoft Excel v. 4.0 and KaleidaGraph v. 3.0.3b2

6. QA Status of Code(s) used to Interpret Data: For Sandia Codes:

- a. Was the code qualified under QAP 19-1(Yes or No?) NA
- b. QAP 9-1 (Yes or No?) N/A

INFORMATION ONLY

April 29, 1996

Susan Howarth (848-0676)

Salado Data/Parameters

7. References Related to Data Interpretation:

Contract numbers:

Rock Physics Associates (who contracted Core Laboratories) AF-3945
RE/SPEC AA-2020
TerraTek AD-3656

SAND report number:

SAND94-0472: Porosity, Single-Phase Permeability, Capillary Pressure Data from Preliminary Laboratory Experiments on Selected Samples from Marker Bed 139 at the Waste Isolation Pilot Plant (draft -please see Record 3 for details)

Sandia WIPP Central Files (SWCF) file code for non-SAND references:

SWCF-A:WBS1.1.4.1;HYD/TPF

SWCF code for data package(s):

SWCF-A:WBS1.1.4.1;HYD/TPF

8. For interpretations made by using newly performed calculations provide documentation that you followed the requirements of QAP 9-1 Appendix B.

NA

9. For routine calculations (not using code) did you follow requirements of QAP 9-5 (Yes or No?) Yes

IX Correlation with other Parameters (List only those not statistically independent of the parameter documented here): N/A

X. Limitations or qualifications for usage of data by Performance Assessment (PA):

Data was only measured on specimens from MB139 taken from intact rock; permeability is isotropic.

Experimental errors are derived from formal propagation of random and systemic errors. Source of errors include differential pressure transducer accuracy, accuracy of flow rate measurements (volumes and time), caliper accuracy, uncertainty in fluid viscosity, and least

SWCF-A:WBS 1.2.07.1:PDD:QA:SALADO:PKG13:PRMX_LOG Log of permeability in X direction/anh 6

INFORMATION ONLY

April 29, 1996

Susan Howarth (848-0676)

Salado Data/Parameters

squares curve fit of data. RE/SPEC reported (see SAND94-0472 (draft -please see Record 3 for details)) an average error of 5.0% for the gas permeability measurements. TerraTek reported (see SAND94-0472 (draft -please see Record 3 for details)) an average error of 3.8% for the gas permeability measurements. No error calculations were reported by Rock Physics Associates; it is assumed that the error in the permeability measurements at Core Laboratories is approximately the same as that at RE/SPEC and TerraTek. Therefore, the error in the permeability measurements is approximately 6%.

XI. Attachments:

1. Histograms
2. Cumulative frequency plot
3. Tabulated data

Guidance documents are found in SWCF-A:WBS 1.2.07.1:PDD:Salado:CORR:Guidance Documents

INFORMATION ONLY

Attachment 1

INFORMATION ONLY

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Attachment #2

INFORMATION ONLY

Attachment #3

MB139 DATA Permeability.combinc 1/26/96

Lab	Bore Hole	Sample No	Zon	Depth (feet)	Flow Dir.	Bulk Vol (cc)	* Grain Den. (g/cc)	Porosity					Permeability (pressure values are not effective stress)					
								Total (%)	Effective				Gas (Densenberg Corrected)			Log of Permeability		
									0 MPa (%)	3.4 MPa (%)	6 MPa (%)	10 MPa (%)	3.4 MPa (mD)	6 MPa (mD)	10 MPa (mD)	2 MPa	6 MPa	10 MPa
CL	E1X10	1	2	4.50	H	11.88	2.64			0.6			6.5E-19	4.6E-19	2.3E-19	-18.19	-18.33	-18.64
CL	E1X10	2	2	4.50	H	10.70	2.59			0.8	0.7							
CL	E1X10	3	2	5.00	H													
CL	E1X10	4	2	5.00	H	12.69	2.62			0.9	0.9		1.3E-18	8.8E-19	6.5E-19	-17.89	-18.06	-18.19
CL	E1X10	5	3	5.25	H	12.45	2.62			0.7	0.6		5.1E-19	3.8E-19	1.8E-19	-18.29	-18.42	-18.75
CL	E1X10	6	3	5.25	H	12.43	2.62			0.7			5.8E-19	3.0E-19	5.0E-20	-18.24	-18.53	-19.30
CL	E1X10	7	3	5.25	V	12.65	2.95			1.1	1.0		9.5E-19	5.5E-19		-18.02	-18.26	
CL	E1X10	8	3	5.25	V	12.98	2.95			1.1	1.0		8.2E-19	4.9E-19	1.4E-19	-18.08	-18.31	-18.86
CL	E1X10	9	3	5.50	H	12.65	2.85			0.9			4.7E-19			-18.33		
CL	E1X10	10	3	5.50	H	12.65	2.94			1.0			1.1E-18	1.8E-19		-17.97	-18.75	
CL	E1X10	11	3	5.75	H	12.53	2.89			1.7	1.7	1.6	1.8E-18	1.6E-18	1.1E-18	-17.74	-17.81	-17.94
CL	E1X10	12	3	5.75	H	12.93	2.92			1.4	1.3		1.4E-18	1.0E-18	7.3E-19	-17.87	-17.99	-18.13
CL	E1X10	13	3	5.75	V	12.70	2.96			1.6	1.5	1.5	1.6E-18	3.1E-19		-17.79	-18.51	
CL	E1X10	14	3	5.75	V	10.78	2.95			1.2	1.1		6.1E-19	3.1E-19	1.7E-19	-18.21	-18.51	-18.76
CL	E1X10	15	4	6.25	V	12.60	2.96			1.0	0.9		5.9E-19	1.3E-19	6.4E-20	-18.23	-18.89	-19.19
CL	E1X10	16	4	6.25	V	12.37	2.96			0.6								
CL	E1X11	17	2	4.50	H	11.38	2.63			0.8			4.0E-19	3.4E-19	1.0E-19	-18.40	-18.47	-19.00
CL	E1X11	18	2	4.50	H	11.88	2.63			1.8								
CL	E1X11	19	3	4.75	H	12.91	2.72			0.9			4.7E-19	3.2E-19	1.0E-19	-18.32	-18.49	-19.00
CL	E1X11	20	3	4.75	H	12.83	2.79			0.9	0.8		3.9E-19			-18.41		
CL	E1X11	21	3	5.00	H	12.04	2.82			1.1	1.0		7.7E-19	5.7E-19	2.6E-19	-18.12	-18.25	-18.58
CL	E1X11	22	3	5.00	H	12.29	2.69			1.4	1.3		1.5E-18	8.4E-19		-17.83	-18.07	
CL	E1X11	23	3	5.25	H	12.62	2.65			2.1			1.3E-18	5.9E-19		-17.88	-18.23	
CL	E1X11	24	3	5.25	H	12.20	2.67			1.4	1.4		1.5E-18	5.7E-19		-17.82	-18.24	
CL	E1X11	25	3	5.25	V	13.00	2.61			0.9	0.8		2.0E-18	5.6E-19	2.9E-19	-17.70	-18.25	-18.53
CL	E1X11	26	3	5.25	V	12.93	2.74			1.6			2.2E-18	7.5E-19	3.3E-19	-17.66	-18.13	-18.48
CL	E1X11	27	4	5.75	H	12.72	2.75			1.6	1.4	1.3						
CL	E1X11	28	4	5.75	H	13.67	2.91											
CL	E1X11	29	4	5.75	V	12.69	2.96			0.8								
CL	E1X11	30	4	5.75	V	12.72	2.96			1.0			1.5E-18	5.9E-19		-17.84	-18.23	
RS	P3X11	5-2-SP1	2	5.50	H	823.5							3.2E-18	1.7E-18	1.4E-18	-17.49	-17.77	-17.87
RS	P3X11	5-2-SP1	2	5.50	H	12.62	2.73											
RS	P3X11	5-2-SP1	2	5.50	H	13.97	2.73											
RS	P3X10	6-SP2	3	5.70	H	820.5												
RS	P3X10	6-SP2T	3	5.70	H	14.59	2.69											
RS	P3X10	6-SP2B	3	5.70	H	13.19	2.57											
RS	P3X11	5-3-SP3	4	7.05	H	813.0							1.6E-17	8.9E-18	5.1E-18	-16.79	-17.05	-17.29
RS	P3X11	5-3-SP3	4	7.05	H	14.97	2.53											
RS	P3X11	5-3-SP3	4	7.05	H	17.88	2.70											
RS	P3X11	5-3-2-T3	3	5.93	H													
RS	P3X11	5-3-2-T3	3	5.93	V													
RS	P3X11	5-3-2-T3	3	5.93	V													
RS	P3X11	5-3-2-T3	3	5.93	V													
RS	P3X10	5-3-2-T3	2	5.28	H													
RS	P3X10	5-3-2-T3	2	5.28	V													
RS	P3X10	5-3-2-T3	2	5.28	V													
RS	P3X10	5-3-2-T3	2	5.28	V													
RS	P3X10	5-3-2-T3	2	5.28	V													
RS	P3X11	6-TS3-1	4	7.60	H													
RS	P3X11	6-TS3-2	4	7.60	V													
RS	P3X11	6-TS3-3	4	7.60	V													
RS	P3X11	6-TS3-4	4	7.60	V													
TT	E1X08	A	2	3.82	H	822.8	2.65		1.9				8.2E-18	5.7E-18	5.0E-18	-17.03	-17.24	-17.30
TT	E1X08	B	3	4.66	H	776.8	2.60		0.5				1.3E-17	7.4E-18	4.6E-18	-16.90	-17.13	-17.34
TT	E1X08	C	4	5.53	H	819.6	2.72		1.0				4.6E-18	2.6E-18	2.0E-18	-17.34	-17.58	-17.70
TT	E1X08	EP1	2	3.57	H	83.47	2.56	1.4	1.3									
TT	E1X08	EP2	3	4.40	H	84.39	2.66		0.8									
TT	E1X08	EP3	3	5.12	H	83.54	2.58	0.4	0.4									
TT	E1X08	EP4	4	5.93	H	83.35	2.88	1.6	1.6									
TT	E1X08	PX1	2	4.07														
TT	E1X08	PX2	3	4.93														
TT	E1X08	PX3	4	5.78														
TT	E1X07	D	2	4.32	H	803.8	2.71		0.7				1.5E-19	5.9E-20	5.5E-20	-18.84	-19.23	-19.26
TT	E1X07	E	3	4.82	H	843.1	2.71		1.5				8.3E-16	3.0E-16	1.5E-16	-15.08	-15.52	-15.82
TT	E1X07	F	4	5.38	H	815.3	2.88		1.0				1.1E-18	6.9E-19	5.7E-19	-17.95	-18.16	-18.25
TT	E1X07	EP5	2	4.07	H	84.85	2.64		1.9									
TT	E1X07	EP6	2	4.57	H	84.04	2.70		2.7									
TT	E1X07	EP7	3	5.07	H	83.73	2.80		0.6									
TT	E1X07	EP8	4	5.66	H	84.52	2.75		1.6									
TT	E1X07	PX4	2	4.07														
TT	E1X07	PX5	3	5.07														
TT	E1X07	PX6	4	5.80														

* Grain densities from effective grain volume measurements

Minimum	2.53	0.4	0.4	0.6	0.6	1.2	1.5E-19	5.9E-20	5.0E-20	-18.84	-19.23	-19.20
Maximum	2.96	1.6	2.7	2.1	1.7	1.6	8.3E-16	3.0E-16	1.5E-16	-15.08	-15.52	-15.82
Sum	134.8	3.4	17.4	31.4	17.3	4.4	9.0E-16	3.4E-16	1.8E-16	-552.29	-524.43	-402.17
Points	49	3	14	28	16	3	31	29	22	31	22	22
Mean	2.75	1.1	1.2	1.1	1.1	1.5	2.9E-17	1.2E-17	8.0E-18	-17.82	-18.08	-18.26
Median	2.72	1.4	1.2	1.0	1.0	1.5	1.3E-18	5.7E-19	3.1E-19	-17.89	-18.24	-18.51
Std Deviation	0.14	0.63	0.66	0.40	0.32	0.20	1.5E-16	5.6E-17	3.2E-17	0.67	0.69	0.83
Variance	0.02	0.40	0.44	0.16	0.10	0.04	2.2E-32	3.2E-33	1.1E-33	0.45	0.48	0.69

INFORMATION ONLY

Record 2:
Technical Review of Records Package

INFORMATION ONLY

January 4, 1996

MB139 Spread Sheet Verification

1 of 1

Calculation By: Tracy Christian-Frear

Date: 1/4/96

Checked By: Michael Schuch

Date: 3/6/96

Purpose:

To verify grain density, porosity, permeability and anhydrite content of MB139 data into a spread sheet. Verify Statistical evaluation.

The grain density, porosity and permeability data will be used for parameter input to PA.

The grain density, porosity, anhydrite content and permeability data will be used for input to SAND94-0472.

Data Description:

Three laboratories tested specimens of MB139.

The data in the spread sheet is either from each labs respective data report or calculated from raw data found in data notebooks (TerraTek grain density for A,B,C,D,E,F,EP5,EP6, and EP7).

Differences do occur between reported data and the spread sheet. The reasons are:

- 1) Errors in the data reports found when a check of data was performed. Errors indicated on Errata sheets.
- 2) Round-off differences (the data on the spread sheet should be within 1% of the reported value in the data report) because most of the data entered on the spread sheet are from verification calculations using the raw data reported in the laboratory notebooks.

Precision:

The data on the spread sheet should be within 1% of the reported value in the data report (unless the data in the report was wrong)

References:

- 1 Capillary Pressure Measurements in Anhydrite Samples from MB139
Rock Physics
- 2 Laboratory Measurements of Fluid Transport Properties for MB139 Anhydrite from the WIPP
RE/SPEC
- 3 Characterization of MB139 at WIPP
TerraTek

Process:

- 1) Find data in appropriate data report and check that it was entered onto the data sheet correctly within the precision given.
- 2) If data is different, check errata sheets to ensure that the data in the report is correct. If there is still a difference, identify the erroneous entry and continue the check.
- 3) Check that the statistical analysis is correct for the requested values.
A list of the spreadsheet formulas are given in Attachment 1.
- 4) Identify any errors to the person who performed the calculation
- 5) After resolution of any errors, sign, date and indicate items checked.

Results:

(Include a Brief Description of What Was Checked)

This spreadsheet verification was performed on the Salado Anhydrite permeability data as found on the attached "MB139 DATA Dec 95 2/27/95" table to: 1) check/verify that the values were correctly transferred from the source to the spreadsheet, and 2) verify the statistical analysis and calculations of the data (i.e. minimum, maximum, sum, number of points, mean, median, standard deviation and variance).

JMS 4/26/96

Lab	Bore Hole	Sample No.	Core	Depth	Flow Dr.	Bulk Vol	* Grain Den.	Porosity		Permeability (pressure values are net effective stress)																Anisotropy Cont.	Thres Press	Res Brine																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
								Total	Effective	Gas (Klinkenberg Corrected)								Liquids																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
										0.1 MPa	0.3 MPa	0.5 MPa	1.0 MPa	1.5 MPa	2.0 MPa	3.0 MPa	4.0 MPa	5.0 MPa	6.0 MPa	7.0 MPa	8.0 MPa	9.0 MPa	10 MPa	15 MPa	20 MPa																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
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* Grain densities from effective grain volume measurements
 # All liquid permeabilities are sopco calculations

Minimum	2.57	0.4	0.4	0.6	0.6	1.2	3.2E-18	1.5E-19	3.9E-19	1.7E-18	5.9E-20	1.4E-18	5.0E-20	3.3E-17	1.1E-18	4.3E-17	5.1E-19	2.6E-17	5.1E-19	6.4	6.4	0.004	8	
Maximum	2.96	1.8	2.7	2.1	1.7	1.6	7.6E-17	3.3E-18	2.2E-18	6.5E-18	3.0E-18	1.1E-18	7.9E-17	6.7E-16	4.3E-17	5.7E-18	3.6E-17	3.3E-18	9.9	100	0.0159	23.5		
Sum	134.8	3.4	17.4	31.4	17.3	4.4	1.5E-17	6.5E-18	4.4E-17	1.1E-17	3.3E-18	6.7E-18	7.3E-18	1.1E-17	4.3E-17	4.7E-18	6.6E-17	1.6E-18	312.9	329	0.008	74.4		
Pomits	49	3	14	28	16	3	2	6	23	2	27	2	20	2	3	1	3	1	3	45	45	6	6	
Mean	2.75	1	1.29	1.17	1.1	1.5	6.7E-18	4.1E-19	1.1E-18	3.2E-17	1.7E-19	5.6E-19	5.6E-17	5.8E-18	4.3E-17	7.2E-18	4.6E-17	2.5E-18	70	73	0.010	12.4		
Median	2.72	1	1.4	1.29	1.0	1.0	1.5	9.7E-18	4E-19	2.5E-19	5.3E-18	1.7E-19	3.2E-18	2.8E-19	6.5E-17	1.6E-18	4.3E-17	4.4E-18	6E-17	1.8E-18	69	71	0.010	10.4
Deviation	0.14	0.63	0.26	0.40	0.32	0.20	3.1E-18	4.5E-19	1.5E-18	5.5E-19	1.5E-18	8.5E-19	1.7E-18	1.4E-17	1.8E-17	2.8E-18	2.6E-18	2.5E-18	24.0	19.9	0.004	6.6		
Variance	0.029	0.40	0.44	0.16	0.16	0.04	2.3E-39	1E-37	5.0E-39	2.6E-38	4E-37	1.3E-37	2.3E-37	4E-34	9E-34	6.6E-36	6.1E-36	6.1E-36	57.0	37.0	2E-05	36.3		

1	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
2	Lab	Bore	Sample	Zon	Depth	Flow	Butk	* Grain	Total	Porosity	Effective					
3	Hole	No.	No.		(ft)	Dir.	Vol	Den.								
4	No.						(cc)	(g/cc)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	Gas (Klinkenberg) Cor
5	CL	E1X10	1	2	4.5	H	11.883	2.63716497915426			0.6					
6	CL	E1X10	2	2	4.5	H	10.899273012945	2.58687572590012			0.787401574803159	0.68249513400942				6.47385380646369E-19
7	CL	E1X10	3	2	5	H										
8	CL	E1X10	4	2	5	H	12.691181	2.62408356413167			0.939683559553461	0.87599453507990				1.27770352274720E-18
9	CL	E1X10	5	3	5.25	H	12.454669838216	2.61989176779272			0.684039087947885	0.56257643701590				5.13103052521461E-19
10	CL	E1X10	6	3	5.25	H	12.434938611084	2.61747420553033			0.656006560065603					5.80880555005889E-19
11	CL	E1X10	7	3	5.25	V	12.650619	2.95289866839883			1.10013651328997	1.04451229310622				9.48056175056468E-19
12	CL	E1X10	8	3	5.25	V	12.982157103389	2.95475606863288			1.05617274201973	1.01745333628392				8.22285307142442E-19
13	CL	E1X10	9	3	5.5	H	12.647588212750	2.84812868731583			0.850013709898545					4.70978019809918E-19
14	CL	E1X10	10	3	5.5	H	12.647588212750	2.94260843483913			1.01335049059031					1.08229691361023E-18
15	CL	E1X10	11	3	5.75	H	12.528350218118	2.8877377913201			1.74771421636054	1.6840741640353	1.63628999594978			1.00429652432032E-18
16	CL	E1X10	12	3	5.75	H	12.031246708508	2.92334973024437			1.39258332029417	1.31537738803633				1.36422073826231E-18
17	CL	E1X10	13	3	5.75	V	12.702149793316	2.9601514781334			1.61846005929012	1.5316760224539	1.49217809867629			1.6221014874397E-18
18	CL	E1X10	14	3	5.75	V	10.779422295476	2.94585078035782			1.1569936976766	1.07324421012993				6.11165798201054E-19
19	CL	E1X10	15	4	6.25	V	12.602395192129	2.96159408514787			0.957592339261282	0.87782878311991				5.9433823055202E-19
20	CL	E1X10	16	4	6.25	V	12.368729564769	2.96128702262544			0.632495482175122					4.00665971295174E-19
21	CL	E1X11	17	2	4.5	H	11.376753688570	2.62824161073826			0.754884547069279					4.74189039606787E-19
22	CL	E1X11	18	2	4.5	H	11.875634732304	2.62953767874375			1.8089413386166					3.93104225587089E-19
23	CL	E1X11	19	3	4.75	H	12.910177340917	2.71904498817589			0.86002840460786					7.66513032811309E-19
24	CL	E1X11	20	3	4.75	H	12.834516885350	2.79492171978066			0.882237101220951	0.8119186504808	1.03788709813517			1.48165092272544E-18
25	CL	E1X11	21	3	5	H	12.043941072525	2.82228854024557			1.09630629111149	1.30649137222674				1.31266232571500E-18
26	CL	E1X11	22	3	5	H	12.287191461881	2.6904254433438			1.37942359799654					1.51545601262624E-18
27	CL	E1X11	23	3	5.25	H	12.620133003599	2.6495358580465			2.12269839993567	1.44150184378143	1.36710559422965			1.99598722188990E-18
28	CL	E1X11	24	3	5.25	H	12.188088352668	2.67414965986395			0.855103161528203	0.78505259852400				2.18942579257632E-18
29	CL	E1X11	25	3	5.25	V	13.002553265374	2.61331698053489			1.55697098372258					1.51545601262624E-18
30	CL	E1X11	26	3	5.25	V	12.931284678989	2.7418184390127			1.56400384985563	1.35037376416688	1.23923714492636			1.99598722188990E-18
31	CL	E1X11	27	4	5.75	H	12.718357725347	2.75030554876558			0.829641562625849					1.45799940454669E-18
32	CL	E1X11	28	4	5.75	H	13.671592315820	2.90563093622795			1.02413464591934					
33	CL	E1X11	29	4	5.75	V	12.687086586982	2.95890188434048								
34	CL	E1X11	30	4	5.75	V	12.718901720389	2.96075238629983								
35	RS	P3X11	5-2-SP1	2	5.5	H	823.45579510969									
36	RS	P3X11	5-2-SP1T	2	5.5	H	12.624713622402	2.73						3.20768215954848E-		
37	RS	P3X11	5-2-SP1B	2	5.5	H	13.071426949121	2.73								
38	RS	P3X10	6-SP2	3	5.7	H	820.46500144738									
39	RS	P3X10	6-SP2T	3	5.7	H	14.582509360730	2.69								
40	RS	P3X10	6-SP2B	3	5.7	H	13.193714790750	2.57								
41	RS	P3X11	5-3-SP3	4	7.05	H	812.9841041818									
42	RS	P3X11	5-3-SP3T	4	7.05	H	14.971843478982	2.53						1.61220757808832E-		
43	RS	P3X11	5-3-SP3B	4	7.05	H	17.876120321674	2.7								
44	RS	P3X11	6-2-T81-1	3	5.93	H										
45	RS	P3X11	6-2-T81-2	3	5.93	V										
46	RS	P3X11	6-2-T81-3	3	5.93	V										
47	RS	P3X11	6-2-T81-4	3	5.93	V										
48	RS	P3X10	6-2-T82-1	2	5.28	H										
49	RS	P3X10	6-2-T82-2	2	5.28	V										
50	RS	P3X10	6-2-T82-3	2	5.28	V										
51	RS	P3X10	6-2-T82-4	2	5.28	V										
52	RS	P3X11	6-TS3-1	4	7.6	H										
53	RS	P3X11	6-TS3-2	4	7.6	V										
54	RS	P3X11	6-TS3-3	4	7.6	V										
55	RS	P3X11	6-TS3-4	4	7.6	V										

INFORMATION ONLY

	Q	R	S	T	U	V	W	X	Y	Z
1				Permeability (press						
2								Liquid#		
3	5.6 MPa	8 MPa	9.8 MPa	10 MPa	1.6 MPa	2 MPa	5.6 MPa	8 MPa	9.8 MPa	10 MPa
4	(m ²)	(m ²)	(m ²)	(m ²)	(m ²)	(m ²)	(m ²)	(m ²)	(m ²)	(m ²)
5										
6		4.62395390788022E-19		2.27789581414751E-19						
7										
8		8.79540191011958E-19		6.48317793245278E-19						
9		3.81242284080068E-19		1.79499420048551E-19						
10		2.97413215222674E-19		5.01757932267536E-20						
11		5.48543952459884E-19								
12		4.88426287422475E-19		1.37078436889964E-19						
13										
14		1.75805411754108E-19								
15		1.5585924919283E-18		1.1378904634583E-18						
16		1.01619286086083E-18		7.33893121890264E-19						
17		3.07698484548503E-18								
18		3.10954848925246E-18		1.72248476449978E-18						
19		1.2817647075899E-19		8.41592019407527E-20						
20										
21		3.37088971036395E-19		1.01026542609585E-18						
22										
23		3.23349988652144E-19		1.0050946208595E-19						
24										
25		5.65715357936939E-18		2.64455079358382E-18						
26		6.42681229637121E-19								
27		5.85104807462215E-19								
28		5.69200218162994E-19								
29		5.63168270029487E-19		2.92791684616211E-19						
30		7.47202816517079E-19		3.3295961997044E-19						
31										
32										
33										
34		5.80343285074209E-19								
35	1.71394596650196E-18		1.35265747223114E-18		0.000000000000000005					
36										
37										
38										
39										
40										
41	0.000000000000000000		5.13388856805770E-18		0.000000000000000007		0.000000000000000043		0.000000000000000026	
42										
43										
44										
45										
46										
47										
48										
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54										
55										

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INFORMATION ONLY

I	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	Lab	Bore	Sample	Zone	Depth	Flow	Bulk	Grain	Total	Porosity	Effective	Flow	Flow	Flow	Flow	Flow
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
3	No.	No.	No.	No.	(feet)	(cc)	(cc)	(g/cc)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
56	TT	E1X08	A	2	3.815	H	822.84	2.65047617868156								
57	TT	E1X08	B	3	4.855	H	776.83	2.596								
58	TT	E1X08	C	4	5.525	H	810.82	2.72333784727046								
59	TT	E1X08	E1	2	3.585	H	83.47	2.584								
60	TT	E1X08	E2	3	4.4	H	84.39	2.663								
61	TT	E1X08	E3	3	5.12	H	83.54	2.584								
62	TT	E1X08	E4	4	5.925	H	83.35	2.882								
63	TT	E1X08	EX1	2	4.07											
64	TT	E1X08	EX2	3	4.03											
65	TT	E1X08	EX3	4	5.78											
66	TT	E1X07	D	2	4.32	H	803.84	2.708								
67	TT	E1X07	E	3	4.82	H	843.08	2.712								
68	TT	E1X07	F	4	5.375	H	815.25	2.8836808782108								
69	TT	E1X07	EP5	2	4.07	H	84.85	2.639								
70	TT	E1X07	EP6	2	4.57	H	84.04	2.701								
71	TT	E1X07	EP7	3	5.07	H	83.73	2.80415515792002								
72	TT	E1X07	EP8	4	5.66	H	84.52	2.75								
73	TT	E1X07	EX4	2	4.07											
74	TT	E1X07	EX5	3	5.07											
75	TT	E1X07	EX6	4	5.8											
76	...	Grain														
77	...	All liq														
78	...															
79	...															
80	...															
81	...															
82	...															
83	...															
84	...															
85	...															

INFORMATION ONLY

	Q	R	S	T	U	V	W	X	Y	Z
1				Permeability (press						
2								Liquid#		
3	5.6 MPa	6 MPa	9.6 MPa	10 MPa	1.6 MPa	2 MPa	5.6 MPa	6 MPa	9.6 MPa	10 MPa
4	(m^2)	(m^2)	(m^2)	(m^2)	(m^2)	(m^2)	(m^2)	(m^2)	(m^2)	(m^2)
56		5.69806754782425E-18		4.9810412667646E-18		6.65818996017441E-18		5.67836587352184E-18		5.29482056629303E-18
57		7.42805804092439E-18		4.60688182178115E-18						
58		2.60134937225375E-18		1.9898848681018E-18		3.60845597583663E-18		2.39730624438221E-18		1.8100198223893E-18
59										
60										
61										
62										
63										
64										
65										
66		5.85721736879696E-20		5.4923187048327E-20						
67		3.04068087276878E-18		1.53014803412588E-18						
68		6.88004290659129E-18		5.67442905877925E-18		1.05185708161894E-18		6.14815399320739E-19		5.13849689707285E-18
69										
70										
71										
72										
73										
74										
75										
76										
77										
78	=MIN(Q5:Q75)	=MIN(R5:R75)	=MIN(S5:S75)	=MIN(T5:T75)	=MIN(U5:U75)	=MIN(V5:V75)	=MIN(W5:W75)	=MIN(X5:X75)	=MIN(Y5:Y75)	=MIN(Z5:Z75)
79	=MAX(Q5:Q75)	=MAX(R5:R75)	=MAX(S5:S75)	=MAX(T5:T75)	=MAX(U5:U75)	=MAX(V5:V75)	=MAX(W5:W75)	=MAX(X5:X75)	=MAX(Y5:Y75)	=MAX(Z5:Z75)
80	=SUM(Q5:Q75)	=SUM(R5:R75)	=SUM(S5:S75)	=SUM(T5:T75)	=SUM(U5:U75)	=SUM(V5:V75)	=SUM(W5:W75)	=SUM(X5:X75)	=SUM(Y5:Y75)	=SUM(Z5:Z75)
81	=COUNTA(Q5:Q75)	=COUNTA(R5:R75)	=COUNTA(S5:S75)	=COUNTA(T5:T75)	=COUNTA(U5:U75)	=COUNTA(V5:V75)	=COUNTA(W5:W75)	=COUNTA(X5:X75)	=COUNTA(Y5:Y75)	=COUNTA(Z5:Z75)
82	=AVERAGE(Q5:Q75)	=AVERAGE(R5:R75)	=AVERAGE(S5:S75)	=AVERAGE(T5:T75)	=AVERAGE(U5:U75)	=AVERAGE(V5:V75)	=AVERAGE(W5:W75)	=AVERAGE(X5:X75)	=AVERAGE(Y5:Y75)	=AVERAGE(Z5:Z75)
83	=MEDIAN(Q5:Q75)	=MEDIAN(R5:R75)	=MEDIAN(S5:S75)	=MEDIAN(T5:T75)	=MEDIAN(U5:U75)	=MEDIAN(V5:V75)	=MEDIAN(W5:W75)	=MEDIAN(X5:X75)	=MEDIAN(Y5:Y75)	=MEDIAN(Z5:Z75)
84	=STDEV(Q5:Q75)	=STDEV(R5:R75)	=STDEV(S5:S75)	=STDEV(T5:T75)	=STDEV(U5:U75)	=STDEV(V5:V75)	=IF(W81=1,"",STDEV(W5:W75))	=STDEV(X5:X75)	=IF(W81=1,"",STDEV(Y5:Y75))	=STDEV(Z5:Z75)
85	=VAR(Q5:Q75)	=VAR(R5:R75)	=VAR(S5:S75)	=VAR(T5:T75)	=VAR(U5:U75)	=VAR(V5:V75)	=IF(W81=1,"",VAR(W5:W75))	=VAR(X5:X75)	=IF(W81=1,"",VAR(Y5:Y75))	=VAR(Z5:Z75)

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INFORMATION ONLY

Record 3:
Roadmap to Supporting Documentation

INFORMATION ONLY

**RECORD PACKAGE:
SALADO PARAMETERS REQUIRED FOR BRAGFLO
PRINCIPAL INVESTIGATOR DOCUMENTATION PACKAGE FOR
Salado Anhydrite Permeability in X-Direction**

Roadmap for Supporting Documentation for Salado Anhydrite Permeability in X-Direction

Anhydrite Permeability data is found in SAND94-0472:

Howarth, S. and T. Christian-Frear: "Porosity, Single-Phase Permeability, and Capillary Pressure Results from Preliminary Laboratory Experiments on Selected Samples from Marker Bed 139 at the Waste Isolation Pilot Plant (WIPP)". Albuquerque, NM: Sandia National Laboratories. SAND94-0472. *This data report has been peer, SNL management and WIPP-DOE reviewed and approved. However, due to budget constraints, it has not been printed. Copies of the Camera-ready draft are available from the authors.*

The raw data for this parameter was collected under SNL Contracts AA-2020 (RE/SPEC), AF-3945 (Core Laboratories for Rock Physics Associates), and AD-3656 (TerraTek) and is found in the SWCF under Salado Hydrology Laboratory Tests for Porosity and Permeability (and for AF-3945, Capillary Pressure) tests under the following WPO's:
WPO 37071 RE/SPEC
WPO 37073 Core Laboratories (for Rock Physics Associates)
WPO 37072 TerraTek

SAND94-0472 contains a summary of the results of laboratory tests performed under these contracts and includes the final report from each contractor as an appendix. This work was performed as part of the Salado Two-Phase Flow Laboratory Program which was WBS 1.1.4.1 through FY95.

INFORMATION ONLY

Record 4:
Memorandum to PA Parameter Task Leader
(Attachments not included -- same as Records 1 and 2)

INFORMATION ONLY

WPO #37614

Sandia National Laboratories

Albuquerque, New Mexico 87185

to: Martin Tierney, PA Parameter Task Leader

from: Susan Howarth, 6115, M/S 1324
date: April 29, 1996
subject: SALADO PARAMETER PRINCIPAL INVESTIGATOR
DOCUMENTATION PACKAGE FOR: Salado Anhydrite Permeability in X-
Direction

The attached record package contains the permeability of anhydrite from laboratory tests performed on Salado Marker Bed 139 core samples. This record package replaces the existing version in the SWCF dated January 26, 1996. This package contains some information that was not contained in the January 26, 1996 package including a spreadsheet verification technical review. There are no changes to the data contained in January 26, 1996 version and therefore no resulting changes to the PA parameter distribution contained on the 464 form for Salado Anhydrite Effective Porosity.

The parameter information provided in this record package was collected by Principal Investigators for input to the WIPP Data Entry Form and for use by Performance Assessment personnel making parameter estimates. The record package was prepared in accordance with WIPP Quality Assurance Procedure (QAP) 17-1, Rev. 1, WIPP QA Record Source Requirements.

SWCF-A:WBS1.2.07.1:PDD:QA:SALADO:PKG13:PRMX_LOG Log of permeability in x direction/anh

The WPO Number for this Parameter Package is 30603

The WPO Numbers for the 464 Form Packages are:

Salado Anhydrite Marker Bed 138	34536
Salado Anhydrite Marker Bed 139	34865
Salado Anhydrites a & b	34196

The data contained in this report is Qualified as it was taken by subcontractor (to SNL) laboratories under SNL-Approved QA plans. In addition, an SNL QA audit was performed at all of the subcontractor laboratories.

Please call me at (505) 848-0676 if you have any questions.

Attachments:

1. Salado Data/Parameters: Permeability of Anhydrite
2. Technical Review of Record Package

INFORMATION ONLY

WP039065

Sandia National Laboratories

Operated for the U.S. Department of Energy by
Sandia Corporation
Albuquerque, New Mexico 87185-1324

date: June 26, 1996

to: Susan Howarth, 6115, M/S 1324

from: Tracy Christian-Frear, 6115, M/S 1324

subject: Parameter Resolution for Salado Anhydrite Permeability

On January 23, 1996, a dispute resolution meeting was held to address differences in opinion between PI's (Susan Howarth, Rick Beauheim, Tracy Christian-Frear, and Paul Domski) and the Parameter Task Leader (Martin Tierney) regarding the proposed distributions for Salado anhydrite porosity and permeability. A February 5, 1996 memorandum from Kathy Gaither to Distribution (see Attachment) described the differences in opinion, resolution process, and proposed resolution. The difference in opinion for the anhydrite permeability distribution was that the PTL, citing scaling issues, decided to use only the field permeability test results from Beauheim and Domski to determine the Salado anhydrite permeability distribution, thereby ignoring the laboratory permeability data from Howarth and Christian-Frear.

To resolve the dispute, it was agreed that the laboratory data would be grouped according to the identification number of the borehole from which the core sample was taken. A mean permeability value would be calculated from the samples in each borehole group. The PTL would then use each of these mean values as a single permeability data point equivalent to a single field borehole permeability test value to determine the anhydrite permeability distribution using both the field and laboratory measurements.

In use, however, this process proved to be unworkable because in some cases only one or two laboratory samples were taken from a single borehole and, in other cases, a large number of laboratory samples were taken from a single borehole. With concurrence from the PTL (Martin Tierney) and Susan Howarth, it was agreed that a single the mean value using all the laboratory data would be calculated. This single mean value would be used to represent all of the laboratory data. The anhydrite permeability distribution for Salado Marker Beds 138 and 139 and anhydrites "a" and "b" was then determined by the PTL from the single laboratory mean value and the 5 field test permeability points.

INFORMATION ONLY

Attachment:

Memorandum Kathy Gaither to Distribution

RE: Salado and Non-Salado Parameters Resolution of Parameter Value(s) on Form #464 between Principal Investigator (PI)/Scientific Investigator (SI) and Parameters Task Leader (PTL) for Selected idprams/idmtrls) to distribution. February 5, 1996.

Exceptional Service in the National Interest

541CF-A:WBS1.2.07.1: PDD:QA: (PRP-WP030603)

wf032320

Sandia National Laboratories

P.O. Box 5800 Dept. 6115
Albuquerque, NM 87185-1324

Date: February 5, 1996

To: Distribution

From: Kathy Gaither (for Al Lappin, 6115)

Subject: Salado and Non-Salado Parameters Resolution of Parameter Value(s) on Form #464 between Principal Investigator (PI)/Scientific Investigator (SI) and Parameters Task Leader (PTL) for Selected idprams/idmtrls

This memo is sent to serve two purposes. It describes the process of informal resolution of disputed parameter value(s) chosen by the PTL on Form #464 when the value chosen is not acceptable to the PI/SI(s). It also documents the resolution of disputed values for parameters with the following ids: 541, 547, 548, 549, 567, 570, 571, 572, 588, 591, 592, 593, 528, 531, 532, and 533 at a meeting held January 23, 1996. This informal process for resolution of disputed values is intended to determine whether agreement can be reached with Management arbitration before resorting to the more formal requirements of QAP 2-10. If concurrence cannot be reached through informal arbitration, the procedures in QAP 2-10 will be followed.

**INFORMAL PROCEDURE FOR
DISPUTE RESOLUTION FOR VALUES ON
FORM #464**

The information on the WIPP Data Entry Form (#464) for a given idpram/idmtrl combination is used as input into the controlled database for compliance-level modeling by performance assessment (PA) personnel. PI/SI sign-off in the "Concurrence" field on the Form signifies agreement between the PI/SI and the Performance Assessment Analyst (PAA) signifies that the parameter value(s) on this form are appropriate given currently available information. PI/SI signature does it imply affirmation of the qualification status of the parameter.

Therefore, the goal of the informal dispute resolution process is to arrive at a value, or range of values, upon which the PTL and the PI/SI agree. The PTL chooses the value(s) on Form #464, and signs the form, and a copy is made and given to the PI/SI. The PI/SI is asked to either signify concurrence by signing the original of Form #464 or inform the PTL that there is a disagreement regarding the value(s) chosen. If the interchange between the PTL and PI/SI doesn't result in concurrence an informal dispute resolution session is set up.

Participants in an informal dispute resolution should include the PI/SI(s), PTL, PAA, PA Management (Hong-Nian Jow, 6741), the WIPP Deputy Project Manager (Margaret Chu, 6801), and the appropriate PI Team Leader or Manager. Others may also attend the meeting. The PTL and PI/SI(s) should present their data, justification or rationale, and any supporting documentation regarding the disputed value(s). If the PTL and PI/SIs still disagree after the presentations and discussions, the Deputy Project Manager may suggest their solution to the problem or invoke use of the process in QAP 2-10. The PI/SI or PTL may also request use of the process in QAP 2-10, if they do not agree with the solution proposed by the Deputy Project Manager. The PTL for all Form #464 entries referred to herein is Martin Tierney, 6741.

The informal dispute resolution process was employed at a meeting held January 23, 1996 to resolve Form #464 values for idpram/idmtrls listed below.

Exceptional Service in the National Interest

SWCF-A:WBS 1.2.07:PDD:QA:SALADO:CORR:Planning

INFORMATION ONLY

Attachment

Tracy Input
1/23/96

Difference:

Porosity of Anhydrite Beds. Martin chose a constant value.

Resolution:

Martin will document why he choose a constant value.

Difference:

Permeability of Anhydrite Beds. Martin chose to ignore the laboratory data.

Resolution:

Tracy will group together data from the different sets of boreholes, determine the mean of those data points, and provide Martin with those mean values to be grouped together with the other 5 field data points. A distribution will then be determined based upon the field and the lab data.

Difference:

Permeability of Halite. Martin chose a constant value.

Resolution:

Martin will determine a distribution to be sampled upon

Difference:

Rock Compressibility of Halite. Martin did not include that he will recommend that the rock compressibility and permeability are inversely related.

Resolution:

Martin will include this on the 464.

INFORMATION ONLY

WPO 38027

Sandia National Laboratories

Albuquerque, New Mexico 87185

to: SWCF-A WPO Numbers: 30599, 30600, 30603, 30605, 30606, 30642,
and 30643

from: Susan Howarth, 6115

date: June 3, 1996

subject: Draft of SAND94-0472 now filed in WPO# 38019

SWCF-A WPO files 30599, 30600, 30603, 30605, 30606, 30642, and 30643 contain Parameter Records Packages which reference SAND94-0472 as a data source document. SAND94-0472 is a compilation of the results of porosity, permeability and capillary pressure laboratory measurements made at three subcontractor laboratories. The report was peer reviewed/approved in September 1995, SNL WIPP management reviewed/approved in October 1995, and submitted to DOE/CAO for review in October 1995. DOE/CAO approval was received on November 3, 1995.

SAND94-0472 was reviewed and approved by SNL peers (Rick Beauheim, Kurt Larson), SNL management (Peter Davies), SNL WIPP management (Les Shephard), and DOE/CAO (Dick Lark). As appropriate, changes were made to reflect review comments by all reviewers, and the manuscript was sent to Tech Reps, Inc. to be made camera-ready in preparation for publication. However, due to budget constraints, this process was interrupted on April 24, 1996 and the report has not been printed. At the time publication was stopped, the text of the report was camera-ready, but the appendices were not camera-ready. It is expected that the report will be published in FY97. Because this report is referenced in a number of Parameter Records Packages which support BRAGFLO CCA calculations, it was submitted to the SWCF in DRAFT form and filed as WPO#38019.

WPO #38019 contains three, three-ring binders. One binder contains copies of review and approval forms, Document Review and Comment forms, the April 24, 1996 Memorandum from Les Shephard requesting that publication of this report be postponed, and the review comments from Beauheim, Larson, and Davies. The second binder contains the draft text of SAND94-0472 and is a copy of the camera-ready text. The third binder contains the draft appendices of SAND94-0472 which are not camera-ready at this time. Please note that some of the figures contained in the appendices are black-and-white photocopies of color photographs and may not be of high quality. Currently, the originals of all the figures and photographs can be viewed in my office (BDM Building Room 2226). Once SAND94-0472 is printed, the originals will be forwarded to the SWCF as appropriate.

If you have any questions, please contact me at (505) 848-0676.

Copy to: (without attachments)

M/S 1324 P.B. Davies, 6115

M/S 1324 A.R. Lappin, 6115

M/S 1324 T.L. Christian-Frear, 6115

INFORMATION ONLY

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Appendix K

Example of Roadmap Found in Shaft Seals PI Parameter Package

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ROAD MAP FOR COMPACTED CRUSHED SALT (Shaft Salt Column Compacted, SALT_T1, SALT_T2, SALT_T3, SALT_T4, SALT_T5, SALT_T6)			
Parameter Name	Section(s) in this Parameter Package	Literature Sources (list of references attached)	Data Packages in SWCF
Permeability (PMLT_HI, PMLT_MD, PMLT_LO)	Section III 2.1.1	Brodsky (1994), pp. 68,69,71	Holcomb and Hannum (1982), see attached Table 1, WPO#26463
	Section I 4.3	Hansen and Ahrens, pp. 25	Holcomb and Shields (1987), see attached Table 2, WPO#26469
		Sjaardema and Krieg (1987), pp. 25,59	Zeuch et al. (1991), see attached Table 3, WPO#26465
		Callahan et al. (1995), pp. 86,87	RE/SPEC (1996a), WPO#41392
		Chan (1992)	
		Pfeifle and Senseny (1985), see attached Table 4	
		Brodsky (1994), see attached Table 5	
		RE/SPEC (1995)	
Porosity (POROSITY)	Section III 2.1.2	Sjaardema and Krieg (1987), pp. 25,59	Holcomb and Hannum (1982), see attached Table 1, WPO#26463
	Section I 4.3	Callahan et al. (1995), pp. 86,87	Holcomb and Shields (1987), see attached Table 2, WPO#26469
		Chan (1992)	Zeuch et al. (1991), see attached Table 3, WPO#26465
		Pfeifle and Senseny (1985), see attached Table 4	
		Brodsky (1994), see attached Table 5	
		RE/SPEC (1995)	
Pore Volume Compressibility (COMP_ROCK)	Section II 2.5.1	Sjaardema and Krieg (1987), pp.60	Holcomb and Hannum (1982), pp. 67, WPO#26463
	Section III 2.1.3	RE/SPEC (1994)	RE/SPEC (1996b), WPO#41392

	Section I 4.3		
Initial Pressure (Initial pore fluid pressure, pore pressure, PRESSURE)	Section II 2.5.3		
	Section I 4.3		
Initial Wetting Phase Saturation (Initial Brine Saturation, SAT_IBRN)	Section II 2.5.2	Hansen (1995)	No data packages
	Section I 4.3		
Threshold Pressure (PCT_A, PCT_EXP)	Section II 2.5.4	Davies (1991), pp. 25	No data packages
	Section I 4.3	Pihlajavaara (1991), pp. 47	
Residual Wetting Phase Saturation (Residual Brine Saturation, Residual Liquid Saturation, SAT_RBRN)	Section II 2.5.5	Table 6 attached	No data packages
	Section I 4.3		
Residual Non-Wetting Phase Saturation (Residual Gas Saturation, SAT_RGAS)	Section II 2.5.6	Mayer et al. (1992), pp. 173	No data packages
	Section I 4.3		
Pore Size Distribution (Lambda, POR_DIS)	Section II 2.5.7	Table 7 attached	No data packages
	Section I 4.3		

Table 1. Cross-Reference Between Crushed Salt Data and Holcomb and Hannum, 1982

Test I.D.	Test Type	Page Numbers in Reference	
		Plots	Tables
08JUN82(M)	Hydrostatic Compaction	25	48, 51
08JUN82		30	48, 50
23FEB82(M)		26	48, 52-55
25FEB82(M)		27	48, 56-58
16MAR82(M)		28	48, 59-62
25MAR82(M)		29	48, 63-66
24MAY82(M)		31	48, 67
27JUL82(M)	Hydrostatic Consolidation	34,35	49, 68-70
04MAY82(M)		36	49, 71-73
30APR82(M)		37	49, 74-77
07MAY82(M)		38	49, 78-80
12MAY82(M)		39	49, 81-83
05FEB82(M)		40	49, 84-87
09APR82(M)		41	49, 88-91
26MAR82(M)		42	49, 92-95
02APR82(M)		43	49, 96-99
13APR82(M)		44	49, 100-102
29JAN82(M)		45	49, 103-105
26FEB82(M)		46	49, 105-109

Table 2. Cross Reference Between Crushed Salt Data and Holcomb and Shields, 1987

Test I.D.	Test Type	Page Numbers in Reference	
		Plots	Tables
27JU61	Hydrostatic Consolidation	37-40	29
23JL51		45-48	29
14NV51		49-52	29
25FE61		53-56	29
10MY51		57-60	29
20AU51		61-64	29
16JL51		69-72	29
18JU51		73-76	29
30OC51		77-80	29
16JA61		81-84	29
19DC44		85-88	29
13AU51		89-92	29
24OC61-1		93-96	29
24OC61-2		97-100	29
24OC61-3		100-104	29
24OC61-4		105-108	29
24OC61-5		109-112	29

Table 3. Cross-Reference Between Crushed Salt Data and Zeuch et al., 1991

Test I.D.	Test Type	Page Numbers in Reference	
		Plots	Tables
24JL71	Hydrostatic Consolidation	38, 46	28, 29
09JU88		39, 47	28, 29
09JU88-2		39, 47	28, 29
08MR89		40, 48	28, 29
20SE89		41, 49	28, 29
18AP89		42, 50	28, 29
12OC89	Shear Consolidation	51, 52, 57-59	30, 31
12OC89		51, 52, 57-59	30, 31
12OC89		51, 52, 57-59	30, 31

Table 4. Cross-Reference Between Crushed Salt Data and Pfeifle and Senseny, 1985

Test I.D	Test Type	Page Numbers in Reference	
		Plots	Tables
CS1	Hydrostatic Consolidation	24, 25	23
CS2		24, 25	23
CS3		24, 25	23
CS4		24, 25	23
CS5		26, 27	23
CS6		26, 27	23
CS7		26, 27	23
CS8		26, 27	23
CS9		31, 32	23
CS10		31, 32	23

Table 5. Cross-Reference Between Crushed Salt Data and Brodsky, 1994

Test I.D.	Test Type	Page Numbers in Reference	
		Plots	Tables
HC1A	Hydrostatic Consolidation	47, 51, 68	17, 46, 48
HC2A		47, 51, 68	17, 46, 48
HC3A		47, 51, 68	17, 46, 48
HC4A		47, 51, 68	17, 46, 48
HC5A		47, 51, 68	17, 46, 48
HC6A		47, 51, 68	17, 46, 48
SC1B	Shear Consolidation	52, 57, 60, 63, 69	18, 50, 55
SC2A		52, 57, 60, 63, 69	18, 50, 55
SC3A		52, 57, 60, 63, 69	18, 50, 55
SC4A		54, 59, 62, 65, 69	18, 50, 55
SC5A		54, 59, 62, 65, 69	18, 50, 55
SC6A		54, 59, 62, 65, 69	18, 50, 55
SC7A		53, 58, 61, 64, 69	18, 50, 55
SC8A		53, 58, 61, 64, 69	18, 50, 55
SC9B		53, 58, 61, 64, 69	18, 50, 55

Table 6. Literature Values of Residual Liquid Saturations for Geologic Material and Concrete

Material	Residual Liquid Saturation	Reference
Consolidated Rock		
Berea Sandstone ^(b)	0.299	Brooks and Corey (1964), pg 27
Hygiene Sandstone ^(c)	0.577	Brooks and Corey (1964), pg 27
Hygiene Sandstone	0.572	Lappala et al. (1987), pg 20 ^(a)
Sand		
Sand	0.110	Lappala et al. (1987), pg 20 ^(a)
Sand (texture class)	0.046	Rawls et al. (1982), pg 1318 ^(a)
Fine Sand G.E. 13	0.186	Lappala et al. (1987), pg 20 ^(a)
Fine Sand G.E. 13	0.167	Brooks and Corey (1964), pg 25
Volcanic Sand	0.157	Brooks and Corey (1964), pg 25
Del Monte Sand	0.081	Lappala et al. (1987), pg 20 ^(a)
Fresno Medium Sand	0.085	Lappala et al. (1987), pg 20 ^(a)
Sandy Porous Media	0.000	Parker et al. (1987), pg 621
Unconsolidated Sand	0.146	Lappala et al. (1987), pg 20 ^(a)
Fragment Fox Hill SS	0.300	Brooks and Corey (1964), pg 25
Loamy Sand		
Loamy Sand (texture class)	0.080	Rawls et al. (1982), pg 1318 ^(a)
Sandy Loam		
Columbia Sandy Loam	0.282	Lappala et al. (1987), pg 20 ^(a)
Sandy Loam (texture class)	0.091	Rawls et al. (1982), pg 1318 ^(a)
Loam		
Adelanto Loam	0.374	Lappala et al. (1987), pg 21 ^(a)
Loam (texture class)	0.058	Rawls et al. (1982), pg 1318 ^(a)
Silt		
Limon Silt	0.009	Lappala et al. (1987), pg 21 ^(a)
Silt Loam		
Touchet Silt Loam	0.337	Lappala et al (1987), pg 20 ^(a)
Touchet Silt Loam (GE 3)	0.270	Brooks and Corey (1964), pg 25
Silt Loam (texture class)	0.030	Rawls et al. (1982), pg 1318 ^(a)
Sandy Clay Loam		
Sandy Clay Loam (texture class)	0.171	Rawls et al. (1982), pg 1318 ^(a)
Clay Loam		
Clay Loam (texture class)	0.162	Rawls et al. (1982), pg 1318 ^(a)

Table 6. Literature Values of Residual Liquid Saturations for Geologic Material and Concrete (Continued)

Material	Residual Liquid Saturation	Reference
Silty Clay Loam Silty Clay Loam (texture class)	0.085	Rawls et al. (1982), pg 1318 ⁽⁴⁾
Sandy Clay Sandy Clay (texture class)	0.253	Rawls et al. (1982), pg 1318 ⁽⁴⁾
Silty Clay Silty Clay (texture class)	0.117	Rawls et al. (1982), pg 1318 ⁽⁴⁾
Clay Yolo Light Clay	0.299	Lappala et al. (1987), pg 21 ⁽⁴⁾
Clayey Porous Media	0.360	Parker et al. (1987), pg 621
Clay (texture class)	0.189	Rawls et al. (1982), pg 1318 ⁽⁴⁾
Fragmented Mixture Fragmented Mixture	0.276	Brooks and Corey (1964), pg 25
Concrete Normal Concrete	0.300 ⁽³⁾	Mayer et al. (1992), pg 173

(1) Core perpendicular to bedding planes

(2) Core contained no visible bedding planes

(3) Estimated

(4) The indicated reference reports residual water content and porosity from which the residual liquid saturation was calculated.

Table 7. Literature Values of Lambda for Geologic Material

Material	Lambda ⁽⁹⁾	Reference
Consolidated Rock		
Berea Sandstone ⁽¹⁾	3.69	Brooks and Corey (1964), pg 27
Berea Sandstone	2.13	Mualem (1976), page 515
average	2.91	calculated [(3.69+2.13)/2]
Hygiene Sandstone ⁽²⁾	4.17	Brooks and Corey (1964), pg 27
Hygiene Sandstone	3.78	Mualem (1976), pg 515
Hygiene Sandstone	9.4 (10.4)	van Genuchten (1980), pg 897
Hygiene Sandstone	2.9	Lappala et al. (1987), pg 20
average	6.75	calculated [(4.17+3.78+9.4+2.9)/4]
Tottori Sand	2.157	Haverkamp and Parlange (1986), pg 331
Preston Sand	1.653	Haverkamp and Parlange (1986), pg 331
Gormley Sand	1.861	Haverkamp and Parlange (1986), pg 331
Botton Sand	1.723	Haverkamp and Parlange (1986), pg 331
Netherlands Coarse-Textured		
topsoils ⁽³⁾	0.59 ⁽⁶⁾	Wosten and van Genuchten (1988), pg 1763
subsoils ⁽³⁾	1.01 ⁽⁶⁾	Wosten and van Genuchten (1988), pg 1763
Netherlands Medium-Textured		
topsoils ⁽⁴⁾	0.22 ⁽⁶⁾	Wosten and van Genuchten (1988), pg 1763
subsoils ⁽⁴⁾	0.27 ⁽⁶⁾	Wosten and van Genuchten (1988), pg 1763
Netherlands Fine-Textured		
topsoils ⁽⁴⁾	0.11 ⁽⁶⁾	Wosten and van Genuchten (1988), pg 1763
subsoils ⁽⁴⁾	0.12 ⁽⁶⁾	Wosten and van Genuchten (1988), pg 1763
Lacustrine Sediments		
thinly laminated clay to silty clay	0.65 (1.65)	Stephens et al. (1988), pg 62
massive clay to silty clay	0.66 (1.66)	Stephens et al. (1988), pg 62
thin bedded silt	0.80 (1.80)	Stephens et al. (1988), pg 62
thin bedded clay	0.90 (1.90)	Stephens et al. (1988), pg 62
thin bedded silts, clay and clayey silt	0.85 (1.85)	Stephens et al. (1988), pg 62
Sand		
Sand	1.83	Mualem (1976), pg 515
Sand	2.87	Mualem (1976), pg 515
Sand	0.84	Lappala et al. (1987), pg 20
average	1.85	calculated [(1.83+2.87+0.84)/3]
Sand (texture class)	0.694	Rawls et al. (1982), pg 1318
Beit Dagan Sand	0.37	Mualem (1976), pg 515

Table 7. Literature Values of Lambda for Geologic Material (Continued)

Material	Lambda ⁽⁹⁾	Reference
Sand (continued)		
Fine Sand GE 13	1.98	Mualem (1976), pg 515
Fine Sand GE 13	3.7	Lappala et al. (1987), pg 20
Fine Sand GE 13	3.7	Brooks and Corey (1964), pg 25
average	3.13	calculated [(1.98+3.7+3.7)/3]
Volcanic Sand	1.65	Mualem (1976), pg 515
Volcanic Sand	2.29	Brooks and Corey (1964), pg 25
average	1.97	calculated [(1.65+2.29)/2]
Volcanic Sand	1.3	Mualem (1976), pg 515
Plainfield Sand	1.45	Mualem (1976), pg 515
Del Monte Sand	2.5	Lappala et al. (1987), pg 20
Fresno Medium Sand	0.84	Lappala et al. (1987), pg 20
Molonglo River Sand	0.96	Mualem (1976), pg 515
Botany Sand Fraction	8.35	Mualem (1976), pg 515
River Sand (screened)	1.57	Mualem (1976), pg 515
Gilat Fine Sand	0.27	Mualem (1976), pg 515
Rehovot Sand	0.83	Mualem (1976), pg 515
Pouder River Sand	2.92	Mualem (1976), pg 515
Sable de riviere	0.92	Mualem (1976), pg 515
Grenoble Sand 1	1.523	Haverkamp and Parlange (1986), pg 331
Grenoble Sand 2	2.309	Haverkamp and Parlange (1986), pg 331
Grenoble Sand 3	1.479	Haverkamp and Parlange (1986), pg 331
Grenoble Sand 4	2.984	Haverkamp and Parlange (1986), pg 331
Grenoble Sand 5	1.454	Haverkamp and Parlange (1986), pg 331
Grenoble Sand 6	1.587	Haverkamp and Parlange (1986), pg 331
Sand Fraction (150-300 µm)	4.94	Mualem (1976), pg 515
Sand Fraction (150-300 µm)	11.67	Mualem (1976), pg 515
Sand Fraction (0.5-0.25 mm)	5.9	Mualem (1976), pg 515
Sand Fraction (1.0-0.5 mm)	2.8	Mualem (1976), pg 515
GE No. 2 Sand	4.05 (5.05)	van Genuchten and Nielsen (1985), pg 619
Sandy Porous Media	0.84 (1.84)	Parker et al. (1987), pg 621
Unconsolidated Sand	4.4	Lappala et al. (1987), pg 20
Fragmented Fox Hill Sandstone	1.92	Brooks and Corey (1964), pg 25
Fragmented Fox Hill Sandstone	2.61	Mualem (1976), pg 515
average	2.27	calculated [(1.92+2.61)/2]
Loamy Sand		
Loamy Sand (texture class)	0.553	Rawls et al. (1982), pg 1318

Table 7. Literature Values of Lambda for Geologic Material (Continued)

Material	Lambda ^(a)	Reference
Sandy Loam		
Columbia Sandy Loam	1.6	Lappala et al. (1987), pg 20
Rubicon Sandy Loam	2.08	Mualem (1976), pg 515
Gilat Sandy Loam	0.44	Mualem (1976), pg 515
Norfolk Sandy Loam 20°C	1.403 (2.403)	Hopmans and Overmars (1986), pg 139
Norfolk Sandy Loam 44.5°C	1.339 (2.339)	Hopmans and Overmars (1986), pg 139
average	1.371	calculated [(1.403+1.339)/2]
Sandy Loam (texture class)	0.378	Rawls et al. (1982), pg 1318
Loam		
Guelph Loam	0.41	Mualem (1976), pg 515
Guelph Loam	1.03 (2.03)	van Genuchten (1980), pg 897
average	0.72	calculated [(0.41+1.03)/2]
Sarpy Loam	0.6 (1.60)	van Genuchten and Nielsen (1985), pg 619
Adelanto Loam	0.5	Mualem (1976), pg 515
Adelanto Loam	0.51	Lappala et al. (1987), pg 21
average	0.51	calculated [(0.5+0.51)/2]
Pachappa Loam	0.42	Mualem (1976), pg 515
Indio Loam	0.81	Mualem (1976), pg 515
Loam (texture class)	0.252	Rawls et al. (1982), pg 1318
Silt		
Silt Mont Ceniz	0.36	Mualem (1976), pg 515
Limon Silt	0.22	Lappala et al. (1987), pg 21
Silt Loam		
Touchet Silt Loam	1.71	Mualem (1976), pg 515
Touchet Silt Loam	2.59 (3.59)	van Genuchten and Nielsen (1985), pg 619
Touchet Silt Loam	1.7	Lappala et al. (1987), pg 20
average	2.00	calculated [(1.71+2.59+1.70)/3]
Touchet Silt Loam (GE 3)	1.89	Mualem (1976), pg 515
Touchet Silt Loam (GE 3)	1.82	Brooks and Corey (1964), pg 25
Touchet Silt Loam (GE 3)	6.09 (7.09)	van Genuchten (1980), pg 897
average	3.27	calculated [(1.89+1.82+6.09)/3]
Caribou Silt Loam	0.91	Mualem (1976), pg 515
Grenville Silt Loam	0.34	Mualem (1976), pg 515
Ida Silt Loam (>15 cm)	0.38	Mualem (1976), pg 515
Ida Silt Loam (0-15 cm)	0.27	Mualem (1976), pg 515
Silt Loam GE 3	1.06 (2.06)	van Genuchten (1980), pg 897
Silt Loam (texture class)	0.234	Rawls et al. (1982), pg 1318
Sandy Clay Loam		
Sandy Clay Loam (texture class)	0.319	Rawls et al. (1982), pg 1318

Table 7. Literature Values of Lambda for Geologic Material (Continued)

Material	Lambda ⁽⁵⁾	Reference
Clay Loam		
Rideau Clay Loam	1.62	Mualem (1976), pg 515
Clay Loam (texture class)	0.242	Rawls et al. (1982), pg 1318
Silty Clay Loam		
Weld Silty Clay Loam	1.52	Mualem (1976), pg 515
Weld Silty Clay Loam	4.45 (5.45)	van Genuchten and Nielsen (1985), pg 619
average	2.99	calculated $[(1.52+4.45)/2]$
Amarillo Silty Clay Loam	2.35	Mualem (1976), pg 515
Silty Clay Loam (texture class)	0.177	Rawls et al. (1982), pg 1318
Sandy Clay		
Pachappa Fine Sandy Clay	0.44	Mualem (1976), pg 515
Sandy Clay (texture class)	0.223	Rawls et al. (1982), pg 1318
Silty Clay		
Shluhot Silty Clay	0.2	Mualem (1976), pg 515
Silty Clay (texture class)	0.15	Rawls et al. (1982), pg 1318
Clay		
Beit Netofa Clay	0.19	Mualem (1976), pg 515
Beit Netofa Clay	0.17 (1.17)	van Genuchten (1980), pg 897
average	0.18	calculated $[(0.19+0.17)/2]$
Yolo Light Clay	0.25	Lappala et al. (1987), pg 21
Clayey Porous Media	0.86 (1.86)	Parker et al. (1987), pg 621
Clay (texture class)	0.165	Rawls et al. (1982), pg 1318
Slate		
Slate Dust	5.69	Mualem (1976), pg 515
Fragmented Mixture		
Fragmented Mixture	2.65	Mualem (1976), pg 515
Fragmented Mixture	2.89	Brooks and Corey (1964), pg 25
average	2.77	calculated $[(2.65+2.89)/2]$

(1) core perpendicular to bedding planes

(2) core contained no visible bedding planes

(3) average of four values reported in reference

(4) average of three values reported in reference

(5) the number in parentheses is the n value reported in the reference

(6) this value is the average of the original reference values

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Appendix L

Request Memo Memorandum

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date: September 16, 1996

to: Memorandum of Record

from: Susan Y. Pickering

magawerchu fusp

subject: Request, Intended Use and Rational for Major Modifications for Parameter Values Used in Support of the CCA Calculation.

Note: This memorandum supersedes requests memos identified on the Form 464.

The purpose of this memorandum is to provide additional information to support Forms 464 linking parameter values to request memoranda, discussing the intended use of the parameter and providing rationale for why parameter values have been modified. This memo is also intended to demonstrate that the parameters were developed under the auspices of SNL QAP 9-2.

Table 1 provides reference from the parameter types (Category 1 and 4a parameters) to the WPO numbers of the request documentation used in the development of the parameters.

TABLE 1:

Parameter Types	WPO Number
Salado/Non-Salado Flow	35311
	31035
	35597
Shaft Seals	30640
	35597
Gas Generation	30819
Disposal Room	35697
Dissolved Actinide Retardation	35269
	38231
Colloid Actinide Concentration / Retardation	36768
	35135
	36204
	36052
Dissolved Species	35835
	36053
	37151
Cuttings	36301
Non-Salado Culebra Transmissivity Zone	35270
Non-Salado Physical Transport	35270
Category 2 Parameters	40659
Category 3 Parameters	40658

It should also be noted that all parameters have been and were intended for use in the Performance Assessment Compliance Certification Application (CCA) as required by CFR 191. These parameters were used for the following analysis tasks as listed in Table 2 (see Analysis Plans for additional discussion). The specific use of the parameter is included in the analysis record package.

TABLE 2:

ID	CCA Analysis Plan Title	WPO
AP AAC	Salado Calculations (Task 1) of the Performance Assessment Analyses Supporting the Compliance Certification Application	36338
AP 023	Salado Transport Calculations (Task 2) of the Performance Assessment Analyses Supporting the Compliance Certification Application	34798
AP 019	Culebra Flow and Transport Calculations (Task 3) of the Performance Assessment Analyses Supporting the Compliance Certification Application	37267
AP 029	BRAGFLO Direct Release Calculations (Task 4) of the Performance Assessment Analyses Supporting the Compliance Certification Application	39387
AP 016	Cuttings Calculations (Task 5) of the Performance Assessment Analyses Supporting the Compliance Certification Application	37262
AP 015	Spallings Calculations (Task 6) of the Performance Assessment Analyses Supporting the Compliance Certification Application	37261

It was sometimes necessary to modify parameter values that were documented in the WIPP PA parameter database. Listed below is rationale used for modifying parameter values. Detailed discussions of these parameters are included in Appendix PAR of the CCA and included in the analysis record package.

- New experimental or empirical data
- Changes in the conceptual models
- Model configuration parameters
- New codes were used
- Changes in the parameter categories

September 16, 1996

The following signatures indicate concurrence.

Parameter
Task Leader:
Martin Tierney9/17/96
Date6848 Department
Manager:
Hong-Nian Jow9/17/96
Date6115 Department
Manager:
Peter Davies9/17/96
Date6832 Department
Manager:
John Holmes9/17/96
Date6121 Department
Manager:
Joe Tillerson9/17/96
DateDistribution:

SNL WIPP Department Managers

M. Fewell, MS-1328 (6849)

M. A. Martell, MS-1328 (6849)

SWCF-A:1.4.1:AUD:QA:DOE/CAO, S-96-10, CAO Surveillance of Parameters,
CAO CAR 030

SWCF-A:1.2.07.1:QA:PDD:General

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Appendix M1

Table from EPA Parameter Database: CCA Parameter Listing

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Date Entry	Is the 454 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y	0.02	2	AM241	Americium 241	ATWEIGHT	Atomic Weight in kg/mole	31357	02-Nov-95	Y	3
Y	0.02	2	AM241	Americium 241	ATWEIGHT	Atomic Weight in kg/mole	31357	02-Nov-95	Y	3
Y	0.02	2	AM241	Americium 241	ATWEIGHT	Atomic Weight in kg/mole	31357	02-Nov-95	Y	3
Y	100	3	AM241	Americium 241	HALFLIFE	Half-life	31358	16-Apr-96	Y	3
Y	100	3	AM241	Americium 241	HALFLIFE	Half-life	31358	16-Apr-96	Y	3
Y	100	3	AM241	Americium 241	HALFLIFE	Half-life	31358	16-Apr-96	Y	3
Y		4	AM241	Americium 241	INVCHD	Inventory of Contact Handled Design	31359A	29-Oct-96	Y	2
Y		4	AM241	Americium 241	INVCHD	Inventory of Contact Handled Design	31359A	29-Oct-96	Y	2
Y		4	AM241	Americium 241	INVCHD	Inventory of Contact Handled Design	31359A	29-Oct-96	Y	2
Y		4	AM241	Americium 241	INVCHD	Inventory of Contact Handled Design	31359A	29-Oct-96	Y	2
Y		5	AM241	Americium 241	INVRHD	Inventory of Remote Handled Design	31360A	29-Oct-96	Y	2
Y		5	AM241	Americium 241	INVRHD	Inventory of Remote Handled Design	31360A	29-Oct-96	Y	2
Y		5	AM241	Americium 241	INVRHD	Inventory of Remote Handled Design	31360A	29-Oct-96	Y	2
Y		5	AM241	Americium 241	INVRHD	Inventory of Remote Handled Design	31360A	29-Oct-96	Y	2
Y	100	6	AM243	Americium 243	HALFLIFE	Half-life	31374	16-Apr-96	Y	3
Y	100	6	AM243	Americium 243	HALFLIFE	Half-life	31374	16-Apr-96	Y	3
Y	100	6	AM243	Americium 243	HALFLIFE	Half-life	31374	16-Apr-96	Y	3
Y		7	OPS_AREA	Operations Region	CAP_MOD	Model number, capillary pressure model	32604	16-Feb-96	Y	4B
Y		7	OPS_AREA	Operations Region	CAP_MOD	Model number, capillary pressure model	32604	16-Feb-96	Y	4B
Y		7	OPS_AREA	Operations Region	CAP_MOD	Model number, capillary pressure model	32604	16-Feb-96	Y	4B
Y		7	OPS_AREA	Operations Region	CAP_MOD	Model number, capillary pressure model	32604	16-Feb-96	Y	4B
Y		8	OPS_AREA	Operations Region	COMP_RCK	Bulk Compressibility	32606	16-Feb-96	Y	4B
Y		8	OPS_AREA	Operations Region	COMP_RCK	Bulk Compressibility	32606	16-Feb-96	Y	4B
Y		8	OPS_AREA	Operations Region	COMP_RCK	Bulk Compressibility	32606	16-Feb-96	Y	4B
Y		8	OPS_AREA	Operations Region	COMP_RCK	Bulk Compressibility	32606	16-Feb-96	Y	4B
Y		9	OPS_AREA	Operations Region	PC_MAX	Maximum allowable capillary pressure	32619	16-Feb-96	Y	4B
Y		9	OPS_AREA	Operations Region	PC_MAX	Maximum allowable capillary pressure	32619	16-Feb-96	Y	4B
Y		9	OPS_AREA	Operations Region	PC_MAX	Maximum allowable capillary pressure	32619	16-Feb-96	Y	4B
Y		9	OPS_AREA	Operations Region	PC_MAX	Maximum allowable capillary pressure	32619	16-Feb-96	-Y	4B
Y		10	OPS_AREA	Operations Region	PORE_DIS	Brooks-Corey pore distribution parameter	32624	16-Feb-96	Y	4B
Y		10	OPS_AREA	Operations Region	PORE_DIS	Brooks-Corey pore distribution parameter	32624	16-Feb-96	Y	4B
Y		10	OPS_AREA	Operations Region	PORE_DIS	Brooks-Corey pore distribution parameter	32624	16-Feb-96	Y	4B
Y		10	OPS_AREA	Operations Region	PORE_DIS	Brooks-Corey pore distribution parameter	32624	16-Feb-96	Y	4B
Y		11	OPS_AREA	Operations Region	POROSITY	Effective porosity	32626	16-Feb-96	Y	4B
Y		11	OPS_AREA	Operations Region	POROSITY	Effective porosity	32626	16-Feb-96	Y	4B
Y		11	OPS_AREA	Operations Region	POROSITY	Effective porosity	32626	16-Feb-96	Y	4B
Y		11	OPS_AREA	Operations Region	POROSITY	Effective porosity	32626	16-Feb-96	Y	4B
Y		12	OPS_AREA	Operations Region	PO_MIN	Minimum brine pressure for capillary model KPC=3	31474	16-Feb-96	Y	4B
Y		12	OPS_AREA	Operations Region	PO_MIN	Minimum brine pressure for capillary model KPC=3	31474	16-Feb-96	Y	4B
Y		12	OPS_AREA	Operations Region	PO_MIN	Minimum brine pressure for capillary model KPC=3	31474	16-Feb-96	Y	4B
Y		12	OPS_AREA	Operations Region	PO_MIN	Minimum brine pressure for capillary model KPC=3	31474	16-Feb-96	Y	4B
Y		12	OPS_AREA	Operations Region	PO_MIN	Minimum brine pressure for capillary model KPC=3	31474	16-Feb-96	Y	4B

CCA Parameter Listing

ID	Classification of Data (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
2	4	CONSTANT	2.4105700E-01	2.4105700E-01	2.4105700E-01	2.4105700E-01	kg/mole	CRC-72	Y	N/A
2	4	CONSTANT	2.4105700E-01	2.4105700E-01	2.4105700E-01	2.4105700E-01	kg/mole	WPO36298	Y	N/A
2	4	CONSTANT	2.4105700E-01	2.4105700E-01	2.4105700E-01	2.4105700E-01	kg/mole	WPO36301	Y	N/A
3	4	CONSTANT	1.3640000E+10	1.3640000E+10	1.3640000E+10	1.3640000E+10	s	WPO36301	Y	N/A
3	4	CONSTANT	1.3640000E+10	1.3640000E+10	1.3640000E+10	1.3640000E+10	s	WPO37404	Y	N/A
3	4	CONSTANT	1.3640000E+10	1.3640000E+10	1.3640000E+10	1.3640000E+10	s	WPO40434	Y	N/A
4	2	CONSTANT	4.7800000E+05	4.7800000E+05	4.7800000E+05	4.7800000E+05	Ci	WPO37061	Y	N/A
4	2	CONSTANT	4.7800000E+05	4.7800000E+05	4.7800000E+05	4.7800000E+05	Ci	WPO39260	Y	N/A
4	2	CONSTANT	4.7800000E+05	4.7800000E+05	4.7800000E+05	4.7800000E+05	Ci	WPO41559	Y	N/A
4	2	CONSTANT	4.7800000E+05	4.7800000E+05	4.7800000E+05	4.7800000E+05	Ci	WPO41560	Y	N/A
5	2	CONSTANT	9.4400000E+03	9.4400000E+03	9.4400000E+03	9.4400000E+03	Ci	WPO37061	Y	N/A
5	2	CONSTANT	9.4400000E+03	9.4400000E+03	9.4400000E+03	9.4400000E+03	Ci	WPO39260	Y	N/A
5	2	CONSTANT	9.4400000E+03	9.4400000E+03	9.4400000E+03	9.4400000E+03	Ci	WPO41559	Y	N/A
5	2	CONSTANT	9.4400000E+03	9.4400000E+03	9.4400000E+03	9.4400000E+03	Ci	WPO41560	Y	N/A
6	4	CONSTANT	2.3290000E+11	2.3290000E+11	2.3290000E+11	2.3290000E+11	s	WPO36301	Y	N/A
6	4	CONSTANT	2.3290000E+11	2.3290000E+11	2.3290000E+11	2.3290000E+11	s	WPO37404	Y	N/A
6	4	CONSTANT	2.3290000E+11	2.3290000E+11	2.3290000E+11	2.3290000E+11	s	WPO40434	Y	N/A
7	1,3	CONSTANT	1.0000000E+00	1.0000000E+00	1.0000000E+00	1.0000000E+00	NONE	WPO35330	Y	N/A
7	1,3	CONSTANT	1.0000000E+00	1.0000000E+00	1.0000000E+00	1.0000000E+00	NONE	WPO35597	Y	N/A
7	1,3	CONSTANT	1.0000000E+00	1.0000000E+00	1.0000000E+00	1.0000000E+00	NONE	WPO36320	Y	N/A
7	1,3	CONSTANT	1.0000000E+00	1.0000000E+00	1.0000000E+00	1.0000000E+00	NONE	WPO40514	Y	N/A
8	1,3	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0.0000000E+00	Pa^-1	WPO35330	Y	N/A
8	1,3	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0.0000000E+00	Pa^-1	WPO35597	Y	N/A
8	1,3	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0.0000000E+00	Pa^-1	WPO36320	Y	N/A
8	1,3	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0.0000000E+00	Pa^-1	WPO40514	Y	N/A
9	1,3	CONSTANT	1.0000000E+08	1.0000000E+08	1.0000000E+08	1.0000000E+08	Pa	WPO35330	Y	N/A
9	1,3	CONSTANT	1.0000000E+08	1.0000000E+08	1.0000000E+08	1.0000000E+08	Pa	WPO35597	Y	N/A
9	1,3	CONSTANT	1.0000000E+08	1.0000000E+08	1.0000000E+08	1.0000000E+08	Pa	WPO36320	Y	N/A
9	1,3	CONSTANT	1.0000000E+08	1.0000000E+08	1.0000000E+08	1.0000000E+08	Pa	WPO40514	Y	N/A
10	1,3	CONSTANT	7.0000000E-01	7.0000000E-01	7.0000000E-01	7.0000000E-01	NONE	WPO35330	Y	N/A
10	1,3	CONSTANT	7.0000000E-01	7.0000000E-01	7.0000000E-01	7.0000000E-01	NONE	WPO35597	Y	N/A
10	1,3	CONSTANT	7.0000000E-01	7.0000000E-01	7.0000000E-01	7.0000000E-01	NONE	WPO36320	Y	N/A
10	1,3	CONSTANT	7.0000000E-01	7.0000000E-01	7.0000000E-01	7.0000000E-01	NONE	WPO40514	Y	N/A
11	1,3	CONSTANT	1.8000000E-01	1.8000000E-01	1.8000000E-01	1.8000000E-01	NONE	WPO32281	Y	N/A
11	1,3	CONSTANT	1.8000000E-01	1.8000000E-01	1.8000000E-01	1.8000000E-01	NONE	WPO35330	Y	N/A
11	1,3	CONSTANT	1.8000000E-01	1.8000000E-01	1.8000000E-01	1.8000000E-01	NONE	WPO35597	Y	N/A
11	1,3	CONSTANT	1.8000000E-01	1.8000000E-01	1.8000000E-01	1.8000000E-01	NONE	WPO40514	Y	N/A
12	1,3	CONSTANT	1.0132500E+05	1.0132500E+05	1.0132500E+05	1.0132500E+05	Pa	WPO35330	Y	N/A
12	1,3	CONSTANT	1.0132500E+05	1.0132500E+05	1.0132500E+05	1.0132500E+05	Pa	WPO35597	Y	N/A
12	1,3	CONSTANT	1.0132500E+05	1.0132500E+05	1.0132500E+05	1.0132500E+05	Pa	WPO36051	Y	N/A
12	1,3	CONSTANT	1.0132500E+05	1.0132500E+05	1.0132500E+05	1.0132500E+05	Pa	WPO36320	Y	N/A
12	1,3	CONSTANT	1.0132500E+05	1.0132500E+05	1.0132500E+05	1.0132500E+05	Pa	WPO40514	Y	N/A

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 464 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		13	OPS_AREA	Operations Region	PRESSURE	Brine far-field pore pressure	32629	16-Feb-96	Y	4B
Y		13	OPS_AREA	Operations Region	PRESSURE	Brine far-field pore pressure	32629	16-Feb-96	Y	4B
Y		13	OPS_AREA	Operations Region	PRESSURE	Brine far-field pore pressure	32629	16-Feb-96	Y	4B
Y		13	OPS_AREA	Operations Region	PRESSURE	Brine far-field pore pressure	32629	16-Feb-96	Y	4B
Y		14	OPS_AREA	Operations Region	PRMX_LOG	Log of intrinsic permeability, X-direction	32630	16-Feb-96	Y	4B
Y		14	OPS_AREA	Operations Region	PRMX_LOG	Log of intrinsic permeability, X-direction	32630	16-Feb-96	Y	4B
Y		14	OPS_AREA	Operations Region	PRMX_LOG	Log of intrinsic permeability, X-direction	32630	16-Feb-96	Y	4B
Y		14	OPS_AREA	Operations Region	PRMX_LOG	Log of intrinsic permeability, X-direction	32630	16-Feb-96	Y	4B
Y		15	OPS_AREA	Operations Region	PRMY_LOG	Log of intrinsic permeability, Y-direction	32632	16-Feb-96	Y	4B
Y		15	OPS_AREA	Operations Region	PRMY_LOG	Log of intrinsic permeability, Y-direction	32632	16-Feb-96	Y	4B
Y		15	OPS_AREA	Operations Region	PRMY_LOG	Log of intrinsic permeability, Y-direction	32632	16-Feb-96	Y	4B
Y		15	OPS_AREA	Operations Region	PRMY_LOG	Log of intrinsic permeability, Y-direction	32632	16-Feb-96	Y	4B
Y		16	OPS_AREA	Operations Region	PRMZ_LOG	Log of intrinsic permeability, Z-direction	32633	16-Feb-96	Y	4B
Y		16	OPS_AREA	Operations Region	PRMZ_LOG	Log of intrinsic permeability, Z-direction	32633	16-Feb-96	Y	4B
Y		16	OPS_AREA	Operations Region	PRMZ_LOG	Log of intrinsic permeability, Z-direction	32633	16-Feb-96	Y	4B
Y		16	OPS_AREA	Operations Region	PRMZ_LOG	Log of intrinsic permeability, Z-direction	32633	16-Feb-96	Y	4B
Y		19	OPS_AREA	Operations Region	RELP_MOD	Model number, relative permeability model	32634	16-Feb-96	Y	4B
Y		19	OPS_AREA	Operations Region	RELP_MOD	Model number, relative permeability model	32634	16-Feb-96	Y	4B
Y		19	OPS_AREA	Operations Region	RELP_MOD	Model number, relative permeability model	32634	16-Feb-96	Y	4B
Y		19	OPS_AREA	Operations Region	RELP_MOD	Model number, relative permeability model	32634	16-Feb-96	Y	4B
Y		20	OPS_AREA	Operations Region	SAT_IBRN	Initial Brine Saturation	32637	16-Feb-96	Y	4B
Y		20	OPS_AREA	Operations Region	SAT_IBRN	Initial Brine Saturation	32637	16-Feb-96	Y	4B
Y		20	OPS_AREA	Operations Region	SAT_IBRN	Initial Brine Saturation	32637	16-Feb-96	Y	4B
Y		20	OPS_AREA	Operations Region	SAT_IBRN	Initial Brine Saturation	32637	16-Feb-96	Y	4B
Y		21	OPS_AREA	Operations Region	SAT_RBRN	Residual Brine Saturation	32639	16-Feb-96	Y	4B
Y		21	OPS_AREA	Operations Region	SAT_RBRN	Residual Brine Saturation	32639	16-Feb-96	Y	4B
Y		21	OPS_AREA	Operations Region	SAT_RBRN	Residual Brine Saturation	32639	16-Feb-96	Y	4B
Y		21	OPS_AREA	Operations Region	SAT_RBRN	Residual Brine Saturation	32639	16-Feb-96	Y	4B
Y		22	OPS_AREA	Operations Region	SAT_RGAS	Residual Gas Saturation	32641	16-Feb-96	~Y	4B
Y		22	OPS_AREA	Operations Region	SAT_RGAS	Residual Gas Saturation	32641	16-Feb-96	Y	4B
Y		22	OPS_AREA	Operations Region	SAT_RGAS	Residual Gas Saturation	32641	16-Feb-96	Y	4B
Y		22	OPS_AREA	Operations Region	SAT_RGAS	Residual Gas Saturation	32641	16-Feb-96	Y	4B
Y		23	BOREHOLE	Borehole and Fill	CAP_MOD	Model number, capillary pressure model	31486A	20-Feb-96	Y	4B
Y		23	BOREHOLE	Borehole and Fill	CAP_MOD	Model number, capillary pressure model	31486A	20-Feb-96	Y	4B
Y		23	BOREHOLE	Borehole and Fill	CAP_MOD	Model number, capillary pressure model	31486A	20-Feb-96	Y	4B
Y		25	BOREHOLE	Borehole and Fill	COMP_RCK	Bulk Compressibility	31510	20-Feb-96	Y	4A
Y		25	BOREHOLE	Borehole and Fill	COMP_RCK	Bulk Compressibility	31510	20-Feb-96	Y	4A
Y		26	BOREHOLE	Borehole and Fill	DIAMMOD	Modern or current diameter	31511	22-Feb-96	Y	4B
Y		26	BOREHOLE	Borehole and Fill	DIAMMOD	Modern or current diameter	31511	22-Feb-96	Y	4B
Y		26	BOREHOLE	Borehole and Fill	DIAMMOD	Modern or current diameter	31511	22-Feb-96	Y	4B
Y		26	BOREHOLE	Borehole and Fill	DIAMMOD	Modern or current diameter	31511	22-Feb-96	Y	4B
Y		26	BOREHOLE	Borehole and Fill	DIAMMOD	Modern or current diameter	31511	22-Feb-96	Y	4B
Y		27	BOREHOLE	Borehole and Fill	DOMEGA	Drill string angular velocity (0)	31512	09-Jan-95	Y	4B
Y		27	BOREHOLE	Borehole and Fill	DOMEGA	Drill string angular velocity (0)	31512	09-Jan-95	Y	4B
Y		27	BOREHOLE	Borehole and Fill	DOMEGA	Drill string angular velocity (0)	31512	09-Jan-95	Y	4B

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
13	1,3	CONSTANT	1.0132500E+05	1.0132500E+05	1.0132500E+05	1.0132500E+05	Pa	WPO35330	Y	N/A
13	1,3	CONSTANT	1.0132500E+05	1.0132500E+05	1.0132500E+05	1.0132500E+05	Pa	WPO35597	Y	N/A
13	1,3	CONSTANT	1.0132500E+05	1.0132500E+05	1.0132500E+05	1.0132500E+05	Pa	WPO36320	Y	N/A
13	1,3	CONSTANT	1.0132500E+05	1.0132500E+05	1.0132500E+05	1.0132500E+05	Pa	WPO40514	Y	N/A
14	1,3	CONSTANT	-1.1000000E+01	-1.1000000E+01	-1.1000000E+01	-1.1000000E+01	log(m^2)	WPO35330	Y	N/A
14	1,3	CONSTANT	-1.1000000E+01	-1.1000000E+01	-1.1000000E+01	-1.1000000E+01	log(m^2)	WPO35597	Y	N/A
14	1,3	CONSTANT	-1.1000000E+01	-1.1000000E+01	-1.1000000E+01	-1.1000000E+01	log(m^2)	WPO36320	Y	N/A
14	1,3	CONSTANT	-1.1000000E+01	-1.1000000E+01	-1.1000000E+01	-1.1000000E+01	log(m^2)	WPO40514	Y	N/A
15	1,3	CONSTANT	-1.1000000E+01	-1.1000000E+01	-1.1000000E+01	-1.1000000E+01	log(m^2)	WPO35330	Y	N/A
15	1,3	CONSTANT	-1.1000000E+01	-1.1000000E+01	-1.1000000E+01	-1.1000000E+01	log(m^2)	WPO35597	Y	N/A
15	1,3	CONSTANT	-1.1000000E+01	-1.1000000E+01	-1.1000000E+01	-1.1000000E+01	log(m^2)	WPO36320	Y	N/A
15	1,3	CONSTANT	-1.1000000E+01	-1.1000000E+01	-1.1000000E+01	-1.1000000E+01	log(m^2)	WPO40514	Y	N/A
16	1,3	CONSTANT	-1.1000000E+01	-1.1000000E+01	-1.1000000E+01	-1.1000000E+01	log(m^2)	WPO35330	Y	N/A
16	1,3	CONSTANT	-1.1000000E+01	-1.1000000E+01	-1.1000000E+01	-1.1000000E+01	log(m^2)	WPO35597	Y	N/A
16	1,3	CONSTANT	-1.1000000E+01	-1.1000000E+01	-1.1000000E+01	-1.1000000E+01	log(m^2)	WPO36320	Y	N/A
16	1,3	CONSTANT	-1.1000000E+01	-1.1000000E+01	-1.1000000E+01	-1.1000000E+01	log(m^2)	WPO40514	Y	N/A
19	1,3	CONSTANT	4.0000000E+00	4.0000000E+00	4.0000000E+00	4.0000000E+00	NONE	WPO35330	Y	N/A
19	1,3	CONSTANT	4.0000000E+00	4.0000000E+00	4.0000000E+00	4.0000000E+00	NONE	WPO35597	Y	N/A
19	1,3	CONSTANT	4.0000000E+00	4.0000000E+00	4.0000000E+00	4.0000000E+00	NONE	WPO36320	Y	N/A
19	1,3	CONSTANT	4.0000000E+00	4.0000000E+00	4.0000000E+00	4.0000000E+00	NONE	WPO40514	Y	N/A
20	1,3	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0.0000000E+00	NONE	WPO35330	Y	N/A
20	1,3	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0.0000000E+00	NONE	WPO35597	Y	N/A
20	1,3	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0.0000000E+00	NONE	WPO36320	Y	N/A
20	1,3	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0.0000000E+00	NONE	WPO40514	Y	N/A
21	1,3	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0.0000000E+00	NONE	WPO35330	Y	N/A
21	1,3	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0.0000000E+00	NONE	WPO35597	Y	N/A
21	1,3	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0.0000000E+00	NONE	WPO36320	Y	N/A
21	1,3	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0.0000000E+00	NONE	WPO40514	Y	N/A
22	1,3	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0.0000000E+00	NONE	WPO35330	Y	N/A
22	1,3	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0.0000000E+00	NONE	WPO35597	Y	N/A
22	1,3	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0.0000000E+00	NONE	WPO36320	Y	N/A
22	1,3	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0.0000000E+00	NONE	WPO40514	Y	N/A
23	Not Used	CONSTANT	2.0000000E+00	2.0000000E+00	2.0000000E+00	2.0000000E+00	NONE	WPO30640	Y	N/A
23	Not Used	CONSTANT	2.0000000E+00	2.0000000E+00	2.0000000E+00	2.0000000E+00	NONE	WPO35597	Y	N/A
23	Not Used	CONSTANT	2.0000000E+00	2.0000000E+00	2.0000000E+00	2.0000000E+00	NONE	WPO40514	Y	N/A
25	Not Used	CONSTANT	2.6400000E-09	2.6400000E-09	2.6400000E-09	2.6400000E-09	Pa^-1	WPO30640	Y	N/A
25	Not Used	CONSTANT	2.6400000E-09	2.6400000E-09	2.6400000E-09	2.6400000E-09	Pa^-1	WPO35597	Y	N/A
26	Not Used	CONSTANT	3.1115000E-01	3.1115000E-01	3.1115000E-01	3.1115000E-01	m	WPO35329	Y	N/A
26	Not Used	CONSTANT	3.1115000E-01	3.1115000E-01	3.1115000E-01	3.1115000E-01	m	WPO35597	Y	N/A
26	Not Used	CONSTANT	3.1115000E-01	3.1115000E-01	3.1115000E-01	3.1115000E-01	m	WPO38343	Y	N/A
26	Not Used	CONSTANT	3.1115000E-01	3.1115000E-01	3.1115000E-01	3.1115000E-01	m	WPO38344	Y	N/A
26	Not Used	CONSTANT	3.1115000E-01	3.1115000E-01	3.1115000E-01	3.1115000E-01	m	WPO40521	Y	N/A
27	3	CUMULATIVE	8.6300000E+00	7.8000000E+00	4.2000000E+00	2.3000000E+01	rad/s	SAND92-0700/3	Y	N/A
27	3	CUMULATIVE	8.6300000E+00	7.8000000E+00	4.2000000E+00	2.3000000E+01	rad/s	WPO35268	Y	N/A
27	3	CUMULATIVE	8.6300000E+00	7.8000000E+00	4.2000000E+00	2.3000000E+01	rad/s	WPO35597	Y	N/A

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 464 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		27	BOREHOLE	Borehole and Fill	DOMEGA	Drill string angular velocity (0)	31512	09-Jan-95	Y	4B
Y		27	BOREHOLE	Borehole and Fill	DOMEGA	Drill string angular velocity (0)	31512	09-Jan-95	Y	4B
Y		29	BOREHOLE	Borehole and Fill	PC_MAX	Maximum allowable capillary pressure	31514	20-Feb-96	Y	4B
Y		29	BOREHOLE	Borehole and Fill	PC_MAX	Maximum allowable capillary pressure	31514	20-Feb-96	Y	4B
Y		29	BOREHOLE	Borehole and Fill	PC_MAX	Maximum allowable capillary pressure	31514	20-Feb-96	Y	4B
Y		30	BOREHOLE	Borehole and Fill	PORE_DIS	Brooks-Corey pore distribution parameter	31521	20-Feb-96	Y	4A
Y		30	BOREHOLE	Borehole and Fill	PORE_DIS	Brooks-Corey pore distribution parameter	31521	20-Feb-96	Y	4A
Y		31	BOREHOLE	Borehole and Fill	POROSITY	Effective porosity	31522	21-Feb-96	Y	4A
Y		31	BOREHOLE	Borehole and Fill	POROSITY	Effective porosity	31522	21-Feb-96	Y	4A
Y		32	BOREHOLE	Borehole and Fill	PO_MIN	Minimum brine pressure for capillary model KPC=3	31523	21-Feb-96	Y	4B
Y		32	BOREHOLE	Borehole and Fill	PO_MIN	Minimum brine pressure for capillary model KPC=3	31523	21-Feb-96	Y	4B
Y		32	BOREHOLE	Borehole and Fill	PO_MIN	Minimum brine pressure for capillary model KPC=3	31523	21-Feb-96	Y	4B
Y		34	BOREHOLE	Borehole and Fill	PRMX_LOG	Log of intrinsic permeability, X-direction	31525	31-Oct-95	Y	4B
Y		34	BOREHOLE	Borehole and Fill	PRMX_LOG	Log of intrinsic permeability, X-direction	31525	31-Oct-95	Y	4B
Y		34	BOREHOLE	Borehole and Fill	PRMX_LOG	Log of intrinsic permeability, X-direction	31525	31-Oct-95	Y	4B
Y		35	BOREHOLE	Borehole and Fill	PRMY_LOG	Log of intrinsic permeability, Y-direction	31527	31-Oct-95	Y	4B
Y		35	BOREHOLE	Borehole and Fill	PRMY_LOG	Log of intrinsic permeability, Y-direction	31527	31-Oct-95	Y	4B
Y		35	BOREHOLE	Borehole and Fill	PRMY_LOG	Log of intrinsic permeability, Y-direction	31527	31-Oct-95	Y	4B
Y		36	BOREHOLE	Borehole and Fill	PRMZ_LOG	Log of intrinsic permeability, Z-direction	31528	31-Oct-95	Y	4B
Y		36	BOREHOLE	Borehole and Fill	PRMZ_LOG	Log of intrinsic permeability, Z-direction	31528	31-Oct-95	Y	4B
Y		36	BOREHOLE	Borehole and Fill	PRMZ_LOG	Log of intrinsic permeability, Z-direction	31528	31-Oct-95	Y	4B
Y		40	BOREHOLE	Borehole and Fill	REL_P_MOD	Model number, relative permeability model	31532	31-Oct-95	Y	4B
Y		40	BOREHOLE	Borehole and Fill	REL_P_MOD	Model number, relative permeability model	31532	31-Oct-95	Y	4B
Y		40	BOREHOLE	Borehole and Fill	REL_P_MOD	Model number, relative permeability model	31532	31-Oct-95	Y	4B
Y		41	BOREHOLE	Borehole and Fill	SAT_RBRN	Residual Brine Saturation	31533	31-Oct-95	Y	4A
Y		41	BOREHOLE	Borehole and Fill	SAT_RBRN	Residual Brine Saturation	31533	31-Oct-95	Y	4A
Y		42	BOREHOLE	Borehole and Fill	SAT_RGAS	Residual Gas Saturation	31535	20-Feb-96	-Y	4A
Y		42	BOREHOLE	Borehole and Fill	SAT_RGAS	Residual Gas Saturation	31535	20-Feb-96	Y	4A
Y		48	BRINESAL	Salado Brine	COMPRES	Brine Compressibility	31540	01-Feb-96	Y	1
Y		48	BRINESAL	Salado Brine	COMPRES	Brine Compressibility	31540	01-Feb-96	Y	1
Y		49	BRINESAL	Salado Brine	DNSFLUID	Brine Density	31541	01-Feb-96	Y	1
Y		49	BRINESAL	Salado Brine	DNSFLUID	Brine Density	31541	01-Feb-96	Y	1
Y		50	BRINESAL	Salado Brine	REF_PRES	Reference pressure for porosity	31542	02-Nov-95	Y	4B
Y		50	BRINESAL	Salado Brine	REF_PRES	Reference pressure for porosity	31542	02-Nov-95	Y	4B
Y		51	BRINESAL	Salado Brine	REF_TEMP	Reference Temperature	31543	02-Nov-95	Y	4B
Y		51	BRINESAL	Salado Brine	REF_TEMP	Reference Temperature	31543	02-Nov-95	Y	4B
Y		55	BRINESAL	Salado Brine	VISCO	Viscosity	31548	09-Feb-96	Y	1
Y		55	BRINESAL	Salado Brine	VISCO	Viscosity	31548	09-Feb-96	Y	1
Y		57	BRINESAL	Salado Brine	WTF	Mass fraction of salt in brine	31552	20-Feb-96	Y	1
Y		57	BRINESAL	Salado Brine	WTF	Mass fraction of salt in brine	31552	20-Feb-96	Y	1
Y		57	BRINESAL	Salado Brine	WTF	Mass fraction of salt in brine	31552	20-Feb-96	Y	1
Y		60	CASTILER	Castile Brine Reservoir	CAP_MOD	Model number, capillary pressure model	31556	02-Nov-95	Y	4B
Y		60	CASTILER	Castile Brine Reservoir	CAP_MOD	Model number, capillary pressure model	31556	02-Nov-95	Y	4B

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
27	3	CUMULATIVE	8.630000E+00	7.800000E+00	4.200000E+00	2.300000E+01	rad/s	WPO38568	Y	N/A
27	3	CUMULATIVE	8.630000E+00	7.800000E+00	4.200000E+00	2.300000E+01	rad/s	WPO40521	Y	N/A
29	Not Used	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO35597	Y	N/A
29	Not Used	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO38568	Y	N/A
29	Not Used	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO40514	Y	N/A
30	Not Used	CONSTANT	9.400000E-01	9.400000E-01	9.400000E-01	9.400000E-01	NONE	WPO30640	Y	N/A
30	Not Used	CONSTANT	9.400000E-01	9.400000E-01	9.400000E-01	9.400000E-01	NONE	WPO35597	Y	N/A
31	Not Used	CONSTANT	5.000000E-02	5.000000E-02	5.000000E-02	5.000000E-02	NONE	WPO30640	Y	N/A
31	Not Used	CONSTANT	5.000000E-02	5.000000E-02	5.000000E-02	5.000000E-02	NONE	WPO35597	Y	N/A
32	Not Used	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO35597	Y	N/A
32	Not Used	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO36051	Y	N/A
32	Not Used	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO40514	Y	N/A
34	Not Used	NORMAL	-1.223000E+01	-1.250000E+01	-1.400000E+01	-1.100000E+01	log(m^2)	FREEZE-1	Y	N/A
34	Not Used	NORMAL	-1.223000E+01	-1.250000E+01	-1.400000E+01	-1.100000E+01	log(m^2)	WPO38568	Y	N/A
34	Not Used	NORMAL	-1.223000E+01	-1.250000E+01	-1.400000E+01	-1.100000E+01	log(m^2)	WPO40514	Y	N/A
35	Not Used	NORMAL	-1.223000E+01	-1.250000E+01	-1.400000E+01	-1.100000E+01	log(m^2)	FREEZE-1	Y	N/A
35	Not Used	NORMAL	-1.223000E+01	-1.250000E+01	-1.400000E+01	-1.100000E+01	log(m^2)	WPO38568	Y	N/A
35	Not Used	NORMAL	-1.223000E+01	-1.250000E+01	-1.400000E+01	-1.100000E+01	log(m^2)	WPO40514	Y	N/A
36	Not Used	NORMAL	-1.223000E+01	-1.250000E+01	-1.400000E+01	-1.100000E+01	log(m^2)	FREEZE-1	Y	N/A
36	Not Used	NORMAL	-1.223000E+01	-1.250000E+01	-1.400000E+01	-1.100000E+01	log(m^2)	WPO38568	Y	N/A
36	Not Used	NORMAL	-1.223000E+01	-1.250000E+01	-1.400000E+01	-1.100000E+01	log(m^2)	WPO40514	Y	N/A
40	Not Used	CONSTANT	4.000000E+00	4.000000E+00	4.000000E+00	4.000000E+00	NONE	WPO35597	Y	N/A
40	Not Used	CONSTANT	4.000000E+00	4.000000E+00	4.000000E+00	4.000000E+00	NONE	WPO38568	Y	N/A
40	Not Used	CONSTANT	4.000000E+00	4.000000E+00	4.000000E+00	4.000000E+00	NONE	WPO40514	Y	N/A
41	Not Used	CONSTANT	2.000000E-01	2.000000E-01	2.000000E-01	2.000000E-01	NONE	WPO30640	Y	N/A
41	Not Used	CONSTANT	2.000000E-01	2.000000E-01	2.000000E-01	2.000000E-01	NONE	WPO35597	Y	N/A
42	Not Used	CONSTANT	2.000000E-01	2.000000E-01	2.000000E-01	2.000000E-01	NONE	WPO30640	-Y	N/A
42	Not Used	CONSTANT	2.000000E-01	2.000000E-01	2.000000E-01	2.000000E-01	NONE	WPO35597	Y	N/A
48	3,4	CONSTANT	3.100000E-10	3.100000E-10	3.100000E-10	3.100000E-10	Pa^-1	WPO31174	N	1
48	3,4	CONSTANT	3.100000E-10	3.100000E-10	3.100000E-10	3.100000E-10	Pa^-1	WPO35597	N	1
49	1	CONSTANT	1.220000E+03	1.220000E+03	1.220000E+03	1.220000E+03	kg/m^3	WPO31175	N	1
49	1	CONSTANT	1.220000E+03	1.220000E+03	1.220000E+03	1.220000E+03	kg/m^3	WPO35597	N	1
50	1,3,5	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO38568	Y	N/A
50	1,3,5	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO40514	Y	N/A
51	1,3,4	CONSTANT	3.001500E+02	3.001500E+02	3.001500E+02	3.001500E+02	K	WPO38568	Y	N/A
51	1,3,4	CONSTANT	3.001500E+02	3.001500E+02	3.001500E+02	3.001500E+02	K	WPO40514	Y	N/A
55	1	CONSTANT	2.100000E-03	2.100000E-03	2.100000E-03	2.100000E-03	Pa*s	WPO31168	N	1
55	1	CONSTANT	2.100000E-03	2.100000E-03	2.100000E-03	2.100000E-03	Pa*s	WPO35597	N	1
57	1	STUDENT	3.240000E-01	3.240000E-01	3.070000E-01	3.320000E-01	NONE	WPO31171	Y	1
57	1	STUDENT	3.240000E-01	3.240000E-01	3.070000E-01	3.320000E-01	NONE	WPO35597	Y	1
57	1	STUDENT	3.240000E-01	3.240000E-01	3.070000E-01	3.320000E-01	NONE	WPO36380	Y	1
60	3,5	CONSTANT	2.000000E+00	2.000000E+00	2.000000E+00	2.000000E+00	NONE	WPO38568	Y	N/A
60	3,5	CONSTANT	2.000000E+00	2.000000E+00	2.000000E+00	2.000000E+00	NONE	WPO40514	Y	N/A

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 454 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		61	CASTILER	Castile Brine Reservoir	COMP_RCK	Bulk Compressibility	31561	11-Apr-96	Y	1
Y		61	CASTILER	Castile Brine Reservoir	COMP_RCK	Bulk Compressibility	31561	11-Apr-96	Y	1
Y		61	CASTILER	Castile Brine Reservoir	COMP_RCK	Bulk Compressibility	31561	11-Apr-96	Y	1
Y		62	CASTILER	Castile Brine Reservoir	PC_MAX	Maximum allowable capillary pressure	31607	02-Nov-95	Y	4B
Y		62	CASTILER	Castile Brine Reservoir	PC_MAX	Maximum allowable capillary pressure	31607	02-Nov-95	Y	4B
Y		63	CASTILER	Castile Brine Reservoir	PORE_DIS	Brooks-Corey pore distribution parameter	31609	02-Nov-95	Y	4B
Y		63	CASTILER	Castile Brine Reservoir	PORE_DIS	Brooks-Corey pore distribution parameter	31609	02-Nov-95	Y	4B
Y	varies	64	CASTILER	Castile Brine Reservoir	POROSITY	Effective porosity	31610	31-Jan-96	Y	1
Y	varies	64	CASTILER	Castile Brine Reservoir	POROSITY	Effective porosity	31610	31-Jan-96	Y	1
Y	varies	64	CASTILER	Castile Brine Reservoir	POROSITY	Effective porosity	31610	31-Jan-96	Y	1
Y	varies	64	CASTILER	Castile Brine Reservoir	POROSITY	Effective porosity	31610	31-Jan-96	Y	1
Y		65	CASTILER	Castile Brine Reservoir	PO_MIN	Minimum brine pressure for capillary model KPC=3	31611	21-Feb-96	Y	4B
Y		65	CASTILER	Castile Brine Reservoir	PO_MIN	Minimum brine pressure for capillary model KPC=3	31611	21-Feb-96	Y	4B
Y		65	CASTILER	Castile Brine Reservoir	PO_MIN	Minimum brine pressure for capillary model KPC=3	31611	21-Feb-96	Y	4B
Y		66	CASTILER	Castile Brine Reservoir	PRESSURE	Brine far-field pore pressure	31612A	21-Mar-96	Y	1
Y		66	CASTILER	Castile Brine Reservoir	PRESSURE	Brine far-field pore pressure	31612A	21-Mar-96	Y	1
Y		66	CASTILER	Castile Brine Reservoir	PRESSURE	Brine far-field pore pressure	31612A	21-Mar-96	Y	1
Y		66	CASTILER	Castile Brine Reservoir	PRESSURE	Brine far-field pore pressure	31612A	21-Mar-96	Y	1
Y		67	CASTILER	Castile Brine Reservoir	PRMX_LOG	Log of intrinsic permeability, X-direction	31613	12-Feb-96	Y	1
Y		67	CASTILER	Castile Brine Reservoir	PRMX_LOG	Log of intrinsic permeability, X-direction	31613	12-Feb-96	Y	1
Y		67	CASTILER	Castile Brine Reservoir	PRMX_LOG	Log of intrinsic permeability, X-direction	31613	12-Feb-96	Y	1
Y		68	CASTILER	Castile Brine Reservoir	PRMY_LOG	Log of intrinsic permeability, Y-direction	31614	12-Feb-96	Y	1
Y		68	CASTILER	Castile Brine Reservoir	PRMY_LOG	Log of intrinsic permeability, Y-direction	31614	12-Feb-96	Y	1
Y		68	CASTILER	Castile Brine Reservoir	PRMY_LOG	Log of intrinsic permeability, Y-direction	31614	12-Feb-96	Y	1
Y		69	CASTILER	Castile Brine Reservoir	PRMZ_LOG	Log of intrinsic permeability, Z-direction	31615	12-Feb-96	-Y	1
Y		69	CASTILER	Castile Brine Reservoir	PRMZ_LOG	Log of intrinsic permeability, Z-direction	31615	12-Feb-96	Y	1
Y		69	CASTILER	Castile Brine Reservoir	PRMZ_LOG	Log of intrinsic permeability, Z-direction	31615	12-Feb-96	Y	1
Y		72	CASTILER	Castile Brine Reservoir	REL_P_MOD	Model number, relative permeability model	31619	02-Nov-95	Y	4B
Y		72	CASTILER	Castile Brine Reservoir	REL_P_MOD	Model number, relative permeability model	31619	02-Nov-95	Y	4B
Y		73	CASTILER	Castile Brine Reservoir	SAT_IBRN	Initial Brine Saturation	31620	02-Nov-95	Y	4B
Y		73	CASTILER	Castile Brine Reservoir	SAT_IBRN	Initial Brine Saturation	31620	02-Nov-95	Y	4B
Y		74	CASTILER	Castile Brine Reservoir	SAT_RBRN	Residual Brine Saturation	31621	02-Nov-95	Y	4B
Y		74	CASTILER	Castile Brine Reservoir	SAT_RBRN	Residual Brine Saturation	31621	02-Nov-95	Y	4B
Y		75	CASTILER	Castile Brine Reservoir	SAT_RGAS	Residual Gas Saturation	31622	02-Nov-95	Y	4B
Y		75	CASTILER	Castile Brine Reservoir	SAT_RGAS	Residual Gas Saturation	31622	02-Nov-95	Y	4B
Y		76	CAVITY_1	Cavity for Waste Areas	CAP_MOD	Model number, capillary pressure model	31626	02-Nov-95	Y	4B

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
61	1,4	TRIANGULAR	-9.800000E+00	-1.000000E+01	-1.130000E+01	-8.000000E+00	log(Pa ⁻¹)	WPO31084	N	1
61	1,4	TRIANGULAR	-9.800000E+00	-1.000000E+01	-1.130000E+01	-8.000000E+00	log(Pa ⁻¹)	WPO35268	N	1
61	1,4	TRIANGULAR	-9.800000E+00	-1.000000E+01	-1.130000E+01	-8.000000E+00	log(Pa ⁻¹)	WPO35597	N	1
62	3,5	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO38568	Y	N/A
62	3,5	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO40514	Y	N/A
63	1,3,4	CONSTANT	7.000000E-01	7.000000E-01	7.000000E-01	7.000000E-01	NONE	WPO38568	Y	N/A
63	1,3,4	CONSTANT	7.000000E-01	7.000000E-01	7.000000E-01	7.000000E-01	NONE	WPO40514	Y	N/A
64	1,3,5	STUDENT	8.700000E-03	8.700000E-03	2.000000E-03	1.600000E-02	NONE	WPO31083	N	1
64	1,3,5	STUDENT	8.700000E-03	8.700000E-03	2.000000E-03	1.600000E-02	NONE	WPO35597	N	1
64	1,3,5	STUDENT	8.700000E-03	8.700000E-03	2.000000E-03	1.600000E-02	NONE	WPO36380	N	1
64	1,3,5	STUDENT	8.700000E-03	8.700000E-03	2.000000E-03	1.600000E-02	NONE	WPO40434	N	1
65	3,5	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO35597	Y	N/A
65	3,5	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO36051	Y	N/A
65	3,5	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO40514	Y	N/A
66	1	TRIANGULAR	1.360000E+07	1.270000E+07	1.110000E+07	1.700000E+07	Pa	WPO31072	N	1
66	1	TRIANGULAR	1.360000E+07	1.270000E+07	1.110000E+07	1.700000E+07	Pa	WPO35268	N	1
66	1	TRIANGULAR	1.360000E+07	1.270000E+07	1.110000E+07	1.700000E+07	Pa	WPO35597	N	1
66	1	TRIANGULAR	1.360000E+07	1.270000E+07	1.110000E+07	1.700000E+07	Pa	WPO37148	N	1
67	1	TRIANGULAR	-1.210000E+01	-1.180000E+01	-1.470000E+01	-9.800000E+00	log(m ²)	WPO31070	N	1
67	1	TRIANGULAR	-1.210000E+01	-1.180000E+01	-1.470000E+01	-9.800000E+00	log(m ²)	WPO35268	N	1
67	1	TRIANGULAR	-1.210000E+01	-1.180000E+01	-1.470000E+01	-9.800000E+00	log(m ²)	WPO35597	N	1
68	1	TRIANGULAR	-1.210000E+01	-1.180000E+01	-1.470000E+01	-9.800000E+00	log(m ²)	WPO31070	N	1
68	1	TRIANGULAR	-1.210000E+01	-1.180000E+01	-1.470000E+01	-9.800000E+00	log(m ²)	WPO35268	N	1
68	1	TRIANGULAR	-1.210000E+01	-1.180000E+01	-1.470000E+01	-9.800000E+00	log(m ²)	WPO35597	N	1
69	1	TRIANGULAR	-1.210000E+01	-1.180000E+01	-1.470000E+01	-9.800000E+00	log(m ²)	WPO31070	-N	1
69	1	TRIANGULAR	-1.210000E+01	-1.180000E+01	-1.470000E+01	-9.800000E+00	log(m ²)	WPO35268	N	1
69	1	TRIANGULAR	-1.210000E+01	-1.180000E+01	-1.470000E+01	-9.800000E+00	log(m ²)	WPO35597	N	1
72	1,3,4	CONSTANT	4.000000E+00	4.000000E+00	4.000000E+00	4.000000E+00	NONE	WPO38568	Y	N/A
72	1,3,4	CONSTANT	4.000000E+00	4.000000E+00	4.000000E+00	4.000000E+00	NONE	WPO40514	Y	N/A
73	1,3	CONSTANT	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	NONE	WPO38568	Y	N/A
73	1,3	CONSTANT	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	NONE	WPO40514	Y	N/A
74	1,3,4	CONSTANT	2.000000E-01	2.000000E-01	2.000000E-01	2.000000E-01	NONE	WPO38568	Y	N/A
74	1,3,4	CONSTANT	2.000000E-01	2.000000E-01	2.000000E-01	2.000000E-01	NONE	WPO40514	Y	N/A
75	1,3,4	CONSTANT	2.000000E-01	2.000000E-01	2.000000E-01	2.000000E-01	NONE	WPO38568	Y	N/A
75	1,3,4	CONSTANT	2.000000E-01	2.000000E-01	2.000000E-01	2.000000E-01	NONE	WPO40514	Y	N/A
76	3,5	CONSTANT	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	NONE	MEMO:VAUGHN/ TIERNEY-9	Y	N/A

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 464 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		76	CAVITY_1	Cavity for Waste Areas	CAP_MOD	Model number, capillary pressure model	31626	02-Nov-95	Y	4B
Y		76	CAVITY_1	Cavity for Waste Areas	CAP_MOD	Model number, capillary pressure model	31626	02-Nov-95	Y	4B
Y		77	CAVITY_1	Cavity for Waste Areas	COMP_RCK	Bulk Compressibility	31628	02-Nov-95	Y	4B
Y		77	CAVITY_1	Cavity for Waste Areas	COMP_RCK	Bulk Compressibility	31628	02-Nov-95	Y	4B
Y		77	CAVITY_1	Cavity for Waste Areas	COMP_RCK	Bulk Compressibility	31628	02-Nov-95	Y	4B
Y		78	CAVITY_1	Cavity for Waste Areas	PC_MAX	Maximum allowable capillary pressure	31673	02-Nov-95	Y	4B
Y		78	CAVITY_1	Cavity for Waste Areas	PC_MAX	Maximum allowable capillary pressure	31673	02-Nov-95	Y	4B
Y		78	CAVITY_1	Cavity for Waste Areas	PC_MAX	Maximum allowable capillary pressure	31673	02-Nov-95	Y	4B
Y		79	CAVITY_1	Cavity for Waste Areas	PORE_DIS	Brooks-Corey pore distribution parameter	31675	02-Nov-95	Y	4B
Y		79	CAVITY_1	Cavity for Waste Areas	PORE_DIS	Brooks-Corey pore distribution parameter	31675	02-Nov-95	Y	4B
Y		79	CAVITY_1	Cavity for Waste Areas	PORE_DIS	Brooks-Corey pore distribution parameter	31675	02-Nov-95	Y	4B
Y		80	CAVITY_1	Cavity for Waste Areas	POROSITY	Effective porosity	31677	02-Nov-95	Y	4B
Y		80	CAVITY_1	Cavity for Waste Areas	POROSITY	Effective porosity	31677	02-Nov-95	Y	4B
Y		80	CAVITY_1	Cavity for Waste Areas	POROSITY	Effective porosity	31677	02-Nov-95	Y	4B
Y		81	CAVITY_1	Cavity for Waste Areas	PO_MIN	Minimum brine pressure for capillary model KPC=3	31678	21-Feb-96	Y	4B
Y		81	CAVITY_1	Cavity for Waste Areas	PO_MIN	Minimum brine pressure for capillary model KPC=3	31678	21-Feb-96	Y	4B
Y		81	CAVITY_1	Cavity for Waste Areas	PO_MIN	Minimum brine pressure for capillary model KPC=3	31678	21-Feb-96	Y	4B
Y		82	CAVITY_1	Cavity for Waste Areas	PRESSURE	Brine far-field pore pressure	31679	02-Nov-95	Y	4B
Y		82	CAVITY_1	Cavity for Waste Areas	PRESSURE	Brine far-field pore pressure	31679	02-Nov-95	Y	4B
Y		82	CAVITY_1	Cavity for Waste Areas	PRESSURE	Brine far-field pore pressure	31679	02-Nov-95	Y	4B
Y		83	CAVITY_1	Cavity for Waste Areas	PRMX_LOG	Log of intrinsic permeability, X-direction	31680	20-Feb-96	Y	4B
Y		83	CAVITY_1	Cavity for Waste Areas	PRMX_LOG	Log of intrinsic permeability, X-direction	31680	20-Feb-96	Y	4B
Y		83	CAVITY_1	Cavity for Waste Areas	PRMX_LOG	Log of intrinsic permeability, X-direction	31680	20-Feb-96	Y	4B
Y		84	CAVITY_1	Cavity for Waste Areas	PRMY_LOG	Log of intrinsic permeability, Y-direction	31681	20-Feb-96	Y	4B
Y		84	CAVITY_1	Cavity for Waste Areas	PRMY_LOG	Log of intrinsic permeability, Y-direction	31681	20-Feb-96	-Y	4B
Y		84	CAVITY_1	Cavity for Waste Areas	PRMY_LOG	Log of intrinsic permeability, Y-direction	31681	20-Feb-96	Y	4B
Y		85	CAVITY_1	Cavity for Waste Areas	PRMZ_LOG	Log of intrinsic permeability, Z-direction	31682	20-Feb-96	Y	4B
Y		85	CAVITY_1	Cavity for Waste Areas	PRMZ_LOG	Log of intrinsic permeability, Z-direction	31682	20-Feb-96	Y	4B
Y		85	CAVITY_1	Cavity for Waste Areas	PRMZ_LOG	Log of intrinsic permeability, Z-direction	31682	20-Feb-96	Y	4B
Y		88	CAVITY_1	Cavity for Waste Areas	REL_P_MOD	Model number, relative permeability model	31685	02-Nov-95	Y	4B
Y		88	CAVITY_1	Cavity for Waste Areas	REL_P_MOD	Model number, relative permeability model	31685	02-Nov-95	Y	4B
Y		88	CAVITY_1	Cavity for Waste Areas	REL_P_MOD	Model number, relative permeability model	31685	02-Nov-95	Y	4B
Y		89	CAVITY_1	Cavity for Waste Areas	SAT_RBRN	Residual Brine Saturation	31687	17-Feb-96	Y	4B
Y		89	CAVITY_1	Cavity for Waste Areas	SAT_RBRN	Residual Brine Saturation	31687	17-Feb-96	Y	4B
Y		89	CAVITY_1	Cavity for Waste Areas	SAT_RBRN	Residual Brine Saturation	31687	17-Feb-96	Y	4B
Y		90	CAVITY_1	Cavity for Waste Areas	SAT_RGAS	Residual Gas Saturation	31688	17-Feb-96	Y	4B

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
76	3,5	CONSTANT	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	NONE	WPO35597	Y	N/A
76	3,5	CONSTANT	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	NONE	WPO40514	Y	N/A
77	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Pa ⁻¹	MEMO:VAUGHN/ TIERNEY-9	Y	N/A
77	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Pa ⁻¹	WPO35597	Y	N/A
77	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Pa ⁻¹	WPO40514	Y	N/A
78	3,5	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	MEMO:VAUGHN/ TIERNEY-9	Y	N/A
78	3,5	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO35597	Y	N/A
78	3,5	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO40514	Y	N/A
79	3,5	CONSTANT	7.000000E-01	7.000000E-01	7.000000E-01	7.000000E-01	NONE	MEMO:VAUGHN/ TIERNEY-9	Y	N/A
79	3,5	CONSTANT	7.000000E-01	7.000000E-01	7.000000E-01	7.000000E-01	NONE	WPO35597	Y	N/A
79	3,5	CONSTANT	7.000000E-01	7.000000E-01	7.000000E-01	7.000000E-01	NONE	WPO40514	Y	N/A
80	3,5	CONSTANT	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	NONE	MEMO:VAUGHN/ TIERNEY-9	Y	N/A
80	3,5	CONSTANT	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	NONE	WPO35597	Y	N/A
80	3,5	CONSTANT	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	NONE	WPO40514	Y	N/A
81	3,5	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO35597	Y	N/A
81	3,5	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO36051	Y	N/A
81	3,5	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO40514	Y	N/A
82	1,3,5	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	MEMO:VAUGHN/ TIERNEY-9	Y	N/A
82	1,3,5	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO35597	Y	N/A
82	1,3,5	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO40514	Y	N/A
83	3,5	CONSTANT	-1.000000E+01	-1.000000E+01	-1.000000E+01	-1.000000E+01	log(m ²)	MEMO:VAUGHN/ TIERNEY-9	Y	N/A
83	3,5	CONSTANT	-1.000000E+01	-1.000000E+01	-1.000000E+01	-1.000000E+01	log(m ²)	WPO35597	Y	N/A
83	3,5	CONSTANT	-1.000000E+01	-1.000000E+01	-1.000000E+01	-1.000000E+01	log(m ²)	WPO40514	Y	N/A
84	3,5	CONSTANT	-1.000000E+01	-1.000000E+01	-1.000000E+01	-1.000000E+01	log(m ²)	MEMO:VAUGHN/ TIERNEY-9	Y	N/A
84	3,5	CONSTANT	-1.000000E+01	-1.000000E+01	-1.000000E+01	-1.000000E+01	log(m ²)	WPO35597	-Y	N/A
84	3,5	CONSTANT	-1.000000E+01	-1.000000E+01	-1.000000E+01	-1.000000E+01	log(m ²)	WPO40514	Y	N/A
85	3,5	CONSTANT	-1.000000E+01	-1.000000E+01	-1.000000E+01	-1.000000E+01	log(m ²)	MEMO:VAUGHN/ TIERNEY-9	Y	N/A
85	3,5	CONSTANT	-1.000000E+01	-1.000000E+01	-1.000000E+01	-1.000000E+01	log(m ²)	WPO35597	Y	N/A
85	3,5	CONSTANT	-1.000000E+01	-1.000000E+01	-1.000000E+01	-1.000000E+01	log(m ²)	WPO40514	Y	N/A
88	3,5	CONSTANT	4.000000E+00	4.000000E+00	4.000000E+00	4.000000E+00	NONE	MEMO:VAUGHN/ TIERNEY-9	Y	N/A
88	3,5	CONSTANT	4.000000E+00	4.000000E+00	4.000000E+00	4.000000E+00	NONE	WPO35597	Y	N/A
88	3,5	CONSTANT	4.000000E+00	4.000000E+00	4.000000E+00	4.000000E+00	NONE	WPO40514	Y	N/A
89	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	MEMO:VAUGHN/ TIERNEY-9	Y	N/A
89	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35597	Y	N/A
89	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40514	Y	N/A
90	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	MEMO:VAUGHN/ TIERNEY-9	Y	N/A

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 464 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		90	CAVITY_1	Cavity for Waste Areas	SAT_RGAS	Residual Gas Saturation	31688	17-Feb-96	Y	4B
Y		90	CAVITY_1	Cavity for Waste Areas	SAT_RGAS	Residual Gas Saturation	31688	17-Feb-96	Y	4B
Y		91	CAVITY_2	Cavity for Non-waste Areas	CAP_MOD	Model number, capillary pressure model	31692	02-Nov-95	Y	4B
Y		91	CAVITY_2	Cavity for Non-waste Areas	CAP_MOD	Model number, capillary pressure model	31692	02-Nov-95	Y	4B
Y		91	CAVITY_2	Cavity for Non-waste Areas	CAP_MOD	Model number, capillary pressure model	31692	02-Nov-95	Y	4B
Y		92	CAVITY_2	Cavity for Non-waste Areas	COMP_RCK	Bulk Compressibility	31694	02-Nov-95	Y	4B
Y		92	CAVITY_2	Cavity for Non-waste Areas	COMP_RCK	Bulk Compressibility	31694	02-Nov-95	Y	4B
Y		92	CAVITY_2	Cavity for Non-waste Areas	COMP_RCK	Bulk Compressibility	31694	02-Nov-95	Y	4B
Y		93	CAVITY_2	Cavity for Non-waste Areas	PC_MAX	Maximum allowable capillary pressure	31743	02-Nov-95	Y	4B
Y		93	CAVITY_2	Cavity for Non-waste Areas	PC_MAX	Maximum allowable capillary pressure	31743	02-Nov-95	Y	4B
Y		93	CAVITY_2	Cavity for Non-waste Areas	PC_MAX	Maximum allowable capillary pressure	31743	02-Nov-95	Y	4B
Y		94	CAVITY_2	Cavity for Non-waste Areas	PORE_DIS	Brooks-Corey pore distribution parameter	31746	02-Nov-95	Y	4B
Y		94	CAVITY_2	Cavity for Non-waste Areas	PORE_DIS	Brooks-Corey pore distribution parameter	31746	02-Nov-95	Y	4B
Y		94	CAVITY_2	Cavity for Non-waste Areas	PORE_DIS	Brooks-Corey pore distribution parameter	31746	02-Nov-95	Y	4B
Y		95	CAVITY_2	Cavity for Non-waste Areas	POROSITY	Effective porosity	31747	02-Nov-95	Y	4B
Y		95	CAVITY_2	Cavity for Non-waste Areas	POROSITY	Effective porosity	31747	02-Nov-95	Y	4B
Y		95	CAVITY_2	Cavity for Non-waste Areas	POROSITY	Effective porosity	31747	02-Nov-95	Y	4B
Y		96	CAVITY_2	Cavity for Non-waste Areas	PO_MIN	Minimum brine pressure for capillary model KPC=3	31749	02-Nov-95	Y	4B
Y		96	CAVITY_2	Cavity for Non-waste Areas	PO_MIN	Minimum brine pressure for capillary model KPC=3	31749	02-Nov-95	Y	4B
Y		96	CAVITY_2	Cavity for Non-waste Areas	PO_MIN	Minimum brine pressure for capillary model KPC=3	31749	02-Nov-95	Y	4B
Y		96	CAVITY_2	Cavity for Non-waste Areas	PO_MIN	Minimum brine pressure for capillary model KPC=3	31749	02-Nov-95	Y	4B
Y		97	CAVITY_2	Cavity for Non-waste Areas	PRESSURE	Brine far-field pore pressure	31750	02-Nov-95	Y	4B
Y		97	CAVITY_2	Cavity for Non-waste Areas	PRESSURE	Brine far-field pore pressure	31750	02-Nov-95	Y	4B
Y		97	CAVITY_2	Cavity for Non-waste Areas	PRESSURE	Brine far-field pore pressure	31750	02-Nov-95	Y	4B
Y		98	CAVITY_2	Cavity for Non-waste Areas	PRMX_LOG	Log of intrinsic permeability, X-direction	31751	17-Feb-96	-Y	4B
Y		98	CAVITY_2	Cavity for Non-waste Areas	PRMX_LOG	Log of intrinsic permeability, X-direction	31751	17-Feb-96	Y	4B
Y		98	CAVITY_2	Cavity for Non-waste Areas	PRMX_LOG	Log of intrinsic permeability, X-direction	31751	17-Feb-96	Y	4B
Y		99	CAVITY_2	Cavity for Non-waste Areas	PRMY_LOG	Log of intrinsic permeability, Y-direction	31752	17-Feb-96	Y	4B
Y		99	CAVITY_2	Cavity for Non-waste Areas	PRMY_LOG	Log of intrinsic permeability, Y-direction	31752	17-Feb-96	Y	4B
Y		99	CAVITY_2	Cavity for Non-waste Areas	PRMY_LOG	Log of intrinsic permeability, Y-direction	31752	17-Feb-96	Y	4B
Y		100	CAVITY_2	Cavity for Non-waste Areas	PRMZ_LOG	Log of intrinsic permeability, Z-direction	31754	17-Feb-96	Y	4B
Y		100	CAVITY_2	Cavity for Non-waste Areas	PRMZ_LOG	Log of intrinsic permeability, Z-direction	31754	17-Feb-96	Y	4B
Y		100	CAVITY_2	Cavity for Non-waste Areas	PRMZ_LOG	Log of intrinsic permeability, Z-direction	31754	17-Feb-96	Y	4B
Y		103	CAVITY_2	Cavity for Non-waste Areas	RELP_MOD	Model number, relative permeability model	31759	02-Nov-95	Y	4B
Y		103	CAVITY_2	Cavity for Non-waste Areas	RELP_MOD	Model number, relative permeability model	31759	02-Nov-95	Y	4B
Y		103	CAVITY_2	Cavity for Non-waste Areas	RELP_MOD	Model number, relative permeability model	31759	02-Nov-95	Y	4B

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
90	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35597	Y	N/A
90	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40514	Y	N/A
91	1,3	CONSTANT	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	NONE	MEMO:VAUGHN/ TIERNEY-9	Y	N/A
91	1,3	CONSTANT	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	NONE	WPO35597	Y	N/A
91	1,3	CONSTANT	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	NONE	WPO40514	Y	N/A
92	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Pa^-1	MEMO:VAUGHN/ TIERNEY-9	Y	N/A
92	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Pa^-1	WPO35597	- Y	N/A
92	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Pa^-1	WPO40514	Y	N/A
93	1,3	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	MEMO:VAUGHN/ TIERNEY-9	Y	N/A
93	1,3	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO35597	Y	N/A
93	1,3	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO40514	Y	N/A
94	1,3	CONSTANT	7.000000E-01	7.000000E-01	7.000000E-01	7.000000E-01	NONE	MEMO:VAUGHN/ TIERNEY-9	Y	N/A
94	1,3	CONSTANT	7.000000E-01	7.000000E-01	7.000000E-01	7.000000E-01	NONE	WPO35597	Y	N/A
94	1,3	CONSTANT	7.000000E-01	7.000000E-01	7.000000E-01	7.000000E-01	NONE	WPO40514	Y	N/A
95	1,3	CONSTANT	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	NONE	MEMO:VAUGHN/ TIERNEY-9	Y	N/A
95	1,3	CONSTANT	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	NONE	WPO35597	Y	N/A
95	1,3	CONSTANT	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	NONE	WPO40514	Y	N/A
96	1,3	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	MEMO:VAUGHN/ TIERNEY-9	Y	N/A
96	1,3	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO35597	Y	N/A
96	1,3	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO36051	Y	N/A
96	1,3	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO40514	Y	N/A
97	1,3	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	MEMO:VAUGHN/ TIERNEY-9	Y	N/A
97	1,3	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO35597	Y	N/A
97	1,3	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO40514	Y	N/A
98	1,3	CONSTANT	-1.000000E+01	-1.000000E+01	-1.000000E+01	-1.000000E+01	log(m^2)	MEMO:VAUGHN/ TIERNEY-9	-Y	N/A
98	1,3	CONSTANT	-1.000000E+01	-1.000000E+01	-1.000000E+01	-1.000000E+01	log(m^2)	WPO35597	Y	N/A
98	1,3	CONSTANT	-1.000000E+01	-1.000000E+01	-1.000000E+01	-1.000000E+01	log(m^2)	WPO40514	Y	N/A
99	1,3	CONSTANT	-1.000000E+01	-1.000000E+01	-1.000000E+01	-1.000000E+01	log(m^2)	MEMO:VAUGHN/ TIERNEY-9	Y	N/A
99	1,3	CONSTANT	-1.000000E+01	-1.000000E+01	-1.000000E+01	-1.000000E+01	log(m^2)	WPO35597	Y	N/A
99	1,3	CONSTANT	-1.000000E+01	-1.000000E+01	-1.000000E+01	-1.000000E+01	log(m^2)	WPO40514	Y	N/A
100	1,3	CONSTANT	-1.000000E+01	-1.000000E+01	-1.000000E+01	-1.000000E+01	log(m^2)	MEMO:VAUGHN/ TIERNEY-9	Y	N/A
100	1,3	CONSTANT	-1.000000E+01	-1.000000E+01	-1.000000E+01	-1.000000E+01	log(m^2)	WPO35597	Y	N/A
100	1,3	CONSTANT	-1.000000E+01	-1.000000E+01	-1.000000E+01	-1.000000E+01	log(m^2)	WPO40514	Y	N/A
103	1,3	CONSTANT	4.000000E+00	4.000000E+00	4.000000E+00	4.000000E+00	NONE	MEMO:VAUGHN/ TIERNEY-9	Y	N/A
103	1,3	CONSTANT	4.000000E+00	4.000000E+00	4.000000E+00	4.000000E+00	NONE	WPO35597	Y	N/A
103	1,3	CONSTANT	4.000000E+00	4.000000E+00	4.000000E+00	4.000000E+00	NONE	WPO40514	Y	N/A

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 454 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		104	CAVITY_2	Cavity for Non-waste Areas	SAT_RBRN	Residual Brine Saturation	31761	17-Feb-96	Y	4B
Y		104	CAVITY_2	Cavity for Non-waste Areas	SAT_RBRN	Residual Brine Saturation	31761	17-Feb-96	Y	4B
Y		104	CAVITY_2	Cavity for Non-waste Areas	SAT_RBRN	Residual Brine Saturation	31761	17-Feb-96	Y	4B
Y		105	CAVITY_2	Cavity for Non-waste Areas	SAT_RGAS	Residual Gas Saturation	31763	17-Feb-96	Y	4B
Y		105	CAVITY_2	Cavity for Non-waste Areas	SAT_RGAS	Residual Gas Saturation	31763	17-Feb-96	Y	4B
Y		105	CAVITY_2	Cavity for Non-waste Areas	SAT_RGAS	Residual Gas Saturation	31763	17-Feb-96	Y	4B
Y	0.03	106	CF252	Californium 252	ATWEIGHT	Atomic Weight in kg/mole	31828	02-Nov-95	Y	3
Y	0.03	106	CF252	Californium 252	ATWEIGHT	Atomic Weight in kg/mole	31828	02-Nov-95	Y	3
Y	0.03	106	CF252	Californium 252	ATWEIGHT	Atomic Weight in kg/mole	31828	02-Nov-95	Y	3
Y	100	107	CF252	Californium 252	HALFLIFE	Half-life	31829	16-Apr-96	Y	3
Y	100	107	CF252	Californium 252	HALFLIFE	Half-life	31829	16-Apr-96	Y	3
Y	100	107	CF252	Californium 252	HALFLIFE	Half-life	31829	16-Apr-96	Y	3
Y		108	CF252	Californium 252	INVCHD	Inventory of Contact Handled Design	31830A	29-Oct-96	Y	2
Y		108	CF252	Californium 252	INVCHD	Inventory of Contact Handled Design	31830A	29-Oct-96	Y	2
Y		108	CF252	Californium 252	INVCHD	Inventory of Contact Handled Design	31830A	29-Oct-96	Y	2
Y		108	CF252	Californium 252	INVCHD	Inventory of Contact Handled Design	31830A	29-Oct-96	Y	2
Y		109	CF252	Californium 252	INVRHD	Inventory of Remote Handled Design	31831A	29-Oct-96	Y	2
Y		109	CF252	Californium 252	INVRHD	Inventory of Remote Handled Design	31831A	29-Oct-96	Y	2
Y		109	CF252	Californium 252	INVRHD	Inventory of Remote Handled Design	31831A	29-Oct-96	Y	2
Y		109	CF252	Californium 252	INVRHD	Inventory of Remote Handled Design	31831A	29-Oct-96	Y	2
Y	0.03	110	CM244	Curium 244	ATWEIGHT	Atomic Weight in kg/mole	32331	02-Nov-95	Y	3
Y	0.03	110	CM244	Curium 244	ATWEIGHT	Atomic Weight in kg/mole	32331	02-Nov-95	Y	3
Y	0.03	110	CM244	Curium 244	ATWEIGHT	Atomic Weight in kg/mole	32331	02-Nov-95	Y	3
Y	100	111	CM244	Curium 244	HALFLIFE	Half-life	32495	16-Apr-96	Y	3
Y	100	111	CM244	Curium 244	HALFLIFE	Half-life	32495	16-Apr-96	Y	3
Y	100	111	CM244	Curium 244	HALFLIFE	Half-life	32495	16-Apr-96	Y	3
Y		112	CM244	Curium 244	INVCHD	Inventory of Contact Handled Design	32496A	29-Oct-96	Y	2
Y		112	CM244	Curium 244	INVCHD	Inventory of Contact Handled Design	32496A	29-Oct-96	Y	2
Y		112	CM244	Curium 244	INVCHD	Inventory of Contact Handled Design	32496A	29-Oct-96	Y	2
Y		112	CM244	Curium 244	INVCHD	Inventory of Contact Handled Design	32496A	29-Oct-96	Y	2
Y		113	CM244	Curium 244	INVRHD	Inventory of Remote Handled Design	32497A	29-Oct-96	Y	2
Y		113	CM244	Curium 244	INVRHD	Inventory of Remote Handled Design	32497A	29-Oct-96	Y	2
Y		113	CM244	Curium 244	INVRHD	Inventory of Remote Handled Design	32497A	29-Oct-96	Y	2
Y		113	CM244	Curium 244	INVRHD	Inventory of Remote Handled Design	32497A	29-Oct-96	Y	2
Y	100	115	CM248	Curium 248	HALFLIFE	Half-life	32499	16-Apr-96	Y	3
Y	100	115	CM248	Curium 248	HALFLIFE	Half-life	32499	16-Apr-96	Y	3
Y	100	115	CM248	Curium 248	HALFLIFE	Half-life	32499	16-Apr-96	Y	3
Y	0.07	116	CS137	Cesium 137	ATWEIGHT	Atomic Weight in kg/mole	32332	02-Nov-95	Y	3
Y	0.07	116	CS137	Cesium 137	ATWEIGHT	Atomic Weight in kg/mole	32332	02-Nov-95	Y	3
Y	0.07	116	CS137	Cesium 137	ATWEIGHT	Atomic Weight in kg/mole	32332	02-Nov-95	Y	3
Y	100	117	CS137	Cesium 137	HALFLIFE	Half-life	32682	16-Apr-96	Y	3
Y	100	117	CS137	Cesium 137	HALFLIFE	Half-life	32682	16-Apr-96	Y	3
Y	100	117	CS137	Cesium 137	HALFLIFE	Half-life	32682	16-Apr-96	Y	3

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
104	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	MEMO:VAUGHN/TIERNEY-9	Y	N/A
104	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35597	Y	N/A
104	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40514	Y	N/A
105	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	MEMO:VAUGHN/TIERNEY-9	Y	N/A
105	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35597	Y	N/A
105	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40514	Y	N/A
106	4	CONSTANT	2.5208200E-01	2.5208200E-01	2.5208200E-01	2.5208200E-01	kg/mole	CRC-72	Y	N/A
106	4	CONSTANT	2.5208200E-01	2.5208200E-01	2.5208200E-01	2.5208200E-01	kg/mole	WPO36298	Y	N/A
106	4	CONSTANT	2.5208200E-01	2.5208200E-01	2.5208200E-01	2.5208200E-01	kg/mole	WPO36301	Y	N/A
107	4	CONSTANT	8.3250000E+07	8.3250000E+07	8.3250000E+07	8.3250000E+07	s	WPO36301	Y	N/A
107	4	CONSTANT	8.3250000E+07	8.3250000E+07	8.3250000E+07	8.3250000E+07	s	WPO37404	Y	N/A
107	4	CONSTANT	8.3250000E+07	8.3250000E+07	8.3250000E+07	8.3250000E+07	s	WPO40434	Y	N/A
108	2	CONSTANT	1.1200000E-04	1.1200000E-04	1.1200000E-04	1.1200000E-04	Ci	WPO37061	Y	N/A
108	2	CONSTANT	1.1200000E-04	1.1200000E-04	1.1200000E-04	1.1200000E-04	Ci	WPO39260	Y	N/A
108	2	CONSTANT	1.1200000E-04	1.1200000E-04	1.1200000E-04	1.1200000E-04	Ci	WPO41559	Y	N/A
108	2	CONSTANT	1.1200000E-04	1.1200000E-04	1.1200000E-04	1.1200000E-04	Ci	WPO41560	Y	N/A
109	2	CONSTANT	5.9600000E-05	5.9600000E-05	5.9600000E-05	5.9600000E-05	Ci	WPO37061	Y	N/A
109	2	CONSTANT	5.9600000E-05	5.9600000E-05	5.9600000E-05	5.9600000E-05	Ci	WPO39260	Y	N/A
109	2	CONSTANT	5.9600000E-05	5.9600000E-05	5.9600000E-05	5.9600000E-05	Ci	WPO41559	Y	N/A
109	2	CONSTANT	5.9600000E-05	5.9600000E-05	5.9600000E-05	5.9600000E-05	Ci	WPO41560	Y	N/A
110	4	CONSTANT	2.4406300E-01	2.4406300E-01	2.4406300E-01	2.4406300E-01	kg/mole	CRC-72	Y	N/A
110	4	CONSTANT	2.4406300E-01	2.4406300E-01	2.4406300E-01	2.4406300E-01	kg/mole	WPO36298	Y	N/A
110	4	CONSTANT	2.4406300E-01	2.4406300E-01	2.4406300E-01	2.4406300E-01	kg/mole	WPO36301	Y	N/A
111	4	CONSTANT	5.7150000E+08	5.7150000E+08	5.7150000E+08	5.7150000E+08	s	WPO36301	Y	N/A
111	4	CONSTANT	5.7150000E+08	5.7150000E+08	5.7150000E+08	5.7150000E+08	s	WPO37404	Y	N/A
111	4	CONSTANT	5.7150000E+08	5.7150000E+08	5.7150000E+08	5.7150000E+08	s	WPO40434	Y	N/A
112	2	CONSTANT	7.3600000E+03	7.3600000E+03	7.3600000E+03	7.3600000E+03	Ci	WPO37061	Y	N/A
112	2	CONSTANT	7.3600000E+03	7.3600000E+03	7.3600000E+03	7.3600000E+03	Ci	WPO39260	Y	N/A
112	2	CONSTANT	7.3600000E+03	7.3600000E+03	7.3600000E+03	7.3600000E+03	Ci	WPO41559	Y	N/A
112	2	CONSTANT	7.3600000E+03	7.3600000E+03	7.3600000E+03	7.3600000E+03	Ci	WPO41560	Y	N/A
113	2	CONSTANT	7.3600000E+01	7.3600000E+01	7.3600000E+01	7.3600000E+01	Ci	WPO37061	Y	N/A
113	2	CONSTANT	7.3600000E+01	7.3600000E+01	7.3600000E+01	7.3600000E+01	Ci	WPO39260	Y	N/A
113	2	CONSTANT	7.3600000E+01	7.3600000E+01	7.3600000E+01	7.3600000E+01	Ci	WPO41559	Y	N/A
113	2	CONSTANT	7.3600000E+01	7.3600000E+01	7.3600000E+01	7.3600000E+01	Ci	WPO41560	Y	N/A
115	4	CONSTANT	1.0700000E+13	1.0700000E+13	1.0700000E+13	1.0700000E+13	s	WPO36301	Y	N/A
115	4	CONSTANT	1.0700000E+13	1.0700000E+13	1.0700000E+13	1.0700000E+13	s	WPO37404	Y	N/A
115	4	CONSTANT	1.0700000E+13	1.0700000E+13	1.0700000E+13	1.0700000E+13	s	WPO40434	Y	N/A
116	4	CONSTANT	1.3690700E-01	1.3690700E-01	1.3690700E-01	1.3690700E-01	kg/mole	CRC-72	Y	N/A
116	4	CONSTANT	1.3690700E-01	1.3690700E-01	1.3690700E-01	1.3690700E-01	kg/mole	WPO36298	Y	N/A
116	4	CONSTANT	1.3690700E-01	1.3690700E-01	1.3690700E-01	1.3690700E-01	kg/mole	WPO36301	Y	N/A
117	4	CONSTANT	9.4670000E+08	9.4670000E+08	9.4670000E+08	9.4670000E+08	s	WPO36301	Y	N/A
117	4	CONSTANT	9.4670000E+08	9.4670000E+08	9.4670000E+08	9.4670000E+08	s	WPO37404	Y	N/A
117	4	CONSTANT	9.4670000E+08	9.4670000E+08	9.4670000E+08	9.4670000E+08	s	WPO40434	Y	N/A

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 454 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		118	CS137	Cesium 137	INVRHD	Inventory of Remote Handled Design	32684A	29-Oct-96	Y	2
Y		118	CS137	Cesium 137	INVRHD	Inventory of Remote Handled Design	32684A	29-Oct-96	Y	2
Y		118	CS137	Cesium 137	INVRHD	Inventory of Remote Handled Design	32684A	29-Oct-96	Y	2
Y		118	CS137	Cesium 137	INVRHD	Inventory of Remote Handled Design	32684A	29-Oct-96	Y	2
Y		119	CULEBRA	Culebra member of the Rustler formation	CAP_MOD	Model number, capillary pressure model	32686	01-Nov-95	Y	4B
Y		119	CULEBRA	Culebra member of the Rustler formation	CAP_MOD	Model number, capillary pressure model	32686	01-Nov-95	Y	4B
Y		119	CULEBRA	Culebra member of the Rustler formation	CAP_MOD	Model number, capillary pressure model	32686	01-Nov-95	Y	4B
Y	86.79	120	CULEBRA	Culebra member of the Rustler formation	COMP_RCK	Bulk Compressibility	32688	01-Nov-95	Y	4B
Y	86.79	120	CULEBRA	Culebra member of the Rustler formation	COMP_RCK	Bulk Compressibility	32688	01-Nov-95	Y	4B
Y	86.79	120	CULEBRA	Culebra member of the Rustler formation	COMP_RCK	Bulk Compressibility	32688	01-Nov-95	Y	4B
Y	86.79	120	CULEBRA	Culebra member of the Rustler formation	COMP_RCK	Bulk Compressibility	32688	01-Nov-95	Y	4B
Y	86.79	120	CULEBRA	Culebra member of the Rustler formation	COMP_RCK	Bulk Compressibility	32688	01-Nov-95	Y	4B
Y		137	CULEBRA	Culebra member of the Rustler formation	PC_MAX	Maximum allowable capillary pressure	32755	01-Nov-95	Y	4B
Y		137	CULEBRA	Culebra member of the Rustler formation	PC_MAX	Maximum allowable capillary pressure	32755	01-Nov-95	Y	4B
Y		137	CULEBRA	Culebra member of the Rustler formation	PC_MAX	Maximum allowable capillary pressure	32755	01-Nov-95	Y	4B
Y		139	CULEBRA	Culebra member of the Rustler formation	PORE_DIS	Brooks-Corey pore distribution parameter	32764	20-Feb-96	Y	4B
Y		139	CULEBRA	Culebra member of the Rustler formation	PORE_DIS	Brooks-Corey pore distribution parameter	32764	20-Feb-96	Y	4B
Y		139	CULEBRA	Culebra member of the Rustler formation	PORE_DIS	Brooks-Corey pore distribution parameter	32764	20-Feb-96	Y	4B
Y		140	CULEBRA	Culebra member of the Rustler formation	POROSITY	Effective porosity	32769	01-Feb-96	Y	1
Y		140	CULEBRA	Culebra member of the Rustler formation	POROSITY	Effective porosity	32769	01-Feb-96	Y	1
Y		141	CULEBRA	Culebra member of the Rustler formation	PO_MIN	Minimum brine pressure for capillary model KPC=3	32772	21-Feb-96	Y	4B
Y		141	CULEBRA	Culebra member of the Rustler formation	PO_MIN	Minimum brine pressure for capillary model KPC=3	32772	21-Feb-96	Y	4B
Y		141	CULEBRA	Culebra member of the Rustler formation	PO_MIN	Minimum brine pressure for capillary model KPC=3	32772	21-Feb-96	Y	4B
Y		142	CULEBRA	Culebra member of the Rustler formation	PRESSURE	Brine far-field pore pressure	32774	08-Feb-96	Y	1
Y		142	CULEBRA	Culebra member of the Rustler formation	PRESSURE	Brine far-field pore pressure	32774	08-Feb-96	Y	1
Y		142	CULEBRA	Culebra member of the Rustler formation	PRESSURE	Brine far-field pore pressure	32774	08-Feb-96	Y	1

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NOA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
118	2	CONSTANT	8.9800000E+04	8.9800000E+04	8.9800000E+04	8.9800000E+04	Ci	WPO37061	Y	N/A
118	2	CONSTANT	8.9800000E+04	8.9800000E+04	8.9800000E+04	8.9800000E+04	Ci	WPO39260	Y	N/A
118	2	CONSTANT	8.9800000E+04	8.9800000E+04	8.9800000E+04	8.9800000E+04	Ci	WPO41559	Y	N/A
118	2	CONSTANT	8.9800000E+04	8.9800000E+04	8.9800000E+04	8.9800000E+04	Ci	WPO41560	Y	N/A
119	1,3,4	CONSTANT	2.0000000E+00	2.0000000E+00	2.0000000E+00	2.0000000E+00	NONE	WPO31041	Y	N/A
119	1,3,4	CONSTANT	2.0000000E+00	2.0000000E+00	2.0000000E+00	2.0000000E+00	NONE	WPO35597	Y	N/A
119	1,3,4	CONSTANT	2.0000000E+00	2.0000000E+00	2.0000000E+00	2.0000000E+00	NONE	WPO40514	Y	N/A
120	4	CONSTANT	1.0000000E-10	1.0000000E-10	1.0000000E-10	1.0000000E-10	Pa^-1	FREEZE-1	Y&N	1
120	4	CONSTANT	1.0000000E-10	1.0000000E-10	1.0000000E-10	1.0000000E-10	Pa^-1	WPO35597	Y&N	1
120	4	CONSTANT	1.0000000E-10	1.0000000E-10	1.0000000E-10	1.0000000E-10	Pa^-1	WPO38568	Y&N	1
120	4	CONSTANT	1.0000000E-10	1.0000000E-10	1.0000000E-10	1.0000000E-10	Pa^-1	WPO40434	Y&N	1
120	4	CONSTANT	1.0000000E-10	1.0000000E-10	1.0000000E-10	1.0000000E-10	Pa^-1	WPO40514	Y&N	1
137	3,5	CONSTANT	1.0000000E+08	1.0000000E+08	1.0000000E+08	1.0000000E+08	Pa	WPO31041	Y	N/A
137	3,5	CONSTANT	1.0000000E+08	1.0000000E+08	1.0000000E+08	1.0000000E+08	Pa	WPO35597	Y	N/A
137	3,5	CONSTANT	1.0000000E+08	1.0000000E+08	1.0000000E+08	1.0000000E+08	Pa	WPO40514	Y	N/A
139	1,3,4	CONSTANT	6.4360000E-01	6.4360000E-01	6.4360000E-01	6.4360000E-01	NONE	WPO31041	Y	N/A
139	1,3,4	CONSTANT	6.4360000E-01	6.4360000E-01	6.4360000E-01	6.4360000E-01	NONE	WPO35597	Y	N/A
139	1,3,4	CONSTANT	6.4360000E-01	6.4360000E-01	6.4360000E-01	6.4360000E-01	NONE	WPO40514	Y	N/A
140	1	CONSTANT	1.5100000E-01	1.5100000E-01	1.5100000E-01	1.5100000E-01	NONE	WPO30608	Y&N	1
140	1	CONSTANT	1.5100000E-01	1.5100000E-01	1.5100000E-01	1.5100000E-01	NONE	WPO35597	Y&N	1
141	3,5	CONSTANT	1.0132500E+05	1.0132500E+05	1.0132500E+05	1.0132500E+05	Pa	WPO35597	Y	N/A
141	3,5	CONSTANT	1.0132500E+05	1.0132500E+05	1.0132500E+05	1.0132500E+05	Pa	WPO36051	Y	N/A
141	3,5	CONSTANT	1.0132500E+05	1.0132500E+05	1.0132500E+05	1.0132500E+05	Pa	WPO40514	Y	N/A
142	1	CONSTANT	8.2200000E+05	8.2200000E+05	8.2200000E+05	8.2200000E+05	Pa	WPO30713	N	1
142	1	CONSTANT	8.2200000E+05	8.2200000E+05	8.2200000E+05	8.2200000E+05	Pa	WPO32290	N	1
142	1	CONSTANT	8.2200000E+05	8.2200000E+05	8.2200000E+05	8.2200000E+05	Pa	WPO35597	N	1

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 464 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		143	CULEBRA	Culebra member of the Rustler formation	PRMX_LOG	Log of intrinsic permeability, X-direction	32775	13-Feb-96	Y	1
Y		143	CULEBRA	Culebra member of the Rustler formation	PRMX_LOG	Log of intrinsic permeability, X-direction	32775	13-Feb-96	Y	1
Y		144	CULEBRA	Culebra member of the Rustler formation	PRMY_LOG	Log of intrinsic permeability, Y-direction	32776	13-Feb-96	Y	1
Y		144	CULEBRA	Culebra member of the Rustler formation	PRMY_LOG	Log of intrinsic permeability, Y-direction	32776	13-Feb-96	Y	1
Y		145	CULEBRA	Culebra member of the Rustler formation	PRMZ_LOG	Log of intrinsic permeability, Z-direction	32777	13-Feb-96	Y	1
Y		145	CULEBRA	Culebra member of the Rustler formation	PRMZ_LOG	Log of intrinsic permeability, Z-direction	32777	13-Feb-96	Y	1
Y		148	CULEBRA	Culebra member of the Rustler formation	REL_P_MOD	Model number, relative permeability model	32780	01-Nov-95	Y	4B
Y		148	CULEBRA	Culebra member of the Rustler formation	REL_P_MOD	Model number, relative permeability model	32780	01-Nov-95	Y	4B
Y		149	CULEBRA	Culebra member of the Rustler formation	SAT_IBRN	Initial Brine Saturation	32781	01-Nov-95	Y	4B
Y		149	CULEBRA	Culebra member of the Rustler formation	SAT_IBRN	Initial Brine Saturation	32781	01-Nov-95	Y	4B
Y		150	CULEBRA	Culebra member of the Rustler formation	SAT_RBRN	Residual Brine Saturation	32782	22-Feb-96	Y	4B
Y		150	CULEBRA	Culebra member of the Rustler formation	SAT_RBRN	Residual Brine Saturation	32782	22-Feb-96	Y	4B
Y		150	CULEBRA	Culebra member of the Rustler formation	SAT_RBRN	Residual Brine Saturation	32782	22-Feb-96	Y	4B
Y		151	CULEBRA	Culebra member of the Rustler formation	SAT_RGAS	Residual Gas Saturation	32783	20-Feb-96	Y	4B
Y		151	CULEBRA	Culebra member of the Rustler formation	SAT_RGAS	Residual Gas Saturation	32783	20-Feb-96	Y	4B
Y		151	CULEBRA	Culebra member of the Rustler formation	SAT_RGAS	Residual Gas Saturation	32783	20-Feb-96	Y	4B
Y	50	153	DEWYLAKE	Dewey Lake Red Beds	CAP_MOD	Model number, capillary pressure model	32797	20-Feb-96	Y	4B
Y	50	153	DEWYLAKE	Dewey Lake Red Beds	CAP_MOD	Model number, capillary pressure model	32797	20-Feb-96	Y	4B
Y	50	153	DEWYLAKE	Dewey Lake Red Beds	CAP_MOD	Model number, capillary pressure model	32797	20-Feb-96	Y	4B
Y		154	DEWYLAKE	Dewey Lake Red Beds	COMP_RCK	Bulk Compressibility	32802	01-Nov-95	Y	4B
Y		154	DEWYLAKE	Dewey Lake Red Beds	COMP_RCK	Bulk Compressibility	32802	01-Nov-95	Y	4B
Y		156	DEWYLAKE	Dewey Lake Red Beds	PC_MAX	Maximum allowable capillary pressure	32728	01-Nov-95	Y	4B
Y		156	DEWYLAKE	Dewey Lake Red Beds	PC_MAX	Maximum allowable capillary pressure	32728	01-Nov-95	Y	4B
Y		156	DEWYLAKE	Dewey Lake Red Beds	PC_MAX	Maximum allowable capillary pressure	32728	01-Nov-95	Y	4B
Y		157	DEWYLAKE	Dewey Lake Red Beds	PORE_DIS	Brooks-Corey pore distribution parameter	32730	20-Feb-96	Y	4B
Y		157	DEWYLAKE	Dewey Lake Red Beds	PORE_DIS	Brooks-Corey pore distribution parameter	32730	20-Feb-96	Y	4B
Y		157	DEWYLAKE	Dewey Lake Red Beds	PORE_DIS	Brooks-Corey pore distribution parameter	32730	20-Feb-96	Y	4B
Y		158	DEWYLAKE	Dewey Lake Red Beds	POROSITY	Effective porosity	32731	20-Feb-96	Y	1
Y		158	DEWYLAKE	Dewey Lake Red Beds	POROSITY	Effective porosity	32731	20-Feb-96	Y	1

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
143	1	CONSTANT	-1.3678000E+01	-1.3678000E+01	-1.3678000E+01	-1.3678000E+01	log(m ²)	WPO35266	N	1
143	1	CONSTANT	-1.3678000E+01	-1.3678000E+01	-1.3678000E+01	-1.3678000E+01	log(m ²)	WPO35597	N	1
144	1	CONSTANT	-1.3678000E+01	-1.3678000E+01	-1.3678000E+01	-1.3678000E+01	log(m ²)	WPO35266	N	1
144	1	CONSTANT	-1.3678000E+01	-1.3678000E+01	-1.3678000E+01	-1.3678000E+01	log(m ²)	WPO35597	N	1
145	1	CONSTANT	-1.3678000E+01	-1.3678000E+01	-1.3678000E+01	-1.3678000E+01	log(m ²)	WPO35266	N	1
145	1	CONSTANT	-1.3678000E+01	-1.3678000E+01	-1.3678000E+01	-1.3678000E+01	log(m ²)	WPO35597	N	1
148	1,3,4	CONSTANT	4.0000000E+00	4.0000000E+00	4.0000000E+00	4.0000000E+00	NONE	WPO38568	Y	N/A
148	1,3,4	CONSTANT	4.0000000E+00	4.0000000E+00	4.0000000E+00	4.0000000E+00	NONE	WPO40514	Y	N/A
149	1,3,4	CONSTANT	1.0000000E+00	1.0000000E+00	1.0000000E+00	1.0000000E+00	NONE	WPO38568	Y	N/A
149	1,3,4	CONSTANT	1.0000000E+00	1.0000000E+00	1.0000000E+00	1.0000000E+00	NONE	WPO40514	Y	N/A
150	1,3,4	CONSTANT	8.3630000E-02	8.3630000E-02	8.3630000E-02	8.3630000E-02	NONE	WPO31041	Y	N/A
150	1,3,4	CONSTANT	8.3630000E-02	8.3630000E-02	8.3630000E-02	8.3630000E-02	NONE	WPO35597	Y	N/A
150	1,3,4	CONSTANT	8.3630000E-02	8.3630000E-02	8.3630000E-02	8.3630000E-02	NONE	WPO40514	Y	N/A
151	1,3,4	CONSTANT	7.7110000E-02	7.7110000E-02	7.7110000E-02	7.7110000E-02	NONE	WPO31041	Y	N/A
151	1,3,4	CONSTANT	7.7110000E-02	7.7110000E-02	7.7110000E-02	7.7110000E-02	NONE	WPO35597	Y	N/A
151	1,3,4	CONSTANT	7.7110000E-02	7.7110000E-02	7.7110000E-02	7.7110000E-02	NONE	WPO40514	Y	N/A
153	1,3,4	CONSTANT	2.0000000E+00	2.0000000E+00	2.0000000E+00	2.0000000E+00	NONE	WPO31041	Y	N/A
153	1,3,4	CONSTANT	2.0000000E+00	2.0000000E+00	2.0000000E+00	2.0000000E+00	NONE	WPO35597	Y	N/A
153	1,3,4	CONSTANT	2.0000000E+00	2.0000000E+00	2.0000000E+00	2.0000000E+00	NONE	WPO40514	Y	N/A
154	1,3,4	CONSTANT	1.0000000E-08	1.0000000E-08	1.0000000E-08	1.0000000E-08	Pa ⁻¹	WPO38568	Y	N/A
154	1,3,4	CONSTANT	1.0000000E-08	1.0000000E-08	1.0000000E-08	1.0000000E-08	Pa ⁻¹	WPO40514	Y	N/A
156	3,5	CONSTANT	1.0000000E+08	1.0000000E+08	1.0000000E+08	1.0000000E+08	Pa	WPO31041	Y	N/A
156	3,5	CONSTANT	1.0000000E+08	1.0000000E+08	1.0000000E+08	1.0000000E+08	Pa	WPO35597	Y	N/A
156	3,5	CONSTANT	1.0000000E+08	1.0000000E+08	1.0000000E+08	1.0000000E+08	Pa	WPO40514	Y	N/A
157	1,3,4	CONSTANT	6.4360000E-01	6.4360000E-01	6.4360000E-01	6.4360000E-01	NONE	WPO31041	Y	N/A
157	1,3,4	CONSTANT	6.4360000E-01	6.4360000E-01	6.4360000E-01	6.4360000E-01	NONE	WPO35597	Y	N/A
157	1,3,4	CONSTANT	6.4360000E-01	6.4360000E-01	6.4360000E-01	6.4360000E-01	NONE	WPO40514	Y	N/A
158	1	STUDENT	1.4300000E-01	1.4300000E-01	3.5000000E-02	2.4800000E-01	NONE	WPO30608	Y	N/A
158	1	STUDENT	1.4300000E-01	1.4300000E-01	3.5000000E-02	2.4800000E-01	NONE	WPO35597	Y	N/A

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 454 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		158	DEWYLAKE	Dewey Lake Red Beds	POROSITY	Effective porosity	32731	20-Feb-96	Y	1
Y		159	DEWYLAKE	Dewey Lake Red Beds	PO_MIN	Minimum brine pressure for capillary model KPC=3	32732	21-Feb-96	Y	4B
Y		159	DEWYLAKE	Dewey Lake Red Beds	PO_MIN	Minimum brine pressure for capillary model KPC=3	32732	21-Feb-96	Y	4B
Y		159	DEWYLAKE	Dewey Lake Red Beds	PO_MIN	Minimum brine pressure for capillary model KPC=3	32732	21-Feb-96	Y	4B
Y		160	DEWYLAKE	Dewey Lake Red Beds	PRESSURE	Brine far-field pore pressure	32733	08-Feb-96	Y	1
Y		160	DEWYLAKE	Dewey Lake Red Beds	PRESSURE	Brine far-field pore pressure	32733	08-Feb-96	Y	1
Y		160	DEWYLAKE	Dewey Lake Red Beds	PRESSURE	Brine far-field pore pressure	32733	08-Feb-96	Y	1
Y		161	DEWYLAKE	Dewey Lake Red Beds	PRMX_LOG	Log of intrinsic permeability, X-direction	32734	22-Feb-96	Y	1
Y		161	DEWYLAKE	Dewey Lake Red Beds	PRMX_LOG	Log of intrinsic permeability, X-direction	32734	22-Feb-96	Y	1
Y		161	DEWYLAKE	Dewey Lake Red Beds	PRMX_LOG	Log of intrinsic permeability, X-direction	32734	22-Feb-96	Y	1
Y		162	DEWYLAKE	Dewey Lake Red Beds	PRMY_LOG	Log of intrinsic permeability, Y-direction	32735	22-Feb-96	Y	1
Y		162	DEWYLAKE	Dewey Lake Red Beds	PRMY_LOG	Log of intrinsic permeability, Y-direction	32735	22-Feb-96	Y	1
Y		162	DEWYLAKE	Dewey Lake Red Beds	PRMY_LOG	Log of intrinsic permeability, Y-direction	32735	22-Feb-96	Y	1
Y		163	DEWYLAKE	Dewey Lake Red Beds	PRMZ_LOG	Log of intrinsic permeability, Z-direction	32736	22-Feb-96	Y	1
Y		163	DEWYLAKE	Dewey Lake Red Beds	PRMZ_LOG	Log of intrinsic permeability, Z-direction	32736	22-Feb-96	Y	1
Y		163	DEWYLAKE	Dewey Lake Red Beds	PRMZ_LOG	Log of intrinsic permeability, Z-direction	32736	22-Feb-96	Y	1
Y		166	DEWYLAKE	Dewey Lake Red Beds	RELP_MOD	Model number, relative permeability model	32739	01-Nov-95	Y	4B
Y		166	DEWYLAKE	Dewey Lake Red Beds	RELP_MOD	Model number, relative permeability model	32739	01-Nov-95	Y	4B
Y		167	DEWYLAKE	Dewey Lake Red Beds	SAL_USAT	Average saturation, unsaturated zones	32740	16-Apr-97	Y	4B
Y		168	DEWYLAKE	Dewey Lake Red Beds	SAT_IBRN	Initial Brine Saturation	32741	01-Nov-95	Y	4B
Y		168	DEWYLAKE	Dewey Lake Red Beds	SAT_IBRN	Initial Brine Saturation	32741	01-Nov-95	Y	4B
Y		169	DEWYLAKE	Dewey Lake Red Beds	SAT_RBRN	Residual Brine Saturation	32742	22-Feb-96	Y	4B
Y		169	DEWYLAKE	Dewey Lake Red Beds	SAT_RBRN	Residual Brine Saturation	32742	22-Feb-96	Y	4B
Y		169	DEWYLAKE	Dewey Lake Red Beds	SAT_RBRN	Residual Brine Saturation	32742	22-Feb-96	Y	4B
Y		170	DEWYLAKE	Dewey Lake Red Beds	SAT_RGAS	Residual Gas Saturation	32743	20-Feb-96	-Y	4B
Y		170	DEWYLAKE	Dewey Lake Red Beds	SAT_RGAS	Residual Gas Saturation	32743	20-Feb-96	Y	4B
Y		170	DEWYLAKE	Dewey Lake Red Beds	SAT_RGAS	Residual Gas Saturation	32743	20-Feb-96	Y	4B
Y		171	DRILLMUD	Drilling Mud	DNSFLUID	Brine Density	32748	09-Jan-97	Y	4B
Y		171	DRILLMUD	Drilling Mud	DNSFLUID	Brine Density	32748	09-Jan-97	Y	4B
Y		171	DRILLMUD	Drilling Mud	DNSFLUID	Brine Density	32748	09-Jan-97	Y	4B
Y		171	DRILLMUD	Drilling Mud	DNSFLUID	Brine Density	32748	09-Jan-97	Y	4B
Y		171	DRILLMUD	Drilling Mud	DNSFLUID	Brine Density	32748	09-Jan-97	Y	4B
Y		172	DRILLMUD	Drilling Mud	VISCO	Viscosity	32750	09-Jan-97	Y	4B
Y		172	DRILLMUD	Drilling Mud	VISCO	Viscosity	32750	09-Jan-97	Y	4B
Y		172	DRILLMUD	Drilling Mud	VISCO	Viscosity	32750	09-Jan-97	Y	4B
Y		172	DRILLMUD	Drilling Mud	VISCO	Viscosity	32750	09-Jan-97	Y	4B
Y		172	DRILLMUD	Drilling Mud	VISCO	Viscosity	32750	09-Jan-97	Y	4B
Y		173	DRILLMUD	Drilling Mud	YLDSTRSS	Yield Stress Point	32751	09-Jan-97	Y	4B
Y		173	DRILLMUD	Drilling Mud	YLDSTRSS	Yield Stress Point	32751	09-Jan-97	Y	4B
Y		173	DRILLMUD	Drilling Mud	YLDSTRSS	Yield Stress Point	32751	09-Jan-97	Y	4B
Y		173	DRILLMUD	Drilling Mud	YLDSTRSS	Yield Stress Point	32751	09-Jan-97	Y	4B

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
158	1	STUDENT	1.4300000E-01	1.4300000E-01	3.5000000E-02	2.4800000E-01	NONE	WPO36380	Y	N/A
159	3,5	CONSTANT	1.0132500E+05	1.0132500E+05	1.0132500E+05	1.0132500E+05	Pa	WPO35597	Y	N/A
159	3,5	CONSTANT	1.0132500E+05	1.0132500E+05	1.0132500E+05	1.0132500E+05	Pa	WPO36051	Y	N/A
159	3,5	CONSTANT	1.0132500E+05	1.0132500E+05	1.0132500E+05	1.0132500E+05	Pa	WPO40514	Y	N/A
160	3,5	CONSTANT	1.0132500E+05	1.0132500E+05	1.0132500E+05	1.0132500E+05	Pa	WPO30713	Y	1
160	3,5	CONSTANT	1.0132500E+05	1.0132500E+05	1.0132500E+05	1.0132500E+05	Pa	WPO32290	Y	1
160	3,5	CONSTANT	1.0132500E+05	1.0132500E+05	1.0132500E+05	1.0132500E+05	Pa	WPO35597	Y	1
161	1	CONSTANT	-1.6300000E+01	-1.6300000E+01	-1.6300000E+01	-1.6300000E+01	log(m ²)	MEMO:VAUGHN/ TIERNEY-10	Y	1
161	1	CONSTANT	-1.6300000E+01	-1.6300000E+01	-1.6300000E+01	-1.6300000E+01	log(m ²)	WPO30607	Y	1
161	1	CONSTANT	-1.6300000E+01	-1.6300000E+01	-1.6300000E+01	-1.6300000E+01	log(m ²)	WPO35597	Y	1
162	1	CONSTANT	-1.6300000E+01	-1.6300000E+01	-1.6300000E+01	-1.6300000E+01	log(m ²)	MEMO:VAUGHN/ TIERNEY-10	Y	1
162	1	CONSTANT	-1.6300000E+01	-1.6300000E+01	-1.6300000E+01	-1.6300000E+01	log(m ²)	WPO30607	Y	1
162	1	CONSTANT	-1.6300000E+01	-1.6300000E+01	-1.6300000E+01	-1.6300000E+01	log(m ²)	WPO35597	Y	1
163	1	CONSTANT	-1.6300000E+01	-1.6300000E+01	-1.6300000E+01	-1.6300000E+01	log(m ²)	MEMO:VAUGHN/ TIERNEY-10	Y	1
163	1	CONSTANT	-1.6300000E+01	-1.6300000E+01	-1.6300000E+01	-1.6300000E+01	log(m ²)	WPO30607	Y	1
163	1	CONSTANT	-1.6300000E+01	-1.6300000E+01	-1.6300000E+01	-1.6300000E+01	log(m ²)	WPO35597	Y	1
166	1,3,4	CONSTANT	4.0000000E+00	4.0000000E+00	4.0000000E+00	4.0000000E+00	NONE	WPO38568	Y	N/A
166	1,3,4	CONSTANT	4.0000000E+00	4.0000000E+00	4.0000000E+00	4.0000000E+00	NONE	WPO40514	Y	N/A
167	1,3,4	CONSTANT	8.3600000E-02	8.3600000E-02	8.3600000E-02	8.3600000E-02	NONE	NONE	Y	N/A
168	1,3,4	CONSTANT	1.0000000E+00	1.0000000E+00	1.0000000E+00	1.0000000E+00	NONE	WPO38568	Y	N/A
168	1,3,4	CONSTANT	1.0000000E+00	1.0000000E+00	1.0000000E+00	1.0000000E+00	NONE	WPO40514	Y	N/A
169	1,3,4	CONSTANT	8.3630000E-02	8.3630000E-02	8.3630000E-02	8.3630000E-02	NONE	WPO31041	Y	N/A
169	1,3,4	CONSTANT	8.3630000E-02	8.3630000E-02	8.3630000E-02	8.3630000E-02	NONE	WPO35597	Y	N/A
169	1,3,4	CONSTANT	8.3630000E-02	8.3630000E-02	8.3630000E-02	8.3630000E-02	NONE	WPO40514	Y	N/A
170	1,3,4	CONSTANT	7.7110000E-02	7.7110000E-02	7.7110000E-02	7.7110000E-02	NONE	WPO31041	-Y	N/A
170	1,3,4	CONSTANT	7.7110000E-02	7.7110000E-02	7.7110000E-02	7.7110000E-02	NONE	WPO35597	Y	N/A
170	1,3,4	CONSTANT	7.7110000E-02	7.7110000E-02	7.7110000E-02	7.7110000E-02	NONE	WPO40514	Y	N/A
171	3,5	CUMULATIVE	1.2100000E+03	1.2100000E+03	1.1400000E+03	1.3800000E+03	kg/m ³	SAND92-0700/3	Y	N/A
171	3,5	CUMULATIVE	1.2100000E+03	1.2100000E+03	1.1400000E+03	1.3800000E+03	kg/m ³	WPO35268	Y	N/A
171	3,5	CUMULATIVE	1.2100000E+03	1.2100000E+03	1.1400000E+03	1.3800000E+03	kg/m ³	WPO35597	Y	N/A
171	3,5	CUMULATIVE	1.2100000E+03	1.2100000E+03	1.1400000E+03	1.3800000E+03	kg/m ³	WPO38568	Y	N/A
171	3,5	CUMULATIVE	1.2100000E+03	1.2100000E+03	1.1400000E+03	1.3800000E+03	kg/m ³	WPO40521	Y	N/A
172	3,5	CUMULATIVE	1.1000000E-02	9.1700000E-03	5.0000000E-03	3.0000000E-02	Pa*s	SAND92-0700/3	Y	N/A
172	3,5	CUMULATIVE	1.1000000E-02	9.1700000E-03	5.0000000E-03	3.0000000E-02	Pa*s	WPO35268	Y	N/A
172	3,5	CUMULATIVE	1.1000000E-02	9.1700000E-03	5.0000000E-03	3.0000000E-02	Pa*s	WPO35597	Y	N/A
172	3,5	CUMULATIVE	1.1000000E-02	9.1700000E-03	5.0000000E-03	3.0000000E-02	Pa*s	WPO38568	Y	N/A
172	3,5	CUMULATIVE	1.1000000E-02	9.1700000E-03	5.0000000E-03	3.0000000E-02	Pa*s	WPO40521	Y	N/A
173	3,5	CUMULATIVE	5.9800000E+00	4.4000000E+00	2.4000000E+00	1.9200000E+01	Pa	SAND92-0700/3	Y	N/A
173	3,5	CUMULATIVE	5.9800000E+00	4.4000000E+00	2.4000000E+00	1.9200000E+01	Pa	WPO35268	Y	N/A
173	3,5	CUMULATIVE	5.9800000E+00	4.4000000E+00	2.4000000E+00	1.9200000E+01	Pa	WPO35597	Y	N/A
173	3,5	CUMULATIVE	5.9800000E+00	4.4000000E+00	2.4000000E+00	1.9200000E+01	Pa	WPO38568	Y	N/A

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 454 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		173	DRILLMUD	Drilling Mud	YLDSTRSS	Yield Stress Point	32751	09-Jan-97	Y	4B
Y		174	DRZ_0	Disturbed rock zone; time period -5 to 0 years	CAP_MOD	Model number, capillary pressure model	32754	12-Feb-96	Y	4B
Y		174	DRZ_0	Disturbed rock zone; time period -5 to 0 years	CAP_MOD	Model number, capillary pressure model	32754	12-Feb-96	Y	4B
Y		174	DRZ_0	Disturbed rock zone; time period -5 to 0 years	CAP_MOD	Model number, capillary pressure model	32754	12-Feb-96	Y	4B
Y		175	DRZ_0	Disturbed rock zone; time period -5 to 0 years	COMP_RCK	Bulk Compressibility	32758	12-Feb-96	Y	4B
Y		175	DRZ_0	Disturbed rock zone; time period -5 to 0 years	COMP_RCK	Bulk Compressibility	32758	12-Feb-96	Y	4B
Y		175	DRZ_0	Disturbed rock zone; time period -5 to 0 years	COMP_RCK	Bulk Compressibility	32758	12-Feb-96	Y	4B
Y		176	DRZ_0	Disturbed rock zone; time period -5 to 0 years	PC_MAX	Maximum allowable capillary pressure	32834	01-Nov-95	Y	4B
Y		176	DRZ_0	Disturbed rock zone; time period -5 to 0 years	PC_MAX	Maximum allowable capillary pressure	32834	01-Nov-95	Y	4B
Y		177	DRZ_0	Disturbed rock zone; time period -5 to 0 years	PORE_DIS	Brooks-Corey pore distribution parameter	32837	12-Feb-96	Y	4B
Y		177	DRZ_0	Disturbed rock zone; time period -5 to 0 years	PORE_DIS	Brooks-Corey pore distribution parameter	32837	12-Feb-96	Y	4B
Y		177	DRZ_0	Disturbed rock zone; time period -5 to 0 years	PORE_DIS	Brooks-Corey pore distribution parameter	32837	12-Feb-96	Y	4B
Y	varies	178	DRZ_0	Disturbed rock zone; time period -5 to 0 years	POROSITY	Effective porosity	32839	12-Feb-96	Y	4B
Y	varies	178	DRZ_0	Disturbed rock zone; time period -5 to 0 years	POROSITY	Effective porosity	32839	12-Feb-96	Y	4B
Y	varies	178	DRZ_0	Disturbed rock zone; time period -5 to 0 years	POROSITY	Effective porosity	32839	12-Feb-96	Y	4B
Y	varies	178	DRZ_0	Disturbed rock zone; time period -5 to 0 years	POROSITY	Effective porosity	32839	12-Feb-96	Y	4B
Y	varies	178	DRZ_0	Disturbed rock zone; time period -5 to 0 years	POROSITY	Effective porosity	32839	12-Feb-96	Y	4B
Y	varies	178	DRZ_0	Disturbed rock zone; time period -5 to 0 years	POROSITY	Effective porosity	32839	12-Feb-96	Y	4B
Y		179	DRZ_0	Disturbed rock zone; time period -5 to 0 years	PO_MIN	Minimum brine pressure for capillary model KPC=3	32844	21-Feb-96	Y	4B
Y		179	DRZ_0	Disturbed rock zone; time period -5 to 0 years	PO_MIN	Minimum brine pressure for capillary model KPC=3	32844	21-Feb-96	Y	4B
Y		179	DRZ_0	Disturbed rock zone; time period -5 to 0 years	PO_MIN	Minimum brine pressure for capillary model KPC=3	32844	21-Feb-96	Y	4B
Y		181	DRZ_0	Disturbed rock zone; time period -5 to 0 years	PRMX_LOG	Log of intrinsic permeability, X-direction	32847	01-Nov-95	Y	4B
Y		181	DRZ_0	Disturbed rock zone; time period -5 to 0 years	PRMX_LOG	Log of intrinsic permeability, X-direction	32847	01-Nov-95	Y	4B
Y		181	DRZ_0	Disturbed rock zone; time period -5 to 0 years	PRMX_LOG	Log of intrinsic permeability, X-direction	32847	01-Nov-95	Y	4B
Y		181	DRZ_0	Disturbed rock zone; time period -5 to 0 years	PRMX_LOG	Log of intrinsic permeability, X-direction	32847	01-Nov-95	Y	4B

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
173	3,5	CUMULATIVE	5.980000E+00	4.400000E+00	2.400000E+00	1.920000E+01	Pa	WPO40521	Y	N/A
174	3,5	CONSTANT	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	NONE	WPO32288	Y	N/A
174	3,5	CONSTANT	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	NONE	WPO35597	Y	N/A
174	3,5	CONSTANT	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	NONE	WPO40514	Y	N/A
175	1,3,4	CONSTANT	7.410000E-10	7.410000E-10	7.410000E-10	7.410000E-10	Pa^-1	WPO32288	Y	1
175	1,3,4	CONSTANT	7.410000E-10	7.410000E-10	7.410000E-10	7.410000E-10	Pa^-1	WPO35597	Y	1
175	1,3,4	CONSTANT	7.410000E-10	7.410000E-10	7.410000E-10	7.410000E-10	Pa^-1	WPO40514	Y	1
176	3,5	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO38568	Y	N/A
176	3,5	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO40514	Y	N/A
177	1,3,4	CONSTANT	7.000000E-01	7.000000E-01	7.000000E-01	7.000000E-01	NONE	WPO32288	Y	N/A
177	1,3,4	CONSTANT	7.000000E-01	7.000000E-01	7.000000E-01	7.000000E-01	NONE	WPO35597	Y	N/A
177	1,3,4	CONSTANT	7.000000E-01	7.000000E-01	7.000000E-01	7.000000E-01	NONE	WPO40514	Y	N/A
178	1,3,4	CUMULATIVE	1.565000E-02	1.290000E-02	3.900000E-03	3.290000E-02	NONE	WPO32288	Y	N/A
178	1,3,4	CUMULATIVE	1.565000E-02	1.290000E-02	3.900000E-03	3.290000E-02	NONE	WPO35268	Y	N/A
178	1,3,4	CUMULATIVE	1.565000E-02	1.290000E-02	3.900000E-03	3.290000E-02	NONE	WPO35597	Y	N/A
178	1,3,4	CUMULATIVE	1.565000E-02	1.290000E-02	3.900000E-03	3.290000E-02	NONE	WPO40434	Y	N/A
178	1,3,4	CUMULATIVE	1.565000E-02	1.290000E-02	3.900000E-03	3.290000E-02	NONE	WPO40514	Y	N/A
178	1,3,4	CUMULATIVE	1.565000E-02	1.290000E-02	3.900000E-03	3.290000E-02	NONE	WPO42257	Y	N/A
179	3,5	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO35597	Y	N/A
179	3,5	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO36051	Y	N/A
179	3,5	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO40514	Y	N/A
181	1	CONSTANT	-1.700000E+01	-1.700000E+01	-1.700000E+01	-1.700000E+01	log(m^2)	WPO22443	Y	N/A
181	1	CONSTANT	-1.700000E+01	-1.700000E+01	-1.700000E+01	-1.700000E+01	log(m^2)	WPO30994	Y	N/A
181	1	CONSTANT	-1.700000E+01	-1.700000E+01	-1.700000E+01	-1.700000E+01	log(m^2)	WPO32038	Y	N/A
181	1	CONSTANT	-1.700000E+01	-1.700000E+01	-1.700000E+01	-1.700000E+01	log(m^2)	WPO32288	Y	N/A

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 484 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		181	DRZ_0	Disturbed rock zone; time period -5 to 0 years	PRMX_LOG	Log of intrinsic permeability, X-direction	32847	01-Nov-95	Y	4B
Y		181	DRZ_0	Disturbed rock zone; time period -5 to 0 years	PRMX_LOG	Log of intrinsic permeability, X-direction	32847	01-Nov-95	Y	4B
Y		182	DRZ_0	Disturbed rock zone; time period -5 to 0 years	PRMY_LOG	Log of intrinsic permeability, Y-direction	32849	01-Nov-95	Y	4B
Y		182	DRZ_0	Disturbed rock zone; time period -5 to 0 years	PRMY_LOG	Log of intrinsic permeability, Y-direction	32849	01-Nov-95	Y	4B
Y		182	DRZ_0	Disturbed rock zone; time period -5 to 0 years	PRMY_LOG	Log of intrinsic permeability, Y-direction	32849	01-Nov-95	Y	4B
Y		182	DRZ_0	Disturbed rock zone; time period -5 to 0 years	PRMY_LOG	Log of intrinsic permeability, Y-direction	32849	01-Nov-95	Y	4B
Y		182	DRZ_0	Disturbed rock zone; time period -5 to 0 years	PRMY_LOG	Log of intrinsic permeability, Y-direction	32849	01-Nov-95	Y	4B
Y		182	DRZ_0	Disturbed rock zone; time period -5 to 0 years	PRMY_LOG	Log of intrinsic permeability, Y-direction	32849	01-Nov-95	Y	4B
Y		182	DRZ_0	Disturbed rock zone; time period -5 to 0 years	PRMY_LOG	Log of intrinsic permeability, Y-direction	32849	01-Nov-95	Y	4B
Y		183	DRZ_0	Disturbed rock zone; time period -5 to 0 years	PRMZ_LOG	Log of intrinsic permeability, Z-direction	32850	01-Nov-95	Y	4B
Y		183	DRZ_0	Disturbed rock zone; time period -5 to 0 years	PRMZ_LOG	Log of intrinsic permeability, Z-direction	32850	01-Nov-95	Y	4B
Y		183	DRZ_0	Disturbed rock zone; time period -5 to 0 years	PRMZ_LOG	Log of intrinsic permeability, Z-direction	32850	01-Nov-95	Y	4B
Y		183	DRZ_0	Disturbed rock zone; time period -5 to 0 years	PRMZ_LOG	Log of intrinsic permeability, Z-direction	32850	01-Nov-95	Y	4B
Y		183	DRZ_0	Disturbed rock zone; time period -5 to 0 years	PRMZ_LOG	Log of intrinsic permeability, Z-direction	32850	01-Nov-95	Y	4B
Y		183	DRZ_0	Disturbed rock zone; time period -5 to 0 years	PRMZ_LOG	Log of intrinsic permeability, Z-direction	32850	01-Nov-95	Y	4B
Y		186	DRZ_0	Disturbed rock zone; time period -5 to 0 years	RELP_MOD	Model number, relative permeability model	32856	01-Nov-95	Y	4B
Y		186	DRZ_0	Disturbed rock zone; time period -5 to 0 years	RELP_MOD	Model number, relative permeability model	32856	01-Nov-95	Y	4B
Y		187	DRZ_0	Disturbed rock zone; time period -5 to 0 years	SAT_IBRN	Initial Brine Saturation	32857	01-Nov-95	Y	4B
Y		187	DRZ_0	Disturbed rock zone; time period -5 to 0 years	SAT_IBRN	Initial Brine Saturation	32857	01-Nov-95	Y	4B
Y		187	DRZ_0	Disturbed rock zone; time period -5 to 0 years	SAT_IBRN	Initial Brine Saturation	32857	01-Nov-95	Y	4B
Y		188	DRZ_0	Disturbed rock zone; time period -5 to 0 years	SAT_RBRN	Residual Brine Saturation	32860	12-Feb-96	Y	4B
Y		188	DRZ_0	Disturbed rock zone; time period -5 to 0 years	SAT_RBRN	Residual Brine Saturation	32860	12-Feb-96	Y	4B
Y		188	DRZ_0	Disturbed rock zone; time period -5 to 0 years	SAT_RBRN	Residual Brine Saturation	32860	12-Feb-96	Y	4B
Y		189	DRZ_0	Disturbed rock zone; time period -5 to 0 years	SAT_RGAS	Residual Gas Saturation	32862	12-Feb-96	Y	4B
Y		189	DRZ_0	Disturbed rock zone; time period -5 to 0 years	SAT_RGAS	Residual Gas Saturation	32862	12-Feb-96	Y	4B

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
181	1	CONSTANT	-1.700000E+01	-1.700000E+01	-1.700000E+01	-1.700000E+01	log(m^2)	WPO38568	Y	N/A
181	1	CONSTANT	-1.700000E+01	-1.700000E+01	-1.700000E+01	-1.700000E+01	log(m^2)	WPO40514	Y	N/A
182	1	CONSTANT	-1.700000E+01	-1.700000E+01	-1.700000E+01	-1.700000E+01	log(m^2)	WPO22443	Y	N/A
182	1	CONSTANT	-1.700000E+01	-1.700000E+01	-1.700000E+01	-1.700000E+01	log(m^2)	WPO30994	Y	N/A
182	1	CONSTANT	-1.700000E+01	-1.700000E+01	-1.700000E+01	-1.700000E+01	log(m^2)	WPO32038	Y	N/A
182	1	CONSTANT	-1.700000E+01	-1.700000E+01	-1.700000E+01	-1.700000E+01	log(m^2)	WPO32288	Y	N/A
182	1	CONSTANT	-1.700000E+01	-1.700000E+01	-1.700000E+01	-1.700000E+01	log(m^2)	WPO38568	Y	N/A
182	1	CONSTANT	-1.700000E+01	-1.700000E+01	-1.700000E+01	-1.700000E+01	log(m^2)	WPO40514	Y	N/A
183	1	CONSTANT	-1.700000E+01	-1.700000E+01	-1.700000E+01	-1.700000E+01	log(m^2)	WPO22443	Y	N/A
183	1	CONSTANT	-1.700000E+01	-1.700000E+01	-1.700000E+01	-1.700000E+01	log(m^2)	WPO30994	Y	N/A
183	1	CONSTANT	-1.700000E+01	-1.700000E+01	-1.700000E+01	-1.700000E+01	log(m^2)	WPO32038	Y	N/A
183	1	CONSTANT	-1.700000E+01	-1.700000E+01	-1.700000E+01	-1.700000E+01	log(m^2)	WPO32288	Y	N/A
183	1	CONSTANT	-1.700000E+01	-1.700000E+01	-1.700000E+01	-1.700000E+01	log(m^2)	WPO38568	Y	N/A
183	1	CONSTANT	-1.700000E+01	-1.700000E+01	-1.700000E+01	-1.700000E+01	log(m^2)	WPO40514	Y	N/A
186	1,3,4	DELTA	4.000000E+00	4.000000E+00	1.000000E+00	4.000000E+00	NONE	WPO38568	Y	N/A
186	1,3,4	DELTA	4.000000E+00	4.000000E+00	1.000000E+00	4.000000E+00	NONE	WPO40514	Y	N/A
187	1,3,5	CONSTANT	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	NONE	WPO32288	Y	N/A
187	1,3,5	CONSTANT	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	NONE	WPO38568	Y	N/A
187	1,3,5	CONSTANT	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	NONE	WPO40514	Y	N/A
188	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO32288	Y	N/A
188	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35597	Y	N/A
188	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40514	Y	N/A
189	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO32288	Y	N/A
189	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35597	Y	N/A

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 454 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		189	DRZ_0	Disturbed rock zone; time period -5 to 0 years	SAT_RGAS	Residual Gas Saturation	32862	12-Feb-96	Y	4B
Y	0.0 hw	190	DRZ_1	Disturbed rock zone; time period 0 to 1000 years	CAP_MOD	Model number, capillary pressure model	32869	12-Feb-96	Y	4B
Y	0.0 hw	190	DRZ_1	Disturbed rock zone; time period 0 to 1000 years	CAP_MOD	Model number, capillary pressure model	32869	12-Feb-96	Y	4B
Y	0.0 hw	190	DRZ_1	Disturbed rock zone; time period 0 to 1000 years	CAP_MOD	Model number, capillary pressure model	32869	12-Feb-96	Y	4B
Y		191	DRZ_1	Disturbed rock zone; time period 0 to 1000 years	COMP_RCK	Bulk Compressibility	32871	12-Feb-96	Y	4B
Y		191	DRZ_1	Disturbed rock zone; time period 0 to 1000 years	COMP_RCK	Bulk Compressibility	32871	12-Feb-96	Y	4B
Y		191	DRZ_1	Disturbed rock zone; time period 0 to 1000 years	COMP_RCK	Bulk Compressibility	32871	12-Feb-96	Y	4B
Y		193	DRZ_1	Disturbed rock zone; time period 0 to 1000 years	PC_MAX	Maximum allowable capillary pressure	32899	01-Nov-95	Y	4B
Y		193	DRZ_1	Disturbed rock zone; time period 0 to 1000 years	PC_MAX	Maximum allowable capillary pressure	32899	01-Nov-95	Y	4B
Y		194	DRZ_1	Disturbed rock zone; time period 0 to 1000 years	PORE_DIS	Brooks-Corey pore distribution parameter	32901	12-Feb-96	Y	4B
Y		194	DRZ_1	Disturbed rock zone; time period 0 to 1000 years	PORE_DIS	Brooks-Corey pore distribution parameter	32901	12-Feb-96	Y	4B
Y		194	DRZ_1	Disturbed rock zone; time period 0 to 1000 years	PORE_DIS	Brooks-Corey pore distribution parameter	32901	12-Feb-96	Y	4B
Y	varies	195	DRZ_1	Disturbed rock zone; time period 0 to 1000 years	POROSITY	Effective porosity	32902	12-Feb-96	Y	4B
Y	varies	195	DRZ_1	Disturbed rock zone; time period 0 to 1000 years	POROSITY	Effective porosity	32902	12-Feb-96	Y	4B
Y	varies	195	DRZ_1	Disturbed rock zone; time period 0 to 1000 years	POROSITY	Effective porosity	32902	12-Feb-96	Y	4B
Y	varies	195	DRZ_1	Disturbed rock zone; time period 0 to 1000 years	POROSITY	Effective porosity	32902	12-Feb-96	Y	4B
Y	varies	195	DRZ_1	Disturbed rock zone; time period 0 to 1000 years	POROSITY	Effective porosity	32902	12-Feb-96	Y	4B
Y	varies	195	DRZ_1	Disturbed rock zone; time period 0 to 1000 years	POROSITY	Effective porosity	32902	12-Feb-96	Y	4B
Y		196	DRZ_1	Disturbed rock zone; time period 0 to 1000 years	PO_MIN	Minimum brine pressure for capillary model KPC=3	32903	21-Feb-96	Y	4B
Y		196	DRZ_1	Disturbed rock zone; time period 0 to 1000 years	PO_MIN	Minimum brine pressure for capillary model KPC=3	32903	21-Feb-96	Y	4B
Y		196	DRZ_1	Disturbed rock zone; time period 0 to 1000 years	PO_MIN	Minimum brine pressure for capillary model KPC=3	32903	21-Feb-96	Y	4B
Y		198	DRZ_1	Disturbed rock zone; time period 0 to 1000 years	PRMX_LOG	Log of intrinsic permeability, X-direction	32905	01-Nov-95	Y	4B
Y		198	DRZ_1	Disturbed rock zone; time period 0 to 1000 years	PRMX_LOG	Log of intrinsic permeability, X-direction	32905	01-Nov-95	Y	4B
Y		198	DRZ_1	Disturbed rock zone; time period 0 to 1000 years	PRMX_LOG	Log of intrinsic permeability, X-direction	32905	01-Nov-95	Y	4B

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
189	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40514	Y	N/A
190	3,5	CONSTANT	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	NONE	WPO32288	Y	N/A
190	3,5	CONSTANT	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	NONE	WPO35597	Y	N/A
190	3,5	CONSTANT	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	NONE	WPO40514	Y	N/A
191	1,3,4	CONSTANT	7.410000E-10	7.410000E-10	7.410000E-10	7.410000E-10	Pa^-1	WPO32288	Y	1
191	1,3,4	CONSTANT	7.410000E-10	7.410000E-10	7.410000E-10	7.410000E-10	Pa^-1	WPO35597	Y	1
191	1,3,4	CONSTANT	7.410000E-10	7.410000E-10	7.410000E-10	7.410000E-10	Pa^-1	WPO40514	Y	1
193	3,5	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO38568	Y	N/A
193	3,5	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO40514	Y	N/A
194	3,5	CONSTANT	7.000000E-01	7.000000E-01	7.000000E-01	7.000000E-01	NONE	WPO32288	Y	N/A
194	3,5	CONSTANT	7.000000E-01	7.000000E-01	7.000000E-01	7.000000E-01	NONE	WPO35597	Y	N/A
194	3,5	CONSTANT	7.000000E-01	7.000000E-01	7.000000E-01	7.000000E-01	NONE	WPO40514	Y	N/A
195	1,3,4	CUMULATIVE	1.565000E-02	1.290000E-02	3.900000E-03	3.290000E-02	NONE	WPO32288	Y	N/A
195	1,3,4	CUMULATIVE	1.565000E-02	1.290000E-02	3.900000E-03	3.290000E-02	NONE	WPO35268	Y	N/A
195	1,3,4	CUMULATIVE	1.565000E-02	1.290000E-02	3.900000E-03	3.290000E-02	NONE	WPO35597	Y	N/A
195	1,3,4	CUMULATIVE	1.565000E-02	1.290000E-02	3.900000E-03	3.290000E-02	NONE	WPO40434	Y	N/A
195	1,3,4	CUMULATIVE	1.565000E-02	1.290000E-02	3.900000E-03	3.290000E-02	NONE	WPO40514	Y	N/A
195	1,3,4	CUMULATIVE	1.565000E-02	1.290000E-02	3.900000E-03	3.290000E-02	NONE	WPO42257	Y	N/A
196	3,5	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO35268	Y	N/A
196	3,5	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO36051	Y	N/A
196	3,5	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO40514	Y	N/A
198	3,5	CONSTANT	-1.500000E+01	-1.500000E+01	-1.500000E+01	-1.500000E+01	log(m^2)	WPO22443	Y	N/A
198	3,5	CONSTANT	-1.500000E+01	-1.500000E+01	-1.500000E+01	-1.500000E+01	log(m^2)	WPO30994	Y	N/A
198	3,5	CONSTANT	-1.500000E+01	-1.500000E+01	-1.500000E+01	-1.500000E+01	log(m^2)	WPO32288	Y	N/A

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 454 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		198	DRZ_1	Disturbed rock zone; time period 0 to 1000 years	PRMX_LOG	Log of intrinsic permeability, X-direction	32905	01-Nov-95	Y	4B
Y		198	DRZ_1	Disturbed rock zone; time period 0 to 1000 years	PRMX_LOG	Log of intrinsic permeability, X-direction	32905	01-Nov-95	Y	4B
Y		199	DRZ_1	Disturbed rock zone; time period 0 to 1000 years	PRMY_LOG	Log of intrinsic permeability, Y-direction	32906	01-Nov-95	Y	4B
Y		199	DRZ_1	Disturbed rock zone; time period 0 to 1000 years	PRMY_LOG	Log of intrinsic permeability, Y-direction	32906	01-Nov-95	Y	4B
Y		199	DRZ_1	Disturbed rock zone; time period 0 to 1000 years	PRMY_LOG	Log of intrinsic permeability, Y-direction	32906	01-Nov-95	Y	4B
Y		199	DRZ_1	Disturbed rock zone; time period 0 to 1000 years	PRMY_LOG	Log of intrinsic permeability, Y-direction	32906	01-Nov-95	Y	4B
Y		199	DRZ_1	Disturbed rock zone; time period 0 to 1000 years	PRMY_LOG	Log of intrinsic permeability, Y-direction	32906	01-Nov-95	Y	4B
Y		200	DRZ_1	Disturbed rock zone; time period 0 to 1000 years	PRMZ_LOG	Log of intrinsic permeability, Z-direction	32907	01-Nov-95	Y	4B
Y		200	DRZ_1	Disturbed rock zone; time period 0 to 1000 years	PRMZ_LOG	Log of intrinsic permeability, Z-direction	32907	01-Nov-95	Y	4B
Y		200	DRZ_1	Disturbed rock zone; time period 0 to 1000 years	PRMZ_LOG	Log of intrinsic permeability, Z-direction	32907	01-Nov-95	Y	4B
Y		200	DRZ_1	Disturbed rock zone; time period 0 to 1000 years	PRMZ_LOG	Log of intrinsic permeability, Z-direction	32907	01-Nov-95	Y	4B
Y		200	DRZ_1	Disturbed rock zone; time period 0 to 1000 years	PRMZ_LOG	Log of intrinsic permeability, Z-direction	32907	01-Nov-95	Y	4B
Y		203	DRZ_1	Disturbed rock zone; time period 0 to 1000 years	RELP_MOD	Model number, relative permeability model	32910	12-Feb-96	Y	4B
Y		203	DRZ_1	Disturbed rock zone; time period 0 to 1000 years	RELP_MOD	Model number, relative permeability model	32910	12-Feb-96	Y	4B
Y		203	DRZ_1	Disturbed rock zone; time period 0 to 1000 years	RELP_MOD	Model number, relative permeability model	32910	12-Feb-96	Y	4B
Y		203	DRZ_1	Disturbed rock zone; time period 0 to 1000 years	RELP_MOD	Model number, relative permeability model	32910	12-Feb-96	Y	4B
Y		203	DRZ_1	Disturbed rock zone; time period 0 to 1000 years	RELP_MOD	Model number, relative permeability model	32910	12-Feb-96	Y	4B
Y		205	DRZ_1	Disturbed rock zone; time period 0 to 1000 years	SAT_RBRN	Residual Brine Saturation	32912	01-Nov-95	Y	4B
Y		205	DRZ_1	Disturbed rock zone; time period 0 to 1000 years	SAT_RBRN	Residual Brine Saturation	32912	01-Nov-95	Y	4B
Y		205	DRZ_1	Disturbed rock zone; time period 0 to 1000 years	SAT_RBRN	Residual Brine Saturation	32912	01-Nov-95	Y	4B
Y		206	DRZ_1	Disturbed rock zone; time period 0 to 1000 years	SAT_RGAS	Residual Gas Saturation	32913	01-Nov-95	Y	4B
Y		206	DRZ_1	Disturbed rock zone; time period 0 to 1000 years	SAT_RGAS	Residual Gas Saturation	32913	01-Nov-95	Y	4B
Y		206	DRZ_1	Disturbed rock zone; time period 0 to 1000 years	SAT_RGAS	Residual Gas Saturation	32913	01-Nov-95	Y	4B
Y		207	EXP_AREA	Experimental Area	CAP_MOD	Model number, capillary pressure model	32969	17-Feb-96	Y	4B
Y		207	EXP_AREA	Experimental Area	CAP_MOD	Model number, capillary pressure model	32969	17-Feb-96	Y	4B

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
198	3,5	CONSTANT	-1.500000E+01	-1.500000E+01	-1.500000E+01	-1.500000E+01	log(m^2)	WPO38568	Y	N/A
198	3,5	CONSTANT	-1.500000E+01	-1.500000E+01	-1.500000E+01	-1.500000E+01	log(m^2)	WPO40514	Y	N/A
199	3,5	CONSTANT	-1.500000E+01	-1.500000E+01	-1.500000E+01	-1.500000E+01	log(m^2)	WPO22443	Y	N/A
199	3,5	CONSTANT	-1.500000E+01	-1.500000E+01	-1.500000E+01	-1.500000E+01	log(m^2)	WPO30994	Y	N/A
199	3,5	CONSTANT	-1.500000E+01	-1.500000E+01	-1.500000E+01	-1.500000E+01	log(m^2)	WPO32288	Y	N/A
199	3,5	CONSTANT	-1.500000E+01	-1.500000E+01	-1.500000E+01	-1.500000E+01	log(m^2)	WPO38568	Y	N/A
199	3,5	CONSTANT	-1.500000E+01	-1.500000E+01	-1.500000E+01	-1.500000E+01	log(m^2)	WPO40514	Y	N/A
200	3,5	CONSTANT	-1.500000E+01	-1.500000E+01	-1.500000E+01	-1.500000E+01	log(m^2)	WPO22443	Y	N/A
200	3,5	CONSTANT	-1.500000E+01	-1.500000E+01	-1.500000E+01	-1.500000E+01	log(m^2)	WPO30994	Y	N/A
200	3,5	CONSTANT	-1.500000E+01	-1.500000E+01	-1.500000E+01	-1.500000E+01	log(m^2)	WPO32288	Y	N/A
200	3,5	CONSTANT	-1.500000E+01	-1.500000E+01	-1.500000E+01	-1.500000E+01	log(m^2)	WPO38568	Y	N/A
200	3,5	CONSTANT	-1.500000E+01	-1.500000E+01	-1.500000E+01	-1.500000E+01	log(m^2)	WPO40514	Y	N/A
203	1,3,4	DELTA	4.000000E+00	4.000000E+00	1.000000E+00	4.000000E+00	NONE	WPO32288	Y	N/A
203	1,3,4	DELTA	4.000000E+00	4.000000E+00	1.000000E+00	4.000000E+00	NONE	WPO35268	Y	N/A
203	1,3,4	DELTA	4.000000E+00	4.000000E+00	1.000000E+00	4.000000E+00	NONE	WPO35597	Y	N/A
203	1,3,4	DELTA	4.000000E+00	4.000000E+00	1.000000E+00	4.000000E+00	NONE	WPO37970	Y	N/A
203	1,3,4	DELTA	4.000000E+00	4.000000E+00	1.000000E+00	4.000000E+00	NONE	WPO40514	Y	N/A
205	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO32288	Y	N/A
205	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO38568	Y	N/A
205	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40514	Y	N/A
206	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO32288	Y	N/A
206	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO38568	Y	N/A
206	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40514	Y	N/A
207	3,5	CONSTANT	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	NONE	WPO35597	Y	N/A
207	3,5	CONSTANT	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	NONE	WPO36320	Y	N/A

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 464 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		207	EXP_AREA	Experimental Area	CAP_MOD	Model number, capillary pressure model	32969	17-Feb-96	Y	4B
Y		208	EXP_AREA	Experimental Area	COMP_RCK	Bulk Compressibility	32972	02-Nov-95	Y	4B
Y		208	EXP_AREA	Experimental Area	COMP_RCK	Bulk Compressibility	32972	02-Nov-95	Y	4B
Y		208	EXP_AREA	Experimental Area	COMP_RCK	Bulk Compressibility	32972	02-Nov-95	Y	4B
Y		209	EXP_AREA	Experimental Area	PC_MAX	Maximum allowable capillary pressure	33040	02-Nov-95	Y	4B
Y		209	EXP_AREA	Experimental Area	PC_MAX	Maximum allowable capillary pressure	33040	02-Nov-95	Y	4B
Y		210	EXP_AREA	Experimental Area	PORE_DIS	Brooks-Corey pore distribution parameter	33045	02-Nov-95	Y	4B
Y		210	EXP_AREA	Experimental Area	PORE_DIS	Brooks-Corey pore distribution parameter	33045	02-Nov-95	Y	4B
Y		211	EXP_AREA	Experimental Area	POROSITY	Effective porosity	32945	17-Feb-96	Y	4B
Y		211	EXP_AREA	Experimental Area	POROSITY	Effective porosity	32945	17-Feb-96	Y	4B
Y		211	EXP_AREA	Experimental Area	POROSITY	Effective porosity	32945	17-Feb-96	Y	4B
Y		212	EXP_AREA	Experimental Area	PO_MIN	Minimum brine pressure for capillary model KPC=3	32946	21-Feb-96	Y	4B
Y		212	EXP_AREA	Experimental Area	PO_MIN	Minimum brine pressure for capillary model KPC=3	32946	21-Feb-96	Y	4B
Y		212	EXP_AREA	Experimental Area	PO_MIN	Minimum brine pressure for capillary model KPC=3	32946	21-Feb-96	Y	4B
Y		212	EXP_AREA	Experimental Area	PO_MIN	Minimum brine pressure for capillary model KPC=3	32946	21-Feb-96	Y	4B
Y		213	EXP_AREA	Experimental Area	PRESSURE	Brine far-field pore pressure	32948	02-Nov-95	Y	4B
Y		213	EXP_AREA	Experimental Area	PRESSURE	Brine far-field pore pressure	32948	02-Nov-95	Y	4B
Y		214	EXP_AREA	Experimental Area	PRMX_LOG	Log of intrinsic permeability, X-direction	32951	17-Feb-96	Y	4B
Y		214	EXP_AREA	Experimental Area	PRMX_LOG	Log of intrinsic permeability, X-direction	32951	17-Feb-96	Y	4B
Y		214	EXP_AREA	Experimental Area	PRMX_LOG	Log of intrinsic permeability, X-direction	32951	17-Feb-96	Y	4B
Y		215	EXP_AREA	Experimental Area	PRMY_LOG	Log of intrinsic permeability, Y-direction	32953	17-Feb-96	Y	4B
Y		215	EXP_AREA	Experimental Area	PRMY_LOG	Log of intrinsic permeability, Y-direction	32953	17-Feb-96	Y	4B
Y		215	EXP_AREA	Experimental Area	PRMY_LOG	Log of intrinsic permeability, Y-direction	32953	17-Feb-96	Y	4B
Y		216	EXP_AREA	Experimental Area	PRMZ_LOG	Log of intrinsic permeability, Z-direction	32955	17-Feb-96	Y	4B
Y		216	EXP_AREA	Experimental Area	PRMZ_LOG	Log of intrinsic permeability, Z-direction	32955	17-Feb-96	Y	4B
Y		216	EXP_AREA	Experimental Area	PRMZ_LOG	Log of intrinsic permeability, Z-direction	32955	17-Feb-96	Y	4B
Y		219	EXP_AREA	Experimental Area	REL_P_MOD	Model number, relative permeability model	32962	02-Nov-95	Y	4B
Y		219	EXP_AREA	Experimental Area	REL_P_MOD	Model number, relative permeability model	32962	02-Nov-95	Y	4B
Y		220	EXP_AREA	Experimental Area	SAT_IBRN	Initial Brine Saturation	32965	17-Feb-96	Y	4B
Y		220	EXP_AREA	Experimental Area	SAT_IBRN	Initial Brine Saturation	32965	17-Feb-96	Y	4B
Y		220	EXP_AREA	Experimental Area	SAT_IBRN	Initial Brine Saturation	32965	17-Feb-96	Y	4B
Y		221	EXP_AREA	Experimental Area	SAT_RBRN	Residual Brine Saturation	32967	17-Feb-96	Y	4B
Y		221	EXP_AREA	Experimental Area	SAT_RBRN	Residual Brine Saturation	32967	17-Feb-96	Y	4B
Y		221	EXP_AREA	Experimental Area	SAT_RBRN	Residual Brine Saturation	32967	17-Feb-96	Y	4B
Y		222	EXP_AREA	Experimental Area	SAT_RGAS	Residual Gas Saturation	32968	17-Feb-96	Y	4B
Y		222	EXP_AREA	Experimental Area	SAT_RGAS	Residual Gas Saturation	32968	17-Feb-96	Y	4B
Y		222	EXP_AREA	Experimental Area	SAT_RGAS	Residual Gas Saturation	32968	17-Feb-96	Y	4B
Y		223	GLOBAL	Information that applies globally	CLIMTIDX	Climate Index	33031	01-May-96	Y	1
Y		223	GLOBAL	Information that applies globally	CLIMTIDX	Climate Index	33031	01-May-96	Y	1
Y		223	GLOBAL	Information that applies globally	CLIMTIDX	Climate Index	33031	01-May-96	Y	1
Y		225	GLOBAL	Information that applies globally	TRANSIDX	Index for selecting realizations of the Transmissivity Field	33055	02-Nov-95	Y	4B
Y		225	GLOBAL	Information that applies globally	TRANSIDX	Index for selecting realizations of the Transmissivity Field	33055	02-Nov-95	Y	4B

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
207	3,5	CONSTANT	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	NONE	WPO40514	Y	N/A
208	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Pa ⁻¹	WPO35597	Y	N/A
208	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Pa ⁻¹	WPO36320	Y	N/A
208	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Pa ⁻¹	WPO40514	Y	N/A
209	3,5	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO38568	Y	N/A
209	3,5	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO40514	Y	N/A
210	3,5	CONSTANT	7.000000E-01	7.000000E-01	7.000000E-01	7.000000E-01	NONE	WPO38568	Y	N/A
210	3,5	CONSTANT	7.000000E-01	7.000000E-01	7.000000E-01	7.000000E-01	NONE	WPO40514	Y	N/A
211	1,3,4	CONSTANT	1.800000E-01	1.800000E-01	1.800000E-01	1.800000E-01	NONE	WPO32281	Y	N/A
211	1,3,4	CONSTANT	1.800000E-01	1.800000E-01	1.800000E-01	1.800000E-01	NONE	WPO35597	Y	N/A
211	1,3,4	CONSTANT	1.800000E-01	1.800000E-01	1.800000E-01	1.800000E-01	NONE	WPO40514	Y	N/A
212	3,5	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO35597	Y	N/A
212	3,5	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO36051	Y	N/A
212	3,5	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO36320	Y	N/A
212	3,5	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO40514	Y	N/A
213	1,3,4	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO38568	Y	N/A
213	1,3,4	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO40514	Y	N/A
214	3,5	CONSTANT	-1.100000E+01	-1.100000E+01	-1.100000E+01	-1.100000E+01	log(m ²)	WPO35597	Y	N/A
214	3,5	CONSTANT	-1.100000E+01	-1.100000E+01	-1.100000E+01	-1.100000E+01	log(m ²)	WPO36320	Y	N/A
214	3,5	CONSTANT	-1.100000E+01	-1.100000E+01	-1.100000E+01	-1.100000E+01	log(m ²)	WPO40514	Y	N/A
215	3,5	CONSTANT	-1.100000E+01	-1.100000E+01	-1.100000E+01	-1.100000E+01	log(m ²)	WPO35597	Y	N/A
215	3,5	CONSTANT	-1.100000E+01	-1.100000E+01	-1.100000E+01	-1.100000E+01	log(m ²)	WPO36320	Y	N/A
215	3,5	CONSTANT	-1.100000E+01	-1.100000E+01	-1.100000E+01	-1.100000E+01	log(m ²)	WPO40514	Y	N/A
216	3,5	CONSTANT	-1.100000E+01	-1.100000E+01	-1.100000E+01	-1.100000E+01	log(m ²)	WPO35597	Y	N/A
216	3,5	CONSTANT	-1.100000E+01	-1.100000E+01	-1.100000E+01	-1.100000E+01	log(m ²)	WPO36320	Y	N/A
216	3,5	CONSTANT	-1.100000E+01	-1.100000E+01	-1.100000E+01	-1.100000E+01	log(m ²)	WPO40514	Y	N/A
219	3,5	CONSTANT	4.000000E+00	4.000000E+00	4.000000E+00	4.000000E+00	NONE	WPO38568	Y	N/A
219	3,5	CONSTANT	4.000000E+00	4.000000E+00	4.000000E+00	4.000000E+00	NONE	WPO40514	Y	N/A
220	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35597	Y	N/A
220	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO36320	Y	N/A
220	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40514	Y	N/A
221	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35597	Y	N/A
221	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO36320	Y	N/A
221	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40514	Y	N/A
222	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35597	Y	N/A
222	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO36320	Y	N/A
222	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40514	Y	N/A
223	1,3,4,5	CUMULATIVE	1.310000E+00	1.170000E+00	1.000000E+00	2.250000E+00	NONE	WPO35268	N	1
223	1,3,4,5	CUMULATIVE	1.310000E+00	1.170000E+00	1.000000E+00	2.250000E+00	NONE	WPO35597	N	1
223	1,3,4,5	CUMULATIVE	1.310000E+00	1.170000E+00	1.000000E+00	2.250000E+00	NONE	WPO37465	N	1
225	1,3,4	UNIFORM	5.000000E-01	5.000000E-01	0.000000E+00	1.000000E+00	NONE	SAND92-0700/3	Y&N	1
225	1,3,4	UNIFORM	5.000000E-01	5.000000E-01	0.000000E+00	1.000000E+00	NONE	WPO35193	Y&N	1

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 454 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		225	GLOBAL	Information that applies globally	TRANSIDX	Index for selecting realizations of the Transmissivity Field	33055	02-Nov-95	Y	4B
Y		225	GLOBAL	Information that applies globally	TRANSIDX	Index for selecting realizations of the Transmissivity Field	33055	02-Nov-95	Y	4B
Y		228	H2	Hydrogen Gas	VISCO	Viscosity	32334A	14-Mar-96	Y	3
Y		228	H2	Hydrogen Gas	VISCO	Viscosity	32334A	14-Mar-96	Y	3
Y		229	IMPERM_Z	Impermeable Zones	CAP_MOD	Model number, capillary pressure model	33059	02-Nov-95	Y	4B
Y		229	IMPERM_Z	Impermeable Zones	CAP_MOD	Model number, capillary pressure model	33059	02-Nov-95	Y	4B
Y		230	IMPERM_Z	Impermeable Zones	COMP_RCK	Bulk Compressibility	33064	02-Nov-95	Y	4B
Y		230	IMPERM_Z	Impermeable Zones	COMP_RCK	Bulk Compressibility	33064	02-Nov-95	Y	4B
Y		231	IMPERM_Z	Impermeable Zones	PC_MAX	Maximum allowable capillary pressure	33177	02-Nov-95	Y	4B
Y		231	IMPERM_Z	Impermeable Zones	PC_MAX	Maximum allowable capillary pressure	33177	02-Nov-95	Y	4B
Y		232	IMPERM_Z	Impermeable Zones	PORE_DIS	Brooks-Corey pore distribution parameter	33185	27-Feb-96	Y	4B
Y		232	IMPERM_Z	Impermeable Zones	PORE_DIS	Brooks-Corey pore distribution parameter	33185	27-Feb-96	Y	4B
Y		232	IMPERM_Z	Impermeable Zones	PORE_DIS	Brooks-Corey pore distribution parameter	33185	27-Feb-96	Y	4B
Y		233	IMPERM_Z	Impermeable Zones	POROSITY	Effective porosity	33188	02-Nov-95	Y	4B
Y		233	IMPERM_Z	Impermeable Zones	POROSITY	Effective porosity	33188	02-Nov-95	Y	4B
Y		234	IMPERM_Z	Impermeable Zones	PO_MIN	Minimum brine pressure for capillary model KPC=3	33191	21-Feb-96	Y	4B
Y		234	IMPERM_Z	Impermeable Zones	PO_MIN	Minimum brine pressure for capillary model KPC=3	33191	21-Feb-96	Y	4B
Y		234	IMPERM_Z	Impermeable Zones	PO_MIN	Minimum brine pressure for capillary model KPC=3	33191	21-Feb-96	Y	4B
Y		236	IMPERM_Z	Impermeable Zones	PRMX_LOG	Log of intrinsic permeability, X-direction	33205	22-Feb-96	Y	4B
Y		236	IMPERM_Z	Impermeable Zones	PRMX_LOG	Log of intrinsic permeability, X-direction	33205	22-Feb-96	Y	4B
Y		237	IMPERM_Z	Impermeable Zones	PRMY_LOG	Log of intrinsic permeability, Y-direction	33209	22-Feb-96	Y	4B
Y		237	IMPERM_Z	Impermeable Zones	PRMY_LOG	Log of intrinsic permeability, Y-direction	33209	22-Feb-96	Y	4B
Y		238	IMPERM_Z	Impermeable Zones	PRMZ_LOG	Log of intrinsic permeability, Z-direction	33214	22-Feb-96	Y	4B
Y		238	IMPERM_Z	Impermeable Zones	PRMZ_LOG	Log of intrinsic permeability, Z-direction	33214	22-Feb-96	Y	4B
Y		241	IMPERM_Z	Impermeable Zones	RELP_MOD	Model number, relative permeability model	33222	02-Nov-95	Y	4B
Y		241	IMPERM_Z	Impermeable Zones	RELP_MOD	Model number, relative permeability model	33222	02-Nov-95	Y	4B
Y		243	IMPERM_Z	Impermeable Zones	SAT_RBRN	Residual Brine Saturation	33226	02-Nov-95	-Y	4B
Y		243	IMPERM_Z	Impermeable Zones	SAT_RBRN	Residual Brine Saturation	33226	02-Nov-95	Y	4B
Y		244	IMPERM_Z	Impermeable Zones	SAT_RGAS	Residual Gas Saturation	33230	02-Nov-95	Y	4B
Y		244	IMPERM_Z	Impermeable Zones	SAT_RGAS	Residual Gas Saturation	33230	02-Nov-95	Y	4B
Y	0.02	246	NP237	Neptunium 237	ATWEIGHT	Atomic Weight in kg/mole	32336	02-Nov-95	Y	3
Y	0.02	246	NP237	Neptunium 237	ATWEIGHT	Atomic Weight in kg/mole	32336	02-Nov-95	Y	3
Y	0.02	246	NP237	Neptunium 237	ATWEIGHT	Atomic Weight in kg/mole	32336	02-Nov-95	Y	3
Y	100	247	NP237	Neptunium 237	HALFLIFE	Half-life	32579	16-Apr-96	Y	3
Y	100	247	NP237	Neptunium 237	HALFLIFE	Half-life	32579	16-Apr-96	Y	3
Y	100	247	NP237	Neptunium 237	HALFLIFE	Half-life	32579	16-Apr-96	Y	3
Y		248	NP237	Neptunium 237	INVCHD	Inventory of Contact Handled Design	32584A	29-Oct-96	Y	2
Y		248	NP237	Neptunium 237	INVCHD	Inventory of Contact Handled Design	32584A	29-Oct-96	Y	2
Y		248	NP237	Neptunium 237	INVCHD	Inventory of Contact Handled Design	32584A	29-Oct-96	Y	2
Y		248	NP237	Neptunium 237	INVCHD	Inventory of Contact Handled Design	32584A	29-Oct-96	Y	2
Y		249	NP237	Neptunium 237	INVRHD	Inventory of Remote Handled Design	32593A	29-Oct-96	Y	2
Y		249	NP237	Neptunium 237	INVRHD	Inventory of Remote Handled Design	32593A	29-Oct-96	Y	2

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
225	1,3,4	UNIFORM	5.000000E-01	5.000000E-01	0.000000E+00	1.000000E+00	NONE	WPO35270	Y&N	1
225	1,3,4	UNIFORM	5.000000E-01	5.000000E-01	0.000000E+00	1.000000E+00	NONE	WPO40516	Y&N	1
228	4	CONSTANT	8.933890E-06	8.933890E-06	8.933890E-06	8.933890E-06	Pa*s	WPO30641	Y	N/A
228	4	CONSTANT	8.933890E-06	8.933890E-06	8.933890E-06	8.933890E-06	Pa*s	WPO36298	Y	N/A
229	3,5	CONSTANT	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	NONE	WPO38568	Y	N/A
229	3,5	CONSTANT	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	NONE	WPO40514	Y	N/A
230	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Pa^-1	WPO38568	Y	N/A
230	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Pa^-1	WPO40514	Y	N/A
231	3,5	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO38568	Y	N/A
231	3,5	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO40514	Y	N/A
232	3,5	CONSTANT	7.000000E-01	7.000000E-01	7.000000E-01	7.000000E-01	NONE	WPO35597	Y	N/A
232	3,5	CONSTANT	7.000000E-01	7.000000E-01	7.000000E-01	7.000000E-01	NONE	WPO36203	Y	N/A
232	3,5	CONSTANT	7.000000E-01	7.000000E-01	7.000000E-01	7.000000E-01	NONE	WPO40514	Y	N/A
233	3,5	CONSTANT	5.000000E-03	5.000000E-03	5.000000E-03	5.000000E-03	NONE	WPO38568	Y	N/A
233	3,5	CONSTANT	5.000000E-03	5.000000E-03	5.000000E-03	5.000000E-03	NONE	WPO40514	Y	N/A
234	3,5	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO35597	Y	N/A
234	3,5	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO36051	Y	N/A
234	3,5	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO40514	Y	N/A
236	3,5	CONSTANT	-3.500000E+01	-3.500000E+01	-3.500000E+01	-3.500000E+01	log(m^2)	WPO38333	Y	N/A
236	3,5	CONSTANT	-3.500000E+01	-3.500000E+01	-3.500000E+01	-3.500000E+01	log(m^2)	WPO40514	Y	N/A
237	3,5	CONSTANT	-3.500000E+01	-3.500000E+01	-3.500000E+01	-3.500000E+01	log(m^2)	WPO38333	Y	N/A
237	3,5	CONSTANT	-3.500000E+01	-3.500000E+01	-3.500000E+01	-3.500000E+01	log(m^2)	WPO40514	Y	N/A
238	3,5	CONSTANT	-3.500000E+01	-3.500000E+01	-3.500000E+01	-3.500000E+01	log(m^2)	WPO38333	Y	N/A
238	3,5	CONSTANT	-3.500000E+01	-3.500000E+01	-3.500000E+01	-3.500000E+01	log(m^2)	WPO40514	Y	N/A
241	3,5	CONSTANT	4.000000E+00	4.000000E+00	4.000000E+00	4.000000E+00	NONE	WPO38568	Y	N/A
241	3,5	CONSTANT	4.000000E+00	4.000000E+00	4.000000E+00	4.000000E+00	NONE	WPO40514	Y	N/A
243	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO38568	-_Y	N/A
243	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40514	Y	N/A
244	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO38568	Y	N/A
244	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40514	Y	N/A
246	4	CONSTANT	2.370480E-01	2.370480E-01	2.370480E-01	2.370480E-01	kg/mole	CRC-72	Y	N/A
246	4	CONSTANT	2.370480E-01	2.370480E-01	2.370480E-01	2.370480E-01	kg/mole	WPO36298	Y	N/A
246	4	CONSTANT	2.370480E-01	2.370480E-01	2.370480E-01	2.370480E-01	kg/mole	WPO36301	Y	N/A
247	4	CONSTANT	6.753000E+13	6.753000E+13	6.753000E+13	6.753000E+13	s	WPO36301	Y	N/A
247	4	CONSTANT	6.753000E+13	6.753000E+13	6.753000E+13	6.753000E+13	s	WPO37404	Y	N/A
247	4	CONSTANT	6.753000E+13	6.753000E+13	6.753000E+13	6.753000E+13	s	WPO40434	Y	N/A
248	2	CONSTANT	6.190000E+01	6.190000E+01	6.190000E+01	6.190000E+01	Ci	WPO37061	Y	N/A
248	2	CONSTANT	6.190000E+01	6.190000E+01	6.190000E+01	6.190000E+01	Ci	WPO39260	Y	N/A
248	2	CONSTANT	6.190000E+01	6.190000E+01	6.190000E+01	6.190000E+01	Ci	WPO41559	Y	N/A
248	2	CONSTANT	6.190000E+01	6.190000E+01	6.190000E+01	6.190000E+01	Ci	WPO41560	Y	N/A
249	2	CONSTANT	2.950000E+00	2.950000E+00	2.950000E+00	2.950000E+00	Ci	WPO37061	Y	N/A
249	2	CONSTANT	2.950000E+00	2.950000E+00	2.950000E+00	2.950000E+00	Ci	WPO39260	Y	N/A

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 464 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		249	NP237	Neptunium 237	INVRHD	Inventory of Remote Handled Design	32593A	29-Oct-96	Y	2
Y		249	NP237	Neptunium 237	INVRHD	Inventory of Remote Handled Design	32593A	29-Oct-96	Y	2
Y	0.02	250	PA231	Protactinium 231	ATWEIGHT	Atomic Weight in kg/mole	32337	02-Nov-95	Y	3
Y	0.02	250	PA231	Protactinium 231	ATWEIGHT	Atomic Weight in kg/mole	32337	02-Nov-95	Y	3
Y	0.02	250	PA231	Protactinium 231	ATWEIGHT	Atomic Weight in kg/mole	32337	02-Nov-95	Y	3
Y	100	251	PA231	Protactinium 231	HALFLIFE	Half-life	32929	16-Apr-96	Y	3
Y	100	251	PA231	Protactinium 231	HALFLIFE	Half-life	32929	16-Apr-96	Y	3
Y	100	251	PA231	Protactinium 231	HALFLIFE	Half-life	32929	16-Apr-96	Y	3
Y	50.00 hw	252	PAN_SEAL	Panel Seal	CAP_MOD	Model number, capillary pressure model	32933	20-Feb-96	Y	4B
Y	50.00 hw	252	PAN_SEAL	Panel Seal	CAP_MOD	Model number, capillary pressure model	32933	20-Feb-96	Y	4B
Y	50.00 hw	252	PAN_SEAL	Panel Seal	CAP_MOD	Model number, capillary pressure model	32933	20-Feb-96	Y	4B
Y		253	PAN_SEAL	Panel Seal	COMP_RCK	Bulk Compressibility	32935	20-Feb-96	Y	4B
Y		253	PAN_SEAL	Panel Seal	COMP_RCK	Bulk Compressibility	32935	20-Feb-96	Y	4B
Y		253	PAN_SEAL	Panel Seal	COMP_RCK	Bulk Compressibility	32935	20-Feb-96	Y	4B
Y		254	PAN_SEAL	Panel Seal	PC_MAX	Maximum allowable capillary pressure	33109	02-Nov-95	Y	4B
Y		254	PAN_SEAL	Panel Seal	PC_MAX	Maximum allowable capillary pressure	33109	02-Nov-95	Y	4B
Y		254	PAN_SEAL	Panel Seal	PC_MAX	Maximum allowable capillary pressure	33109	02-Nov-95	Y	4B
Y		255	PAN_SEAL	Panel Seal	PORE_DIS	Brooks-Corey pore distribution parameter	33112	20-Feb-96	Y	4B
Y		255	PAN_SEAL	Panel Seal	PORE_DIS	Brooks-Corey pore distribution parameter	33112	20-Feb-96	Y	4B
Y		255	PAN_SEAL	Panel Seal	PORE_DIS	Brooks-Corey pore distribution parameter	33112	20-Feb-96	Y	4B
Y		256	PAN_SEAL	Panel Seal	POROSITY	Effective porosity	33113	02-Nov-95	Y	4B
Y		256	PAN_SEAL	Panel Seal	POROSITY	Effective porosity	33113	02-Nov-95	Y	4B
Y		256	PAN_SEAL	Panel Seal	POROSITY	Effective porosity	33113	02-Nov-95	Y	4B
Y		257	PAN_SEAL	Panel Seal	PO_MIN	Minimum brine pressure for capillary model KPC=3	33115	21-Feb-96	Y	4B
Y		257	PAN_SEAL	Panel Seal	PO_MIN	Minimum brine pressure for capillary model KPC=3	33115	21-Feb-96	Y	4B
Y		257	PAN_SEAL	Panel Seal	PO_MIN	Minimum brine pressure for capillary model KPC=3	33115	21-Feb-96	Y	4B
Y		258	PAN_SEAL	Panel Seal	PRESSURE	Brine far-field pore pressure	33118	06-Feb-96	Y	4B
Y		258	PAN_SEAL	Panel Seal	PRESSURE	Brine far-field pore pressure	33118	06-Feb-96	Y	4B
Y		258	PAN_SEAL	Panel Seal	PRESSURE	Brine far-field pore pressure	33118	06-Feb-96	Y	4B
Y		259	PAN_SEAL	Panel Seal	PRMX_LOG	Log of intrinsic permeability, X-direction	33120	20-Feb-96	Y	4B
Y		259	PAN_SEAL	Panel Seal	PRMX_LOG	Log of intrinsic permeability, X-direction	33120	20-Feb-96	Y	4B
Y		259	PAN_SEAL	Panel Seal	PRMX_LOG	Log of intrinsic permeability, X-direction	33120	20-Feb-96	Y	4B
Y		260	PAN_SEAL	Panel Seal	PRMY_LOG	Log of intrinsic permeability, Y-direction	33122	20-Feb-96	Y	4B
Y		260	PAN_SEAL	Panel Seal	PRMY_LOG	Log of intrinsic permeability, Y-direction	33122	20-Feb-96	Y	4B
Y		260	PAN_SEAL	Panel Seal	PRMY_LOG	Log of intrinsic permeability, Y-direction	33122	20-Feb-96	Y	4B
Y		261	PAN_SEAL	Panel Seal	PRMZ_LOG	Log of intrinsic permeability, Z-direction	33123	20-Feb-96	Y	4B
Y		261	PAN_SEAL	Panel Seal	PRMZ_LOG	Log of intrinsic permeability, Z-direction	33123	20-Feb-96	Y	4B
Y		261	PAN_SEAL	Panel Seal	PRMZ_LOG	Log of intrinsic permeability, Z-direction	33123	20-Feb-96	Y	4B
Y		264	PAN_SEAL	Panel Seal	RELP_MOD	Model number, relative permeability model	33131	02-Nov-95	Y	4B
Y		264	PAN_SEAL	Panel Seal	RELP_MOD	Model number, relative permeability model	33131	02-Nov-95	Y	4B

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
249	2	CONSTANT	2.950000E+00	2.950000E+00	2.950000E+00	2.950000E+00	Ci	WPO41559	Y	N/A
249	2	CONSTANT	2.950000E+00	2.950000E+00	2.950000E+00	2.950000E+00	Ci	WPO41560	Y	N/A
250	4	CONSTANT	2.310360E-01	2.310360E-01	2.310360E-01	2.310360E-01	kg/mole	CRC-72	Y	N/A
250	4	CONSTANT	2.310360E-01	2.310360E-01	2.310360E-01	2.310360E-01	kg/mole	WPO36298	Y	N/A
250	4	CONSTANT	2.310360E-01	2.310360E-01	2.310360E-01	2.310360E-01	kg/mole	WPO36301	Y	N/A
251	4	CONSTANT	1.034000E+12	1.034000E+12	1.034000E+12	1.034000E+12	s	WPO36301	Y	N/A
251	4	CONSTANT	1.034000E+12	1.034000E+12	1.034000E+12	1.034000E+12	s	WPO37404	Y	N/A
251	4	CONSTANT	1.034000E+12	1.034000E+12	1.034000E+12	1.034000E+12	s	WPO40434	Y	N/A
252	1,3	CONSTANT	2.000000E+00	2.000000E+00	2.000000E+00	2.000000E+00	NONE	VAUGHN: WORKSHEET-4	Y	N/A
252	1,3	CONSTANT	2.000000E+00	2.000000E+00	2.000000E+00	2.000000E+00	NONE	WPO35597	Y	N/A
252	1,3	CONSTANT	2.000000E+00	2.000000E+00	2.000000E+00	2.000000E+00	NONE	WPO40514	Y	N/A
253	1,3	CONSTANT	2.640000E-09	2.640000E-09	2.640000E-09	2.640000E-09	Pa^-1	VAUGHN: WORKSHEET-4	Y	N/A
253	1,3	CONSTANT	2.640000E-09	2.640000E-09	2.640000E-09	2.640000E-09	Pa^-1	WPO35597	Y	N/A
253	1,3	CONSTANT	2.640000E-09	2.640000E-09	2.640000E-09	2.640000E-09	Pa^-1	WPO40514	Y	N/A
254	1,3	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	VAUGHN: WORKSHEET-4	Y	N/A
254	1,3	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO35597	Y	N/A
254	1,3	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO40514	Y	N/A
255	1,3	CONSTANT	9.400000E-01	9.400000E-01	9.400000E-01	9.400000E-01	NONE	VAUGHN: WORKSHEET-4	Y	N/A
255	1,3	CONSTANT	9.400000E-01	9.400000E-01	9.400000E-01	9.400000E-01	NONE	WPO35597	Y	N/A
255	1,3	CONSTANT	9.400000E-01	9.400000E-01	9.400000E-01	9.400000E-01	NONE	WPO40514	Y	N/A
256	3,5	CONSTANT	7.500000E-02	7.500000E-02	7.500000E-02	7.500000E-02	NONE	VAUGHN: WORKSHEET-1	Y	N/A
256	3,5	CONSTANT	7.500000E-02	7.500000E-02	7.500000E-02	7.500000E-02	NONE	WPO35597	Y	N/A
256	3,5	CONSTANT	7.500000E-02	7.500000E-02	7.500000E-02	7.500000E-02	NONE	WPO40514	Y	N/A
257	1,3	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO35597	Y	N/A
257	1,3	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO36051	Y	N/A
257	1,3	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO40514	Y	N/A
258	1,3	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	VAUGHN: WORKSHEET-1	Y	N/A
258	1,3	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO35597	Y	N/A
258	1,3	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO40514	Y	N/A
259	1,3	CONSTANT	-1.500000E+01	-1.500000E+01	-1.500000E+01	-1.500000E+01	log(m^2)	VAUGHN: WORKSHEET-4	Y	N/A
259	1,3	CONSTANT	-1.500000E+01	-1.500000E+01	-1.500000E+01	-1.500000E+01	log(m^2)	WPO35597	Y	N/A
259	1,3	CONSTANT	-1.500000E+01	-1.500000E+01	-1.500000E+01	-1.500000E+01	log(m^2)	WPO40514	Y	N/A
260	1,3	CONSTANT	-1.500000E+01	-1.500000E+01	-1.500000E+01	-1.500000E+01	log(m^2)	VAUGHN: WORKSHEET-4	Y	N/A
260	1,3	CONSTANT	-1.500000E+01	-1.500000E+01	-1.500000E+01	-1.500000E+01	log(m^2)	WPO35597	Y	N/A
260	1,3	CONSTANT	-1.500000E+01	-1.500000E+01	-1.500000E+01	-1.500000E+01	log(m^2)	WPO40514	Y	N/A
261	1,3	CONSTANT	-1.500000E+01	-1.500000E+01	-1.500000E+01	-1.500000E+01	log(m^2)	VAUGHN: WORKSHEET-4	Y	N/A
261	1,3	CONSTANT	-1.500000E+01	-1.500000E+01	-1.500000E+01	-1.500000E+01	log(m^2)	WPO35597	Y	N/A
261	1,3	CONSTANT	-1.500000E+01	-1.500000E+01	-1.500000E+01	-1.500000E+01	log(m^2)	WPO40514	Y	N/A
264	1,3	CONSTANT	4.000000E+00	4.000000E+00	4.000000E+00	4.000000E+00	NONE	VAUGHN: WORKSHEET-4	Y	N/A
264	1,3	CONSTANT	4.000000E+00	4.000000E+00	4.000000E+00	4.000000E+00	NONE	WPO35597	Y	N/A

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 454 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		264	PAN_SEAL	Panel Seal	RELP_MOD	Model number, relative permeability model	33131	02-Nov-95	Y	4B
Y		265	PAN_SEAL	Panel Seal	SAT_RBRN	Residual Brine Saturation	33139	02-Nov-95	Y	4B
Y		265	PAN_SEAL	Panel Seal	SAT_RBRN	Residual Brine Saturation	33139	02-Nov-95	Y	4B
Y		265	PAN_SEAL	Panel Seal	SAT_RBRN	Residual Brine Saturation	33139	02-Nov-95	Y	4B
Y		266	PAN_SEAL	Panel Seal	SAT_RGAS	Residual Gas Saturation	33141	02-Nov-95	Y	4B
Y		266	PAN_SEAL	Panel Seal	SAT_RGAS	Residual Gas Saturation	33141	02-Nov-95	Y	4B
Y		266	PAN_SEAL	Panel Seal	SAT_RGAS	Residual Gas Saturation	33141	02-Nov-95	Y	4B
Y		282	PB	Lead	LOGSOLM	Log of the Radionuclide Solubility	33213	13-May-96	Y	4B
Y		282	PB	Lead	LOGSOLM	Log of the Radionuclide Solubility	33213	13-May-96	Y	4B
Y		282	PB	Lead	LOGSOLM	Log of the Radionuclide Solubility	33213	13-May-96	Y	4B
Y	0.01	283	PB210	Lead 210	ATWEIGHT	Atomic Weight in kg/mole	32338	02-Nov-95	Y	3
Y	0.01	283	PB210	Lead 210	ATWEIGHT	Atomic Weight in kg/mole	32338	02-Nov-95	Y	3
Y	0.01	283	PB210	Lead 210	ATWEIGHT	Atomic Weight in kg/mole	32338	02-Nov-95	Y	3
Y	100	284	PB210	Lead 210	HALFLIFE	Half-life	33218	16-Apr-96	Y	3
Y	100	284	PB210	Lead 210	HALFLIFE	Half-life	33218	16-Apr-96	Y	3
Y	100	284	PB210	Lead 210	HALFLIFE	Half-life	33218	16-Apr-96	Y	3
Y		285	PB210	Lead 210	INVCHD	Inventory of Contact Handled Design	33221A	29-Oct-96	Y	2
Y		285	PB210	Lead 210	INVCHD	Inventory of Contact Handled Design	33221A	29-Oct-96	Y	2
Y		285	PB210	Lead 210	INVCHD	Inventory of Contact Handled Design	33221A	29-Oct-96	Y	2
Y		286	PB210	Lead 210	INVRHD	Inventory of Remote Handled Design	33223A	29-Oct-96	Y	2
Y		286	PB210	Lead 210	INVRHD	Inventory of Remote Handled Design	33223A	29-Oct-96	Y	2
Y		286	PB210	Lead 210	INVRHD	Inventory of Remote Handled Design	33223A	29-Oct-96	Y	2
Y	0.06	287	PM147	Promethium 147	ATWEIGHT	Atomic Weight in kg/mole	32339	02-Nov-95	Y	3
Y	0.06	287	PM147	Promethium 147	ATWEIGHT	Atomic Weight in kg/mole	32339	02-Nov-95	Y	3
Y	0.06	287	PM147	Promethium 147	ATWEIGHT	Atomic Weight in kg/mole	32339	02-Nov-95	Y	3
Y	100	288	PM147	Promethium 147	HALFLIFE	Half-life	33231	16-Apr-96	Y	3
Y	100	288	PM147	Promethium 147	HALFLIFE	Half-life	33231	16-Apr-96	Y	3
Y	100	288	PM147	Promethium 147	HALFLIFE	Half-life	33231	16-Apr-96	Y	3
Y		289	PM147	Promethium 147	INVRHD	Inventory of Remote Handled Design	33236A	29-Oct-96	Y	2
Y		289	PM147	Promethium 147	INVRHD	Inventory of Remote Handled Design	33236A	29-Oct-96	Y	2
Y		289	PM147	Promethium 147	INVRHD	Inventory of Remote Handled Design	33236A	29-Oct-96	Y	2
Y	0.02	291	PU238	Plutonium 238	ATWEIGHT	Atomic Weight in kg/mole	32340	02-Nov-95	Y	3
Y	0.02	291	PU238	Plutonium 238	ATWEIGHT	Atomic Weight in kg/mole	32340	02-Nov-95	Y	3
Y	0.02	291	PU238	Plutonium 238	ATWEIGHT	Atomic Weight in kg/mole	32340	02-Nov-95	Y	3
Y	100	292	PU238	Plutonium 238	HALFLIFE	Half-life	33245	16-Apr-96	Y	3
Y	100	292	PU238	Plutonium 238	HALFLIFE	Half-life	33245	16-Apr-96	Y	3
Y	100	292	PU238	Plutonium 238	HALFLIFE	Half-life	33245	16-Apr-96	Y	3
Y		293	PU238	Plutonium 238	INVCHD	Inventory of Contact Handled Design	33247A	29-Oct-96	Y	2
Y		293	PU238	Plutonium 238	INVCHD	Inventory of Contact Handled Design	33247A	29-Oct-96	Y	2
Y		293	PU238	Plutonium 238	INVCHD	Inventory of Contact Handled Design	33247A	29-Oct-96	Y	2
Y		293	PU238	Plutonium 238	INVCHD	Inventory of Contact Handled Design	33247A	29-Oct-96	Y	2
Y		294	PU238	Plutonium 238	INVRHD	Inventory of Remote Handled Design	33251A	29-Oct-96	Y	2
Y		294	PU238	Plutonium 238	INVRHD	Inventory of Remote Handled Design	33251A	29-Oct-96	Y	2

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NOA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
264	1,3	CONSTANT	4.000000E+00	4.000000E+00	4.000000E+00	4.000000E+00	NONE	WPO40514	Y	N/A
265	1,3	CONSTANT	2.000000E-01	2.000000E-01	2.000000E-01	2.000000E-01	NONE	VAUGHN: WORKSHEET-4	Y	N/A
265	1,3	CONSTANT	2.000000E-01	2.000000E-01	2.000000E-01	2.000000E-01	NONE	WPO35597	Y	N/A
265	1,3	CONSTANT	2.000000E-01	2.000000E-01	2.000000E-01	2.000000E-01	NONE	WPO40514	Y	N/A
266	1,3	CONSTANT	2.000000E-01	2.000000E-01	2.000000E-01	2.000000E-01	NONE	VAUGHN: WORKSHEET-4	Y	N/A
266	1,3	CONSTANT	2.000000E-01	2.000000E-01	2.000000E-01	2.000000E-01	NONE	WPO35597	Y	N/A
266	1,3	CONSTANT	2.000000E-01	2.000000E-01	2.000000E-01	2.000000E-01	NONE	WPO40514	Y	N/A
282	Not Used	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	log(moles/l)	SAND92-0479	Y	N/A
282	Not Used	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	log(moles/l)	WPO37401	Y	N/A
282	Not Used	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	log(moles/l)	WPO40515	Y	N/A
283	4	CONSTANT	2.0998400E-01	2.0998400E-01	2.0998400E-01	2.0998400E-01	kg/mole	CRC-72	Y	N/A
283	4	CONSTANT	2.0998400E-01	2.0998400E-01	2.0998400E-01	2.0998400E-01	kg/mole	WPO36298	Y	N/A
283	4	CONSTANT	2.0998400E-01	2.0998400E-01	2.0998400E-01	2.0998400E-01	kg/mole	WPO36301	Y	N/A
284	4	CONSTANT	7.0370000E+08	7.0370000E+08	7.0370000E+08	7.0370000E+08	s	WPO36301	Y	N/A
284	4	CONSTANT	7.0370000E+08	7.0370000E+08	7.0370000E+08	7.0370000E+08	s	WPO37404	Y	N/A
284	4	CONSTANT	7.0370000E+08	7.0370000E+08	7.0370000E+08	7.0370000E+08	s	WPO40434	Y	N/A
285	2	CONSTANT	8.7500000E+00	8.7500000E+00	8.7500000E+00	8.7500000E+00	Ci	WPO37061	Y	N/A
285	2	CONSTANT	8.7500000E+00	8.7500000E+00	8.7500000E+00	8.7500000E+00	Ci	WPO41559	Y	N/A
285	2	CONSTANT	8.7500000E+00	8.7500000E+00	8.7500000E+00	8.7500000E+00	Ci	WPO41560	Y	N/A
286	2	CONSTANT	1.1400000E-04	1.1400000E-04	1.1400000E-04	1.1400000E-04	Ci	WPO37061	Y	N/A
286	2	CONSTANT	1.1400000E-04	1.1400000E-04	1.1400000E-04	1.1400000E-04	Ci	WPO41559	Y	N/A
286	2	CONSTANT	1.1400000E-04	1.1400000E-04	1.1400000E-04	1.1400000E-04	Ci	WPO41560	Y	N/A
287	4	CONSTANT	1.4691500E-01	1.4691500E-01	1.4691500E-01	1.4691500E-01	kg/mole	CRC-72	Y	N/A
287	4	CONSTANT	1.4691500E-01	1.4691500E-01	1.4691500E-01	1.4691500E-01	kg/mole	WPO36298	Y	N/A
287	4	CONSTANT	1.4691500E-01	1.4691500E-01	1.4691500E-01	1.4691500E-01	kg/mole	WPO36301	Y	N/A
288	4	CONSTANT	8.2790000E+07	8.2790000E+07	8.2790000E+07	8.2790000E+07	s	WPO36301	Y	N/A
288	4	CONSTANT	8.2790000E+07	8.2790000E+07	8.2790000E+07	8.2790000E+07	s	WPO37404	Y	N/A
288	4	CONSTANT	8.2790000E+07	8.2790000E+07	8.2790000E+07	8.2790000E+07	s	WPO40434	Y	N/A
289	2	CONSTANT	4.6700000E-04	4.6700000E-04	4.6700000E-04	4.6700000E-04	Ci	WPO37061	Y	N/A
289	2	CONSTANT	4.6700000E-04	4.6700000E-04	4.6700000E-04	4.6700000E-04	Ci	WPO41559	Y	N/A
289	2	CONSTANT	4.6700000E-04	4.6700000E-04	4.6700000E-04	4.6700000E-04	Ci	WPO41560	Y	N/A
291	4	CONSTANT	2.3805000E-01	2.3805000E-01	2.3805000E-01	2.3805000E-01	kg/mole	CRC-72	Y	N/A
291	4	CONSTANT	2.3805000E-01	2.3805000E-01	2.3805000E-01	2.3805000E-01	kg/mole	WPO36298	Y	N/A
291	4	CONSTANT	2.3805000E-01	2.3805000E-01	2.3805000E-01	2.3805000E-01	kg/mole	WPO36301	Y	N/A
292	4	CONSTANT	2.7690000E+09	2.7690000E+09	2.7690000E+09	2.7690000E+09	s	WPO36301	Y	N/A
292	4	CONSTANT	2.7690000E+09	2.7690000E+09	2.7690000E+09	2.7690000E+09	s	WPO37404	Y	N/A
292	4	CONSTANT	2.7690000E+09	2.7690000E+09	2.7690000E+09	2.7690000E+09	s	WPO40434	Y	N/A
293	2	CONSTANT	1.9300000E+06	1.9300000E+06	1.9300000E+06	1.9300000E+06	Ci	WPO37061	Y	N/A
293	2	CONSTANT	1.9300000E+06	1.9300000E+06	1.9300000E+06	1.9300000E+06	Ci	WPO39260	Y	N/A
293	2	CONSTANT	1.9300000E+06	1.9300000E+06	1.9300000E+06	1.9300000E+06	Ci	WPO41559	Y	N/A
293	2	CONSTANT	1.9300000E+06	1.9300000E+06	1.9300000E+06	1.9300000E+06	Ci	WPO41560	Y	N/A
294	2	CONSTANT	1.0800000E+03	1.0800000E+03	1.0800000E+03	1.0800000E+03	Ci	WPO37061	Y	N/A
294	2	CONSTANT	1.0800000E+03	1.0800000E+03	1.0800000E+03	1.0800000E+03	Ci	WPO39260	Y	N/A

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 454 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		294	PU238	Plutonium 238	INVRHD	Inventory of Remote Handled Design	33251A	29-Oct-96	Y	2
Y		294	PU238	Plutonium 238	INVRHD	Inventory of Remote Handled Design	33251A	29-Oct-96	Y	2
Y	0.02	295	PU239	Plutonium 239	ATWEIGHT	Atomic Weight in kg/mole	32341	02-Nov-95	Y	3
Y	0.02	295	PU239	Plutonium 239	ATWEIGHT	Atomic Weight in kg/mole	32341	02-Nov-95	Y	3
Y	0.02	295	PU239	Plutonium 239	ATWEIGHT	Atomic Weight in kg/mole	32341	02-Nov-95	Y	3
Y	100	296	PU239	Plutonium 239	HALFLIFE	Half-life	33256	16-Apr-96	Y	3
Y	100	296	PU239	Plutonium 239	HALFLIFE	Half-life	33256	16-Apr-96	Y	3
Y	100	296	PU239	Plutonium 239	HALFLIFE	Half-life	33256	16-Apr-96	Y	3
Y		297	PU239	Plutonium 239	INVCHD	Inventory of Contact Handled Design	33260A	29-Oct-96	Y	2
Y		297	PU239	Plutonium 239	INVCHD	Inventory of Contact Handled Design	33260A	29-Oct-96	Y	2
Y		297	PU239	Plutonium 239	INVCHD	Inventory of Contact Handled Design	33260A	29-Oct-96	Y	2
Y		297	PU239	Plutonium 239	INVCHD	Inventory of Contact Handled Design	33260A	29-Oct-96	Y	2
Y		298	PU239	Plutonium 239	INVRHD	Inventory of Remote Handled Design	33262A	29-Oct-96	Y	2
Y		298	PU239	Plutonium 239	INVRHD	Inventory of Remote Handled Design	33262A	29-Oct-96	Y	2
Y		298	PU239	Plutonium 239	INVRHD	Inventory of Remote Handled Design	33262A	29-Oct-96	Y	2
Y		298	PU239	Plutonium 239	INVRHD	Inventory of Remote Handled Design	33262A	29-Oct-96	Y	2
Y	0.02	299	PU240	Plutonium 240	ATWEIGHT	Atomic Weight in kg/mole	32342	02-Nov-95	Y	3
Y	0.02	299	PU240	Plutonium 240	ATWEIGHT	Atomic Weight in kg/mole	32342	02-Nov-95	Y	3
Y	0.02	299	PU240	Plutonium 240	ATWEIGHT	Atomic Weight in kg/mole	32342	02-Nov-95	Y	3
Y	100	300	PU240	Plutonium 240	HALFLIFE	Half-life	33265	16-Apr-96	Y	3
Y	100	300	PU240	Plutonium 240	HALFLIFE	Half-life	33265	16-Apr-96	Y	3
Y	100	300	PU240	Plutonium 240	HALFLIFE	Half-life	33265	16-Apr-96	Y	3
Y		301	PU240	Plutonium 240	INVCHD	Inventory of Contact Handled Design	33267A	29-Oct-96	Y	2
Y		301	PU240	Plutonium 240	INVCHD	Inventory of Contact Handled Design	33267A	29-Oct-96	Y	2
Y		301	PU240	Plutonium 240	INVCHD	Inventory of Contact Handled Design	33267A	29-Oct-96	Y	2
Y		301	PU240	Plutonium 240	INVCHD	Inventory of Contact Handled Design	33267A	29-Oct-96	Y	2
Y		302	PU240	Plutonium 240	INVRHD	Inventory of Remote Handled Design	33268A	29-Oct-96	Y	2
Y		302	PU240	Plutonium 240	INVRHD	Inventory of Remote Handled Design	33268A	29-Oct-96	Y	2
Y		302	PU240	Plutonium 240	INVRHD	Inventory of Remote Handled Design	33268A	29-Oct-96	Y	2
Y		302	PU240	Plutonium 240	INVRHD	Inventory of Remote Handled Design	33268A	29-Oct-96	Y	2
Y	0.02	303	PU241	Plutonium 241	ATWEIGHT	Atomic Weight in kg/mole	32343	02-Nov-95	Y	3
Y	0.02	303	PU241	Plutonium 241	ATWEIGHT	Atomic Weight in kg/mole	32343	02-Nov-95	Y	3
Y	0.02	303	PU241	Plutonium 241	ATWEIGHT	Atomic Weight in kg/mole	32343	02-Nov-95	Y	3
Y	100	304	PU241	Plutonium 241	HALFLIFE	Half-life	33292	16-Apr-96	Y	3
Y	100	304	PU241	Plutonium 241	HALFLIFE	Half-life	33292	16-Apr-96	Y	3
Y	100	304	PU241	Plutonium 241	HALFLIFE	Half-life	33292	16-Apr-96	Y	3
Y		305	PU241	Plutonium 241	INVCHD	Inventory of Contact Handled Design	33270A	29-Oct-96	Y	2
Y		305	PU241	Plutonium 241	INVCHD	Inventory of Contact Handled Design	33270A	29-Oct-96	Y	2
Y		305	PU241	Plutonium 241	INVCHD	Inventory of Contact Handled Design	33270A	29-Oct-96	Y	2
Y		305	PU241	Plutonium 241	INVCHD	Inventory of Contact Handled Design	33270A	29-Oct-96	Y	2
Y		306	PU241	Plutonium 241	INVRHD	Inventory of Remote Handled Design	33271A	29-Oct-96	Y	2
Y		306	PU241	Plutonium 241	INVRHD	Inventory of Remote Handled Design	33271A	29-Oct-96	Y	2

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
294	2	CONSTANT	1.0800000E+03	1.0800000E+03	1.0800000E+03	1.0800000E+03	Ci	WPO41559	Y	N/A
294	2	CONSTANT	1.0800000E+03	1.0800000E+03	1.0800000E+03	1.0800000E+03	Ci	WPO41560	Y	N/A
295	4	CONSTANT	2.3905200E-01	2.3905200E-01	2.3905200E-01	2.3905200E-01	kg/mole	CRC-72	Y	N/A
295	4	CONSTANT	2.3905200E-01	2.3905200E-01	2.3905200E-01	2.3905200E-01	kg/mole	WPO36298	Y	N/A
295	4	CONSTANT	2.3905200E-01	2.3905200E-01	2.3905200E-01	2.3905200E-01	kg/mole	WPO36301	Y	N/A
296	4	CONSTANT	7.5940000E+11	7.5940000E+11	7.5940000E+11	7.5940000E+11	s	WPO36301	Y	N/A
296	4	CONSTANT	7.5940000E+11	7.5940000E+11	7.5940000E+11	7.5940000E+11	s	WPO37404	Y	N/A
296	4	CONSTANT	7.5940000E+11	7.5940000E+11	7.5940000E+11	7.5940000E+11	s	WPO40434	Y	N/A
297	2	CONSTANT	7.8500000E+05	7.8500000E+05	7.8500000E+05	7.8500000E+05	Ci	WPO37061	Y	N/A
297	2	CONSTANT	7.8500000E+05	7.8500000E+05	7.8500000E+05	7.8500000E+05	Ci	WPO39260	Y	N/A
297	2	CONSTANT	7.8500000E+05	7.8500000E+05	7.8500000E+05	7.8500000E+05	Ci	WPO41559	Y	N/A
297	2	CONSTANT	7.8500000E+05	7.8500000E+05	7.8500000E+05	7.8500000E+05	Ci	WPO41560	Y	N/A
298	2	CONSTANT	1.0300000E+04	1.0300000E+04	1.0300000E+04	1.0300000E+04	Ci	WPO37061	Y	N/A
298	2	CONSTANT	1.0300000E+04	1.0300000E+04	1.0300000E+04	1.0300000E+04	Ci	WPO39260	Y	N/A
298	2	CONSTANT	1.0300000E+04	1.0300000E+04	1.0300000E+04	1.0300000E+04	Ci	WPO41559	Y	N/A
298	2	CONSTANT	1.0300000E+04	1.0300000E+04	1.0300000E+04	1.0300000E+04	Ci	WPO41560	Y	N/A
299	4	CONSTANT	2.4005400E-01	2.4005400E-01	2.4005400E-01	2.4005400E-01	kg/mole	CRC-72	Y	N/A
299	4	CONSTANT	2.4005400E-01	2.4005400E-01	2.4005400E-01	2.4005400E-01	kg/mole	WPO36298	Y	N/A
299	4	CONSTANT	2.4005400E-01	2.4005400E-01	2.4005400E-01	2.4005400E-01	kg/mole	WPO36301	Y	N/A
300	4	CONSTANT	2.0630000E+11	2.0630000E+11	2.0630000E+11	2.0630000E+11	s	WPO36301	Y	N/A
300	4	CONSTANT	2.0630000E+11	2.0630000E+11	2.0630000E+11	2.0630000E+11	s	WPO37404	Y	N/A
300	4	CONSTANT	2.0630000E+11	2.0630000E+11	2.0630000E+11	2.0630000E+11	s	WPO40434	Y	N/A
301	2	CONSTANT	2.0900000E+05	2.0900000E+05	2.0900000E+05	2.0900000E+05	Ci	WPO37061	Y	N/A
301	2	CONSTANT	2.0900000E+05	2.0900000E+05	2.0900000E+05	2.0900000E+05	Ci	WPO39260	Y	N/A
301	2	CONSTANT	2.0900000E+05	2.0900000E+05	2.0900000E+05	2.0900000E+05	Ci	WPO41559	Y	N/A
301	2	CONSTANT	2.0900000E+05	2.0900000E+05	2.0900000E+05	2.0900000E+05	Ci	WPO41560	Y	N/A
302	2	CONSTANT	5.0500000E+03	5.0500000E+03	5.0500000E+03	5.0500000E+03	Ci	WPO37061	Y	N/A
302	2	CONSTANT	5.0500000E+03	5.0500000E+03	5.0500000E+03	5.0500000E+03	Ci	WPO39260	Y	N/A
302	2	CONSTANT	5.0500000E+03	5.0500000E+03	5.0500000E+03	5.0500000E+03	Ci	WPO41559	Y	N/A
302	2	CONSTANT	5.0500000E+03	5.0500000E+03	5.0500000E+03	5.0500000E+03	Ci	WPO41560	Y	N/A
303	4	CONSTANT	2.4105700E-01	2.4105700E-01	2.4105700E-01	2.4105700E-01	kg/mole	CRC-72	Y	N/A
303	4	CONSTANT	2.4105700E-01	2.4105700E-01	2.4105700E-01	2.4105700E-01	kg/mole	WPO36298	Y	N/A
303	4	CONSTANT	2.4105700E-01	2.4105700E-01	2.4105700E-01	2.4105700E-01	kg/mole	WPO36301	Y	N/A
304	4	CONSTANT	4.5440000E+08	4.5440000E+08	4.5440000E+08	4.5440000E+08	s	WPO36301	Y	N/A
304	4	CONSTANT	4.5440000E+08	4.5440000E+08	4.5440000E+08	4.5440000E+08	s	WPO37404	Y	N/A
304	4	CONSTANT	4.5440000E+08	4.5440000E+08	4.5440000E+08	4.5440000E+08	s	WPO40434	Y	N/A
305	2	CONSTANT	3.7100000E+05	3.7100000E+05	3.7100000E+05	3.7100000E+05	Ci	WPO37061	Y	N/A
305	2	CONSTANT	3.7100000E+05	3.7100000E+05	3.7100000E+05	3.7100000E+05	Ci	WPO39260	Y	N/A
305	2	CONSTANT	3.7100000E+05	3.7100000E+05	3.7100000E+05	3.7100000E+05	Ci	WPO41559	Y	N/A
305	2	CONSTANT	3.7100000E+05	3.7100000E+05	3.7100000E+05	3.7100000E+05	Ci	WPO41560	Y	N/A
306	2	CONSTANT	2.2800000E+04	2.2800000E+04	2.2800000E+04	2.2800000E+04	Ci	WPO37061	Y	N/A
306	2	CONSTANT	2.2800000E+04	2.2800000E+04	2.2800000E+04	2.2800000E+04	Ci	WPO39260	Y	N/A

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 454 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		306	PU241	Plutonium 241	INVRHD	Inventory of Remote Handled Design	33271A	29-Oct-96	Y	2
Y		306	PU241	Plutonium 241	INVRHD	Inventory of Remote Handled Design	33271A	29-Oct-96	Y	2
Y	0.02	307	PU242	Plutonium 242	ATWEIGHT	Atomic Weight in kg/mole	32344	02-Nov-95	Y	3
Y	0.02	307	PU242	Plutonium 242	ATWEIGHT	Atomic Weight in kg/mole	32344	02-Nov-95	Y	3
Y	0.02	307	PU242	Plutonium 242	ATWEIGHT	Atomic Weight in kg/mole	32344	02-Nov-95	Y	3
Y	100	308	PU242	Plutonium 242	HALFLIFE	Half-life	33295	16-Apr-96	Y	3
Y	100	308	PU242	Plutonium 242	HALFLIFE	Half-life	33295	16-Apr-96	Y	3
Y	100	308	PU242	Plutonium 242	HALFLIFE	Half-life	33295	16-Apr-96	Y	3
Y		309	PU242	Plutonium 242	INVCHD	Inventory of Contact Handled Design	33274A	29-Oct-96	Y	2
Y		309	PU242	Plutonium 242	INVCHD	Inventory of Contact Handled Design	33274A	29-Oct-96	Y	2
Y		309	PU242	Plutonium 242	INVCHD	Inventory of Contact Handled Design	33274A	29-Oct-96	Y	2
Y		310	PU242	Plutonium 242	INVRHD	Inventory of Remote Handled Design	33272A	29-Oct-96	Y	2
Y		310	PU242	Plutonium 242	INVRHD	Inventory of Remote Handled Design	33272A	29-Oct-96	Y	2
Y		310	PU242	Plutonium 242	INVRHD	Inventory of Remote Handled Design	33272A	29-Oct-96	Y	2
Y	0.03	311	PU244	Plutonium 244	ATWEIGHT	Atomic Weight in kg/mole	32345	02-Nov-95	Y	3
Y	0.03	311	PU244	Plutonium 244	ATWEIGHT	Atomic Weight in kg/mole	32345	02-Nov-95	Y	3
Y	0.03	311	PU244	Plutonium 244	ATWEIGHT	Atomic Weight in kg/mole	32345	02-Nov-95	Y	3
Y	100	312	PU244	Plutonium 244	HALFLIFE	Half-life	33297	16-Apr-96	Y	3
Y	100	312	PU244	Plutonium 244	HALFLIFE	Half-life	33297	16-Apr-96	Y	3
Y	100	312	PU244	Plutonium 244	HALFLIFE	Half-life	33297	16-Apr-96	Y	3
Y		313	RA	Radium	LOGSOLM	Log of the Radionuclide Solubility	33455	01-May-96	Y	4B
Y		313	RA	Radium	LOGSOLM	Log of the Radionuclide Solubility	33455	01-May-96	Y	4B
Y	0.01	314	RA226	Radium 226	ATWEIGHT	Atomic Weight in kg/mole	32347	02-Nov-95	Y	3
Y	0.01	314	RA226	Radium 226	ATWEIGHT	Atomic Weight in kg/mole	32347	02-Nov-95	Y	3
Y	0.01	314	RA226	Radium 226	ATWEIGHT	Atomic Weight in kg/mole	32347	02-Nov-95	Y	3
Y	100	315	RA226	Radium 226	HALFLIFE	Half-life	33458	16-Apr-96	Y	3
Y	100	315	RA226	Radium 226	HALFLIFE	Half-life	33458	16-Apr-96	Y	3
Y	100	315	RA226	Radium 226	HALFLIFE	Half-life	33458	16-Apr-96	Y	3
Y		316	RA226	Radium 226	INVCHD	Inventory of Contact Handled Design	33462A	29-Oct-96	Y	2
Y		316	RA226	Radium 226	INVCHD	Inventory of Contact Handled Design	33462A	29-Oct-96	Y	2
Y		316	RA226	Radium 226	INVCHD	Inventory of Contact Handled Design	33462A	29-Oct-96	Y	2
Y		316	RA226	Radium 226	INVCHD	Inventory of Contact Handled Design	33462A	29-Oct-96	Y	2
Y		317	RA226	Radium 226	INVRHD	Inventory of Remote Handled Design	33464A	29-Oct-96	Y	2
Y		317	RA226	Radium 226	INVRHD	Inventory of Remote Handled Design	33464A	29-Oct-96	Y	2
Y		317	RA226	Radium 226	INVRHD	Inventory of Remote Handled Design	33464A	29-Oct-96	Y	2
Y		317	RA226	Radium 226	INVRHD	Inventory of Remote Handled Design	33464A	29-Oct-96	Y	2
Y	0.01	318	RA228	Radium 228	ATWEIGHT	Atomic Weight in kg/mole	32348	12-Feb-96	Y	3
Y	0.01	318	RA228	Radium 228	ATWEIGHT	Atomic Weight in kg/mole	32348	12-Feb-96	Y	3
Y	0.01	318	RA228	Radium 228	ATWEIGHT	Atomic Weight in kg/mole	32348	12-Feb-96	Y	3
Y	100	319	RA228	Radium 228	HALFLIFE	Half-life	33468	16-Apr-96	Y	3
Y	100	319	RA228	Radium 228	HALFLIFE	Half-life	33468	16-Apr-96	Y	3
Y	100	319	RA228	Radium 228	HALFLIFE	Half-life	33468	16-Apr-96	Y	3
Y		336	SANTAROS	Santa Rosa Formation	CAP_MOD	Model number, capillary pressure model	33485	22-Feb-96	Y	4B
Y		336	SANTAROS	Santa Rosa Formation	CAP_MOD	Model number, capillary pressure model	33485	22-Feb-96	Y	4B

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
306	2	CONSTANT	2.2800000E+04	2.2800000E+04	2.2800000E+04	2.2800000E+04	Ci	WPO41559	Y	N/A
306	2	CONSTANT	2.2800000E+04	2.2800000E+04	2.2800000E+04	2.2800000E+04	Ci	WPO41560	Y	N/A
307	4	CONSTANT	2.4205900E-01	2.4205900E-01	2.4205900E-01	2.4205900E-01	kg/mole	CRC-72	Y	N/A
307	4	CONSTANT	2.4205900E-01	2.4205900E-01	2.4205900E-01	2.4205900E-01	kg/mole	WPO36298	Y	N/A
307	4	CONSTANT	2.4205900E-01	2.4205900E-01	2.4205900E-01	2.4205900E-01	kg/mole	WPO36301	Y	N/A
308	4	CONSTANT	1.2210000E+13	1.2210000E+13	1.2210000E+13	1.2210000E+13	s	WPO36301	Y	N/A
308	4	CONSTANT	1.2210000E+13	1.2210000E+13	1.2210000E+13	1.2210000E+13	s	WPO37404	Y	N/A
308	4	CONSTANT	1.2210000E+13	1.2210000E+13	1.2210000E+13	1.2210000E+13	s	WPO40434	Y	N/A
309	2	CONSTANT	1.1700000E+03	1.1700000E+03	1.1700000E+03	1.1700000E+03	Ci	WPO37061	Y	N/A
309	2	CONSTANT	1.1700000E+03	1.1700000E+03	1.1700000E+03	1.1700000E+03	Ci	WPO41559	Y	N/A
309	2	CONSTANT	1.1700000E+03	1.1700000E+03	1.1700000E+03	1.1700000E+03	Ci	WPO41560	Y	N/A
310	2	CONSTANT	1.5000000E-01	1.5000000E-01	1.5000000E-01	1.5000000E-01	Ci	WPO37061	Y	N/A
310	2	CONSTANT	1.5000000E-01	1.5000000E-01	1.5000000E-01	1.5000000E-01	Ci	WPO41559	Y	N/A
310	2	CONSTANT	1.5000000E-01	1.5000000E-01	1.5000000E-01	1.5000000E-01	Ci	WPO41560	Y	N/A
311	4	CONSTANT	2.4406400E-01	2.4406400E-01	2.4406400E-01	2.4406400E-01	kg/mole	CRC-72	Y	N/A
311	4	CONSTANT	2.4406400E-01	2.4406400E-01	2.4406400E-01	2.4406400E-01	kg/mole	WPO36298	Y	N/A
311	4	CONSTANT	2.4406400E-01	2.4406400E-01	2.4406400E-01	2.4406400E-01	kg/mole	WPO36301	Y	N/A
312	4	CONSTANT	2.6070000E+15	2.6070000E+15	2.6070000E+15	2.6070000E+15	s	WPO36301	Y	N/A
312	4	CONSTANT	2.6070000E+15	2.6070000E+15	2.6070000E+15	2.6070000E+15	s	WPO37404	Y	N/A
312	4	CONSTANT	2.6070000E+15	2.6070000E+15	2.6070000E+15	2.6070000E+15	s	WPO40434	Y	N/A
313	Not Used	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0.0000000E+00	log(moles/l)	WPO36724	Y	N/A
313	Not Used	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0.0000000E+00	log(moles/l)	WPO40515	Y	N/A
314	4	CONSTANT	2.2602500E-01	2.2602500E-01	2.2602500E-01	2.2602500E-01	kg/mole	CRC-72	Y	N/A
314	4	CONSTANT	2.2602500E-01	2.2602500E-01	2.2602500E-01	2.2602500E-01	kg/mole	WPO36298	Y	N/A
314	4	CONSTANT	2.2602500E-01	2.2602500E-01	2.2602500E-01	2.2602500E-01	kg/mole	WPO36301	Y	N/A
315	4	CONSTANT	5.0490000E+10	5.0490000E+10	5.0490000E+10	5.0490000E+10	s	WPO36301	Y	N/A
315	4	CONSTANT	5.0490000E+10	5.0490000E+10	5.0490000E+10	5.0490000E+10	s	WPO37404	Y	N/A
315	4	CONSTANT	5.0490000E+10	5.0490000E+10	5.0490000E+10	5.0490000E+10	s	WPO40434	Y	N/A
316	2	CONSTANT	1.1400000E+01	1.1400000E+01	1.1400000E+01	1.1400000E+01	Ci	WPO37061	Y	N/A
316	2	CONSTANT	1.1400000E+01	1.1400000E+01	1.1400000E+01	1.1400000E+01	Ci	WPO39260	Y	N/A
316	2	CONSTANT	1.1400000E+01	1.1400000E+01	1.1400000E+01	1.1400000E+01	Ci	WPO41559	Y	N/A
316	2	CONSTANT	1.1400000E+01	1.1400000E+01	1.1400000E+01	1.1400000E+01	Ci	WPO41560	Y	N/A
317	2	CONSTANT	2.7900000E-04	2.7900000E-04	2.7900000E-04	2.7900000E-04	Ci	WPO37061	Y	N/A
317	2	CONSTANT	2.7900000E-04	2.7900000E-04	2.7900000E-04	2.7900000E-04	Ci	WPO39260	Y	N/A
317	2	CONSTANT	2.7900000E-04	2.7900000E-04	2.7900000E-04	2.7900000E-04	Ci	WPO41559	Y	N/A
317	2	CONSTANT	2.7900000E-04	2.7900000E-04	2.7900000E-04	2.7900000E-04	Ci	WPO41560	Y	N/A
318	4	CONSTANT	2.2803100E-01	2.2803100E-01	2.2803100E-01	2.2803100E-01	kg/mole	CRC-72	Y	N/A
318	4	CONSTANT	2.2803100E-01	2.2803100E-01	2.2803100E-01	2.2803100E-01	kg/mole	WPO36298	Y	N/A
318	4	CONSTANT	2.2803100E-01	2.2803100E-01	2.2803100E-01	2.2803100E-01	kg/mole	WPO36301	Y	N/A
319	4	CONSTANT	2.1143000E+08	2.1143000E+08	2.1143000E+08	2.1143000E+08	s	WPO36301	Y	N/A
319	4	CONSTANT	2.1143000E+08	2.1143000E+08	2.1143000E+08	2.1143000E+08	s	WPO37404	Y	N/A
319	4	CONSTANT	2.1143000E+08	2.1143000E+08	2.1143000E+08	2.1143000E+08	s	WPO40434	Y	N/A
336	1,3	CONSTANT	1.0000000E+00	1.0000000E+00	1.0000000E+00	1.0000000E+00	NONE	WPO31041	Y	N/A
336	1,3	CONSTANT	1.0000000E+00	1.0000000E+00	1.0000000E+00	1.0000000E+00	NONE	WPO35597	Y	N/A

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 464 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		336	SANTAROS	Santa Rosa Formation	CAP_MOD	Model number, capillary pressure model	33485	22-Feb-96	Y	4B
Y		336	SANTAROS	Santa Rosa Formation	CAP_MOD	Model number, capillary pressure model	33485	22-Feb-96	Y	4B
Y		337	SANTAROS	Santa Rosa Formation	COMP_RCK	Bulk Compressibility	33487	01-Nov-95	Y	4B
Y		337	SANTAROS	Santa Rosa Formation	COMP_RCK	Bulk Compressibility	33487	01-Nov-95	Y	4B
Y		339	SANTAROS	Santa Rosa Formation	PC_MAX	Maximum allowable capillary pressure	33530	20-Feb-96	Y	4B
Y		339	SANTAROS	Santa Rosa Formation	PC_MAX	Maximum allowable capillary pressure	33530	20-Feb-96	Y	4B
Y		339	SANTAROS	Santa Rosa Formation	PC_MAX	Maximum allowable capillary pressure	33530	20-Feb-96	Y	4B
Y		340	SANTAROS	Santa Rosa Formation	PORE_DIS	Brooks-Corey pore distribution parameter	33538	20-Feb-96	Y	4B
Y		340	SANTAROS	Santa Rosa Formation	PORE_DIS	Brooks-Corey pore distribution parameter	33538	20-Feb-96	Y	4B
Y		340	SANTAROS	Santa Rosa Formation	PORE_DIS	Brooks-Corey pore distribution parameter	33538	20-Feb-96	Y	4B
Y		341	SANTAROS	Santa Rosa Formation	POROSITY	Effective porosity	33542	01-Nov-95	Y	4B
Y		341	SANTAROS	Santa Rosa Formation	POROSITY	Effective porosity	33542	01-Nov-95	Y	4B
Y		341	SANTAROS	Santa Rosa Formation	POROSITY	Effective porosity	33542	01-Nov-95	Y	4B
Y		342	SANTAROS	Santa Rosa Formation	PO_MIN	Minimum brine pressure for capillary model KPC=3	33543	21-Feb-96	Y	4B
Y		342	SANTAROS	Santa Rosa Formation	PO_MIN	Minimum brine pressure for capillary model KPC=3	33543	21-Feb-96	Y	4B
Y		342	SANTAROS	Santa Rosa Formation	PO_MIN	Minimum brine pressure for capillary model KPC=3	33543	21-Feb-96	Y	4B
Y		343	SANTAROS	Santa Rosa Formation	PRESSURE	Brine far-field pore pressure	33544	22-Feb-96	Y	1
Y		343	SANTAROS	Santa Rosa Formation	PRESSURE	Brine far-field pore pressure	33544	22-Feb-96	Y	1
Y		343	SANTAROS	Santa Rosa Formation	PRESSURE	Brine far-field pore pressure	33544	22-Feb-96	Y	1
Y		344	SANTAROS	Santa Rosa Formation	PRMX_LOG	Log of intrinsic permeability, X-direction	33545	01-Nov-95	Y	4B
Y		344	SANTAROS	Santa Rosa Formation	PRMX_LOG	Log of intrinsic permeability, X-direction	33545	01-Nov-95	Y	4B
Y		345	SANTAROS	Santa Rosa Formation	PRMY_LOG	Log of intrinsic permeability, Y-direction	33546	01-Nov-95	Y	4B
Y		345	SANTAROS	Santa Rosa Formation	PRMY_LOG	Log of intrinsic permeability, Y-direction	33546	01-Nov-95	Y	4B
Y		346	SANTAROS	Santa Rosa Formation	PRMZ_LOG	Log of intrinsic permeability, Z-direction	33547	01-Nov-95	Y	4B
Y		346	SANTAROS	Santa Rosa Formation	PRMZ_LOG	Log of intrinsic permeability, Z-direction	33547	01-Nov-95	-Y	4B
Y		349	SANTAROS	Santa Rosa Formation	REL_P_MOD	Model number, relative permeability model	33550	01-Nov-95	Y	4B
Y		349	SANTAROS	Santa Rosa Formation	REL_P_MOD	Model number, relative permeability model	33550	01-Nov-95	Y	4B
Y		350	SANTAROS	Santa Rosa Formation	SAT_IBRN	Initial Brine Saturation	33552	22-Feb-96	Y	4B
Y		350	SANTAROS	Santa Rosa Formation	SAT_IBRN	Initial Brine Saturation	33552	22-Feb-96	Y	4B
Y		350	SANTAROS	Santa Rosa Formation	SAT_IBRN	Initial Brine Saturation	33552	22-Feb-96	Y	4B
Y		351	SANTAROS	Santa Rosa Formation	SAT_RBRN	Residual Brine Saturation	33554	22-Feb-96	Y	4B
Y		351	SANTAROS	Santa Rosa Formation	SAT_RBRN	Residual Brine Saturation	33554	22-Feb-96	Y	4B
Y		351	SANTAROS	Santa Rosa Formation	SAT_RBRN	Residual Brine Saturation	33554	22-Feb-96	Y	4B
Y		351	SANTAROS	Santa Rosa Formation	SAT_RBRN	Residual Brine Saturation	33554	22-Feb-96	Y	4B
Y		352	SANTAROS	Santa Rosa Formation	SAT_RGAS	Residual Gas Saturation	33557	20-Feb-96	Y	4B
Y		352	SANTAROS	Santa Rosa Formation	SAT_RGAS	Residual Gas Saturation	33557	20-Feb-96	Y	4B

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
336	1,3	CONSTANT	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	NONE	WPO40514	Y	N/A
336	1,3	CONSTANT	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	NONE	WS_PALMER	Y	N/A
337	1,3	CONSTANT	1.000000E-08	1.000000E-08	1.000000E-08	1.000000E-08	Pa^-1	WPO38568	Y	N/A
337	1,3	CONSTANT	1.000000E-08	1.000000E-08	1.000000E-08	1.000000E-08	Pa^-1	WPO40514	Y	N/A
339	1,3	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO31041	Y	N/A
339	1,3	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO35597	Y	N/A
339	1,3	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO40514	Y	N/A
340	1,3	CONSTANT	6.436000E-01	6.436000E-01	6.436000E-01	6.436000E-01	NONE	WPO31041	Y	N/A
340	1,3	CONSTANT	6.436000E-01	6.436000E-01	6.436000E-01	6.436000E-01	NONE	WPO35597	Y	N/A
340	1,3	CONSTANT	6.436000E-01	6.436000E-01	6.436000E-01	6.436000E-01	NONE	WPO40514	Y	N/A
341	1,3,4	CONSTANT	1.750000E-01	1.750000E-01	1.750000E-01	1.750000E-01	NONE	FREEZE-1	Y	N/A
341	1,3,4	CONSTANT	1.750000E-01	1.750000E-01	1.750000E-01	1.750000E-01	NONE	WPO40511	Y	N/A
341	1,3,4	CONSTANT	1.750000E-01	1.750000E-01	1.750000E-01	1.750000E-01	NONE	WPO40514	Y	N/A
342	1,3	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO35597	Y	N/A
342	1,3	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO36051	Y	N/A
342	1,3	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO40514	Y	N/A
343	1	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO30713	Y	1
343	1	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO32290	Y	1
343	1	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO35597	Y	1
344	1,3,4	CONSTANT	-1.000000E+01	-1.000000E+01	-1.000000E+01	-1.000000E+01	log(m^2)	WPO38568	Y	N/A
344	1,3,4	CONSTANT	-1.000000E+01	-1.000000E+01	-1.000000E+01	-1.000000E+01	log(m^2)	WPO40514	Y	N/A
345	1,3,4	CONSTANT	-1.000000E+01	-1.000000E+01	-1.000000E+01	-1.000000E+01	log(m^2)	WPO38568	Y	N/A
345	1,3,4	CONSTANT	-1.000000E+01	-1.000000E+01	-1.000000E+01	-1.000000E+01	log(m^2)	WPO40514	Y	N/A
346	1,3,4	CONSTANT	-1.000000E+01	-1.000000E+01	-1.000000E+01	-1.000000E+01	log(m^2)	WPO38568	Y	N/A
346	1,3,4	CONSTANT	-1.000000E+01	-1.000000E+01	-1.000000E+01	-1.000000E+01	log(m^2)	WPO40514	-Y	N/A
349	1,3	CONSTANT	4.000000E+00	4.000000E+00	4.000000E+00	4.000000E+00	NONE	WPO38568	Y	N/A
349	1,3	CONSTANT	4.000000E+00	4.000000E+00	4.000000E+00	4.000000E+00	NONE	WPO40514	Y	N/A
350	1,3	CONSTANT	8.363000E-02	8.363000E-02	8.363000E-02	8.363000E-02	NONE	WPO35597	Y	N/A
350	1,3	CONSTANT	8.363000E-02	8.363000E-02	8.363000E-02	8.363000E-02	NONE	WPO40514	Y	N/A
350	1,3	CONSTANT	8.363000E-02	8.363000E-02	8.363000E-02	8.363000E-02	NONE	WS_PALMER	Y	N/A
351	1,3	CONSTANT	8.363000E-02	8.363000E-02	8.363000E-02	8.363000E-02	NONE	WPO31041	Y	N/A
351	1,3	CONSTANT	8.363000E-02	8.363000E-02	8.363000E-02	8.363000E-02	NONE	WPO35597	Y	N/A
351	1,3	CONSTANT	8.363000E-02	8.363000E-02	8.363000E-02	8.363000E-02	NONE	WPO40514	Y	N/A
351	1,3	CONSTANT	8.363000E-02	8.363000E-02	8.363000E-02	8.363000E-02	NONE	WS_PALMER	Y	N/A
352	1,3	CONSTANT	7.711000E-02	7.711000E-02	7.711000E-02	7.711000E-02	NONE	WPO31041	Y	N/A
352	1,3	CONSTANT	7.711000E-02	7.711000E-02	7.711000E-02	7.711000E-02	NONE	WPO35597	Y	N/A

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 454 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		352	SANTAROS	Santa Rosa Formation	SAT_RGAS	Residual Gas Saturation	33557	20-Feb-96	Y	4B
Y		352	SANTAROS	Santa Rosa Formation	SAT_RGAS	Residual Gas Saturation	33557	20-Feb-96	Y	4B
Y	0.06	514	SM147	Samarium 147	ATWEIGHT	Atomic Weight in kg/mole	32455	02-Nov-95	Y	3
Y	0.06	514	SM147	Samarium 147	ATWEIGHT	Atomic Weight in kg/mole	32455	02-Nov-95	Y	3
Y	0.06	514	SM147	Samarium 147	ATWEIGHT	Atomic Weight in kg/mole	32455	02-Nov-95	Y	3
Y	100	515	SM147	Samarium 147	HALFLIFE	Half-life	34350	16-Apr-96	Y	3
Y	100	515	SM147	Samarium 147	HALFLIFE	Half-life	34350	16-Apr-96	Y	3
Y	100	515	SM147	Samarium 147	HALFLIFE	Half-life	34350	16-Apr-96	Y	3
Y	100	517	SR90	Strontium 90	HALFLIFE	Half-life	34353	16-Apr-96	Y	3
Y	100	517	SR90	Strontium 90	HALFLIFE	Half-life	34353	16-Apr-96	Y	3
Y	100	517	SR90	Strontium 90	HALFLIFE	Half-life	34353	16-Apr-96	Y	3
Y		518	SR90	Strontium 90	INVRHD	Inventory of Remote Handled Design	34355A	29-Oct-96	Y	2
Y		518	SR90	Strontium 90	INVRHD	Inventory of Remote Handled Design	34355A	29-Oct-96	Y	2
Y		518	SR90	Strontium 90	INVRHD	Inventory of Remote Handled Design	34355A	29-Oct-96	Y	2
Y		518	SR90	Strontium 90	INVRHD	Inventory of Remote Handled Design	34355A	29-Oct-96	Y	2
Y		520	S_ANH_AB	Salado anhydrite beds A and B, intact and fractured	CAP_MOD	Model number, capillary pressure model	34130	08-Feb-96	Y	4A
Y		520	S_ANH_AB	Salado anhydrite beds A and B, intact and fractured	CAP_MOD	Model number, capillary pressure model	34130	08-Feb-96	Y	4A
Y		521	S_ANH_AB	Salado anhydrite beds A and B, intact and fractured	COMP_RCK	Bulk Compressibility	34135	14-Feb-96	Y	4A
Y		521	S_ANH_AB	Salado anhydrite beds A and B, intact and fractured	COMP_RCK	Bulk Compressibility	34135	14-Feb-96	Y	4A
Y		521	S_ANH_AB	Salado anhydrite beds A and B, intact and fractured	COMP_RCK	Bulk Compressibility	34135	14-Feb-96	Y	4A
Y		522	S_ANH_AB	Salado anhydrite beds A and B, intact and fractured	PC_MAX	Maximum allowable capillary pressure	34185	11-Feb-96	Y	4A
Y		522	S_ANH_AB	Salado anhydrite beds A and B, intact and fractured	PC_MAX	Maximum allowable capillary pressure	34185	11-Feb-96	Y	4A
Y		524	S_ANH_AB	Salado anhydrite beds A and B, intact and fractured	PF_DELTA	Incremental pressure for full fracture development	34187	22-Feb-96	Y	4B
Y		524	S_ANH_AB	Salado anhydrite beds A and B, intact and fractured	PF_DELTA	Incremental pressure for full fracture development	34187	22-Feb-96	Y	4B
Y		524	S_ANH_AB	Salado anhydrite beds A and B, intact and fractured	PF_DELTA	Incremental pressure for full fracture development	34187	22-Feb-96	Y	4B
Y		524	S_ANH_AB	Salado anhydrite beds A and B, intact and fractured	PF_DELTA	Incremental pressure for full fracture development	34187	22-Feb-96	Y	4B
Y		526	S_ANH_AB	Salado anhydrite beds A and B, intact and fractured	PI_DELTA	Fracture initiation pressure increment	34190	22-Feb-96	Y	4B
Y		526	S_ANH_AB	Salado anhydrite beds A and B, intact and fractured	PI_DELTA	Fracture initiation pressure increment	34190	22-Feb-96	Y	4B
Y		526	S_ANH_AB	Salado anhydrite beds A and B, intact and fractured	PI_DELTA	Fracture initiation pressure increment	34190	22-Feb-96	Y	4B
Y		526	S_ANH_AB	Salado anhydrite beds A and B, intact and fractured	PI_DELTA	Fracture initiation pressure increment	34190	22-Feb-96	Y	4B
Y		527	S_ANH_AB	Salado anhydrite beds A and B, intact and fractured	PORE_DIS	Brooks-Corey pore distribution parameter	34192	22-Feb-96	Y	4A

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
352	1,3	CONSTANT	7.7110000E-02	7.7110000E-02	7.7110000E-02	7.7110000E-02	NONE	WPO40514	Y	N/A
352	1,3	CONSTANT	7.7110000E-02	7.7110000E-02	7.7110000E-02	7.7110000E-02	NONE	WS_PALMER	Y	N/A
514	4	CONSTANT	1.4691500E-01	1.4691500E-01	1.4691500E-01	1.4691500E-01	kg/mole	CRC-72	Y	N/A
514	4	CONSTANT	1.4691500E-01	1.4691500E-01	1.4691500E-01	1.4691500E-01	kg/mole	WPO36298	Y	N/A
514	4	CONSTANT	1.4691500E-01	1.4691500E-01	1.4691500E-01	1.4691500E-01	kg/mole	WPO36301	Y	N/A
515	4	CONSTANT	3.3770000E+18	3.3770000E+18	3.3770000E+18	3.3770000E+18	s	WPO36301	Y	N/A
515	4	CONSTANT	3.3770000E+18	3.3770000E+18	3.3770000E+18	3.3770000E+18	s	WPO37404	Y	N/A
515	4	CONSTANT	3.3770000E+18	3.3770000E+18	3.3770000E+18	3.3770000E+18	s	WPO40434	Y	N/A
517	4	CONSTANT	9.1900000E+08	9.1900000E+08	9.1900000E+08	9.1900000E+08	s	WPO36301	Y	N/A
517	4	CONSTANT	9.1900000E+08	9.1900000E+08	9.1900000E+08	9.1900000E+08	s	WPO37404	Y	N/A
517	4	CONSTANT	9.1900000E+08	9.1900000E+08	9.1900000E+08	9.1900000E+08	s	WPO40434	Y	N/A
518	2	CONSTANT	8.4500000E+04	8.4500000E+04	8.4500000E+04	8.4500000E+04	Ci	WPO37061	Y	N/A
518	2	CONSTANT	8.4500000E+04	8.4500000E+04	8.4500000E+04	8.4500000E+04	Ci	WPO39260	Y	N/A
518	2	CONSTANT	8.4500000E+04	8.4500000E+04	8.4500000E+04	8.4500000E+04	Ci	WPO41559	Y	N/A
518	2	CONSTANT	8.4500000E+04	8.4500000E+04	8.4500000E+04	8.4500000E+04	Ci	WPO41560	Y	N/A
520	1,3	CONSTANT	2.0000000E+00	2.0000000E+00	2.0000000E+00	2.0000000E+00	NONE	WPO30643	Y	N/A
520	1,3	CONSTANT	2.0000000E+00	2.0000000E+00	2.0000000E+00	2.0000000E+00	NONE	WPO35597	Y	N/A
521	1,3	STUDENT	8.2630000E-11	8.2630000E-11	1.0900000E-11	2.7500000E-10	Pa^-1	WPO31186	Y	N/A
521	1,3	STUDENT	8.2630000E-11	8.2630000E-11	1.0900000E-11	2.7500000E-10	Pa^-1	WPO35597	Y	N/A
521	1,3	STUDENT	8.2630000E-11	8.2630000E-11	1.0900000E-11	2.7500000E-10	Pa^-1	WPO36380	Y	N/A
522	1,3	CONSTANT	1.0000000E+08	1.0000000E+08	1.0000000E+08	1.0000000E+08	Pa	WPO30643	Y	N/A
522	1,3	CONSTANT	1.0000000E+08	1.0000000E+08	1.0000000E+08	1.0000000E+08	Pa	WPO35597	Y	N/A
524	1,3	CONSTANT	3.8000000E+06	3.8000000E+06	3.8000000E+06	3.8000000E+06	Pa	WPO35597	Y	N/A
524	1,3	CONSTANT	3.8000000E+06	3.8000000E+06	3.8000000E+06	3.8000000E+06	Pa	WPO38274	Y	N/A
524	1,3	CONSTANT	3.8000000E+06	3.8000000E+06	3.8000000E+06	3.8000000E+06	Pa	WPO38569	Y	N/A
524	1,3	CONSTANT	3.8000000E+06	3.8000000E+06	3.8000000E+06	3.8000000E+06	Pa	WPO40514	Y	N/A
526	1,3	CONSTANT	2.0000000E+05	2.0000000E+05	2.0000000E+05	2.0000000E+05	Pa	WPO35597	Y	N/A
526	1,3	CONSTANT	2.0000000E+05	2.0000000E+05	2.0000000E+05	2.0000000E+05	Pa	WPO38274	Y	N/A
526	1,3	CONSTANT	2.0000000E+05	2.0000000E+05	2.0000000E+05	2.0000000E+05	Pa	WPO38569	Y	N/A
526	1,3	CONSTANT	2.0000000E+05	2.0000000E+05	2.0000000E+05	2.0000000E+05	Pa	WPO40514	Y	N/A
527	1,3	STUDENT	6.4360000E-01	6.4360000E-01	4.9053000E-01	8.4178000E-01	NONE	WPO30643	Y	N/A

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Date Entry Date	Is the 454 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		527	S_ANH_AB	Salado anhydrite beds A and B, intact and fractured	PORE_DIS	Brooks-Corey pore distribution parameter	34192	22-Feb-96	Y	4A
Y		527	S_ANH_AB	Salado anhydrite beds A and B, intact and fractured	PORE_DIS	Brooks-Corey pore distribution parameter	34192	22-Feb-96	Y	4A
Y		528	S_ANH_AB	Salado anhydrite beds A and B, intact and fractured	POROSITY	Effective porosity	34193	21-Feb-96	Y	4A
Y		528	S_ANH_AB	Salado anhydrite beds A and B, intact and fractured	POROSITY	Effective porosity	34193	21-Feb-96	Y	4A
Y		528	S_ANH_AB	Salado anhydrite beds A and B, intact and fractured	POROSITY	Effective porosity	34193	21-Feb-96	Y	4A
Y		529	S_ANH_AB	Salado anhydrite beds A and B, intact and fractured	PO_MIN	Minimum brine pressure for capillary model KPC=3	34194	21-Feb-96	Y	4B
Y		529	S_ANH_AB	Salado anhydrite beds A and B, intact and fractured	PO_MIN	Minimum brine pressure for capillary model KPC=3	34194	21-Feb-96	Y	4B
Y		529	S_ANH_AB	Salado anhydrite beds A and B, intact and fractured	PO_MIN	Minimum brine pressure for capillary model KPC=3	34194	21-Feb-96	Y	4B
Y		531	S_ANH_AB	Salado anhydrite beds A and B, intact and fractured	PRMX_LOG	Log of intrinsic permeability, X-direction	34196	11-Feb-96	Y	4A
Y		531	S_ANH_AB	Salado anhydrite beds A and B, intact and fractured	PRMX_LOG	Log of intrinsic permeability, X-direction	34196	11-Feb-96	Y	4A
Y		531	S_ANH_AB	Salado anhydrite beds A and B, intact and fractured	PRMX_LOG	Log of intrinsic permeability, X-direction	34196	11-Feb-96	Y	4A
Y		531	S_ANH_AB	Salado anhydrite beds A and B, intact and fractured	PRMX_LOG	Log of intrinsic permeability, X-direction	34196	11-Feb-96	Y	4A
Y		531	S_ANH_AB	Salado anhydrite beds A and B, intact and fractured	PRMX_LOG	Log of intrinsic permeability, X-direction	34196	11-Feb-96	Y	4A
Y		531	S_ANH_AB	Salado anhydrite beds A and B, intact and fractured	PRMX_LOG	Log of intrinsic permeability, X-direction	34196	11-Feb-96	Y	4A
Y		532	S_ANH_AB	Salado anhydrite beds A and B, intact and fractured	PRMY_LOG	Log of intrinsic permeability, Y-direction	34197	11-Feb-96	Y	4A
Y		532	S_ANH_AB	Salado anhydrite beds A and B, intact and fractured	PRMY_LOG	Log of intrinsic permeability, Y-direction	34197	11-Feb-96	Y	4A
Y		532	S_ANH_AB	Salado anhydrite beds A and B, intact and fractured	PRMY_LOG	Log of intrinsic permeability, Y-direction	34197	11-Feb-96	Y	4A
Y		532	S_ANH_AB	Salado anhydrite beds A and B, intact and fractured	PRMY_LOG	Log of intrinsic permeability, Y-direction	34197	11-Feb-96	Y	4A
Y		532	S_ANH_AB	Salado anhydrite beds A and B, intact and fractured	PRMY_LOG	Log of intrinsic permeability, Y-direction	34197	11-Feb-96	Y	4A
Y		532	S_ANH_AB	Salado anhydrite beds A and B, intact and fractured	PRMY_LOG	Log of intrinsic permeability, Y-direction	34197	11-Feb-96	Y	4A
Y		533	S_ANH_AB	Salado anhydrite beds A and B, intact and fractured	PRMZ_LOG	Log of intrinsic permeability, Z-direction	34198	11-Feb-96	Y	4A
Y		533	S_ANH_AB	Salado anhydrite beds A and B, intact and fractured	PRMZ_LOG	Log of intrinsic permeability, Z-direction	34198	11-Feb-96	Y	4A
Y		533	S_ANH_AB	Salado anhydrite beds A and B, intact and fractured	PRMZ_LOG	Log of intrinsic permeability, Z-direction	34198	11-Feb-96	Y	4A
Y		533	S_ANH_AB	Salado anhydrite beds A and B, intact and fractured	PRMZ_LOG	Log of intrinsic permeability, Z-direction	34198	11-Feb-96	Y	4A

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
527	1,3	STUDENT	6.4360000E-01	6.4360000E-01	4.9053000E-01	8.4178000E-01	NONE	WPO35597	Y	N/A
527	1,3	STUDENT	6.4360000E-01	6.4360000E-01	4.9053000E-01	8.4178000E-01	NONE	WPO36380	Y	N/A
528	1,3	STUDENT	1.1000000E-02	1.1000000E-02	6.0000000E-03	1.7000000E-02	NONE	WPO30600	Y	N/A
528	1,3	STUDENT	1.1000000E-02	1.1000000E-02	6.0000000E-03	1.7000000E-02	NONE	WPO35597	Y	N/A
528	1,3	STUDENT	1.1000000E-02	1.1000000E-02	6.0000000E-03	1.7000000E-02	NONE	WPO36380	Y	N/A
529	1,3	CONSTANT	1.0132500E+05	1.0132500E+05	1.0132500E+05	1.0132500E+05	Pa	WPO35597	Y	N/A
529	1,3	CONSTANT	1.0132500E+05	1.0132500E+05	1.0132500E+05	1.0132500E+05	Pa	WPO36051	Y	N/A
529	1,3	CONSTANT	1.0132500E+05	1.0132500E+05	1.0132500E+05	1.0132500E+05	Pa	WPO40514	Y	N/A
531	1,3	STUDENT	-1.8890000E+01	-1.8890000E+01	-2.1000000E+01	-1.7100000E+01	log(m ²)	WPO30603	Y	N/A
531	1,3	STUDENT	-1.8890000E+01	-1.8890000E+01	-2.1000000E+01	-1.7100000E+01	log(m ²)	WPO31217	Y	N/A
531	1,3	STUDENT	-1.8890000E+01	-1.8890000E+01	-2.1000000E+01	-1.7100000E+01	log(m ²)	WPO35597	Y	N/A
531	1,3	STUDENT	-1.8890000E+01	-1.8890000E+01	-2.1000000E+01	-1.7100000E+01	log(m ²)	WPO36380	Y	N/A
531	1,3	STUDENT	-1.8890000E+01	-1.8890000E+01	-2.1000000E+01	-1.7100000E+01	log(m ²)	WPO39065	Y	N/A
531	1,3	STUDENT	-1.8890000E+01	-1.8890000E+01	-2.1000000E+01	-1.7100000E+01	log(m ²)	WPO39178	Y	N/A
532	1,3	STUDENT	-1.8890000E+01	-1.8890000E+01	-2.1000000E+01	-1.7100000E+01	log(m ²)	WPO30605	Y	N/A
532	1,3	STUDENT	-1.8890000E+01	-1.8890000E+01	-2.1000000E+01	-1.7100000E+01	log(m ²)	WPO31217	Y	N/A
532	1,3	STUDENT	-1.8890000E+01	-1.8890000E+01	-2.1000000E+01	-1.7100000E+01	log(m ²)	WPO35597	Y	N/A
532	1,3	STUDENT	-1.8890000E+01	-1.8890000E+01	-2.1000000E+01	-1.7100000E+01	log(m ²)	WPO36380	Y	N/A
532	1,3	STUDENT	-1.8890000E+01	-1.8890000E+01	-2.1000000E+01	-1.7100000E+01	log(m ²)	WPO39065	Y	N/A
532	1,3	STUDENT	-1.8890000E+01	-1.8890000E+01	-2.1000000E+01	-1.7100000E+01	log(m ²)	WPO39178	Y	N/A
533	1,3	STUDENT	-1.8890000E+01	-1.8890000E+01	-2.1000000E+01	-1.7100000E+01	log(m ²)	WPO30606	Y	N/A
533	1,3	STUDENT	-1.8890000E+01	-1.8890000E+01	-2.1000000E+01	-1.7100000E+01	log(m ²)	WPO31217	Y	N/A
533	1,3	STUDENT	-1.8890000E+01	-1.8890000E+01	-2.1000000E+01	-1.7100000E+01	log(m ²)	WPO35597	Y	N/A
533	1,3	STUDENT	-1.8890000E+01	-1.8890000E+01	-2.1000000E+01	-1.7100000E+01	log(m ²)	WPO36380	Y	N/A

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Date Entry Date	Is the 464 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		533	S_ANH_AB	Salado anhydrite beds A and B, intact and fractured	PRMZ_LOG	Log of intrinsic permeability, Z-direction	34198	11-Feb-96	Y	4A
Y		533	S_ANH_AB	Salado anhydrite beds A and B, intact and fractured	PRMZ_LOG	Log of intrinsic permeability, Z-direction	34198	11-Feb-96	Y	4A
Y		536	S_ANH_AB	Salado anhydrite beds A and B, intact and fractured	RELP_MOD	Model number, relative permeability model	34201	08-Feb-96	Y	4A
Y		536	S_ANH_AB	Salado anhydrite beds A and B, intact and fractured	RELP_MOD	Model number, relative permeability model	34201	08-Feb-96	Y	4A
Y		536	S_ANH_AB	Salado anhydrite beds A and B, intact and fractured	RELP_MOD	Model number, relative permeability model	34201	08-Feb-96	Y	4A
Y		537	S_ANH_AB	Salado anhydrite beds A and B, intact and fractured	SAT_IBRN	Initial Brine Saturation	34202	08-Feb-96	Y	4A
Y		537	S_ANH_AB	Salado anhydrite beds A and B, intact and fractured	SAT_IBRN	Initial Brine Saturation	34202	08-Feb-96	Y	4A
Y		538	S_ANH_AB	Salado anhydrite beds A and B, intact and fractured	SAT_RBRN	Residual Brine Saturation	34203	21-Nov-96	Y	4A
Y		538	S_ANH_AB	Salado anhydrite beds A and B, intact and fractured	SAT_RBRN	Residual Brine Saturation	34203	21-Nov-96	Y	4A
Y		538	S_ANH_AB	Salado anhydrite beds A and B, intact and fractured	SAT_RBRN	Residual Brine Saturation	34203	21-Nov-96	Y	4A
Y		539	S_ANH_AB	Salado anhydrite beds A and B, intact and fractured	SAT_RGAS	Residual Gas Saturation	34204	19-Feb-96	Y	4A
Y		539	S_ANH_AB	Salado anhydrite beds A and B, intact and fractured	SAT_RGAS	Residual Gas Saturation	34204	19-Feb-96	Y	4A
Y		539	S_ANH_AB	Salado anhydrite beds A and B, intact and fractured	SAT_RGAS	Residual Gas Saturation	34204	19-Feb-96	Y	4A
Y	100.00 hw	540	S_HALITE	Salado halite, intact	CAP_MOD	Model number, capillary pressure model	34208	01-Nov-95	Y	4B
Y	100.00 hw	540	S_HALITE	Salado halite, intact	CAP_MOD	Model number, capillary pressure model	34208	01-Nov-95	Y	4B
Y		541	S_HALITE	Salado halite, intact	COMP_RCK	Bulk Compressibility	34210	01-Feb-96	Y	1
Y		541	S_HALITE	Salado halite, intact	COMP_RCK	Bulk Compressibility	34210	01-Feb-96	Y	1
Y		541	S_HALITE	Salado halite, intact	COMP_RCK	Bulk Compressibility	34210	01-Feb-96	Y	1
Y		541	S_HALITE	Salado halite, intact	COMP_RCK	Bulk Compressibility	34210	01-Feb-96	Y	1
Y		542	S_HALITE	Salado halite, intact	PC_MAX	Maximum allowable capillary pressure	34379	01-Nov-95	Y	4B
Y		542	S_HALITE	Salado halite, intact	PC_MAX	Maximum allowable capillary pressure	34379	01-Nov-95	Y	4B
Y		543	S_HALITE	Salado halite, intact	PORE_DIS	Brooks-Corey pore distribution parameter	34385	01-Nov-95	Y	4B
Y		543	S_HALITE	Salado halite, intact	PORE_DIS	Brooks-Corey pore distribution parameter	34385	01-Nov-95	Y	4B
Y		544	S_HALITE	Salado halite, intact	POROSITY	Effective porosity	34387	01-Feb-96	Y	1
Y		544	S_HALITE	Salado halite, intact	POROSITY	Effective porosity	34387	01-Feb-96	Y	1
Y		544	S_HALITE	Salado halite, intact	POROSITY	Effective porosity	34387	01-Feb-96	Y	1
Y		545	S_HALITE	Salado halite, intact	PO_MIN	Minimum brine pressure for capillary model KPC=3	34391	21-Feb-96	Y	4B
Y		545	S_HALITE	Salado halite, intact	PO_MIN	Minimum brine pressure for capillary model KPC=3	34391	21-Feb-96	Y	4B
Y		545	S_HALITE	Salado halite, intact	PO_MIN	Minimum brine pressure for capillary model KPC=3	34391	21-Feb-96	Y	4B
Y		546	S_HALITE	Salado halite, intact	PRESSURE	Brine far-field pore pressure	34394	08-Feb-96	Y	1
Y		546	S_HALITE	Salado halite, intact	PRESSURE	Brine far-field pore pressure	34394	08-Feb-96	Y	1
Y		546	S_HALITE	Salado halite, intact	PRESSURE	Brine far-field pore pressure	34394	08-Feb-96	Y	1
Y		547	S_HALITE	Salado halite, intact	PRMX_LOG	Log of intrinsic permeability, X-direction	34397A	06-Mar-96	Y	1

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
533	1,3	STUDENT	-1.8890000E+01	-1.8890000E+01	-2.1000000E+01	-1.7100000E+01	log(m ²)	WPO39065	Y	N/A
533	1,3	STUDENT	-1.8890000E+01	-1.8890000E+01	-2.1000000E+01	-1.7100000E+01	log(m ²)	WPO39178	Y	N/A
536	1,3	DELTA	4.0000000E+00	4.0000000E+00	1.0000000E+00	4.0000000E+00	NONE	WPO30643	Y	N/A
536	1,3	DELTA	4.0000000E+00	4.0000000E+00	1.0000000E+00	4.0000000E+00	NONE	WPO35268	Y	N/A
536	1,3	DELTA	4.0000000E+00	4.0000000E+00	1.0000000E+00	4.0000000E+00	NONE	WPO35597	Y	N/A
537	1,3	CONSTANT	1.0000000E+00	1.0000000E+00	1.0000000E+00	1.0000000E+00	NONE	WPO30643	Y	N/A
537	1,3	CONSTANT	1.0000000E+00	1.0000000E+00	1.0000000E+00	1.0000000E+00	NONE	WPO35597	Y	N/A
538	1,3	STUDENT	8.3620000E-02	8.3620000E-02	7.7846000E-03	1.7401000E-01	NONE	WPO30643	Y	N/A
538	1,3	STUDENT	8.3620000E-02	8.3620000E-02	7.7846000E-03	1.7401000E-01	NONE	WPO35597	Y	N/A
538	1,3	STUDENT	8.3620000E-02	8.3620000E-02	7.7846000E-03	1.7401000E-01	NONE	WPO36380	Y	N/A
539	1,3	STUDENT	7.7110000E-02	7.7110000E-02	1.3980000E-02	1.9719000E-01	NONE	WPO30643	Y	N/A
539	1,3	STUDENT	7.7110000E-02	7.7110000E-02	1.3980000E-02	1.9719000E-01	NONE	WPO35597	Y	N/A
539	1,3	STUDENT	7.7110000E-02	7.7110000E-02	1.3980000E-02	1.9719000E-01	NONE	WPO36380	Y	N/A
540	1,3	CONSTANT	2.0000000E+00	2.0000000E+00	2.0000000E+00	2.0000000E+00	NONE	WPO38568	Y	N/A
540	1,3	CONSTANT	2.0000000E+00	2.0000000E+00	2.0000000E+00	2.0000000E+00	NONE	WPO40514	Y	N/A
541	1,3,5	UNIFORM	9.7500000E-11	9.7500000E-11	2.9400000E-12	1.9200000E-10	Pa ⁻¹	WPO30598	Y	1
541	1,3,5	UNIFORM	9.7500000E-11	9.7500000E-11	2.9400000E-12	1.9200000E-10	Pa ⁻¹	WPO31220	Y	1
541	1,3,5	UNIFORM	9.7500000E-11	9.7500000E-11	2.9400000E-12	1.9200000E-10	Pa ⁻¹	WPO35268	Y	1
541	1,3,5	UNIFORM	9.7500000E-11	9.7500000E-11	2.9400000E-12	1.9200000E-10	Pa ⁻¹	WPO35597	Y	1
542	3,5	CONSTANT	1.0000000E+08	1.0000000E+08	1.0000000E+08	1.0000000E+08	Pa	WPO38568	Y	N/A
542	3,5	CONSTANT	1.0000000E+08	1.0000000E+08	1.0000000E+08	1.0000000E+08	Pa	WPO40514	Y	N/A
543	1,3,4	CUMULATIVE	2.9000000E+00	7.0000000E-01	2.0000000E-01	1.0000000E+01	NONE	WPO38568	Y	N/A
543	1,3,4	CUMULATIVE	2.9000000E+00	7.0000000E-01	2.0000000E-01	1.0000000E+01	NONE	WPO40514	Y	N/A
544	1,3,4	CUMULATIVE	1.2800000E-02	1.0000000E-02	1.0000000E-03	3.0000000E-02	NONE	WPO30601	N	1
544	1,3,4	CUMULATIVE	1.2800000E-02	1.0000000E-02	1.0000000E-03	3.0000000E-02	NONE	WPO35268	N	1
544	1,3,4	CUMULATIVE	1.2800000E-02	1.0000000E-02	1.0000000E-03	3.0000000E-02	NONE	WPO35597	N	1
545	3,5	CONSTANT	1.0132500E+05	1.0132500E+05	1.0132500E+05	1.0132500E+05	Pa	WPO35597	Y	N/A
545	3,5	CONSTANT	1.0132500E+05	1.0132500E+05	1.0132500E+05	1.0132500E+05	Pa	WPO36051	Y	N/A
545	3,5	CONSTANT	1.0132500E+05	1.0132500E+05	1.0132500E+05	1.0132500E+05	Pa	WPO40514	Y	N/A
546	1	UNIFORM	1.2470000E+07	1.2470000E+07	1.1040000E+07	1.3890000E+07	Pa	WPO31221	Y&N	1
546	1	UNIFORM	1.2470000E+07	1.2470000E+07	1.1040000E+07	1.3890000E+07	Pa	WPO35268	Y&N	1
546	1	UNIFORM	1.2470000E+07	1.2470000E+07	1.1040000E+07	1.3890000E+07	Pa	WPO35597	Y&N	1
547	1,3	UNIFORM	-2.2500000E+01	-2.2500000E+01	-2.4000000E+01	-2.1000000E+01	log(m ²)	WPO30721	Y&N	1

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 454 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		547	S_HALITE	Salado halite, intact	PRMX_LOG	Log of intrinsic permeability, X-direction	34397A	06-Mar-96	Y	1
Y		547	S_HALITE	Salado halite, intact	PRMX_LOG	Log of intrinsic permeability, X-direction	34397A	06-Mar-96	Y	1
Y		547	S_HALITE	Salado halite, intact	PRMX_LOG	Log of intrinsic permeability, X-direction	34397A	06-Mar-96	Y	1
Y		547	S_HALITE	Salado halite, intact	PRMX_LOG	Log of intrinsic permeability, X-direction	34397A	06-Mar-96	Y	1
Y		548	S_HALITE	Salado halite, intact	PRMY_LOG	Log of intrinsic permeability, Y-direction	34399A	06-Mar-96	Y	1
Y		548	S_HALITE	Salado halite, intact	PRMY_LOG	Log of intrinsic permeability, Y-direction	34399A	06-Mar-96	Y	1
Y		548	S_HALITE	Salado halite, intact	PRMY_LOG	Log of intrinsic permeability, Y-direction	34399A	06-Mar-96	Y	1
Y		548	S_HALITE	Salado halite, intact	PRMY_LOG	Log of intrinsic permeability, Y-direction	34399A	06-Mar-96	Y	1
Y		548	S_HALITE	Salado halite, intact	PRMY_LOG	Log of intrinsic permeability, Y-direction	34399A	06-Mar-96	Y	1
Y		549	S_HALITE	Salado halite, intact	PRMZ_LOG	Log of intrinsic permeability, Z-direction	34401A	06-Mar-96	Y	1
Y		549	S_HALITE	Salado halite, intact	PRMZ_LOG	Log of intrinsic permeability, Z-direction	34401A	06-Mar-96	Y	1
Y		549	S_HALITE	Salado halite, intact	PRMZ_LOG	Log of intrinsic permeability, Z-direction	34401A	06-Mar-96	Y	1
Y		549	S_HALITE	Salado halite, intact	PRMZ_LOG	Log of intrinsic permeability, Z-direction	34401A	06-Mar-96	Y	1
Y		549	S_HALITE	Salado halite, intact	PRMZ_LOG	Log of intrinsic permeability, Z-direction	34401A	06-Mar-96	Y	1
Y		553	S_HALITE	Salado halite, intact	RELP_MOD	Model number, relative permeability model	34412	01-Nov-95	Y	4B
Y		553	S_HALITE	Salado halite, intact	RELP_MOD	Model number, relative permeability model	34412	01-Nov-95	Y	4B
Y		554	S_HALITE	Salado halite, intact	SAT_IBRN	Initial Brine Saturation	34416	01-Nov-95	Y	4B
Y		554	S_HALITE	Salado halite, intact	SAT_IBRN	Initial Brine Saturation	34416	01-Nov-95	Y	4B
Y		555	S_HALITE	Salado halite, intact	SAT_RBRN	Residual Brine Saturation	34418	01-Nov-95	Y	4B
Y		555	S_HALITE	Salado halite, intact	SAT_RBRN	Residual Brine Saturation	34418	01-Nov-95	Y	4B
Y		556	S_HALITE	Salado halite, intact	SAT_RGAS	Residual Gas Saturation	34420	01-Nov-95	Y	4B
Y		556	S_HALITE	Salado halite, intact	SAT_RGAS	Residual Gas Saturation	34420	01-Nov-95	Y	4B
Y		559	S_MB138	Salado marker bed 138, intact and fractured	CAP_MOD	Model number, capillary pressure model	34430A	11-Feb-96	Y	4A
Y		559	S_MB138	Salado marker bed 138, intact and fractured	CAP_MOD	Model number, capillary pressure model	34430A	11-Feb-96	Y	4A
Y		560	S_MB138	Salado marker bed 138, intact and fractured	COMP_RCK	Bulk Compressibility	34439	14-Feb-96	Y	4A
Y		560	S_MB138	Salado marker bed 138, intact and fractured	COMP_RCK	Bulk Compressibility	34439	14-Feb-96	Y	4A
Y		560	S_MB138	Salado marker bed 138, intact and fractured	COMP_RCK	Bulk Compressibility	34439	14-Feb-96	Y	4A
Y		561	S_MB138	Salado marker bed 138, intact and fractured	PC_MAX	Maximum allowable capillary pressure	34512A	01-Feb-96	Y	4A
Y		561	S_MB138	Salado marker bed 138, intact and fractured	PC_MAX	Maximum allowable capillary pressure	34512A	01-Feb-96	Y	4A
Y		563	S_MB138	Salado marker bed 138, intact and fractured	PF_DELTA	Incremental pressure for full fracture development	34516	22-Feb-96	Y	4B
Y		563	S_MB138	Salado marker bed 138, intact and fractured	PF_DELTA	Incremental pressure for full fracture development	34516	22-Feb-96	Y	4B
Y		563	S_MB138	Salado marker bed 138, intact and fractured	PF_DELTA	Incremental pressure for full fracture development	34516	22-Feb-96	Y	4B
Y		565	S_MB138	Salado marker bed 138, intact and fractured	PI_DELTA	Fracture initiation pressure increment	34523	22-Feb-96	Y	4B

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NOA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
547	1,3	UNIFORM	-2.250000E+01	-2.250000E+01	-2.400000E+01	-2.100000E+01	log(m ²)	WPO31218	Y&N	1
547	1,3	UNIFORM	-2.250000E+01	-2.250000E+01	-2.400000E+01	-2.100000E+01	log(m ²)	WPO35268	Y&N	1
547	1,3	UNIFORM	-2.250000E+01	-2.250000E+01	-2.400000E+01	-2.100000E+01	log(m ²)	WPO35597	Y&N	1
547	1,3	UNIFORM	-2.250000E+01	-2.250000E+01	-2.400000E+01	-2.100000E+01	log(m ²)	WPO36772	Y&N	1
548	1,3	UNIFORM	-2.250000E+01	-2.250000E+01	-2.400000E+01	-2.100000E+01	log(m ²)	WPO30721	Y&N	1
548	1,3	UNIFORM	-2.250000E+01	-2.250000E+01	-2.400000E+01	-2.100000E+01	log(m ²)	WPO31218	Y&N	1
548	1,3	UNIFORM	-2.250000E+01	-2.250000E+01	-2.400000E+01	-2.100000E+01	log(m ²)	WPO35268	Y&N	1
548	1,3	UNIFORM	-2.250000E+01	-2.250000E+01	-2.400000E+01	-2.100000E+01	log(m ²)	WPO35597	Y&N	1
548	1,3	UNIFORM	-2.250000E+01	-2.250000E+01	-2.400000E+01	-2.100000E+01	log(m ²)	WPO36772	Y&N	1
549	1,3	UNIFORM	-2.250000E+01	-2.250000E+01	-2.400000E+01	-2.100000E+01	log(m ²)	WPO30721	Y&N	1
549	1,3	UNIFORM	-2.250000E+01	-2.250000E+01	-2.400000E+01	-2.100000E+01	log(m ²)	WPO31218	Y&N	1
549	1,3	UNIFORM	-2.250000E+01	-2.250000E+01	-2.400000E+01	-2.100000E+01	log(m ²)	WPO35268	Y&N	1
549	1,3	UNIFORM	-2.250000E+01	-2.250000E+01	-2.400000E+01	-2.100000E+01	log(m ²)	WPO35597	Y&N	1
549	1,3	UNIFORM	-2.250000E+01	-2.250000E+01	-2.400000E+01	-2.100000E+01	log(m ²)	WPO36772	Y&N	1
553	1,3,4	DELTA	4.000000E+00	4.000000E+00	1.000000E+00	4.000000E+00	NONE	WPO38568	Y	N/A
553	1,3,4	DELTA	4.000000E+00	4.000000E+00	1.000000E+00	4.000000E+00	NONE	WPO40514	Y	N/A
554	1,3	CONSTANT	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	NONE	WPO38568	Y	N/A
554	1,3	CONSTANT	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	NONE	WPO40514	Y	N/A
555	1,3,4	UNIFORM	3.000000E-01	3.000000E-01	0.000000E+00	6.000000E-01	NONE	WPO38568	Y	N/A
555	1,3,4	UNIFORM	3.000000E-01	3.000000E-01	0.000000E+00	6.000000E-01	NONE	WPO40514	Y	N/A
556	1,3,4	UNIFORM	2.000000E-01	2.000000E-01	0.000000E+00	4.000000E-01	NONE	WPO38568	Y	N/A
556	1,3,4	UNIFORM	2.000000E-01	2.000000E-01	0.000000E+00	4.000000E-01	NONE	WPO40514	Y	N/A
559	1,3	CONSTANT	2.000000E+00	2.000000E+00	2.000000E+00	2.000000E+00	NONE	WPO30643	Y	N/A
559	1,3	CONSTANT	2.000000E+00	2.000000E+00	2.000000E+00	2.000000E+00	NONE	WPO35597	Y	N/A
560	1,3	STUDENT	8.263000E-11	8.263000E-11	1.090000E-11	2.750000E-10	Pa ⁻¹	WPO31186	Y	N/A
560	1,3	STUDENT	8.263000E-11	8.263000E-11	1.090000E-11	2.750000E-10	Pa ⁻¹	WPO35597	Y	N/A
560	1,3	STUDENT	8.263000E-11	8.263000E-11	1.090000E-11	2.750000E-10	Pa ⁻¹	WPO36380	Y	N/A
561	1,3	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO30643	Y	N/A
561	1,3	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO35597	Y	N/A
563	1,3	CONSTANT	3.800000E+06	3.800000E+06	3.800000E+06	3.800000E+06	Pa	WPO35597	Y	N/A
563	1,3	CONSTANT	3.800000E+06	3.800000E+06	3.800000E+06	3.800000E+06	Pa	WPO38274	Y	N/A
563	1,3	CONSTANT	3.800000E+06	3.800000E+06	3.800000E+06	3.800000E+06	Pa	WPO40514	Y	N/A
565	1,3	CONSTANT	2.000000E+05	2.000000E+05	2.000000E+05	2.000000E+05	Pa	WPO35597	Y	N/A

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 464 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		565	S_MB138	Salado marker bed 138, intact and fractured	PI_DELTA	Fracture initiation pressure increment	34523	22-Feb-96	Y	4B
Y		565	S_MB138	Salado marker bed 138, intact and fractured	PI_DELTA	Fracture initiation pressure increment	34523	22-Feb-96	Y	4B
Y		565	S_MB138	Salado marker bed 138, intact and fractured	PI_DELTA	Fracture initiation pressure increment	34523	22-Feb-96	Y	4B
Y		566	S_MB138	Salado marker bed 138, intact and fractured	PORE_DIS	Brooks-Corey pore distribution parameter	34527	22-Feb-96	Y	4A
Y		566	S_MB138	Salado marker bed 138, intact and fractured	PORE_DIS	Brooks-Corey pore distribution parameter	34527	22-Feb-96	Y	4A
Y		566	S_MB138	Salado marker bed 138, intact and fractured	PORE_DIS	Brooks-Corey pore distribution parameter	34527	22-Feb-96	Y	4A
Y		567	S_MB138	Salado marker bed 138, intact and fractured	POROSITY	Effective porosity	34530	21-Feb-96	Y	4A
Y		567	S_MB138	Salado marker bed 138, intact and fractured	POROSITY	Effective porosity	34530	21-Feb-96	Y	4A
Y		567	S_MB138	Salado marker bed 138, intact and fractured	POROSITY	Effective porosity	34530	21-Feb-96	Y	4A
Y		568	S_MB138	Salado marker bed 138, intact and fractured	PO_MIN	Minimum brine pressure for capillary model KPC=3	34531	21-Feb-96	Y	4B
Y		568	S_MB138	Salado marker bed 138, intact and fractured	PO_MIN	Minimum brine pressure for capillary model KPC=3	34531	21-Feb-96	Y	4B
Y		568	S_MB138	Salado marker bed 138, intact and fractured	PO_MIN	Minimum brine pressure for capillary model KPC=3	34531	21-Feb-96	Y	4B
Y	varies	569	S_MB138	Salado marker bed 138, intact and fractured	PRESSURE	Brine far-field pore pressure	34532	19-Feb-96	Y	4A
Y	varies	569	S_MB138	Salado marker bed 138, intact and fractured	PRESSURE	Brine far-field pore pressure	34532	19-Feb-96	Y	4A
Y	varies	569	S_MB138	Salado marker bed 138, intact and fractured	PRESSURE	Brine far-field pore pressure	34532	19-Feb-96	Y	4A
Y	varies	569	S_MB138	Salado marker bed 138, intact and fractured	PRESSURE	Brine far-field pore pressure	34532	19-Feb-96	Y	4A
Y		570	S_MB138	Salado marker bed 138, intact and fractured	PRMX_LOG	Log of intrinsic permeability, X-direction	34536	11-Feb-96	Y	4A
Y		570	S_MB138	Salado marker bed 138, intact and fractured	PRMX_LOG	Log of intrinsic permeability, X-direction	34536	11-Feb-96	Y	4A
Y		570	S_MB138	Salado marker bed 138, intact and fractured	PRMX_LOG	Log of intrinsic permeability, X-direction	34536	11-Feb-96	Y	4A
Y		570	S_MB138	Salado marker bed 138, intact and fractured	PRMX_LOG	Log of intrinsic permeability, X-direction	34536	11-Feb-96	Y	4A
Y		570	S_MB138	Salado marker bed 138, intact and fractured	PRMX_LOG	Log of intrinsic permeability, X-direction	34536	11-Feb-96	Y	4A
Y		570	S_MB138	Salado marker bed 138, intact and fractured	PRMX_LOG	Log of intrinsic permeability, X-direction	34536	11-Feb-96	Y	4A
Y		571	S_MB138	Salado marker bed 138, intact and fractured	PRMY_LOG	Log of intrinsic permeability, Y-direction	34537	11-Feb-96	Y	4A
Y		571	S_MB138	Salado marker bed 138, intact and fractured	PRMY_LOG	Log of intrinsic permeability, Y-direction	34537	11-Feb-96	Y	4A

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NOAA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
565	1,3	CONSTANT	2.000000E+05	2.000000E+05	2.000000E+05	2.000000E+05	Pa	WPO38274	Y	N/A
565	1,3	CONSTANT	2.000000E+05	2.000000E+05	2.000000E+05	2.000000E+05	Pa	WPO38569	Y	N/A
565	1,3	CONSTANT	2.000000E+05	2.000000E+05	2.000000E+05	2.000000E+05	Pa	WPO40514	Y	N/A
566	1,5	STUDENT	6.436000E-01	6.436000E-01	4.905300E-01	8.417800E-01	NONE	WPO30643	Y	N/A
566	1,5	STUDENT	6.436000E-01	6.436000E-01	4.905300E-01	8.417800E-01	NONE	WPO35597	Y	N/A
566	1,5	STUDENT	6.436000E-01	6.436000E-01	4.905300E-01	8.417800E-01	NONE	WPO36380	Y	N/A
567	1,3	STUDENT	1.100000E-02	1.100000E-02	6.000000E-03	1.700000E-02	NONE	WPO30600	Y	N/A
567	1,3	STUDENT	1.100000E-02	1.100000E-02	6.000000E-03	1.700000E-02	NONE	WPO35597	Y	N/A
567	1,3	STUDENT	1.100000E-02	1.100000E-02	6.000000E-03	1.700000E-02	NONE	WPO36380	Y	N/A
568	1,3	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO35597	Y	N/A
568	1,3	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO36051	Y	N/A
568	1,3	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO40514	Y	N/A
569	1,3	STUDENT	1.163000E+07	1.163000E+07	9.380000E+06	1.294000E+07	Pa	WPO31185	Y	N/A
569	1,3	STUDENT	1.163000E+07	1.163000E+07	9.380000E+06	1.294000E+07	Pa	WPO35597	Y	N/A
569	1,3	STUDENT	1.163000E+07	1.163000E+07	9.380000E+06	1.294000E+07	Pa	WPO36380	Y	N/A
569	1,3	STUDENT	1.163000E+07	1.163000E+07	9.380000E+06	1.294000E+07	Pa	WPO40434	Y	N/A
570	1,3	STUDENT	-1.889000E+01	-1.889000E+01	-2.100000E+01	-1.710000E+01	log(m^2)	WPO30603	Y	N/A
570	1,3	STUDENT	-1.889000E+01	-1.889000E+01	-2.100000E+01	-1.710000E+01	log(m^2)	WPO31217	Y	N/A
570	1,3	STUDENT	-1.889000E+01	-1.889000E+01	-2.100000E+01	-1.710000E+01	log(m^2)	WPO35597	Y	N/A
570	1,3	STUDENT	-1.889000E+01	-1.889000E+01	-2.100000E+01	-1.710000E+01	log(m^2)	WPO36380	Y	N/A
570	1,3	STUDENT	-1.889000E+01	-1.889000E+01	-2.100000E+01	-1.710000E+01	log(m^2)	WPO39065	Y	N/A
570	1,3	STUDENT	-1.889000E+01	-1.889000E+01	-2.100000E+01	-1.710000E+01	log(m^2)	WPO39178	Y	N/A
571	1,3	STUDENT	-1.889000E+01	-1.889000E+01	-2.100000E+01	-1.710000E+01	log(m^2)	WPO30605	Y	N/A
571	1,3	STUDENT	-1.889000E+01	-1.889000E+01	-2.100000E+01	-1.710000E+01	log(m^2)	WPO31217	Y	N/A

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 464 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		571	S_MB138	Salado marker bed 138, intact and fractured	PRMY_LOG	Log of intrinsic permeability, Y-direction	34537	11-Feb-96	Y	4A
Y		571	S_MB138	Salado marker bed 138, intact and fractured	PRMY_LOG	Log of intrinsic permeability, Y-direction	34537	11-Feb-96	Y	4A
Y		571	S_MB138	Salado marker bed 138, intact and fractured	PRMY_LOG	Log of intrinsic permeability, Y-direction	34537	11-Feb-96	Y	4A
Y		571	S_MB138	Salado marker bed 138, intact and fractured	PRMY_LOG	Log of intrinsic permeability, Y-direction	34537	11-Feb-96	Y	4A
Y		572	S_MB138	Salado marker bed 138, intact and fractured	PRMZ_LOG	Log of intrinsic permeability, Z-direction	34538	11-Feb-96	Y	4A
Y		572	S_MB138	Salado marker bed 138, intact and fractured	PRMZ_LOG	Log of intrinsic permeability, Z-direction	34538	11-Feb-96	Y	4A
Y		572	S_MB138	Salado marker bed 138, intact and fractured	PRMZ_LOG	Log of intrinsic permeability, Z-direction	34538	11-Feb-96	Y	4A
Y		572	S_MB138	Salado marker bed 138, intact and fractured	PRMZ_LOG	Log of intrinsic permeability, Z-direction	34538	11-Feb-96	Y	4A
Y		572	S_MB138	Salado marker bed 138, intact and fractured	PRMZ_LOG	Log of intrinsic permeability, Z-direction	34538	11-Feb-96	Y	4A
Y		572	S_MB138	Salado marker bed 138, intact and fractured	PRMZ_LOG	Log of intrinsic permeability, Z-direction	34538	11-Feb-96	Y	4A
Y		575	S_MB138	Salado marker bed 138, intact and fractured	RELP_MOD	Model number, relative permeability model	34542A	08-Feb-96	Y	4A
Y		575	S_MB138	Salado marker bed 138, intact and fractured	RELP_MOD	Model number, relative permeability model	34542A	08-Feb-96	Y	4A
Y		575	S_MB138	Salado marker bed 138, intact and fractured	RELP_MOD	Model number, relative permeability model	34542A	08-Feb-96	Y	4A
Y		576	S_MB138	Salado marker bed 138, intact and fractured	SAT_IBRN	Initial Brine Saturation	34544	11-Feb-96	Y	1
Y		576	S_MB138	Salado marker bed 138, intact and fractured	SAT_IBRN	Initial Brine Saturation	34544	11-Feb-96	Y	1
Y		577	S_MB138	Salado marker bed 138, intact and fractured	SAT_RBRN	Residual Brine Saturation	34545	21-Nov-96	Y	4A
Y		577	S_MB138	Salado marker bed 138, intact and fractured	SAT_RBRN	Residual Brine Saturation	34545	21-Nov-96	Y	4A
Y		577	S_MB138	Salado marker bed 138, intact and fractured	SAT_RBRN	Residual Brine Saturation	34545	21-Nov-96	Y	4A
Y		578	S_MB138	Salado marker bed 138, intact and fractured	SAT_RGAS	Residual Gas Saturation	34546	22-Feb-96	Y	4A
Y		578	S_MB138	Salado marker bed 138, intact and fractured	SAT_RGAS	Residual Gas Saturation	34546	22-Feb-96	Y	4A
Y		578	S_MB138	Salado marker bed 138, intact and fractured	SAT_RGAS	Residual Gas Saturation	34546	22-Feb-96	Y	4A
Y		579	S_MB139	Salado marker bed 139, intact and fractured	CAP_MOD	Model number, capillary pressure model	34559	11-Feb-96	Y	1
Y		579	S_MB139	Salado marker bed 139, intact and fractured	CAP_MOD	Model number, capillary pressure model	34559	11-Feb-96	Y	1
Y		580	S_MB139	Salado marker bed 139, intact and fractured	COMP_RCK	Bulk Compressibility	34574	14-Feb-96	Y	1

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
571	1,3	STUDENT	-1.8890000E+01	-1.8890000E+01	-2.1000000E+01	-1.7100000E+01	log(m ²)	WPO35597	Y	N/A
571	1,3	STUDENT	-1.8890000E+01	-1.8890000E+01	-2.1000000E+01	-1.7100000E+01	log(m ²)	WPO36380	Y	N/A
571	1,3	STUDENT	-1.8890000E+01	-1.8890000E+01	-2.1000000E+01	-1.7100000E+01	log(m ²)	WPO39065	Y	N/A
571	1,3	STUDENT	-1.8890000E+01	-1.8890000E+01	-2.1000000E+01	-1.7100000E+01	log(m ²)	WPO39178	Y	N/A
572	1,3	STUDENT	-1.8890000E+01	-1.8890000E+01	-2.1000000E+01	-1.7100000E+01	log(m ²)	WPO30606	Y	N/A
572	1,3	STUDENT	-1.8890000E+01	-1.8890000E+01	-2.1000000E+01	-1.7100000E+01	log(m ²)	WPO31217	Y	N/A
572	1,3	STUDENT	-1.8890000E+01	-1.8890000E+01	-2.1000000E+01	-1.7100000E+01	log(m ²)	WPO35597	Y	N/A
572	1,3	STUDENT	-1.8890000E+01	-1.8890000E+01	-2.1000000E+01	-1.7100000E+01	log(m ²)	WPO36380	Y	N/A
572	1,3	STUDENT	-1.8890000E+01	-1.8890000E+01	-2.1000000E+01	-1.7100000E+01	log(m ²)	WPO39065	Y	N/A
572	1,3	STUDENT	-1.8890000E+01	-1.8890000E+01	-2.1000000E+01	-1.7100000E+01	log(m ²)	WPO39178	Y	N/A
575	1,3	DELTA	4.0000000E+00	4.0000000E+00	1.0000000E+00	4.0000000E+00	NONE	WPO30643	Y	N/A
575	1,3	DELTA	4.0000000E+00	4.0000000E+00	1.0000000E+00	4.0000000E+00	NONE	WPO35268	Y	N/A
575	1,3	DELTA	4.0000000E+00	4.0000000E+00	1.0000000E+00	4.0000000E+00	NONE	WPO35597	Y	N/A
576	1,5	CONSTANT	1.0000000E+00	1.0000000E+00	1.0000000E+00	1.0000000E+00	NONE	WPO30643	Y	N/A
576	1,5	CONSTANT	1.0000000E+00	1.0000000E+00	1.0000000E+00	1.0000000E+00	NONE	WPO35597	Y	N/A
577	1,3	STUDENT	8.3620000E-02	8.3620000E-02	7.7846000E-03	1.7401000E-01	NONE	WPO30643	Y	N/A
577	1,3	STUDENT	8.3620000E-02	8.3620000E-02	7.7846000E-03	1.7401000E-01	NONE	WPO35597	Y	N/A
577	1,3	STUDENT	8.3620000E-02	8.3620000E-02	7.7846000E-03	1.7401000E-01	NONE	WPO36380	Y	N/A
578	1,5	STUDENT	7.7110000E-02	7.7110000E-02	1.3980000E-02	1.9719000E-01	NONE	WPO30643	Y	N/A
578	1,5	STUDENT	7.7110000E-02	7.7110000E-02	1.3980000E-02	1.9719000E-01	NONE	WPO35597	Y	N/A
578	1,5	STUDENT	7.7110000E-02	7.7110000E-02	1.3980000E-02	1.9719000E-01	NONE	WPO36380	Y	N/A
579	1,5	CONSTANT	2.0000000E+00	2.0000000E+00	2.0000000E+00	2.0000000E+00	NONE	WPO30643	Y	N/A
579	1,5	CONSTANT	2.0000000E+00	2.0000000E+00	2.0000000E+00	2.0000000E+00	NONE	WPO35597	Y	N/A
580	1	STUDENT	8.2630000E-11	8.2630000E-11	1.0900000E-11	2.7500000E-10	Pa ⁻¹	WPO31186	Y&N	1

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 454 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		580	S_MB139	Salado marker bed 139, intact and fractured	COMP_RCK	Bulk Compressibility	34574	14-Feb-96	Y	1
Y		580	S_MB139	Salado marker bed 139, intact and fractured	COMP_RCK	Bulk Compressibility	34574	14-Feb-96	Y	1
Y		582	S_MB139	Salado marker bed 139, intact and fractured	PC_MAX	Maximum allowable capillary pressure	34848	01-Feb-96	Y	1
Y		582	S_MB139	Salado marker bed 139, intact and fractured	PC_MAX	Maximum allowable capillary pressure	34848	01-Feb-96	Y	1
Y		586	S_MB139	Salado marker bed 139, intact and fractured	PI_DELTA	Fracture initiation pressure increment	34856	22-Feb-96	Y	4B
Y		586	S_MB139	Salado marker bed 139, intact and fractured	PI_DELTA	Fracture initiation pressure increment	34856	22-Feb-96	Y	4B
Y		586	S_MB139	Salado marker bed 139, intact and fractured	PI_DELTA	Fracture initiation pressure increment	34856	22-Feb-96	Y	4B
Y		586	S_MB139	Salado marker bed 139, intact and fractured	PI_DELTA	Fracture initiation pressure increment	34856	22-Feb-96	Y	4B
Y		587	S_MB139	Salado marker bed 139, intact and fractured	PORE_DIS	Brooks-Corey pore distribution parameter	34859	22-Feb-96	Y	1
Y		587	S_MB139	Salado marker bed 139, intact and fractured	PORE_DIS	Brooks-Corey pore distribution parameter	34859	22-Feb-96	Y	1
Y		587	S_MB139	Salado marker bed 139, intact and fractured	PORE_DIS	Brooks-Corey pore distribution parameter	34859	22-Feb-96	Y	1
Y		588	S_MB139	Salado marker bed 139, intact and fractured	POROSITY	Effective porosity	34860	22-Apr-97	Y	1
Y		588	S_MB139	Salado marker bed 139, intact and fractured	POROSITY	Effective porosity	34860	22-Apr-97	Y	1
Y		588	S_MB139	Salado marker bed 139, intact and fractured	POROSITY	Effective porosity	34860	22-Apr-97	Y	1
Y		589	S_MB139	Salado marker bed 139, intact and fractured	PO_MIN	Minimum brine pressure for capillary model KPC=3	34862	21-Feb-96	Y	4B
Y		589	S_MB139	Salado marker bed 139, intact and fractured	PO_MIN	Minimum brine pressure for capillary model KPC=3	34862	21-Feb-96	Y	4B
Y		589	S_MB139	Salado marker bed 139, intact and fractured	PO_MIN	Minimum brine pressure for capillary model KPC=3	34862	21-Feb-96	Y	4B
Y	varies	590	S_MB139	Salado marker bed 139, intact and fractured	PRESSURE	Brine far-field pore pressure	34863	17-Sep-96	Y	1
Y	varies	590	S_MB139	Salado marker bed 139, intact and fractured	PRESSURE	Brine far-field pore pressure	34863	17-Sep-96	Y	1
Y	varies	590	S_MB139	Salado marker bed 139, intact and fractured	PRESSURE	Brine far-field pore pressure	34863	17-Sep-96	Y	1
Y	varies	590	S_MB139	Salado marker bed 139, intact and fractured	PRESSURE	Brine far-field pore pressure	34863	17-Sep-96	Y	1
Y		591	S_MB139	Salado marker bed 139, intact and fractured	PRMX_LOG	Log of intrinsic permeability, X-direction	34865	01-Feb-96	Y	1
Y		591	S_MB139	Salado marker bed 139, intact and fractured	PRMX_LOG	Log of intrinsic permeability, X-direction	34865	01-Feb-96	Y	1
Y		591	S_MB139	Salado marker bed 139, intact and fractured	PRMX_LOG	Log of intrinsic permeability, X-direction	34865	01-Feb-96	Y	1

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NOA-1 Program?	Which methods were used to quality existing data? (footnote 3)
580	1	STUDENT	8.2630000E-11	8.2630000E-11	1.0900000E-11	2.7500000E-10	Pa^-1	WPO35597	Y&N	1
580	1	STUDENT	8.2630000E-11	8.2630000E-11	1.0900000E-11	2.7500000E-10	Pa^-1	WPO36380	Y&N	1
582	1,5	CONSTANT	1.0000000E+08	1.0000000E+08	1.0000000E+08	1.0000000E+08	Pa	WPO30643	Y	N/A
582	1,5	CONSTANT	1.0000000E+08	1.0000000E+08	1.0000000E+08	1.0000000E+08	Pa	WPO35597	Y	N/A
586	3,5	CONSTANT	2.0000000E+05	2.0000000E+05	2.0000000E+05	2.0000000E+05	Pa	WPO35597	Y	N/A
586	3,5	CONSTANT	2.0000000E+05	2.0000000E+05	2.0000000E+05	2.0000000E+05	Pa	WPO38274	Y	N/A
586	3,5	CONSTANT	2.0000000E+05	2.0000000E+05	2.0000000E+05	2.0000000E+05	Pa	WPO38569	Y	N/A
586	3,5	CONSTANT	2.0000000E+05	2.0000000E+05	2.0000000E+05	2.0000000E+05	Pa	WPO40514	Y	N/A
587	1,5	STUDENT	6.4360000E-01	6.4360000E-01	4.9053000E-01	8.4178000E-01	NONE	WPO30643	Y	N/A
587	1,5	STUDENT	6.4360000E-01	6.4360000E-01	4.9053000E-01	8.4178000E-01	NONE	WPO35597	Y	N/A
587	1,5	STUDENT	6.4360000E-01	6.4360000E-01	4.9053000E-01	8.4178000E-01	NONE	WPO36380	Y	N/A
588	1,3,4	STUDENT	1.1000000E-02	1.1000000E-02	6.0000000E-03	1.7000000E-02	NONE	WPO30600	Y	N/A
588	1,3,4	STUDENT	1.1000000E-02	1.1000000E-02	6.0000000E-03	1.7000000E-02	NONE	WPO35597	Y	N/A
588	1,3,4	STUDENT	1.1000000E-02	1.1000000E-02	6.0000000E-03	1.7000000E-02	NONE	WPO36380	Y	N/A
589	3,5	CONSTANT	1.0132500E+05	1.0132500E+05	1.0132500E+05	1.0132500E+05	Pa	WPO35597	Y	N/A
589	3,5	CONSTANT	1.0132500E+05	1.0132500E+05	1.0132500E+05	1.0132500E+05	Pa	WPO36051	Y	N/A
589	3,5	CONSTANT	1.0132500E+05	1.0132500E+05	1.0132500E+05	1.0132500E+05	Pa	WPO40514	Y	N/A
590	1	STUDENT	1.1630000E+07	1.1630000E+07	9.3800000E+06	1.2940000E+07	Pa	WPO31185	Y&N	1
590	1	STUDENT	1.1630000E+07	1.1630000E+07	9.3800000E+06	1.2940000E+07	Pa	WPO35597	Y&N	1
590	1	STUDENT	1.1630000E+07	1.1630000E+07	9.3800000E+06	1.2940000E+07	Pa	WPO36380	Y&N	1
590	1	STUDENT	1.1630000E+07	1.1630000E+07	9.3800000E+06	1.2940000E+07	Pa	WPO40434	Y&N	1
591	1	STUDENT	-1.8890000E+01	-1.8890000E+01	-2.1000000E+01	-1.7100000E+01	log(m^2)	WPO30603	Y	N/A
591	1	STUDENT	-1.8890000E+01	-1.8890000E+01	-2.1000000E+01	-1.7100000E+01	log(m^2)	WPO31217	Y	N/A
591	1	STUDENT	-1.8890000E+01	-1.8890000E+01	-2.1000000E+01	-1.7100000E+01	log(m^2)	WPO35597	Y	N/A

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 454 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		591	S_MB139	Salado marker bed 139, intact and fractured	PRMX_LOG	Log of intrinsic permeability, X-direction	34865	01-Feb-96	Y	1
Y		591	S_MB139	Salado marker bed 139, intact and fractured	PRMX_LOG	Log of intrinsic permeability, X-direction	34865	01-Feb-96	Y	1
Y		591	S_MB139	Salado marker bed 139, intact and fractured	PRMX_LOG	Log of intrinsic permeability, X-direction	34865	01-Feb-96	Y	1
Y		592	S_MB139	Salado marker bed 139, intact and fractured	PRMY_LOG	Log of intrinsic permeability, Y-direction	34866	01-Feb-96	Y	1
Y		592	S_MB139	Salado marker bed 139, intact and fractured	PRMY_LOG	Log of intrinsic permeability, Y-direction	34866	01-Feb-96	Y	1
Y		592	S_MB139	Salado marker bed 139, intact and fractured	PRMY_LOG	Log of intrinsic permeability, Y-direction	34866	01-Feb-96	Y	1
Y		592	S_MB139	Salado marker bed 139, intact and fractured	PRMY_LOG	Log of intrinsic permeability, Y-direction	34866	01-Feb-96	Y	1
Y		592	S_MB139	Salado marker bed 139, intact and fractured	PRMY_LOG	Log of intrinsic permeability, Y-direction	34866	01-Feb-96	Y	1
Y		592	S_MB139	Salado marker bed 139, intact and fractured	PRMY_LOG	Log of intrinsic permeability, Y-direction	34866	01-Feb-96	Y	1
Y		592	S_MB139	Salado marker bed 139, intact and fractured	PRMY_LOG	Log of intrinsic permeability, Y-direction	34866	01-Feb-96	Y	1
Y		593	S_MB139	Salado marker bed 139, intact and fractured	PRMZ_LOG	Log of intrinsic permeability, Z-direction	34868	01-Feb-96	Y	1
Y		593	S_MB139	Salado marker bed 139, intact and fractured	PRMZ_LOG	Log of intrinsic permeability, Z-direction	34868	01-Feb-96	Y	1
Y		593	S_MB139	Salado marker bed 139, intact and fractured	PRMZ_LOG	Log of intrinsic permeability, Z-direction	34868	01-Feb-96	Y	1
Y		593	S_MB139	Salado marker bed 139, intact and fractured	PRMZ_LOG	Log of intrinsic permeability, Z-direction	34868	01-Feb-96	Y	1
Y		593	S_MB139	Salado marker bed 139, intact and fractured	PRMZ_LOG	Log of intrinsic permeability, Z-direction	34868	01-Feb-96	Y	1
Y		593	S_MB139	Salado marker bed 139, intact and fractured	PRMZ_LOG	Log of intrinsic permeability, Z-direction	34868	01-Feb-96	Y	1
Y		596	S_MB139	Salado marker bed 139, intact and fractured	RELP_MOD	Model number, relative permeability model	34500	08-Feb-96	Y	1
Y		596	S_MB139	Salado marker bed 139, intact and fractured	RELP_MOD	Model number, relative permeability model	34500	08-Feb-96	Y	1
Y		596	S_MB139	Salado marker bed 139, intact and fractured	RELP_MOD	Model number, relative permeability model	34500	08-Feb-96	Y	1
Y		597	S_MB139	Salado marker bed 139, intact and fractured	SAT_IBRN	Initial Brine Saturation	34503	11-Feb-96	Y	1
Y		597	S_MB139	Salado marker bed 139, intact and fractured	SAT_IBRN	Initial Brine Saturation	34503	11-Feb-96	Y	1
Y		598	S_MB139	Salado marker bed 139, intact and fractured	SAT_RBRN	Residual Brine Saturation	34506	21-Nov-96	Y	1
Y		598	S_MB139	Salado marker bed 139, intact and fractured	SAT_RBRN	Residual Brine Saturation	34506	21-Nov-96	Y	1
Y		598	S_MB139	Salado marker bed 139, intact and fractured	SAT_RBRN	Residual Brine Saturation	34506	21-Nov-96	Y	1
Y		599	S_MB139	Salado marker bed 139, intact and fractured	SAT_RGAS	Residual Gas Saturation	34508	22-Feb-96	Y	1

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
591	1	STUDENT	-1.8890000E+01	-1.8890000E+01	-2.1000000E+01	-1.7100000E+01	log(m^2)	WPO36380	Y	N/A
591	1	STUDENT	-1.8890000E+01	-1.8890000E+01	-2.1000000E+01	-1.7100000E+01	log(m^2)	WPO39065	Y	N/A
591	1	STUDENT	-1.8890000E+01	-1.8890000E+01	-2.1000000E+01	-1.7100000E+01	log(m^2)	WPO39178	Y	N/A
592	1	STUDENT	-1.8890000E+01	-1.8890000E+01	-2.1000000E+01	-1.7100000E+01	log(m^2)	WPO30605	Y	N/A
592	1	STUDENT	-1.8890000E+01	-1.8890000E+01	-2.1000000E+01	-1.7100000E+01	log(m^2)	WPO31217	Y	N/A
592	1	STUDENT	-1.8890000E+01	-1.8890000E+01	-2.1000000E+01	-1.7100000E+01	log(m^2)	WPO35597	Y	N/A
592	1	STUDENT	-1.8890000E+01	-1.8890000E+01	-2.1000000E+01	-1.7100000E+01	log(m^2)	WPO36380	Y	N/A
592	1	STUDENT	-1.8890000E+01	-1.8890000E+01	-2.1000000E+01	-1.7100000E+01	log(m^2)	WPO39065	Y	N/A
592	1	STUDENT	-1.8890000E+01	-1.8890000E+01	-2.1000000E+01	-1.7100000E+01	log(m^2)	WPO39178	Y	N/A
593	1	STUDENT	-1.8890000E+01	-1.8890000E+01	-2.1000000E+01	-1.7100000E+01	log(m^2)	WPO30606	Y	N/A
593	1	STUDENT	-1.8890000E+01	-1.8890000E+01	-2.1000000E+01	-1.7100000E+01	log(m^2)	WPO31217	Y	N/A
593	1	STUDENT	-1.8890000E+01	-1.8890000E+01	-2.1000000E+01	-1.7100000E+01	log(m^2)	WPO35597	Y	N/A
593	1	STUDENT	-1.8890000E+01	-1.8890000E+01	-2.1000000E+01	-1.7100000E+01	log(m^2)	WPO36380	Y	N/A
593	1	STUDENT	-1.8890000E+01	-1.8890000E+01	-2.1000000E+01	-1.7100000E+01	log(m^2)	WPO39065	Y	N/A
593	1	STUDENT	-1.8890000E+01	-1.8890000E+01	-2.1000000E+01	-1.7100000E+01	log(m^2)	WPO39178	Y	N/A
596	1,5	DELTA	4.0000000E+00	4.0000000E+00	1.0000000E+00	4.0000000E+00	NONE	WPO30643	Y	N/A
596	1,5	DELTA	4.0000000E+00	4.0000000E+00	1.0000000E+00	4.0000000E+00	NONE	WPO35268	Y	N/A
596	1,5	DELTA	4.0000000E+00	4.0000000E+00	1.0000000E+00	4.0000000E+00	NONE	WPO35597	Y	N/A
597	1,5	CONSTANT	1.0000000E+00	1.0000000E+00	1.0000000E+00	1.0000000E+00	NONE	WPO30643	Y	N/A
597	1,5	CONSTANT	1.0000000E+00	1.0000000E+00	1.0000000E+00	1.0000000E+00	NONE	WPO35597	Y	N/A
598	1,5	STUDENT	8.3620000E-02	8.3620000E-02	7.7846000E-03	1.7401000E-01	NONE	WPO30643	Y	N/A
598	1,5	STUDENT	8.3620000E-02	8.3620000E-02	7.7846000E-03	1.7401000E-01	NONE	WPO35597	Y	N/A
598	1,5	STUDENT	8.3620000E-02	8.3620000E-02	7.7846000E-03	1.7401000E-01	NONE	WPO36380	Y	N/A
599	1,5	STUDENT	7.7110000E-02	7.7110000E-02	1.3980000E-02	1.9719000E-01	NONE	WPO30643	Y	N/A

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 454 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		599	S_MB139	Salado marker bed 139, intact and fractured	SAT_RGAS	Residual Gas Saturation	34508	22-Feb-96	Y	1
Y		599	S_MB139	Salado marker bed 139, intact and fractured	SAT_RGAS	Residual Gas Saturation	34508	22-Feb-96	Y	1
Y	0.01	603	TH229	Thorium 229	ATWEIGHT	Atomic Weight in kg/mole	34594	02-Nov-95	Y	3
Y	0.01	603	TH229	Thorium 229	ATWEIGHT	Atomic Weight in kg/mole	34594	02-Nov-95	Y	3
Y	0.01	603	TH229	Thorium 229	ATWEIGHT	Atomic Weight in kg/mole	34594	02-Nov-95	Y	3
Y	100	604	TH229	Thorium 229	HALFLIFE	Half-life	34595	18-Apr-96	Y	3
Y	100	604	TH229	Thorium 229	HALFLIFE	Half-life	34595	18-Apr-96	Y	3
Y	100	604	TH229	Thorium 229	HALFLIFE	Half-life	34595	18-Apr-96	Y	3
Y		605	TH229	Thorium 229	INVCHD	Inventory of Contact Handled Design	34596A	29-Oct-96	Y	2
Y		605	TH229	Thorium 229	INVCHD	Inventory of Contact Handled Design	34596A	29-Oct-96	Y	2
Y		605	TH229	Thorium 229	INVCHD	Inventory of Contact Handled Design	34596A	29-Oct-96	Y	2
Y		605	TH229	Thorium 229	INVCHD	Inventory of Contact Handled Design	34596A	29-Oct-96	Y	2
Y		606	TH229	Thorium 229	INVRHD	Inventory of Remote Handled Design	34597A	29-Oct-96	Y	2
Y		606	TH229	Thorium 229	INVRHD	Inventory of Remote Handled Design	34597A	29-Oct-96	Y	2
Y		606	TH229	Thorium 229	INVRHD	Inventory of Remote Handled Design	34597A	29-Oct-96	Y	2
Y		606	TH229	Thorium 229	INVRHD	Inventory of Remote Handled Design	34597A	29-Oct-96	Y	2
Y	0.01	607	TH230	Thorium 230	ATWEIGHT	Atomic Weight in kg/mole	34600	02-Nov-95	Y	3
Y	0.01	607	TH230	Thorium 230	ATWEIGHT	Atomic Weight in kg/mole	34600	02-Nov-95	Y	3
Y	0.01	607	TH230	Thorium 230	ATWEIGHT	Atomic Weight in kg/mole	34600	02-Nov-95	Y	3
Y	100	608	TH230	Thorium 230	HALFLIFE	Half-life	34601	16-Apr-96	Y	3
Y	100	608	TH230	Thorium 230	HALFLIFE	Half-life	34601	16-Apr-96	Y	3
Y	100	608	TH230	Thorium 230	HALFLIFE	Half-life	34601	16-Apr-96	Y	3
Y		609	TH230	Thorium 230	INVCHD	Inventory of Contact Handled Design	34602A	29-Oct-96	Y	2
Y		609	TH230	Thorium 230	INVCHD	Inventory of Contact Handled Design	34602A	29-Oct-96	Y	2
Y		609	TH230	Thorium 230	INVCHD	Inventory of Contact Handled Design	34602A	29-Oct-96	Y	2
Y		609	TH230	Thorium 230	INVCHD	Inventory of Contact Handled Design	34602A	29-Oct-96	Y	2
Y		610	TH230	Thorium 230	INVRHD	Inventory of Remote Handled Design	34603A	29-Oct-96	Y	2
Y		610	TH230	Thorium 230	INVRHD	Inventory of Remote Handled Design	34603A	29-Oct-96	Y	2
Y		610	TH230	Thorium 230	INVRHD	Inventory of Remote Handled Design	34603A	29-Oct-96	Y	2
Y		610	TH230	Thorium 230	INVRHD	Inventory of Remote Handled Design	34603A	29-Oct-96	Y	2
Y	0.02	611	TH232	Thorium 232	ATWEIGHT	Atomic Weight in kg/mole	32458	02-Nov-95	Y	3
Y	0.02	611	TH232	Thorium 232	ATWEIGHT	Atomic Weight in kg/mole	32458	02-Nov-95	Y	3
Y	0.02	611	TH232	Thorium 232	ATWEIGHT	Atomic Weight in kg/mole	32458	02-Nov-95	Y	3
Y	100	612	TH232	Thorium 232	HALFLIFE	Half-life	34605	16-Apr-96	Y	3
Y	100	612	TH232	Thorium 232	HALFLIFE	Half-life	34605	16-Apr-96	Y	3
Y	100	612	TH232	Thorium 232	HALFLIFE	Half-life	34605	16-Apr-96	Y	3
Y		613	TH232	Thorium 232	INVCHD	Inventory of Contact Handled Design	34606A	29-Oct-96	Y	2
Y		613	TH232	Thorium 232	INVCHD	Inventory of Contact Handled Design	34606A	29-Oct-96	Y	2
Y		613	TH232	Thorium 232	INVCHD	Inventory of Contact Handled Design	34606A	29-Oct-96	Y	2
Y		613	TH232	Thorium 232	INVCHD	Inventory of Contact Handled Design	34606A	29-Oct-96	Y	2
Y		614	TH232	Thorium 232	INVRHD	Inventory of Remote Handled Design	34607A	29-Oct-96	Y	2

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
599	1,5	STUDENT	7.7110000E-02	7.7110000E-02	1.3980000E-02	1.9719000E-01	NONE	WPO35597	Y	N/A
599	1,5	STUDENT	7.7110000E-02	7.7110000E-02	1.3980000E-02	1.9719000E-01	NONE	WPO36380	Y	N/A
603	4	CONSTANT	2.2903200E-01	2.2903200E-01	2.2903200E-01	2.2903200E-01	kg/mole	CRC-72	Y	N/A
603	4	CONSTANT	2.2903200E-01	2.2903200E-01	2.2903200E-01	2.2903200E-01	kg/mole	WPO36298	Y	N/A
603	4	CONSTANT	2.2903200E-01	2.2903200E-01	2.2903200E-01	2.2903200E-01	kg/mole	WPO36301	Y	N/A
604	4	CONSTANT	2.3160000E+11	2.3160000E+11	2.3160000E+11	2.3160000E+11	s	WPO36301	Y	N/A
604	4	CONSTANT	2.3160000E+11	2.3160000E+11	2.3160000E+11	2.3160000E+11	s	WPO37404	Y	N/A
604	4	CONSTANT	2.3160000E+11	2.3160000E+11	2.3160000E+11	2.3160000E+11	s	WPO40434	Y	N/A
605	2	CONSTANT	9.2900000E+00	9.2900000E+00	9.2900000E+00	9.2900000E+00	Ci	WPO37061	Y	N/A
605	2	CONSTANT	9.2900000E+00	9.2900000E+00	9.2900000E+00	9.2900000E+00	Ci	WPO39260	Y	N/A
605	2	CONSTANT	9.2900000E+00	9.2900000E+00	9.2900000E+00	9.2900000E+00	Ci	WPO41559	Y	N/A
605	2	CONSTANT	9.2900000E+00	9.2900000E+00	9.2900000E+00	9.2900000E+00	Ci	WPO41560	Y	N/A
606	2	CONSTANT	6.8300000E-01	6.8300000E-01	6.8300000E-01	6.8300000E-01	Ci	WPO37061	Y	N/A
606	2	CONSTANT	6.8300000E-01	6.8300000E-01	6.8300000E-01	6.8300000E-01	Ci	WPO39260	Y	N/A
606	2	CONSTANT	6.8300000E-01	6.8300000E-01	6.8300000E-01	6.8300000E-01	Ci	WPO41559	Y	N/A
606	2	CONSTANT	6.8300000E-01	6.8300000E-01	6.8300000E-01	6.8300000E-01	Ci	WPO41560	Y	N/A
607	4	CONSTANT	2.3003300E-01	2.3003300E-01	2.3003300E-01	2.3003300E-01	kg/mole	CRC-72	Y	N/A
607	4	CONSTANT	2.3003300E-01	2.3003300E-01	2.3003300E-01	2.3003300E-01	kg/mole	WPO36298	Y	N/A
607	4	CONSTANT	2.3003300E-01	2.3003300E-01	2.3003300E-01	2.3003300E-01	kg/mole	WPO36301	Y	N/A
608	4	CONSTANT	2.4300000E+12	2.4300000E+12	2.4300000E+12	2.4300000E+12	s	WPO36301	Y	N/A
608	4	CONSTANT	2.4300000E+12	2.4300000E+12	2.4300000E+12	2.4300000E+12	s	WPO37404	Y	N/A
608	4	CONSTANT	2.4300000E+12	2.4300000E+12	2.4300000E+12	2.4300000E+12	s	WPO40434	Y	N/A
609	2	CONSTANT	2.8300000E-01	2.8300000E-01	2.8300000E-01	2.8300000E-01	Ci	WPO37061	Y	N/A
609	2	CONSTANT	2.8300000E-01	2.8300000E-01	2.8300000E-01	2.8300000E-01	Ci	WPO39260	Y	N/A
609	2	CONSTANT	2.8300000E-01	2.8300000E-01	2.8300000E-01	2.8300000E-01	Ci	WPO41559	Y	N/A
609	2	CONSTANT	2.8300000E-01	2.8300000E-01	2.8300000E-01	2.8300000E-01	Ci	WPO41560	Y	N/A
610	2	CONSTANT	2.2200000E-02	2.2200000E-02	2.2200000E-02	2.2200000E-02	Ci	WPO37061	Y	N/A
610	2	CONSTANT	2.2200000E-02	2.2200000E-02	2.2200000E-02	2.2200000E-02	Ci	WPO39260	Y	N/A
610	2	CONSTANT	2.2200000E-02	2.2200000E-02	2.2200000E-02	2.2200000E-02	Ci	WPO41559	Y	N/A
610	2	CONSTANT	2.2200000E-02	2.2200000E-02	2.2200000E-02	2.2200000E-02	Ci	WPO41560	Y	N/A
611	4	CONSTANT	2.3203800E-01	2.3203800E-01	2.3203800E-01	2.3203800E-01	kg/mole	CRC-72	Y	N/A
611	4	CONSTANT	2.3203800E-01	2.3203800E-01	2.3203800E-01	2.3203800E-01	kg/mole	WPO36298	Y	N/A
611	4	CONSTANT	2.3203800E-01	2.3203800E-01	2.3203800E-01	2.3203800E-01	kg/mole	WPO36301	Y	N/A
612	4	CONSTANT	4.4340000E+17	4.4340000E+17	4.4340000E+17	4.4340000E+17	s	WPO36301	Y	N/A
612	4	CONSTANT	4.4340000E+17	4.4340000E+17	4.4340000E+17	4.4340000E+17	s	WPO37404	Y	N/A
612	4	CONSTANT	4.4340000E+17	4.4340000E+17	4.4340000E+17	4.4340000E+17	s	WPO40434	Y	N/A
613	2	CONSTANT	9.1400000E-01	9.1400000E-01	9.1400000E-01	9.1400000E-01	Ci	WPO37061	Y	N/A
613	2	CONSTANT	9.1400000E-01	9.1400000E-01	9.1400000E-01	9.1400000E-01	Ci	WPO39260	Y	N/A
613	2	CONSTANT	9.1400000E-01	9.1400000E-01	9.1400000E-01	9.1400000E-01	Ci	WPO41559	Y	N/A
613	2	CONSTANT	9.1400000E-01	9.1400000E-01	9.1400000E-01	9.1400000E-01	Ci	WPO41560	Y	N/A
614	2	CONSTANT	9.2600000E-02	9.2600000E-02	9.2600000E-02	9.2600000E-02	Ci	WPO37061	Y	N/A

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 454 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		614	TH232	Thorium 232	INVRHD	Inventory of Remote Handled Design	34607A	29-Oct-96	Y	2
Y		614	TH232	Thorium 232	INVRHD	Inventory of Remote Handled Design	34607A	29-Oct-96	Y	2
Y		614	TH232	Thorium 232	INVRHD	Inventory of Remote Handled Design	34607A	29-Oct-96	Y	2
Y	0.02	632	U233	Uranium 233	ATWEIGHT	Atomic Weight in kg/mole	32459	02-Nov-95	Y	3
Y	0.02	632	U233	Uranium 233	ATWEIGHT	Atomic Weight in kg/mole	32459	02-Nov-95	Y	3
Y	0.02	632	U233	Uranium 233	ATWEIGHT	Atomic Weight in kg/mole	32459	02-Nov-95	Y	3
Y	100	633	U233	Uranium 233	HALFLIFE	Half-life	34662	16-Apr-96	Y	3
Y	100	633	U233	Uranium 233	HALFLIFE	Half-life	34662	16-Apr-96	Y	3
Y	100	633	U233	Uranium 233	HALFLIFE	Half-life	34662	16-Apr-96	Y	3
Y		634	U233	Uranium 233	INVCHD	Inventory of Contact Handled Design	34663A	29-Oct-96	Y	2
Y		634	U233	Uranium 233	INVCHD	Inventory of Contact Handled Design	34663A	29-Oct-96	Y	2
Y		634	U233	Uranium 233	INVCHD	Inventory of Contact Handled Design	34663A	29-Oct-96	Y	2
Y		634	U233	Uranium 233	INVCHD	Inventory of Contact Handled Design	34663A	29-Oct-96	Y	2
Y		635	U233	Uranium 233	INVRHD	Inventory of Remote Handled Design	34664A	29-Oct-96	Y	2
Y		635	U233	Uranium 233	INVRHD	Inventory of Remote Handled Design	34664A	29-Oct-96	Y	2
Y		635	U233	Uranium 233	INVRHD	Inventory of Remote Handled Design	34664A	29-Oct-96	Y	2
Y		635	U233	Uranium 233	INVRHD	Inventory of Remote Handled Design	34664A	29-Oct-96	Y	2
Y	0.02	636	U234	Uranium 234	ATWEIGHT	Atomic Weight in kg/mole	32460	02-Nov-95	Y	3
Y	0.02	636	U234	Uranium 234	ATWEIGHT	Atomic Weight in kg/mole	32460	02-Nov-95	Y	3
Y	0.02	636	U234	Uranium 234	ATWEIGHT	Atomic Weight in kg/mole	32460	02-Nov-95	Y	3
Y	100	637	U234	Uranium 234	HALFLIFE	Half-life	34667	16-Apr-96	Y	3
Y	100	637	U234	Uranium 234	HALFLIFE	Half-life	34667	16-Apr-96	Y	3
Y	100	637	U234	Uranium 234	HALFLIFE	Half-life	34667	16-Apr-96	Y	3
Y		638	U234	Uranium 234	INVCHD	Inventory of Contact Handled Design	34668A	29-Oct-96	Y	2
Y		638	U234	Uranium 234	INVCHD	Inventory of Contact Handled Design	34668A	29-Oct-96	Y	2
Y		638	U234	Uranium 234	INVCHD	Inventory of Contact Handled Design	34668A	29-Oct-96	Y	2
Y		638	U234	Uranium 234	INVCHD	Inventory of Contact Handled Design	34668A	29-Oct-96	Y	2
Y		639	U234	Uranium 234	INVRHD	Inventory of Remote Handled Design	34669A	29-Oct-96	Y	2
Y		639	U234	Uranium 234	INVRHD	Inventory of Remote Handled Design	34669A	29-Oct-96	Y	2
Y		639	U234	Uranium 234	INVRHD	Inventory of Remote Handled Design	34669A	29-Oct-96	Y	2
Y		639	U234	Uranium 234	INVRHD	Inventory of Remote Handled Design	34669A	29-Oct-96	Y	2
Y		639	U234	Uranium 234	INVRHD	Inventory of Remote Handled Design	34669A	29-Oct-96	Y	2
Y	0.02	640	U235	Uranium 235	ATWEIGHT	Atomic Weight in kg/mole	32461	02-Nov-95	Y	3
Y	0.02	640	U235	Uranium 235	ATWEIGHT	Atomic Weight in kg/mole	32461	02-Nov-95	Y	3
Y	0.02	640	U235	Uranium 235	ATWEIGHT	Atomic Weight in kg/mole	32461	02-Nov-95	Y	3
Y	100	641	U235	Uranium 235	HALFLIFE	Half-life	34671	16-Apr-96	Y	3
Y	100	641	U235	Uranium 235	HALFLIFE	Half-life	34671	16-Apr-96	Y	3
Y	100	641	U235	Uranium 235	HALFLIFE	Half-life	34671	16-Apr-96	Y	3
Y		642	U235	Uranium 235	INVCHD	Inventory of Contact Handled Design	34672A	29-Oct-96	Y	2
Y		642	U235	Uranium 235	INVCHD	Inventory of Contact Handled Design	34672A	29-Oct-96	Y	2
Y		642	U235	Uranium 235	INVCHD	Inventory of Contact Handled Design	34672A	29-Oct-96	Y	2
Y		642	U235	Uranium 235	INVCHD	Inventory of Contact Handled Design	34672A	29-Oct-96	Y	2
Y		643	U235	Uranium 235	INVRHD	Inventory of Remote Handled Design	34674A	29-Oct-96	Y	2

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NOA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
614	2	CONSTANT	9.2600000E-02	9.2600000E-02	9.2600000E-02	9.2600000E-02	Ci	WPO39260	Y	N/A
614	2	CONSTANT	9.2600000E-02	9.2600000E-02	9.2600000E-02	9.2600000E-02	Ci	WPO41559	Y	N/A
614	2	CONSTANT	9.2600000E-02	9.2600000E-02	9.2600000E-02	9.2600000E-02	Ci	WPO41560	Y	N/A
632	4	CONSTANT	2.3304000E-01	2.3304000E-01	2.3304000E-01	2.3304000E-01	kg/mole	CRC-72	Y	N/A
632	4	CONSTANT	2.3304000E-01	2.3304000E-01	2.3304000E-01	2.3304000E-01	kg/mole	WPO36298	Y	N/A
632	4	CONSTANT	2.3304000E-01	2.3304000E-01	2.3304000E-01	2.3304000E-01	kg/mole	WPO36301	Y	N/A
633	4	CONSTANT	5.0020000E+12	5.0020000E+12	5.0020000E+12	5.0020000E+12	s	WPO36301	Y	N/A
633	4	CONSTANT	5.0020000E+12	5.0020000E+12	5.0020000E+12	5.0020000E+12	s	WPO37404	Y	N/A
633	4	CONSTANT	5.0020000E+12	5.0020000E+12	5.0020000E+12	5.0020000E+12	s	WPO40434	Y	N/A
634	2	CONSTANT	1.7900000E+03	1.7900000E+03	1.7900000E+03	1.7900000E+03	Ci	WPO37061	Y	N/A
634	2	CONSTANT	1.7900000E+03	1.7900000E+03	1.7900000E+03	1.7900000E+03	Ci	WPO39260	Y	N/A
634	2	CONSTANT	1.7900000E+03	1.7900000E+03	1.7900000E+03	1.7900000E+03	Ci	WPO41559	Y	N/A
634	2	CONSTANT	1.7900000E+03	1.7900000E+03	1.7900000E+03	1.7900000E+03	Ci	WPO41560	Y	N/A
635	2	CONSTANT	1.5800000E+02	1.5800000E+02	1.5800000E+02	1.5800000E+02	Ci	WPO37061	Y	N/A
635	2	CONSTANT	1.5800000E+02	1.5800000E+02	1.5800000E+02	1.5800000E+02	Ci	WPO39260	Y	N/A
635	2	CONSTANT	1.5800000E+02	1.5800000E+02	1.5800000E+02	1.5800000E+02	Ci	WPO41559	Y	N/A
635	2	CONSTANT	1.5800000E+02	1.5800000E+02	1.5800000E+02	1.5800000E+02	Ci	WPO41560	Y	N/A
636	4	CONSTANT	2.3404100E-01	2.3404100E-01	2.3404100E-01	2.3404100E-01	kg/mole	CRC-72	Y	N/A
636	4	CONSTANT	2.3404100E-01	2.3404100E-01	2.3404100E-01	2.3404100E-01	kg/mole	WPO36298	Y	N/A
636	4	CONSTANT	2.3404100E-01	2.3404100E-01	2.3404100E-01	2.3404100E-01	kg/mole	WPO36301	Y	N/A
637	4	CONSTANT	7.7160000E+12	7.7160000E+12	7.7160000E+12	7.7160000E+12	s	WPO36301	Y	N/A
637	4	CONSTANT	7.7160000E+12	7.7160000E+12	7.7160000E+12	7.7160000E+12	s	WPO37404	Y	N/A
637	4	CONSTANT	7.7160000E+12	7.7160000E+12	7.7160000E+12	7.7160000E+12	s	WPO40434	Y	N/A
638	2	CONSTANT	7.0800000E+02	7.0800000E+02	7.0800000E+02	7.0800000E+02	Ci	WPO37061	Y	N/A
638	2	CONSTANT	7.0800000E+02	7.0800000E+02	7.0800000E+02	7.0800000E+02	Ci	WPO39260	Y	N/A
638	2	CONSTANT	7.0800000E+02	7.0800000E+02	7.0800000E+02	7.0800000E+02	Ci	WPO41559	Y	N/A
638	2	CONSTANT	7.0800000E+02	7.0800000E+02	7.0800000E+02	7.0800000E+02	Ci	WPO41560	Y	N/A
639	2	CONSTANT	4.2900000E+01	4.2900000E+01	4.2900000E+01	4.2900000E+01	Ci	WPO37061	Y	N/A
639	2	CONSTANT	4.2900000E+01	4.2900000E+01	4.2900000E+01	4.2900000E+01	Ci	WPO39260	Y	N/A
639	2	CONSTANT	4.2900000E+01	4.2900000E+01	4.2900000E+01	4.2900000E+01	Ci	WPO41559	Y	N/A
639	2	CONSTANT	4.2900000E+01	4.2900000E+01	4.2900000E+01	4.2900000E+01	Ci	WPO41560	Y	N/A
640	4	CONSTANT	2.3504400E-01	2.3504400E-01	2.3504400E-01	2.3504400E-01	kg/mole	CRC-72	Y	N/A
640	4	CONSTANT	2.3504400E-01	2.3504400E-01	2.3504400E-01	2.3504400E-01	kg/mole	WPO36298	Y	N/A
640	4	CONSTANT	2.3504400E-01	2.3504400E-01	2.3504400E-01	2.3504400E-01	kg/mole	WPO36301	Y	N/A
641	4	CONSTANT	2.2210000E+16	2.2210000E+16	2.2210000E+16	2.2210000E+16	s	WPO36301	Y	N/A
641	4	CONSTANT	2.2210000E+16	2.2210000E+16	2.2210000E+16	2.2210000E+16	s	WPO37404	Y	N/A
641	4	CONSTANT	2.2210000E+16	2.2210000E+16	2.2210000E+16	2.2210000E+16	s	WPO40434	Y	N/A
642	2	CONSTANT	1.2800000E+01	1.2800000E+01	1.2800000E+01	1.2800000E+01	Ci	WPO37061	Y	N/A
642	2	CONSTANT	1.2800000E+01	1.2800000E+01	1.2800000E+01	1.2800000E+01	Ci	WPO39260	Y	N/A
642	2	CONSTANT	1.2800000E+01	1.2800000E+01	1.2800000E+01	1.2800000E+01	Ci	WPO41559	Y	N/A
642	2	CONSTANT	1.2800000E+01	1.2800000E+01	1.2800000E+01	1.2800000E+01	Ci	WPO41560	Y	N/A
643	2	CONSTANT	4.6300000E+00	4.6300000E+00	4.6300000E+00	4.6300000E+00	Ci	WPO37061	Y	N/A

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 454 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		643	U235	Uranium 235	INVRHD	Inventory of Remote Handled Design	34674A	29-Oct-96	Y	2
Y		643	U235	Uranium 235	INVRHD	Inventory of Remote Handled Design	34674A	29-Oct-96	Y	2
Y		643	U235	Uranium 235	INVRHD	Inventory of Remote Handled Design	34674A	29-Oct-96	Y	2
Y	0.02	644	U236	Uranium 236	ATWEIGHT	Atomic Weight in kg/mole	32462	02-Nov-95	Y	3
Y	0.02	644	U236	Uranium 236	ATWEIGHT	Atomic Weight in kg/mole	32462	02-Nov-95	Y	3
Y	0.02	644	U236	Uranium 236	ATWEIGHT	Atomic Weight in kg/mole	32462	02-Nov-95	Y	3
Y	100	645	U236	Uranium 236	HALFLIFE	Half-life	34676	16-Apr-96	Y	3
Y	100	645	U236	Uranium 236	HALFLIFE	Half-life	34676	16-Apr-96	Y	3
Y	100	645	U236	Uranium 236	HALFLIFE	Half-life	34676	16-Apr-96	Y	3
Y		646	U236	Uranium 236	INVRHD	Inventory of Remote Handled Design	34678A	29-Oct-96	Y	2
Y		646	U236	Uranium 236	INVRHD	Inventory of Remote Handled Design	34678A	29-Oct-96	Y	2
Y		646	U236	Uranium 236	INVRHD	Inventory of Remote Handled Design	34678A	29-Oct-96	Y	2
Y	0.02	647	U238	Uranium 238	ATWEIGHT	Atomic Weight in kg/mole	32463	02-Nov-95	Y	3
Y	0.02	647	U238	Uranium 238	ATWEIGHT	Atomic Weight in kg/mole	32463	02-Nov-95	Y	3
Y	0.02	647	U238	Uranium 238	ATWEIGHT	Atomic Weight in kg/mole	32463	02-Nov-95	Y	3
Y	100	648	U238	Uranium 238	HALFLIFE	Half-life	34680	16-Apr-96	Y	3
Y	100	648	U238	Uranium 238	HALFLIFE	Half-life	34680	16-Apr-96	Y	3
Y	100	648	U238	Uranium 238	HALFLIFE	Half-life	34680	16-Apr-96	Y	3
Y		649	U238	Uranium 238	INVCHD	Inventory of Contact Handled Design	34681A	29-Oct-96	Y	2
Y		649	U238	Uranium 238	INVCHD	Inventory of Contact Handled Design	34681A	29-Oct-96	Y	2
Y		649	U238	Uranium 238	INVCHD	Inventory of Contact Handled Design	34681A	29-Oct-96	Y	2
Y		649	U238	Uranium 238	INVCHD	Inventory of Contact Handled Design	34681A	29-Oct-96	Y	2
Y		650	U238	Uranium 238	INVRHD	Inventory of Remote Handled Design	34682A	29-Oct-96	Y	2
Y		650	U238	Uranium 238	INVRHD	Inventory of Remote Handled Design	34682A	29-Oct-96	Y	2
Y		650	U238	Uranium 238	INVRHD	Inventory of Remote Handled Design	34682A	29-Oct-96	Y	2
Y		650	U238	Uranium 238	INVRHD	Inventory of Remote Handled Design	34682A	29-Oct-96	Y	2
Y		651	WAS_AREA	Waste emplacement area and waste	ABSRUGH	Absolute roughness of material	34980	14-Nov-95	Y	4B
Y		651	WAS_AREA	Waste emplacement area and waste	ABSRUGH	Absolute roughness of material	34980	14-Nov-95	Y	4B
Y		651	WAS_AREA	Waste emplacement area and waste	ABSRUGH	Absolute roughness of material	34980	14-Nov-95	Y	4B
Y		651	WAS_AREA	Waste emplacement area and waste	ABSRUGH	Absolute roughness of material	34980	14-Nov-95	Y	4B
Y		652	WAS_AREA	Waste emplacement area and waste	CAP_MOD	Model number, capillary pressure model	34982	08-Feb-96	Y	4B
Y		652	WAS_AREA	Waste emplacement area and waste	CAP_MOD	Model number, capillary pressure model	34982	08-Feb-96	Y	4B
Y		652	WAS_AREA	Waste emplacement area and waste	CAP_MOD	Model number, capillary pressure model	34982	08-Feb-96	Y	4B
Y		653	WAS_AREA	Waste emplacement area and waste	COMP_RCK	Bulk Compressibility	34987	08-Feb-96	Y	4B
Y		653	WAS_AREA	Waste emplacement area and waste	COMP_RCK	Bulk Compressibility	34987	08-Feb-96	Y	4B
Y		653	WAS_AREA	Waste emplacement area and waste	COMP_RCK	Bulk Compressibility	34987	08-Feb-96	Y	4B
Y		656	WAS_AREA	Waste emplacement area and waste	GRATMICH	Gas Production Rate, Microbial, Humid Conditions Relative to Inundated Rate	34923	08-Feb-96	Y	1
Y		656	WAS_AREA	Waste emplacement area and waste	GRATMICH	Gas Production Rate, Microbial, Humid Conditions Relative to Inundated Rate	34923	08-Feb-96	Y	1

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
643	2	CONSTANT	4.6300000E+00	4.6300000E+00	4.6300000E+00	4.6300000E+00	Ci	WPO39260	Y	N/A
643	2	CONSTANT	4.6300000E+00	4.6300000E+00	4.6300000E+00	4.6300000E+00	Ci	WPO41559	Y	N/A
643	2	CONSTANT	4.6300000E+00	4.6300000E+00	4.6300000E+00	4.6300000E+00	Ci	WPO41560	Y	N/A
644	4	CONSTANT	2.3604600E-01	2.3604600E-01	2.3604600E-01	2.3604600E-01	kg/mole	CRC-72	Y	N/A
644	4	CONSTANT	2.3604600E-01	2.3604600E-01	2.3604600E-01	2.3604600E-01	kg/mole	WPO36298	Y	N/A
644	4	CONSTANT	2.3604600E-01	2.3604600E-01	2.3604600E-01	2.3604600E-01	kg/mole	WPO36301	Y	N/A
645	4	CONSTANT	7.3890000E+14	7.3890000E+14	7.3890000E+14	7.3890000E+114	s	WPO36301	Y	N/A
645	4	CONSTANT	7.3890000E+14	7.3890000E+14	7.3890000E+14	7.3890000E+114	s	WPO37404	Y	N/A
645	4	CONSTANT	7.3890000E+14	7.3890000E+14	7.3890000E+14	7.3890000E+114	s	WPO40434	Y	N/A
646	2	CONSTANT	1.0300000E-01	1.0300000E-01	1.0300000E-01	1.0300000E-01	Ci	WPO37061	Y	N/A
646	2	CONSTANT	1.0300000E-01	1.0300000E-01	1.0300000E-01	1.0300000E-01	Ci	WPO39260	Y	N/A
646	2	CONSTANT	1.0300000E-01	1.0300000E-01	1.0300000E-01	1.0300000E-01	Ci	WPO41559	Y	N/A
646	2	CONSTANT	1.0300000E-01	1.0300000E-01	1.0300000E-01	1.0300000E-01	Ci	WPO41560	Y	N/A
647	4	CONSTANT	2.3805100E-01	2.3805100E-01	2.3805100E-01	2.3805100E-01	kg/mole	CRC-72	Y	N/A
647	4	CONSTANT	2.3805100E-01	2.3805100E-01	2.3805100E-01	2.3805100E-01	kg/mole	WPO36298	Y	N/A
647	4	CONSTANT	2.3805100E-01	2.3805100E-01	2.3805100E-01	2.3805100E-01	kg/mole	WPO36301	Y	N/A
648	4	CONSTANT	1.4100000E+17	1.4100000E+17	1.4100000E+17	1.4100000E+17	s	WPO36301	Y	N/A
648	4	CONSTANT	1.4100000E+17	1.4100000E+17	1.4100000E+17	1.4100000E+17	s	WPO37404	Y	N/A
648	4	CONSTANT	1.4100000E+17	1.4100000E+17	1.4100000E+17	1.4100000E+17	s	WPO40434	Y	N/A
649	2	CONSTANT	3.9600000E+01	3.9600000E+01	3.9600000E+01	3.9600000E+01	Ci	WPO37061	Y	N/A
649	2	CONSTANT	3.9600000E+01	3.9600000E+01	3.9600000E+01	3.9600000E+01	Ci	WPO39260	Y	N/A
649	2	CONSTANT	3.9600000E+01	3.9600000E+01	3.9600000E+01	3.9600000E+01	Ci	WPO41559	Y	N/A
649	2	CONSTANT	3.9600000E+01	3.9600000E+01	3.9600000E+01	3.9600000E+01	Ci	WPO41560	Y	N/A
650	2	CONSTANT	1.0500000E+01	1.0500000E+01	1.0500000E+01	1.0500000E+01	Ci	WPO37061	Y	N/A
650	2	CONSTANT	1.0500000E+01	1.0500000E+01	1.0500000E+01	1.0500000E+01	Ci	WPO39260	Y	N/A
650	2	CONSTANT	1.0500000E+01	1.0500000E+01	1.0500000E+01	1.0500000E+01	Ci	WPO41559	Y	N/A
650	2	CONSTANT	1.0500000E+01	1.0500000E+01	1.0500000E+01	1.0500000E+01	Ci	WPO41560	Y	N/A
651	4,5	UNIFORM	2.5000000E-02	2.5000000E-02	1.0000000E-02	4.0000000E-02	m	STREETER-1	Y	N/A
651	4,5	UNIFORM	2.5000000E-02	2.5000000E-02	1.0000000E-02	4.0000000E-02	m	WPO35597	Y	N/A
651	4,5	UNIFORM	2.5000000E-02	2.5000000E-02	1.0000000E-02	4.0000000E-02	m	WPO38568	Y	N/A
651	4,5	UNIFORM	2.5000000E-02	2.5000000E-02	1.0000000E-02	4.0000000E-02	m	WPO40521	Y	N/A
652	1,3	CONSTANT	1.0000000E+00	1.0000000E+00	1.0000000E+00	1.0000000E+00	NONE	WPO35597	Y	N/A
652	1,3	CONSTANT	1.0000000E+00	1.0000000E+00	1.0000000E+00	1.0000000E+00	NONE	WPO40514	Y	N/A
652	1,3	CONSTANT	1.0000000E+00	1.0000000E+00	1.0000000E+00	1.0000000E+00	NONE	WPO42681	Y	N/A
653	1,3	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0.0000000E+00	Pa^-1	WPO35597	Y	N/A
653	1,3	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0.0000000E+00	Pa^-1	WPO40514	Y	N/A
653	1,3	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0.0000000E+00	Pa^-1	WPO42681	Y	N/A
656	1	UNIFORM	6.3420000E-10	6.3420000E-10	0.0000000E+00	1.2684000E-09	mol/kg*s	WPO30819	Y&N	4
656	1	UNIFORM	6.3420000E-10	6.3420000E-10	0.0000000E+00	1.2684000E-09	mol/kg*s	WPO35268	Y&N	4

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 454 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		656	WAS_AREA	Waste emplacement area and waste	GRATMICH	Gas Production Rate, Microbial, Humid Conditions Relative to Inundated Rate	34923	08-Feb-96	Y	1
Y		657	WAS_AREA	Waste emplacement area and waste	GRATMICI	Gas production rate, microbial, inundated conditions	34928	08-Feb-96	Y	1
Y		657	WAS_AREA	Waste emplacement area and waste	GRATMICI	Gas production rate, microbial, inundated conditions	34928	08-Feb-96	Y	1
Y		657	WAS_AREA	Waste emplacement area and waste	GRATMICI	Gas production rate, microbial, inundated conditions	34928	08-Feb-96	Y	1
Y		658	WAS_AREA	Waste emplacement area and waste	PC_MAX	Maximum allowable capillary pressure	34986	02-Nov-95	Y	4B
Y		658	WAS_AREA	Waste emplacement area and waste	PC_MAX	Maximum allowable capillary pressure	34986	02-Nov-95	Y	4B
Y		659	WAS_AREA	Waste emplacement area and waste	PORE_DIS	Brooks-Corey pore distribution parameter	34989	22-Feb-96	Y	4B
Y		659	WAS_AREA	Waste emplacement area and waste	PORE_DIS	Brooks-Corey pore distribution parameter	34989	22-Feb-96	Y	4B
Y		659	WAS_AREA	Waste emplacement area and waste	PORE_DIS	Brooks-Corey pore distribution parameter	34989	22-Feb-96	Y	4B
Y		659	WAS_AREA	Waste emplacement area and waste	PORE_DIS	Brooks-Corey pore distribution parameter	34989	22-Feb-96	Y	4B
Y		660	WAS_AREA	Waste emplacement area and waste	POROSITY	Effective porosity	34874	08-Feb-96	Y	4B
Y		660	WAS_AREA	Waste emplacement area and waste	POROSITY	Effective porosity	34874	08-Feb-96	Y	4B
Y		660	WAS_AREA	Waste emplacement area and waste	POROSITY	Effective porosity	34874	08-Feb-96	Y	4B
Y		661	WAS_AREA	Waste emplacement area and waste	PO_MIN	Minimum brine pressure for capillary model KPC=3	34875	21-Feb-96	Y	4B
Y		661	WAS_AREA	Waste emplacement area and waste	PO_MIN	Minimum brine pressure for capillary model KPC=3	34875	21-Feb-96	Y	4B
Y		661	WAS_AREA	Waste emplacement area and waste	PO_MIN	Minimum brine pressure for capillary model KPC=3	34875	21-Feb-96	Y	4B
Y		662	WAS_AREA	Waste emplacement area and waste	PRESSURE	Brine far-field pore pressure	34876	02-Nov-95	Y	4B
Y		662	WAS_AREA	Waste emplacement area and waste	PRESSURE	Brine far-field pore pressure	34876	02-Nov-95	Y	4B
Y		663	WAS_AREA	Waste emplacement area and waste	PRMX_LOG	Log of intrinsic permeability, X-direction	34877	08-Feb-96	Y	1
Y		663	WAS_AREA	Waste emplacement area and waste	PRMX_LOG	Log of intrinsic permeability, X-direction	34877	08-Feb-96	Y	1
Y		663	WAS_AREA	Waste emplacement area and waste	PRMX_LOG	Log of intrinsic permeability, X-direction	34877	08-Feb-96	Y	1
Y		663	WAS_AREA	Waste emplacement area and waste	PRMX_LOG	Log of intrinsic permeability, X-direction	34877	08-Feb-96	Y	1
Y		664	WAS_AREA	Waste emplacement area and waste	PRMY_LOG	Log of intrinsic permeability, Y-direction	34878	08-Feb-96	-Y	1
Y		664	WAS_AREA	Waste emplacement area and waste	PRMY_LOG	Log of intrinsic permeability, Y-direction	34878	08-Feb-96	Y	1
Y		664	WAS_AREA	Waste emplacement area and waste	PRMY_LOG	Log of intrinsic permeability, Y-direction	34878	08-Feb-96	Y	1
Y		664	WAS_AREA	Waste emplacement area and waste	PRMY_LOG	Log of intrinsic permeability, Y-direction	34878	08-Feb-96	Y	1
Y		665	WAS_AREA	Waste emplacement area and waste	PRMZ_LOG	Log of intrinsic permeability, Z-direction	34879	08-Feb-96	Y	1
Y		665	WAS_AREA	Waste emplacement area and waste	PRMZ_LOG	Log of intrinsic permeability, Z-direction	34879	08-Feb-96	Y	1
Y		665	WAS_AREA	Waste emplacement area and waste	PRMZ_LOG	Log of intrinsic permeability, Z-direction	34879	08-Feb-96	Y	1
Y		665	WAS_AREA	Waste emplacement area and waste	PRMZ_LOG	Log of intrinsic permeability, Z-direction	34879	08-Feb-96	Y	1
Y		668	WAS_AREA	Waste emplacement area and waste	RELP_MOD	Model number, relative permeability model	34890	08-Feb-96	Y	4B
Y		668	WAS_AREA	Waste emplacement area and waste	RELP_MOD	Model number, relative permeability model	34890	08-Feb-96	Y	4B
Y		668	WAS_AREA	Waste emplacement area and waste	RELP_MOD	Model number, relative permeability model	34890	08-Feb-96	Y	4B
Y		669	WAS_AREA	Waste emplacement area and waste	SAT_IBRN	Initial Brine Saturation	34894	20-Feb-96	Y	4B

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
656	1	UNIFORM	6.3420000E-10	6.3420000E-10	0.0000000E+00	1.2684000E-09	mol/kg*s	WPO35597	Y&N	4
657	1	UNIFORM	4.9150000E-09	4.9150000E-09	3.1710000E-10	9.5129000E-09	mol/kg*s	WPO30819	Y&N	4
657	1	UNIFORM	4.9150000E-09	4.9150000E-09	3.1710000E-10	9.5129000E-09	mol/kg*s	WPO35268	Y&N	4
657	1	UNIFORM	4.9150000E-09	4.9150000E-09	3.1710000E-10	9.5129000E-09	mol/kg*s	WPO35597	Y&N	4
658	1,3	CONSTANT	1.0000000E+08	1.0000000E+08	1.0000000E+08	1.0000000E+08	Pa	WPO38568	Y	N/A
658	1,3	CONSTANT	1.0000000E+08	1.0000000E+08	1.0000000E+08	1.0000000E+08	Pa	WPO40514	Y	N/A
659	1,3	CUMULATIVE	3.2500000E+00	2.8900000E+00	1.4400000E+00	5.7800000E+00	NONE	WPO30921	Y	N/A
659	1,3	CUMULATIVE	3.2500000E+00	2.8900000E+00	1.4400000E+00	5.7800000E+00	NONE	WPO35268	Y	N/A
659	1,3	CUMULATIVE	3.2500000E+00	2.8900000E+00	1.4400000E+00	5.7800000E+00	NONE	WPO35597	Y	N/A
659	1,3	CUMULATIVE	3.2500000E+00	2.8900000E+00	1.4400000E+00	5.7800000E+00	NONE	WPO40514	Y	N/A
660	1,3	CONSTANT	8.4800000E-01	8.4800000E-01	8.4800000E-01	8.4800000E-01	NONE	WPO35597	Y	N/A
660	1,3	CONSTANT	8.4800000E-01	8.4800000E-01	8.4800000E-01	8.4800000E-01	NONE	WPO40514	Y	N/A
660	1,3	CONSTANT	8.4800000E-01	8.4800000E-01	8.4800000E-01	8.4800000E-01	NONE	WPO42681	Y	N/A
661	1,3	CONSTANT	1.0132500E+05	1.0132500E+05	1.0132500E+05	1.0132500E+05	Pa	WPO35597	Y	N/A
661	1,3	CONSTANT	1.0132500E+05	1.0132500E+05	1.0132500E+05	1.0132500E+05	Pa	WPO36051	Y	N/A
661	1,3	CONSTANT	1.0132500E+05	1.0132500E+05	1.0132500E+05	1.0132500E+05	Pa	WPO40514	Y	N/A
662	1,3	CONSTANT	1.0132500E+05	1.0132500E+05	1.0132500E+05	1.0132500E+05	Pa	WPO38568	Y	N/A
662	1,3	CONSTANT	1.0132500E+05	1.0132500E+05	1.0132500E+05	1.0132500E+05	Pa	WPO40514	Y	N/A
663	1	CONSTANT	-1.2769000E+01	-1.2769000E+01	-1.2769000E+01	-1.2769000E+01	log(m^2)	WPO30921	N	1
663	1	CONSTANT	-1.2769000E+01	-1.2769000E+01	-1.2769000E+01	-1.2769000E+01	log(m^2)	WPO30925	N	1
663	1	CONSTANT	-1.2769000E+01	-1.2769000E+01	-1.2769000E+01	-1.2769000E+01	log(m^2)	WPO35597	N	1
663	1	CONSTANT	-1.2769000E+01	-1.2769000E+01	-1.2769000E+01	-1.2769000E+01	log(m^2)	WPO42681	N	1
664	1	CONSTANT	-1.2769000E+01	-1.2769000E+01	-1.2769000E+01	-1.2769000E+01	log(m^2)	WPO30921	-N	1
664	1	CONSTANT	-1.2769000E+01	-1.2769000E+01	-1.2769000E+01	-1.2769000E+01	log(m^2)	WPO30925	N	1
664	1	CONSTANT	-1.2769000E+01	-1.2769000E+01	-1.2769000E+01	-1.2769000E+01	log(m^2)	WPO35597	N	1
664	1	CONSTANT	-1.2769000E+01	-1.2769000E+01	-1.2769000E+01	-1.2769000E+01	log(m^2)	WPO42681	N	1
665	1	CONSTANT	-1.2769000E+01	-1.2769000E+01	-1.2769000E+01	-1.2769000E+01	log(m^2)	WPO30921	N	1
665	1	CONSTANT	-1.2769000E+01	-1.2769000E+01	-1.2769000E+01	-1.2769000E+01	log(m^2)	WPO30925	N	1
665	1	CONSTANT	-1.2769000E+01	-1.2769000E+01	-1.2769000E+01	-1.2769000E+01	log(m^2)	WPO35597	N	1
665	1	CONSTANT	-1.2769000E+01	-1.2769000E+01	-1.2769000E+01	-1.2769000E+01	log(m^2)	WPO42681	N	1
668	1,3	CONSTANT	4.0000000E+00	4.0000000E+00	4.0000000E+00	4.0000000E+00	NONE	WPO35597	Y	N/A
668	1,3	CONSTANT	4.0000000E+00	4.0000000E+00	4.0000000E+00	4.0000000E+00	NONE	WPO40514	Y	N/A
668	1,3	CONSTANT	4.0000000E+00	4.0000000E+00	4.0000000E+00	4.0000000E+00	NONE	WPO42681	Y	N/A
669	1,3	CONSTANT	1.5000000E-02	1.5000000E-02	1.5000000E-02	1.5000000E-02	NONE	WPO30925	Y	N/A

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 454 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		669	WAS_AREA	Waste emplacement area and waste	SAT_IBRN	Initial Brine Saturation	34894	20-Feb-96	Y	4B
Y		669	WAS_AREA	Waste emplacement area and waste	SAT_IBRN	Initial Brine Saturation	34894	20-Feb-96	Y	4B
Y		669	WAS_AREA	Waste emplacement area and waste	SAT_IBRN	Initial Brine Saturation	34894	20-Feb-96	Y	4B
Y		670	WAS_AREA	Waste emplacement area and waste	SAT_RBRN	Residual Brine Saturation	34902	21-Feb-96	Y	4B
Y		670	WAS_AREA	Waste emplacement area and waste	SAT_RBRN	Residual Brine Saturation	34902	21-Feb-96	Y	4B
Y		670	WAS_AREA	Waste emplacement area and waste	SAT_RBRN	Residual Brine Saturation	34902	21-Feb-96	Y	4B
Y		670	WAS_AREA	Waste emplacement area and waste	SAT_RBRN	Residual Brine Saturation	34902	21-Feb-96	Y	4B
Y		671	WAS_AREA	Waste emplacement area and waste	SAT_RGAS	Residual Gas Saturation	34905	22-Feb-96	Y	4B
Y		671	WAS_AREA	Waste emplacement area and waste	SAT_RGAS	Residual Gas Saturation	34905	22-Feb-96	Y	4B
Y		671	WAS_AREA	Waste emplacement area and waste	SAT_RGAS	Residual Gas Saturation	34905	22-Feb-96	Y	4B
Y		671	WAS_AREA	Waste emplacement area and waste	SAT_RGAS	Residual Gas Saturation	34905	22-Feb-96	Y	4B
Y		671	WAS_AREA	Waste emplacement area and waste	SAT_RGAS	Residual Gas Saturation	34905	22-Feb-96	Y	4B
Y		838	CF	Californium	LOGSOLM	Log of the Radionuclide Solubility	31827	01-May-96	Y	4B
Y		838	CF	Californium	LOGSOLM	Log of the Radionuclide Solubility	31827	01-May-96	Y	4B
Y		841	CS	Cesium	LOGSOLM	Log of the Radionuclide Solubility	32680	01-May-96	Y	4B
Y		841	CS	Cesium	LOGSOLM	Log of the Radionuclide Solubility	32680	01-May-96	Y	4B
Y	11.35	843	CULEBRA	Culebra member of the Rustler formation	DNSGRAIN	Material Grain Density	32689	10-Jun-96	Y	1
Y	11.35	843	CULEBRA	Culebra member of the Rustler formation	DNSGRAIN	Material Grain Density	32689	10-Jun-96	Y	1
Y	11.35	843	CULEBRA	Culebra member of the Rustler formation	DNSGRAIN	Material Grain Density	32689	10-Jun-96	Y	1
Y	11.35	843	CULEBRA	Culebra member of the Rustler formation	DNSGRAIN	Material Grain Density	32689	10-Jun-96	Y	1
Y		861	CULEBRA	Culebra member of the Rustler formation	FTORT	Fracture Tortuosity	32541	09-May-96	Y	4B
Y		861	CULEBRA	Culebra member of the Rustler formation	FTORT	Fracture Tortuosity	32541	09-May-96	Y	4B
Y		1659	SR	Strontium	LOGSOLM	Log of the Radionuclide Solubility	34352	01-May-96	Y	4B
Y		1659	SR	Strontium	LOGSOLM	Log of the Radionuclide Solubility	34352	01-May-96	Y	4B
Y		1661	S_ANH_AB	Salado anhydrite beds A and B, intact and fractured	DNSGRAIN	Material Grain Density	34137	12-Feb-96	Y	4A
Y		1661	S_ANH_AB	Salado anhydrite beds A and B, intact and fractured	DNSGRAIN	Material Grain Density	34137	12-Feb-96	Y	4A
Y		1743	S_MB138	Salado marker bed 138, intact and fractured	DNSGRAIN	Material Grain Density	34441	01-Feb-96	Y	1
Y		1743	S_MB138	Salado marker bed 138, intact and fractured	DNSGRAIN	Material Grain Density	34441	01-Feb-96	Y	1
Y		1784	S_MB139	Salado marker bed 139, intact and fractured	DNSGRAIN	Material Grain Density	34579	01-Feb-96	Y	1
Y		1784	S_MB139	Salado marker bed 139, intact and fractured	DNSGRAIN	Material Grain Density	34579	01-Feb-96	Y	1
Y		1992	WAS_AREA	Waste emplacement area and waste	DIRNCCHW	Bulk density of iron containers, CH waste	32466	13-Feb-96	Y	2

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
669	1,3	CONSTANT	1.500000E-02	1.500000E-02	1.500000E-02	1.500000E-02	NONE	WPO35183	Y	N/A
669	1,3	CONSTANT	1.500000E-02	1.500000E-02	1.500000E-02	1.500000E-02	NONE	WPO35597	Y	N/A
669	1,3	CONSTANT	1.500000E-02	1.500000E-02	1.500000E-02	1.500000E-02	NONE	WPO40514	Y	N/A
670	1,3	UNIFORM	2.760000E-01	2.760000E-01	0.000000E+00	5.520000E-01	NONE	MEMO:VAUGHN/TIERNEY-11	Y	N/A
670	1,3	UNIFORM	2.760000E-01	2.760000E-01	0.000000E+00	5.520000E-01	NONE	WPO35268	Y	N/A
670	1,3	UNIFORM	2.760000E-01	2.760000E-01	0.000000E+00	5.520000E-01	NONE	WPO35597	Y	N/A
670	1,3	UNIFORM	2.760000E-01	2.760000E-01	0.000000E+00	5.520000E-01	NONE	WPO40514	Y	N/A
671	1,3	UNIFORM	7.500000E-02	7.500000E-02	0.000000E+00	1.500000E-01	NONE	WPO35268	Y	N/A
671	1,3	UNIFORM	7.500000E-02	7.500000E-02	0.000000E+00	1.500000E-01	NONE	WPO38769	Y	N/A
671	1,3	UNIFORM	7.500000E-02	7.500000E-02	0.000000E+00	1.500000E-01	NONE	WPO40432	Y	N/A
671	1,3	UNIFORM	7.500000E-02	7.500000E-02	0.000000E+00	1.500000E-01	NONE	WPO40514	Y	N/A
671	1,3	UNIFORM	7.500000E-02	7.500000E-02	0.000000E+00	1.500000E-01	NONE	WPO42681	Y	N/A
838	Not Used	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	log(moles/l)	WPO36724	Y	N/A
838	Not Used	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	log(moles/l)	WPO40515	Y	N/A
841	Not Used	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	log(moles/l)	WPO36724	Y	N/A
841	Not Used	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	log(moles/l)	WPO40515	Y	N/A
843	1	CONSTANT	2.820000E+03	2.820000E+03	2.820000E+03	2.820000E+03	kg/m^3	WPO35597	Y	1
843	1	CONSTANT	2.820000E+03	2.820000E+03	2.820000E+03	2.820000E+03	kg/m^3	WPO37232	Y	1
843	1	CONSTANT	2.820000E+03	2.820000E+03	2.820000E+03	2.820000E+03	kg/m^3	WPO37841	Y	1
843	1	CONSTANT	2.820000E+03	2.820000E+03	2.820000E+03	2.820000E+03	kg/m^3	WPO40434	Y	1
861	3,4	CONSTANT	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	NONE	WPO39365	Y	N/A
861	3,4	CONSTANT	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	NONE	WPO40516	Y	N/A
1659	Not Used	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	log(moles/l)	WPO36724	Y	N/A
1659	Not Used	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	log(moles/l)	WPO40515	Y	N/A
1661	1	CONSTANT	2.750000E+03	2.750000E+03	2.750000E+03	2.750000E+03	kg/m^3	WPO30599	Y	N/A
1661	1	CONSTANT	2.750000E+03	2.750000E+03	2.750000E+03	2.750000E+03	kg/m^3	WPO35597	Y	N/A
1743	1	CONSTANT	2.750000E+03	2.750000E+03	2.750000E+03	2.750000E+03	kg/m^3	WPO30599	Y	N/A
1743	1	CONSTANT	2.750000E+03	2.750000E+03	2.750000E+03	2.750000E+03	kg/m^3	WPO35597	Y	N/A
1784	1	CONSTANT	2.750000E+03	2.750000E+03	2.750000E+03	2.750000E+03	kg/m^3	WPO30599	Y	N/A
1784	1	CONSTANT	2.750000E+03	2.750000E+03	2.750000E+03	2.750000E+03	kg/m^3	WPO35597	Y	N/A
1992	2	CONSTANT	1.390000E+02	1.390000E+02	1.390000E+02	1.390000E+02	kg/m^3	WPO32328	Y	N/A

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 454 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		1992	WAS_AREA	Waste emplacement area and waste	DIRNCCHW	Bulk density of iron containers, CH waste	32466	13-Feb-96	Y	2
Y		1993	WAS_AREA	Waste emplacement area and waste	DIRNCRHW	Bulk density of iron containers, RH waste	32467	13-Feb-96	Y	2
Y		1993	WAS_AREA	Waste emplacement area and waste	DIRNCRHW	Bulk density of iron containers, RH waste	32467	13-Feb-96	Y	2
Y		1993	WAS_AREA	Waste emplacement area and waste	DIRNCRHW	Bulk density of iron containers, RH waste	32467	13-Feb-96	Y	2
Y		1995	WAS_AREA	Waste emplacement area and waste	DPLSCCHW	Bulk density of plastic liners, CH waste	32478	13-Feb-96	Y	2
Y		1995	WAS_AREA	Waste emplacement area and waste	DPLSCCHW	Bulk density of plastic liners, CH waste	32478	13-Feb-96	Y	2
Y		2037	CS137	Cesium 137	INVCHD	Inventory of Contact Handled Design	32683A	29-Oct-96	Y	2
Y		2037	CS137	Cesium 137	INVCHD	Inventory of Contact Handled Design	32683A	29-Oct-96	Y	2
Y		2037	CS137	Cesium 137	INVCHD	Inventory of Contact Handled Design	32683A	29-Oct-96	Y	2
Y		2037	CS137	Cesium 137	INVCHD	Inventory of Contact Handled Design	32683A	29-Oct-96	Y	2
Y		2038	PM147	Promethium 147	INVCHD	Inventory of Contact Handled Design	33233A	29-Oct-96	Y	2
Y		2038	PM147	Promethium 147	INVCHD	Inventory of Contact Handled Design	33233A	29-Oct-96	Y	2
Y		2038	PM147	Promethium 147	INVCHD	Inventory of Contact Handled Design	33233A	29-Oct-96	Y	2
Y		2039	SR90	Strontium 90	INVCHD	Inventory of Contact Handled Design	34354A	29-Oct-96	Y	2
Y		2039	SR90	Strontium 90	INVCHD	Inventory of Contact Handled Design	34354A	29-Oct-96	Y	2
Y		2039	SR90	Strontium 90	INVCHD	Inventory of Contact Handled Design	34354A	29-Oct-96	Y	2
Y		2039	SR90	Strontium 90	INVCHD	Inventory of Contact Handled Design	34354A	29-Oct-96	Y	2
Y		2040	WAS_AREA	Waste emplacement area and waste	DIRONCHW	Average density of iron-based material in CH waste	32468	13-Feb-96	Y	2
Y		2040	WAS_AREA	Waste emplacement area and waste	DIRONCHW	Average density of iron-based material in CH waste	32468	13-Feb-96	Y	2
Y		2041	WAS_AREA	Waste emplacement area and waste	DCCELLCHW	Average density of cellulose in CH waste	32464	13-Feb-96	Y	2
Y		2041	WAS_AREA	Waste emplacement area and waste	DCCELLCHW	Average density of cellulose in CH waste	32464	13-Feb-96	Y	2
Y		2042	WAS_AREA	Waste emplacement area and waste	DRUBBCHW	Average density of rubber in CH waste	32481	13-Feb-96	Y	2
Y		2042	WAS_AREA	Waste emplacement area and waste	DRUBBCHW	Average density of rubber in CH waste	32481	13-Feb-96	Y	2
Y		2043	WAS_AREA	Waste emplacement area and waste	DPLASCHW	Average density of plastics in CH waste	32474	13-Feb-96	Y	2
Y		2043	WAS_AREA	Waste emplacement area and waste	DPLASCHW	Average density of plastics in CH waste	32474	13-Feb-96	-Y	2
Y		2044	WAS_AREA	Waste emplacement area and waste	DIRONRHW	Average density of iron-based material in RH waste	32469	13-Feb-96	Y	2
Y		2044	WAS_AREA	Waste emplacement area and waste	DIRONRHW	Average density of iron-based material in RH waste	32469	13-Feb-96	Y	2
Y		2046	WAS_AREA	Waste emplacement area and waste	DRUBBRHW	Average density of rubber in RH waste	32483	13-Feb-96	Y	2
Y		2046	WAS_AREA	Waste emplacement area and waste	DRUBBRHW	Average density of rubber in RH waste	32483	13-Feb-96	Y	2
Y		2049	CAVITY_3	Cavity for Shaft	CAP_MOD	Model number, capillary pressure model	31767	17-Feb-96	Y	4B
Y		2049	CAVITY_3	Cavity for Shaft	CAP_MOD	Model number, capillary pressure model	31767	17-Feb-96	Y	4B
Y		2049	CAVITY_3	Cavity for Shaft	CAP_MOD	Model number, capillary pressure model	31767	17-Feb-96	Y	4B
Y		2051	CAVITY_3	Cavity for Shaft	COMP_RCK	Bulk Compressibility	31769	17-Feb-96	Y	4B
Y		2051	CAVITY_3	Cavity for Shaft	COMP_RCK	Bulk Compressibility	31769	17-Feb-96	Y	4B
Y		2051	CAVITY_3	Cavity for Shaft	COMP_RCK	Bulk Compressibility	31769	17-Feb-96	Y	4B
Y		2052	CAVITY_3	Cavity for Shaft	PORE_DIS	Brooks-Corey pore distribution parameter	31777	17-Feb-96	Y	4B
Y		2052	CAVITY_3	Cavity for Shaft	PORE_DIS	Brooks-Corey pore distribution parameter	31777	17-Feb-96	Y	4B

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
1992	2	CONSTANT	1.3900000E+02	1.3900000E+02	1.3900000E+02	1.3900000E+02	kg/m ³	WPO36048	Y	N/A
1993	2	CONSTANT	2.5910000E+03	2.5910000E+03	2.5910000E+03	2.5910000E+03	kg/m ³	WPO32328	Y	N/A
1993	2	CONSTANT	2.5910000E+03	2.5910000E+03	2.5910000E+03	2.5910000E+03	kg/m ³	WPO36048	Y	N/A
1993	2	CONSTANT	2.5910000E+03	2.5910000E+03	2.5910000E+03	2.5910000E+03	kg/m ³	WPO38449	Y	N/A
1995	2	CONSTANT	2.6000000E+01	2.6000000E+01	2.6000000E+01	2.6000000E+01	kg/m ³	WPO32328	Y	N/A
1995	2	CONSTANT	2.6000000E+01	2.6000000E+01	2.6000000E+01	2.6000000E+01	kg/m ³	WPO36048	Y	N/A
2037	2	CONSTANT	3.3500000E+03	3.3500000E+03	3.3500000E+03	3.3500000E+03	Ci	WPO37061	Y	N/A
2037	2	CONSTANT	3.3500000E+03	3.3500000E+03	3.3500000E+03	3.3500000E+03	Ci	WPO39260	Y	N/A
2037	2	CONSTANT	3.3500000E+03	3.3500000E+03	3.3500000E+03	3.3500000E+03	Ci	WPO41559	Y	N/A
2037	2	CONSTANT	3.3500000E+03	3.3500000E+03	3.3500000E+03	3.3500000E+03	Ci	WPO41560	Y	N/A
2038	2	CONSTANT	3.4300000E-04	3.4300000E-04	3.4300000E-04	3.4300000E-04	Ci	WPO37061	Y	N/A
2038	2	CONSTANT	3.4300000E-04	3.4300000E-04	3.4300000E-04	3.4300000E-04	Ci	WPO41559	Y	N/A
2038	2	CONSTANT	3.4300000E-04	3.4300000E-04	3.4300000E-04	3.4300000E-04	Ci	WPO41560	Y	N/A
2039	2	CONSTANT	2.7700000E+03	2.7700000E+03	2.7700000E+03	2.7700000E+03	Ci	WPO37061	Y	N/A
2039	2	CONSTANT	2.7700000E+03	2.7700000E+03	2.7700000E+03	2.7700000E+03	Ci	WPO39260	Y	N/A
2039	2	CONSTANT	2.7700000E+03	2.7700000E+03	2.7700000E+03	2.7700000E+03	Ci	WPO41559	Y	N/A
2039	2	CONSTANT	2.7700000E+03	2.7700000E+03	2.7700000E+03	2.7700000E+03	Ci	WPO41560	Y	N/A
2040	2	CONSTANT	1.7000000E+02	1.7000000E+02	1.7000000E+02	1.7000000E+02	kg/m ³	WPO32328	Y	N/A
2040	2	CONSTANT	1.7000000E+02	1.7000000E+02	1.7000000E+02	1.7000000E+02	kg/m ³	WPO36048	Y	N/A
2041	2	CONSTANT	5.4000000E+01	5.4000000E+01	5.4000000E+01	5.4000000E+01	kg/m ³	WPO32328	Y	N/A
2041	2	CONSTANT	5.4000000E+01	5.4000000E+01	5.4000000E+01	5.4000000E+01	kg/m ³	WPO36048	Y	N/A
2042	2	CONSTANT	1.0000000E+01	1.0000000E+01	1.0000000E+01	1.0000000E+01	kg/m ³	WPO32328	Y	N/A
2042	2	CONSTANT	1.0000000E+01	1.0000000E+01	1.0000000E+01	1.0000000E+01	kg/m ³	WPO36048	Y	N/A
2043	2	CONSTANT	3.4000000E+01	3.4000000E+01	3.4000000E+01	3.4000000E+01	kg/m ³	WPO32328	Y	N/A
2043	2	CONSTANT	3.4000000E+01	3.4000000E+01	3.4000000E+01	3.4000000E+01	kg/m ³	WPO36048	- Y	N/A
2044	2	CONSTANT	1.0000000E+02	1.0000000E+02	1.0000000E+02	1.0000000E+02	kg/m ³	WPO32328	Y	N/A
2044	2	CONSTANT	1.0000000E+02	1.0000000E+02	1.0000000E+02	1.0000000E+02	kg/m ³	WPO36048	Y	N/A
2046	2	CONSTANT	3.3000000E+00	3.3000000E+00	3.3000000E+00	3.3000000E+00	kg/m ³	WPO32328	Y	N/A
2046	2	CONSTANT	3.3000000E+00	3.3000000E+00	3.3000000E+00	3.3000000E+00	kg/m ³	WPO36048	Y	N/A
2049	1,3	CONSTANT	1.0000000E+00	1.0000000E+00	1.0000000E+00	1.0000000E+00	NONE	MEMO:VAUGHN/ TIERNEY-9	Y	N/A
2049	1,3	CONSTANT	1.0000000E+00	1.0000000E+00	1.0000000E+00	1.0000000E+00	NONE	WPO35597	Y	N/A
2049	1,3	CONSTANT	1.0000000E+00	1.0000000E+00	1.0000000E+00	1.0000000E+00	NONE	WPO40514	Y	N/A
2051	1,3	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0.0000000E+00	Pa ⁻¹	MEMO:VAUGHN/ TIERNEY-9	Y	N/A
2051	1,3	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0.0000000E+00	Pa ⁻¹	WPO35597	Y	N/A
2051	1,3	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0.0000000E+00	Pa ⁻¹	WPO40514	Y	N/A
2052	1,3	CONSTANT	7.0000000E-01	7.0000000E-01	7.0000000E-01	7.0000000E-01	NONE	MEMO:VAUGHN/ TIERNEY-9	Y	N/A
2052	1,3	CONSTANT	7.0000000E-01	7.0000000E-01	7.0000000E-01	7.0000000E-01	NONE	WPO35597	Y	N/A

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 454 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		2052	CAVITY_3	Cavity for Shaft	PORE_DIS	Brooks-Corey pore distribution parameter	31777	17-Feb-96	Y	4B
Y		2053	CAVITY_3	Cavity for Shaft	POROSITY	Effective porosity	31778	17-Feb-96	Y	4B
Y		2053	CAVITY_3	Cavity for Shaft	POROSITY	Effective porosity	31778	17-Feb-96	Y	4B
Y		2053	CAVITY_3	Cavity for Shaft	POROSITY	Effective porosity	31778	17-Feb-96	Y	4B
Y		2054	CAVITY_3	Cavity for Shaft	PRMX_LOG	Log of intrinsic permeability, X-direction	31781	20-Feb-96	Y	4B
Y		2054	CAVITY_3	Cavity for Shaft	PRMX_LOG	Log of intrinsic permeability, X-direction	31781	20-Feb-96	Y	4B
Y		2054	CAVITY_3	Cavity for Shaft	PRMX_LOG	Log of intrinsic permeability, X-direction	31781	20-Feb-96	Y	4B
Y		2055	CAVITY_3	Cavity for Shaft	PRMY_LOG	Log of intrinsic permeability, Y-direction	31782	20-Feb-96	Y	4B
Y		2055	CAVITY_3	Cavity for Shaft	PRMY_LOG	Log of intrinsic permeability, Y-direction	31782	20-Feb-96	Y	4B
Y		2055	CAVITY_3	Cavity for Shaft	PRMY_LOG	Log of intrinsic permeability, Y-direction	31782	20-Feb-96	Y	4B
Y		2056	CAVITY_3	Cavity for Shaft	PRMZ_LOG	Log of intrinsic permeability, Z-direction	31783	20-Feb-96	Y	4B
Y		2056	CAVITY_3	Cavity for Shaft	PRMZ_LOG	Log of intrinsic permeability, Z-direction	31783	20-Feb-96	Y	4B
Y		2056	CAVITY_3	Cavity for Shaft	PRMZ_LOG	Log of intrinsic permeability, Z-direction	31783	20-Feb-96	Y	4B
Y		2058	CAVITY_3	Cavity for Shaft	RELP_MOD	Model number, relative permeability model	31785	17-Feb-96	Y	4B
Y		2058	CAVITY_3	Cavity for Shaft	RELP_MOD	Model number, relative permeability model	31785	17-Feb-96	Y	4B
Y		2058	CAVITY_3	Cavity for Shaft	RELP_MOD	Model number, relative permeability model	31785	17-Feb-96	Y	4B
Y		2059	CAVITY_3	Cavity for Shaft	SAT_RGAS	Residual Gas Saturation	31789	17-Feb-96	Y	4B
Y		2059	CAVITY_3	Cavity for Shaft	SAT_RGAS	Residual Gas Saturation	31789	17-Feb-96	Y	4B
Y		2059	CAVITY_3	Cavity for Shaft	SAT_RGAS	Residual Gas Saturation	31789	17-Feb-96	Y	4B
Y		2060	CAVITY_4	Cavity for Borehole	CAP_MOD	Model number, capillary pressure model	31791	17-Feb-96	Y	4B
Y		2060	CAVITY_4	Cavity for Borehole	CAP_MOD	Model number, capillary pressure model	31791	17-Feb-96	Y	4B
Y		2060	CAVITY_4	Cavity for Borehole	CAP_MOD	Model number, capillary pressure model	31791	17-Feb-96	Y	4B
Y		2062	CAVITY_4	Cavity for Borehole	COMP_RCK	Bulk Compressibility	31794	17-Feb-96	Y	4B
Y		2062	CAVITY_4	Cavity for Borehole	COMP_RCK	Bulk Compressibility	31794	17-Feb-96	Y	4B
Y		2062	CAVITY_4	Cavity for Borehole	COMP_RCK	Bulk Compressibility	31794	17-Feb-96	Y	4B
Y		2063	CAVITY_4	Cavity for Borehole	PORE_DIS	Brooks-Corey pore distribution parameter	31801	17-Feb-96	Y	4B
Y		2063	CAVITY_4	Cavity for Borehole	PORE_DIS	Brooks-Corey pore distribution parameter	31801	17-Feb-96	Y	4B
Y		2063	CAVITY_4	Cavity for Borehole	PORE_DIS	Brooks-Corey pore distribution parameter	31801	17-Feb-96	Y	4B
Y		2064	CAVITY_4	Cavity for Borehole	POROSITY	Effective porosity	31802	17-Feb-96	Y	4B
Y		2064	CAVITY_4	Cavity for Borehole	POROSITY	Effective porosity	31802	17-Feb-96	Y	4B
Y		2064	CAVITY_4	Cavity for Borehole	POROSITY	Effective porosity	31802	17-Feb-96	Y	4B
Y		2065	CAVITY_4	Cavity for Borehole	PRMX_LOG	Log of intrinsic permeability, X-direction	31817	20-Feb-96	Y	4B
Y		2065	CAVITY_4	Cavity for Borehole	PRMX_LOG	Log of intrinsic permeability, X-direction	31817	20-Feb-96	Y	4B
Y		2065	CAVITY_4	Cavity for Borehole	PRMX_LOG	Log of intrinsic permeability, X-direction	31817	20-Feb-96	Y	4B
Y		2066	CAVITY_4	Cavity for Borehole	PRMY_LOG	Log of intrinsic permeability, Y-direction	31818	20-Feb-96	Y	4B
Y		2066	CAVITY_4	Cavity for Borehole	PRMY_LOG	Log of intrinsic permeability, Y-direction	31818	20-Feb-96	Y	4B
Y		2066	CAVITY_4	Cavity for Borehole	PRMY_LOG	Log of intrinsic permeability, Y-direction	31818	20-Feb-96	Y	4B
Y		2067	CAVITY_4	Cavity for Borehole	PRMZ_LOG	Log of intrinsic permeability, Z-direction	31819	20-Feb-96	Y	4B
Y		2067	CAVITY_4	Cavity for Borehole	PRMZ_LOG	Log of intrinsic permeability, Z-direction	31819	20-Feb-96	Y	4B

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
2052	1,3	CONSTANT	7.000000E-01	7.000000E-01	7.000000E-01	7.000000E-01	NONE	WPO40514	Y	N/A
2053	1,3	CONSTANT	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	NONE	MEMO:VAUGHN/ TIERNEY-9	Y	N/A
2053	1,3	CONSTANT	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	NONE	WPO35597	Y	N/A
2053	1,3	CONSTANT	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	NONE	WPO40514	Y	N/A
2054	1,3	CONSTANT	-1.000000E+01	-1.000000E+01	-1.000000E+01	-1.000000E+01	log(m^2)	MEMO:VAUGHN/ TIERNEY-9	Y	N/A
2054	1,3	CONSTANT	-1.000000E+01	-1.000000E+01	-1.000000E+01	-1.000000E+01	log(m^2)	WPO35597	Y	N/A
2054	1,3	CONSTANT	-1.000000E+01	-1.000000E+01	-1.000000E+01	-1.000000E+01	log(m^2)	WPO40514	Y	N/A
2055	1,3	CONSTANT	-1.000000E+01	-1.000000E+01	-1.000000E+01	-1.000000E+01	log(m^2)	MEMO:VAUGHN/ TIERNEY-9	Y	N/A
2055	1,3	CONSTANT	-1.000000E+01	-1.000000E+01	-1.000000E+01	-1.000000E+01	log(m^2)	WPO35597	Y	N/A
2055	1,3	CONSTANT	-1.000000E+01	-1.000000E+01	-1.000000E+01	-1.000000E+01	log(m^2)	WPO40514	Y	N/A
2056	1,3	CONSTANT	-1.000000E+01	-1.000000E+01	-1.000000E+01	-1.000000E+01	log(m^2)	MEMO:VAUGHN/ TIERNEY-9	Y	N/A
2056	1,3	CONSTANT	-1.000000E+01	-1.000000E+01	-1.000000E+01	-1.000000E+01	log(m^2)	WPO35597	Y	N/A
2056	1,3	CONSTANT	-1.000000E+01	-1.000000E+01	-1.000000E+01	-1.000000E+01	log(m^2)	WPO40514	Y	N/A
2058	1,3	CONSTANT	4.000000E+00	4.000000E+00	4.000000E+00	4.000000E+00	NONE	MEMO:VAUGHN/ TIERNEY-9	Y	N/A
2058	1,3	CONSTANT	4.000000E+00	4.000000E+00	4.000000E+00	4.000000E+00	NONE	WPO35597	Y	N/A
2058	1,3	CONSTANT	4.000000E+00	4.000000E+00	4.000000E+00	4.000000E+00	NONE	WPO40514	Y	N/A
2059	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	MEMO:VAUGHN/ TIERNEY-9	Y	N/A
2059	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35597	Y	N/A
2059	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40514	Y	N/A
2060	1,3	CONSTANT	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	NONE	MEMO:VAUGHN/ TIERNEY-9	Y	N/A
2060	1,3	CONSTANT	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	NONE	WPO35597	Y	N/A
2060	1,3	CONSTANT	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	NONE	WPO40514	Y	N/A
2062	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Pa^-1	MEMO:VAUGHN/ TIERNEY-9	Y	N/A
2062	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Pa^-1	WPO35597	Y	N/A
2062	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Pa^-1	WPO40514	Y	N/A
2063	1,3	CONSTANT	7.000000E-01	7.000000E-01	7.000000E-01	7.000000E-01	NONE	MEMO:VAUGHN/ TIERNEY-9	Y	N/A
2063	1,3	CONSTANT	7.000000E-01	7.000000E-01	7.000000E-01	7.000000E-01	NONE	WPO35597	Y	N/A
2063	1,3	CONSTANT	7.000000E-01	7.000000E-01	7.000000E-01	7.000000E-01	NONE	WPO40514	Y	N/A
2064	1,3	CONSTANT	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	NONE	MEMO:VAUGHN/ TIERNEY-9	Y	N/A
2064	1,3	CONSTANT	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	NONE	WPO35597	Y	N/A
2064	1,3	CONSTANT	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	NONE	WPO40514	Y	N/A
2065	1,3	CONSTANT	-1.000000E+01	-1.000000E+01	-1.000000E+01	-1.000000E+01	log(m^2)	MEMO:VAUGHN/ TIERNEY-9	Y	N/A
2065	1,3	CONSTANT	-1.000000E+01	-1.000000E+01	-1.000000E+01	-1.000000E+01	log(m^2)	WPO35597	Y	N/A
2065	1,3	CONSTANT	-1.000000E+01	-1.000000E+01	-1.000000E+01	-1.000000E+01	log(m^2)	WPO40514	Y	N/A
2066	1,3	CONSTANT	-1.000000E+01	-1.000000E+01	-1.000000E+01	-1.000000E+01	log(m^2)	MEMO:VAUGHN/ TIERNEY-9	Y	N/A
2066	1,3	CONSTANT	-1.000000E+01	-1.000000E+01	-1.000000E+01	-1.000000E+01	log(m^2)	WPO35597	Y	N/A
2066	1,3	CONSTANT	-1.000000E+01	-1.000000E+01	-1.000000E+01	-1.000000E+01	log(m^2)	WPO40514	Y	N/A
2067	1,3	CONSTANT	-1.000000E+01	-1.000000E+01	-1.000000E+01	-1.000000E+01	log(m^2)	MEMO:VAUGHN/ TIERNEY-9	Y	N/A
2067	1,3	CONSTANT	-1.000000E+01	-1.000000E+01	-1.000000E+01	-1.000000E+01	log(m^2)	WPO35597	Y	N/A

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 454 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		2067	CAVITY_4	Cavity for Borehole	PRMZ_LOG	Log of intrinsic permeability, Z-direction	31819	20-Feb-96	Y	4B
Y		2069	CAVITY_4	Cavity for Borehole	REL_P_MOD	Model number, relative permeability model	31821	17-Feb-96	Y	4B
Y		2069	CAVITY_4	Cavity for Borehole	REL_P_MOD	Model number, relative permeability model	31821	17-Feb-96	Y	4B
Y		2069	CAVITY_4	Cavity for Borehole	REL_P_MOD	Model number, relative permeability model	31821	17-Feb-96	Y	4B
Y		2070	CAVITY_4	Cavity for Borehole	SAT_RGAS	Residual Gas Saturation	31824	17-Feb-96	Y	4B
Y		2070	CAVITY_4	Cavity for Borehole	SAT_RGAS	Residual Gas Saturation	31824	17-Feb-96	Y	4B
Y		2070	CAVITY_4	Cavity for Borehole	SAT_RGAS	Residual Gas Saturation	31824	17-Feb-96	Y	4B
Y		2071	CULEBRA	Culebra member of the Rustler formation	THICK	Thickness of feature or layer	32790	01-May-96	Y	1
Y		2085	FORTYNIN	Forty Niner Member	CAP_MOD	Model number, capillary pressure model	32975	01-Nov-95	Y	4B
Y		2085	FORTYNIN	Forty Niner Member	CAP_MOD	Model number, capillary pressure model	32975	01-Nov-95	Y	4B
Y		2087	FORTYNIN	Forty Niner Member	PORE_DIS	Brooks-Corey pore distribution parameter	32991	01-Nov-95	Y	4B
Y		2087	FORTYNIN	Forty Niner Member	PORE_DIS	Brooks-Corey pore distribution parameter	32991	01-Nov-95	Y	4B
Y		2088	FORTYNIN	Forty Niner Member	POROSITY	Effective porosity	32995	20-Feb-96	Y	1
Y		2088	FORTYNIN	Forty Niner Member	POROSITY	Effective porosity	32995	20-Feb-96	Y	1
Y		2088	FORTYNIN	Forty Niner Member	POROSITY	Effective porosity	32995	20-Feb-96	Y	1
Y		2093	FORTYNIN	Forty Niner Member	REL_P_MOD	Model number, relative permeability model	33019	01-Nov-95	Y	4B
Y		2093	FORTYNIN	Forty Niner Member	REL_P_MOD	Model number, relative permeability model	33019	01-Nov-95	Y	4B
Y		2094	FORTYNIN	Forty Niner Member	SAT_RGAS	Residual Gas Saturation	33024	01-Nov-95	Y	4B
Y		2094	FORTYNIN	Forty Niner Member	SAT_RGAS	Residual Gas Saturation	33024	01-Nov-95	Y	4B
Y		2097	MAGENTA	Magenta Member	CAP_MOD	Model number, capillary pressure model	33239	01-Nov-95	Y	4B
Y		2097	MAGENTA	Magenta Member	CAP_MOD	Model number, capillary pressure model	33239	01-Nov-95	Y	4B
Y		2097	MAGENTA	Magenta Member	CAP_MOD	Model number, capillary pressure model	33239	01-Nov-95	Y	4B
Y		2098	MAGENTA	Magenta Member	PC_MAX	Maximum allowable capillary pressure	33263	01-Nov-95	Y	4B
Y		2098	MAGENTA	Magenta Member	PC_MAX	Maximum allowable capillary pressure	33263	01-Nov-95	Y	4B
Y		2098	MAGENTA	Magenta Member	PC_MAX	Maximum allowable capillary pressure	33263	01-Nov-95	Y	4B
Y		2099	MAGENTA	Magenta Member	PORE_DIS	Brooks-Corey pore distribution parameter	32493	22-Feb-96	Y	4B
Y		2099	MAGENTA	Magenta Member	PORE_DIS	Brooks-Corey pore distribution parameter	32493	22-Feb-96	Y	4B
Y		2099	MAGENTA	Magenta Member	PORE_DIS	Brooks-Corey pore distribution parameter	32493	22-Feb-96	Y	4B
Y		2100	MAGENTA	Magenta Member	POROSITY	Effective porosity	32531	06-Feb-96	Y	1
Y		2100	MAGENTA	Magenta Member	POROSITY	Effective porosity	32531	06-Feb-96	Y	1
Y		2100	MAGENTA	Magenta Member	POROSITY	Effective porosity	32531	06-Feb-96	Y	1
Y		2101	MAGENTA	Magenta Member	PRESSURE	Brine far-field pore pressure	32539	08-Feb-96	Y	1
Y		2101	MAGENTA	Magenta Member	PRESSURE	Brine far-field pore pressure	32539	08-Feb-96	Y	1
Y		2101	MAGENTA	Magenta Member	PRESSURE	Brine far-field pore pressure	32539	08-Feb-96	Y	1
Y		2102	MAGENTA	Magenta Member	PRMX_LOG	Log of intrinsic permeability, X-direction	32545	13-Feb-96	Y	1
Y		2102	MAGENTA	Magenta Member	PRMX_LOG	Log of intrinsic permeability, X-direction	32545	13-Feb-96	Y	1
Y		2103	MAGENTA	Magenta Member	PRMY_LOG	Log of intrinsic permeability, Y-direction	32547	13-Feb-96	Y	1
Y		2103	MAGENTA	Magenta Member	PRMY_LOG	Log of intrinsic permeability, Y-direction	32547	13-Feb-96	Y	1
Y		2104	MAGENTA	Magenta Member	PRMZ_LOG	Log of intrinsic permeability, Z-direction	32550	13-Feb-96	Y	1
Y		2104	MAGENTA	Magenta Member	PRMZ_LOG	Log of intrinsic permeability, Z-direction	32550	13-Feb-96	Y	1

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
2067	1,3	CONSTANT	-1.000000E+01	-1.000000E+01	-1.000000E+01	-1.000000E+01	log(m ²)	WPO40514	Y	N/A
2069	1,3	CONSTANT	4.000000E+00	4.000000E+00	4.000000E+00	4.000000E+00	NONE	MEMO:VAUGHN/TIERNEY-9	Y	N/A
2069	1,3	CONSTANT	4.000000E+00	4.000000E+00	4.000000E+00	4.000000E+00	NONE	WPO35597	Y	N/A
2069	1,3	CONSTANT	4.000000E+00	4.000000E+00	4.000000E+00	4.000000E+00	NONE	WPO40514	Y	N/A
2070	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	MEMO:VAUGHN/TIERNEY-9	Y	N/A
2070	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35597	Y	N/A
2070	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40514	Y	N/A
2071	1	CONSTANT	7.750000E+00	7.750000E+00	7.750000E+00	7.750000E+00	m	WPO36455	Y&N	1
2085	1,3	CONSTANT	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	NONE	WPO38568	Y	N/A
2085	1,3	CONSTANT	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	NONE	WPO40514	Y	N/A
2087	1,3	CONSTANT	7.000000E-01	7.000000E-01	7.000000E-01	7.000000E-01	NONE	WPO38568	Y	N/A
2087	1,3	CONSTANT	7.000000E-01	7.000000E-01	7.000000E-01	7.000000E-01	NONE	WPO40514	Y	N/A
2088	1	STUDENT	8.200000E-02	8.200000E-02	0.000000E+00	2.400000E-01	NONE	WPO30608	Y	N/A
2088	1	STUDENT	8.200000E-02	8.200000E-02	0.000000E+00	2.400000E-01	NONE	WPO35597	Y	N/A
2088	1	STUDENT	8.200000E-02	8.200000E-02	0.000000E+00	2.400000E-01	NONE	WPO36380	Y	N/A
2093	1,3	CONSTANT	4.000000E+00	4.000000E+00	4.000000E+00	4.000000E+00	NONE	WPO38568	Y	N/A
2093	1,3	CONSTANT	4.000000E+00	4.000000E+00	4.000000E+00	4.000000E+00	NONE	WPO40514	Y	N/A
2094	1,3	CONSTANT	2.000000E-01	2.000000E-01	2.000000E-01	2.000000E-01	NONE	WPO38568	Y	N/A
2094	1,3	CONSTANT	2.000000E-01	2.000000E-01	2.000000E-01	2.000000E-01	NONE	WPO40514	Y	N/A
2097	1,3,4	CONSTANT	2.000000E+00	2.000000E+00	2.000000E+00	2.000000E+00	NONE	WPO31041	Y	N/A
2097	1,3,4	CONSTANT	2.000000E+00	2.000000E+00	2.000000E+00	2.000000E+00	NONE	WPO35597	Y	N/A
2097	1,3,4	CONSTANT	2.000000E+00	2.000000E+00	2.000000E+00	2.000000E+00	NONE	WPO40514	Y	N/A
2098	1,3	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO31041	Y	N/A
2098	1,3	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO35597	Y	N/A
2098	1,3	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO40514	Y	N/A
2099	1,3,4	CONSTANT	6.436000E-01	6.436000E-01	6.436000E-01	6.436000E-01	NONE	WPO31041	Y	N/A
2099	1,3,4	CONSTANT	6.436000E-01	6.436000E-01	6.436000E-01	6.436000E-01	NONE	WPO35597	Y	N/A
2099	1,3,4	CONSTANT	6.436000E-01	6.436000E-01	6.436000E-01	6.436000E-01	NONE	WPO40514	Y	N/A
2100	1	STUDENT	1.380000E-01	1.380000E-01	2.700000E-02	2.520000E-01	NONE	WPO30608	Y	N/A
2100	1	STUDENT	1.380000E-01	1.380000E-01	2.700000E-02	2.520000E-01	NONE	WPO35597	Y	N/A
2100	1	STUDENT	1.380000E-01	1.380000E-01	2.700000E-02	2.520000E-01	NONE	WPO36380	Y	N/A
2101	1	CONSTANT	9.170000E+05	9.170000E+05	9.170000E+05	9.170000E+05	Pa	WPO30713	N	1
2101	1	CONSTANT	9.170000E+05	9.170000E+05	9.170000E+05	9.170000E+05	Pa	WPO32290	N	1
2101	1	CONSTANT	9.170000E+05	9.170000E+05	9.170000E+05	9.170000E+05	Pa	WPO35597	N	1
2102	1	CONSTANT	-1.520000E+01	-1.520000E+01	-1.520000E+01	-1.520000E+01	log(m ²)	WPO30607	N	1
2102	1	CONSTANT	-1.520000E+01	-1.520000E+01	-1.520000E+01	-1.520000E+01	log(m ²)	WPO35597	N	1
2103	1	CONSTANT	-1.520000E+01	-1.520000E+01	-1.520000E+01	-1.520000E+01	log(m ²)	WPO30607	N	1
2103	1	CONSTANT	-1.520000E+01	-1.520000E+01	-1.520000E+01	-1.520000E+01	log(m ²)	WPO35597	N	1
2104	1	CONSTANT	-1.520000E+01	-1.520000E+01	-1.520000E+01	-1.520000E+01	log(m ²)	WPO30607	N	1
2104	1	CONSTANT	-1.520000E+01	-1.520000E+01	-1.520000E+01	-1.520000E+01	log(m ²)	WPO35597	N	1

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 464 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		2106	MAGENTA	Magenta Member	RELP_MOD	Model number, relative permeability model	32557	01-Nov-95	Y	4A
Y		2107	MAGENTA	Magenta Member	SAT_RGAS	Residual Gas Saturation	32562	20-Feb-96	Y	4B
Y		2107	MAGENTA	Magenta Member	SAT_RGAS	Residual Gas Saturation	32562	20-Feb-96	Y	4B
Y		2107	MAGENTA	Magenta Member	SAT_RGAS	Residual Gas Saturation	32562	20-Feb-96	Y	4B
Y		2110	REPOSIT	Repository regions outside of Panel region	CAP_MOD	Model number, capillary pressure model	33285	08-Feb-96	Y	4B
Y		2110	REPOSIT	Repository regions outside of Panel region	CAP_MOD	Model number, capillary pressure model	33285	08-Feb-96	Y	4B
Y		2110	REPOSIT	Repository regions outside of Panel region	CAP_MOD	Model number, capillary pressure model	33285	08-Feb-96	Y	4B
Y		2112	REPOSIT	Repository regions outside of Panel region	COMP_RCK	Bulk Compressibility	33290	08-Feb-96	Y	4B
Y		2112	REPOSIT	Repository regions outside of Panel region	COMP_RCK	Bulk Compressibility	33290	08-Feb-96	Y	4B
Y		2112	REPOSIT	Repository regions outside of Panel region	COMP_RCK	Bulk Compressibility	33290	08-Feb-96	Y	4B
Y		2113	REPOSIT	Repository regions outside of Panel region	DCELLCHW	Average density of cellulose in CH waste	33298	13-Feb-96	Y	2
Y		2114	REPOSIT	Repository regions outside of Panel region	DCELLRHW	Average density of cellulose in RH waste	32436	13-Feb-96	Y	2
Y		2114	REPOSIT	Repository regions outside of Panel region	DCELLRHW	Average density of cellulose in RH waste	32436	13-Feb-96	Y	2
Y		2115	REPOSIT	Repository regions outside of Panel region	DIRNCCHW	Bulk density of iron containers, CH waste	32439	13-Feb-96	Y	2
Y		2115	REPOSIT	Repository regions outside of Panel region	DIRNCCHW	Bulk density of iron containers, CH waste	32439	13-Feb-96	Y	2
Y		2116	REPOSIT	Repository regions outside of Panel region	DIRNCRHW	Bulk density of iron containers, RH waste	32440	13-Feb-96	Y	2
Y		2116	REPOSIT	Repository regions outside of Panel region	DIRNCRHW	Bulk density of iron containers, RH waste	32440	13-Feb-96	Y	2
Y		2116	REPOSIT	Repository regions outside of Panel region	DIRNCRHW	Bulk density of iron containers, RH waste	32440	13-Feb-96	Y	2
Y		2117	REPOSIT	Repository regions outside of Panel region	DIRONCHW	Average density of iron-based material in CH waste	32442	13-Feb-96	Y	2
Y		2117	REPOSIT	Repository regions outside of Panel region	DIRONCHW	Average density of iron-based material in CH waste	32442	13-Feb-96	Y	2
Y		2118	REPOSIT	Repository regions outside of Panel region	DIRONRHW	Average density of iron-based material in RH waste	32443	13-Feb-96	Y	2
Y		2118	REPOSIT	Repository regions outside of Panel region	DIRONRHW	Average density of iron-based material in RH waste	32443	13-Feb-96	Y	2
Y		2119	REPOSIT	Repository regions outside of Panel region	DPLASCHW	Average density of plastics in CH waste	32444	13-Feb-96	Y	2
Y		2119	REPOSIT	Repository regions outside of Panel region	DPLASCHW	Average density of plastics in CH waste	32444	13-Feb-96	Y	2
Y		2120	REPOSIT	Repository regions outside of Panel region	DPLASRHW	Average density of plastics in CH waste	32446	13-Feb-96	Y	2
Y		2120	REPOSIT	Repository regions outside of Panel region	DPLASRHW	Average density of plastics in CH waste	32446	13-Feb-96	Y	2

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
2106	1,3,4	CONSTANT	4.000000E+00	4.000000E+00	4.000000E+00	4.000000E+00	NONE	WPO31041	Y	N/A
2107	1,3,4	CONSTANT	7.711000E-02	7.711000E-02	7.711000E-02	7.711000E-02	NONE	WPO31041	Y	N/A
2107	1,3,4	CONSTANT	7.711000E-02	7.711000E-02	7.711000E-02	7.711000E-02	NONE	WPO35597	Y	N/A
2107	1,3,4	CONSTANT	7.711000E-02	7.711000E-02	7.711000E-02	7.711000E-02	NONE	WPO40514	Y	N/A
2110	3,5	CONSTANT	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	NONE	WPO35597	Y	N/A
2110	3,5	CONSTANT	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	NONE	WPO40514	Y	N/A
2110	3,5	CONSTANT	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	NONE	WPO42681	Y	N/A
2112	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Pa^-1	WPO35597	Y	N/A
2112	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Pa^-1	WPO40514	Y	N/A
2112	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Pa^-1	WPO42681	Y	N/A
2113	2	CONSTANT	5.400000E+01	5.400000E+01	5.400000E+01	5.400000E+01	kg/m^3	WPO32328	Y	N/A
2114	2	CONSTANT	1.700000E+01	1.700000E+01	1.700000E+01	1.700000E+01	kg/m^3	WPO32328	Y	N/A
2114	2	CONSTANT	1.700000E+01	1.700000E+01	1.700000E+01	1.700000E+01	kg/m^3	WPO36048	Y	N/A
2115	2	CONSTANT	1.390000E+02	1.390000E+02	1.390000E+02	1.390000E+02	kg/m^3	WPO32328	Y	N/A
2115	2	CONSTANT	1.390000E+02	1.390000E+02	1.390000E+02	1.390000E+02	kg/m^3	WPO36048	Y	N/A
2116	2	CONSTANT	2.591000E+03	2.591000E+03	2.591000E+03	2.591000E+03	kg/m^3	WPO32328	Y	N/A
2116	2	CONSTANT	2.591000E+03	2.591000E+03	2.591000E+03	2.591000E+03	kg/m^3	WPO36048	Y	N/A
2116	2	CONSTANT	2.591000E+03	2.591000E+03	2.591000E+03	2.591000E+03	kg/m^3	WPO38449	Y	N/A
2117	2	CONSTANT	1.700000E+02	1.700000E+02	1.700000E+02	1.700000E+02	kg/m^3	WPO32328	Y	N/A
2117	2	CONSTANT	1.700000E+02	1.700000E+02	1.700000E+02	1.700000E+02	kg/m^3	WPO36048	Y	N/A
2118	2	CONSTANT	1.000000E+02	1.000000E+02	1.000000E+02	1.000000E+02	kg/m^3	WPO32328	Y	N/A
2118	2	CONSTANT	1.000000E+02	1.000000E+02	1.000000E+02	1.000000E+02	kg/m^3	WPO36048	Y	N/A
2119	2	CONSTANT	3.400000E+01	3.400000E+01	3.400000E+01	3.400000E+01	kg/m^3	WPO32328	Y	N/A
2119	2	CONSTANT	3.400000E+01	3.400000E+01	3.400000E+01	3.400000E+01	kg/m^3	WPO36048	Y	N/A
2120	2	CONSTANT	1.500000E+01	1.500000E+01	1.500000E+01	1.500000E+01	kg/m^3	WPO32328	Y	N/A
2120	2	CONSTANT	1.500000E+01	1.500000E+01	1.500000E+01	1.500000E+01	kg/m^3	WPO36048	Y	N/A

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Date Entry Date	Is the 464 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		2121	REPOSIT	Repository regions outside of Panel region	DPLSCCHW	Bulk density of plastic liners, CH waste	32447	13-Feb-96	Y	2
Y		2121	REPOSIT	Repository regions outside of Panel region	DPLSCCHW	Bulk density of plastic liners, CH waste	32447	13-Feb-96	Y	2
Y		2122	REPOSIT	Repository regions outside of Panel region	DRUBBCHW	Average density of rubber in CH waste	32450	13-Feb-96	Y	2
Y		2122	REPOSIT	Repository regions outside of Panel region	DRUBBCHW	Average density of rubber in CH waste	32450	13-Feb-96	Y	2
Y		2123	REPOSIT	Repository regions outside of Panel region	DRUBBRHW	Average density of rubber in RH waste	32451	13-Feb-96	Y	2
Y		2123	REPOSIT	Repository regions outside of Panel region	DRUBBRHW	Average density of rubber in RH waste	32451	13-Feb-96	Y	2
Y		2127	REPOSIT	Repository regions outside of Panel region	GRATMICH	Gas Production Rate, Microbial, Humid Conditions Relative to Inundated Rate	33234	08-Feb-96	Y	1
Y		2127	REPOSIT	Repository regions outside of Panel region	GRATMICH	Gas Production Rate, Microbial, Humid Conditions Relative to Inundated Rate	33234	08-Feb-96	Y	1
Y		2127	REPOSIT	Repository regions outside of Panel region	GRATMICH	Gas Production Rate, Microbial, Humid Conditions Relative to Inundated Rate	33234	08-Feb-96	Y	1
Y		2128	REPOSIT	Repository regions outside of Panel region	GRATMICI	Gas production rate, microbial, inundated conditions	33235	08-Feb-96	Y	1
Y		2128	REPOSIT	Repository regions outside of Panel region	GRATMICI	Gas production rate, microbial, inundated conditions	33235	08-Feb-96	Y	1
Y		2128	REPOSIT	Repository regions outside of Panel region	GRATMICI	Gas production rate, microbial, inundated conditions	33235	08-Feb-96	Y	1
Y		2129	REPOSIT	Repository regions outside of Panel region	PORE_DIS	Brooks-Corey pore distribution parameter	33248	21-Feb-96	Y	4B
Y		2129	REPOSIT	Repository regions outside of Panel region	PORE_DIS	Brooks-Corey pore distribution parameter	33248	21-Feb-96	Y	4B
Y		2129	REPOSIT	Repository regions outside of Panel region	PORE_DIS	Brooks-Corey pore distribution parameter	33248	21-Feb-96	Y	4B
Y		2129	REPOSIT	Repository regions outside of Panel region	PORE_DIS	Brooks-Corey pore distribution parameter	33248	21-Feb-96	Y	4B
Y		2130	REPOSIT	Repository regions outside of Panel region	POROSITY	Effective porosity	33250	08-Feb-96	Y	4B
Y		2130	REPOSIT	Repository regions outside of Panel region	POROSITY	Effective porosity	33250	08-Feb-96	Y	4B
Y		2130	REPOSIT	Repository regions outside of Panel region	POROSITY	Effective porosity	33250	08-Feb-96	Y	4B
Y		2131	REPOSIT	Repository regions outside of Panel region	PRMX_LOG	Log of intrinsic permeability, X-direction	33255	08-Feb-96	Y	4A
Y		2131	REPOSIT	Repository regions outside of Panel region	PRMX_LOG	Log of intrinsic permeability, X-direction	33255	08-Feb-96	Y	4A
Y		2131	REPOSIT	Repository regions outside of Panel region	PRMX_LOG	Log of intrinsic permeability, X-direction	33255	08-Feb-96	Y	4A
Y		2132	REPOSIT	Repository regions outside of Panel region	PRMY_LOG	Log of intrinsic permeability, Y-direction	33258	08-Feb-96	Y	4A
Y		2132	REPOSIT	Repository regions outside of Panel region	PRMY_LOG	Log of intrinsic permeability, Y-direction	33258	08-Feb-96	Y	4A

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
2121	2	CONSTANT	2.600000E+01	2.600000E+01	2.600000E+01	2.600000E+01	kg/m ³	WPO32328	Y	N/A
2121	2	CONSTANT	2.600000E+01	2.600000E+01	2.600000E+01	2.600000E+01	kg/m ³	WPO36048	Y	N/A
2122	2	CONSTANT	1.000000E+01	1.000000E+01	1.000000E+01	1.000000E+01	kg/m ³	WPO32328	Y	N/A
2122	2	CONSTANT	1.000000E+01	1.000000E+01	1.000000E+01	1.000000E+01	kg/m ³	WPO36048	Y	N/A
2123	2	CONSTANT	3.300000E+00	3.300000E+00	3.300000E+00	3.300000E+00	kg/m ³	WPO32328	Y	N/A
2123	2	CONSTANT	3.300000E+00	3.300000E+00	3.300000E+00	3.300000E+00	kg/m ³	WPO36048	Y	N/A
2127	1	UNIFORM	6.342000E-10	6.342000E-10	0.000000E+00	1.268400E-09	mol/kg*s	WPO30819	Y&N	4
2127	1	UNIFORM	6.342000E-10	6.342000E-10	0.000000E+00	1.268400E-09	mol/kg*s	WPO35268	Y&N	4
2127	1	UNIFORM	6.342000E-10	6.342000E-10	0.000000E+00	1.268400E-09	mol/kg*s	WPO35597	Y&N	4
2128	1	UNIFORM	4.915000E-09	4.915000E-09	3.171000E-10	9.512900E-09	mol/kg*s	WPO30819	Y&N	4
2128	1	UNIFORM	4.915000E-09	4.915000E-09	3.171000E-10	9.512900E-09	mol/kg*s	WPO35268	Y&N	4
2128	1	UNIFORM	4.915000E-09	4.915000E-09	3.171000E-10	9.512900E-09	mol/kg*s	WPO35597	Y&N	4
2129	1,3,4	CUMULATIVE	3.250000E+00	2.890000E+00	1.440000E+00	5.780000E+00	NONE	WPO30921	Y	N/A
2129	1,3,4	CUMULATIVE	3.250000E+00	2.890000E+00	1.440000E+00	5.780000E+00	NONE	WPO35268	Y	N/A
2129	1,3,4	CUMULATIVE	3.250000E+00	2.890000E+00	1.440000E+00	5.780000E+00	NONE	WPO35597	Y	N/A
2129	1,3,4	CUMULATIVE	3.250000E+00	2.890000E+00	1.440000E+00	5.780000E+00	NONE	WPO40514	Y	N/A
2130	1,3	CONSTANT	8.480000E-01	8.480000E-01	8.480000E-01	8.480000E-01	NONE	WPO35597	Y	N/A
2130	1,3	CONSTANT	8.480000E-01	8.480000E-01	8.480000E-01	8.480000E-01	NONE	WPO40514	Y	N/A
2130	1,3	CONSTANT	8.480000E-01	8.480000E-01	8.480000E-01	8.480000E-01	NONE	WPO42681	Y	N/A
2131	1,3	CONSTANT	-1.276900E+01	-1.276900E+01	-1.276900E+01	-1.276900E+01	log(m ²)	WPO30921	Y	N/A
2131	1,3	CONSTANT	-1.276900E+01	-1.276900E+01	-1.276900E+01	-1.276900E+01	log(m ²)	WPO35597	Y	N/A
2131	1,3	CONSTANT	-1.276900E+01	-1.276900E+01	-1.276900E+01	-1.276900E+01	log(m ²)	WPO42681	Y	N/A
2132	1,3	CONSTANT	-1.276900E+01	-1.276900E+01	-1.276900E+01	-1.276900E+01	log(m ²)	WPO30921	Y	N/A
2132	1,3	CONSTANT	-1.276900E+01	-1.276900E+01	-1.276900E+01	-1.276900E+01	log(m ²)	WPO35597	Y	N/A

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 454 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		2132	REPOSIT	Repository regions outside of Panel region	PRMY_LOG	Log of intrinsic permeability, Y-direction	33258	08-Feb-96	Y	4A
Y		2133	REPOSIT	Repository regions outside of Panel region	PRMZ_LOG	Log of intrinsic permeability, Z-direction	33259	08-Feb-96	Y	4A
Y		2133	REPOSIT	Repository regions outside of Panel region	PRMZ_LOG	Log of intrinsic permeability, Z-direction	33259	08-Feb-96	Y	4A
Y		2133	REPOSIT	Repository regions outside of Panel region	PRMZ_LOG	Log of intrinsic permeability, Z-direction	33259	08-Feb-96	Y	4A
Y		2135	REPOSIT	Repository regions outside of Panel region	RELP_MOD	Model number, relative permeability model	33275	08-Feb-96	Y	4B
Y		2135	REPOSIT	Repository regions outside of Panel region	RELP_MOD	Model number, relative permeability model	33275	08-Feb-96	Y	4B
Y		2135	REPOSIT	Repository regions outside of Panel region	RELP_MOD	Model number, relative permeability model	33275	08-Feb-96	Y	4B
Y		2137	REPOSIT	Repository regions outside of Panel region	SAT_RGAS	Residual Gas Saturation	33286	22-Feb-96	Y	4B
Y		2137	REPOSIT	Repository regions outside of Panel region	SAT_RGAS	Residual Gas Saturation	33286	22-Feb-96	Y	4B
Y		2137	REPOSIT	Repository regions outside of Panel region	SAT_RGAS	Residual Gas Saturation	33286	22-Feb-96	Y	4B
Y		2137	REPOSIT	Repository regions outside of Panel region	SAT_RGAS	Residual Gas Saturation	33286	22-Feb-96	Y	4B
Y		2141	REPOSIT	Repository regions outside of Panel region	VOLCHW	BIR total volume of CH waste	32452	13-Feb-96	Y	2
Y		2141	REPOSIT	Repository regions outside of Panel region	VOLCHW	BIR total volume of CH waste	32452	13-Feb-96	Y	2
Y		2142	REPOSIT	Repository regions outside of Panel region	VOLRHW	BIR total volume of RH waste	32453	13-Feb-96	Y	2
Y		2142	REPOSIT	Repository regions outside of Panel region	VOLRHW	BIR total volume of RH waste	32453	13-Feb-96	Y	2
Y		2158	S_ANH_AB	Salado anhydrite beds A and B, intact and fractured	DPHIMAX	Incremental increase in porosity relative to intact conditions	34138	22-Feb-96	Y	4B
Y		2158	S_ANH_AB	Salado anhydrite beds A and B, intact and fractured	DPHIMAX	Incremental increase in porosity relative to intact conditions	34138	22-Feb-96	Y	4B
Y		2158	S_ANH_AB	Salado anhydrite beds A and B, intact and fractured	DPHIMAX	Incremental increase in porosity relative to intact conditions	34138	22-Feb-96	Y	4B
Y		2159	S_ANH_AB	Salado anhydrite beds A and B, intact and fractured	KMAXLOG	Log of Maximum Permeability in Altered Anhydrite Flow Model Anhydrites	34163	22-Feb-96	Y	4B
Y		2159	S_ANH_AB	Salado anhydrite beds A and B, intact and fractured	KMAXLOG	Log of Maximum Permeability in Altered Anhydrite Flow Model Anhydrites	34163	22-Feb-96	Y	4B
Y		2159	S_ANH_AB	Salado anhydrite beds A and B, intact and fractured	KMAXLOG	Log of Maximum Permeability in Altered Anhydrite Flow Model Anhydrites	34163	22-Feb-96	Y	4B
Y		2159	S_ANH_AB	Salado anhydrite beds A and B, intact and fractured	KMAXLOG	Log of Maximum Permeability in Altered Anhydrite Flow Model Anhydrites	34163	22-Feb-96	Y	4B
Y		2159	S_ANH_AB	Salado anhydrite beds A and B, intact and fractured	KMAXLOG	Log of Maximum Permeability in Altered Anhydrite Flow Model Anhydrites	34163	22-Feb-96	Y	4B
Y		2169	S_MB138	Salado marker bed 138, intact and fractured	DPHIMAX	Incremental increase in porosity relative to intact conditions	34442	22-Feb-96	Y	4B

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
2132	1,3	CONSTANT	-1.2769000E+01	-1.2769000E+01	-1.2769000E+01	-1.2769000E+01	log(m^2)	WPO42681	Y	N/A
2133	1,3	CONSTANT	-1.2769000E+01	-1.2769000E+01	-1.2769000E+01	-1.2769000E+01	log(m^2)	WPO30921	Y	N/A
2133	1,3	CONSTANT	-1.2769000E+01	-1.2769000E+01	-1.2769000E+01	-1.2769000E+01	log(m^2)	WPO35597	Y	N/A
2133	1,3	CONSTANT	-1.2769000E+01	-1.2769000E+01	-1.2769000E+01	-1.2769000E+01	log(m^2)	WPO42681	Y	N/A
2135	1,3,4	CONSTANT	4.0000000E+00	4.0000000E+00	4.0000000E+00	4.0000000E+00	NONE	WPO35597	Y	N/A
2135	1,3,4	CONSTANT	4.0000000E+00	4.0000000E+00	4.0000000E+00	4.0000000E+00	NONE	WPO40514	Y	N/A
2135	1,3,4	CONSTANT	4.0000000E+00	4.0000000E+00	4.0000000E+00	4.0000000E+00	NONE	WPO42681	Y	N/A
2137	1,3,4	UNIFORM	7.5000000E-02	7.5000000E-02	0.0000000E+00	1.5000000E-01	NONE	WPO35268	Y	N/A
2137	1,3,4	UNIFORM	7.5000000E-02	7.5000000E-02	0.0000000E+00	1.5000000E-01	NONE	WPO35597	Y	N/A
2137	1,3,4	UNIFORM	7.5000000E-02	7.5000000E-02	0.0000000E+00	1.5000000E-01	NONE	WPO40514	Y	N/A
2137	1,3,4	UNIFORM	7.5000000E-02	7.5000000E-02	0.0000000E+00	1.5000000E-01	NONE	WPO42681	Y	N/A
2141	2	CONSTANT	1.6900000E+05	1.6900000E+05	1.6900000E+05	1.6900000E+05	m^3	WPO32328	Y	N/A
2141	2	CONSTANT	1.6900000E+05	1.6900000E+05	1.6900000E+05	1.6900000E+05	m^3	WPO36048	Y	N/A
2142	2	CONSTANT	7.0800000E+03	7.0800000E+03	7.0800000E+03	7.0800000E+03	m^3	WPO32328	Y	N/A
2142	2	CONSTANT	7.0800000E+03	7.0800000E+03	7.0800000E+03	7.0800000E+03	m^3	WPO36048	Y	N/A
2158	1,3	CONSTANT	2.3900000E-01	2.3900000E-01	2.3900000E-01	2.3900000E-01	NONE	WPO35597	Y	N/A
2158	1,3	CONSTANT	2.3900000E-01	2.3900000E-01	2.3900000E-01	2.3900000E-01	NONE	WPO38274	Y	N/A
2158	1,3	CONSTANT	2.3900000E-01	2.3900000E-01	2.3900000E-01	2.3900000E-01	NONE	WPO40514	Y	N/A
2159	1,3	CONSTANT	-9.0000000E+00	-9.0000000E+00	-9.0000000E+00	-9.0000000E+00	log(m^2)	WPO35597	Y	N/A
2159	1,3	CONSTANT	-9.0000000E+00	-9.0000000E+00	-9.0000000E+00	-9.0000000E+00	log(m^2)	WPO36205	Y	N/A
2159	1,3	CONSTANT	-9.0000000E+00	-9.0000000E+00	-9.0000000E+00	-9.0000000E+00	log(m^2)	WPO38274	Y	N/A
2159	1,3	CONSTANT	-9.0000000E+00	-9.0000000E+00	-9.0000000E+00	-9.0000000E+00	log(m^2)	WPO38569	Y	N/A
2159	1,3	CONSTANT	-9.0000000E+00	-9.0000000E+00	-9.0000000E+00	-9.0000000E+00	log(m^2)	WPO40514	Y	N/A
2169	1,3	CONSTANT	3.9000000E-02	3.9000000E-02	3.9000000E-02	3.9000000E-02	NONE	WPO35597	Y	N/A

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 454 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		2169	S_MB138	Salado marker bed 138, intact and fractured	DPHIMAX	Incremental increase in porosity relative to intact conditions	34442	22-Feb-96	Y	4B
Y		2169	S_MB138	Salado marker bed 138, intact and fractured	DPHIMAX	Incremental increase in porosity relative to intact conditions	34442	22-Feb-96	Y	4B
Y		2170	S_MB138	Salado marker bed 138, intact and fractured	KMAXLOG	Log of Maximum Permeability in Altered Anhydrite Flow Model Anhydrites	34476	22-Feb-96	Y	4B
Y		2170	S_MB138	Salado marker bed 138, intact and fractured	KMAXLOG	Log of Maximum Permeability in Altered Anhydrite Flow Model Anhydrites	34476	22-Feb-96	Y	4B
Y		2170	S_MB138	Salado marker bed 138, intact and fractured	KMAXLOG	Log of Maximum Permeability in Altered Anhydrite Flow Model Anhydrites	34476	22-Feb-96	Y	4B
Y		2170	S_MB138	Salado marker bed 138, intact and fractured	KMAXLOG	Log of Maximum Permeability in Altered Anhydrite Flow Model Anhydrites	34476	22-Feb-96	Y	4B
Y		2177	S_MB139	Salado marker bed 139, intact and fractured	DPHIMAX	Incremental increase in porosity relative to intact conditions	34582	22-Feb-96	Y	4B
Y		2177	S_MB139	Salado marker bed 139, intact and fractured	DPHIMAX	Incremental increase in porosity relative to intact conditions	34582	22-Feb-96	Y	4B
Y		2177	S_MB139	Salado marker bed 139, intact and fractured	DPHIMAX	Incremental increase in porosity relative to intact conditions	34582	22-Feb-96	Y	4B
Y		2178	S_MB139	Salado marker bed 139, intact and fractured	KMAXLOG	Log of Maximum Permeability in Altered Anhydrite Flow Model Anhydrites	34823	22-Feb-96	Y	4B
Y		2178	S_MB139	Salado marker bed 139, intact and fractured	KMAXLOG	Log of Maximum Permeability in Altered Anhydrite Flow Model Anhydrites	34823	22-Feb-96	Y	4B
Y		2178	S_MB139	Salado marker bed 139, intact and fractured	KMAXLOG	Log of Maximum Permeability in Altered Anhydrite Flow Model Anhydrites	34823	22-Feb-96	Y	4B
Y		2178	S_MB139	Salado marker bed 139, intact and fractured	KMAXLOG	Log of Maximum Permeability in Altered Anhydrite Flow Model Anhydrites	34823	22-Feb-96	Y	4B
Y		2178	S_MB139	Salado marker bed 139, intact and fractured	KMAXLOG	Log of Maximum Permeability in Altered Anhydrite Flow Model Anhydrites	34823	22-Feb-96	Y	4B
Y		2178	S_MB139	Salado marker bed 139, intact and fractured	KMAXLOG	Log of Maximum Permeability in Altered Anhydrite Flow Model Anhydrites	34823	22-Feb-96	Y	4B
Y		2180	S_MB139	Salado marker bed 139, intact and fractured	PF_DELTA	Incremental pressure for full fracture development	34850	22-Feb-96	Y	4B
Y		2180	S_MB139	Salado marker bed 139, intact and fractured	PF_DELTA	Incremental pressure for full fracture development	34850	22-Feb-96	Y	4B
Y		2180	S_MB139	Salado marker bed 139, intact and fractured	PF_DELTA	Incremental pressure for full fracture development	34850	22-Feb-96	Y	4B
Y		2180	S_MB139	Salado marker bed 139, intact and fractured	PF_DELTA	Incremental pressure for full fracture development	34850	22-Feb-96	Y	4B
Y		2183	TAMARISK	Tamarisk Member	CAP_MOD	Model number, capillary pressure model	34524	01-Nov-95	Y	4B
Y		2183	TAMARISK	Tamarisk Member	CAP_MOD	Model number, capillary pressure model	34524	01-Nov-95	Y	4B
Y		2185	TAMARISK	Tamarisk Member	PORE_DIS	Brooks-Corey pore distribution parameter	34565	01-Nov-95	Y	4B
Y		2185	TAMARISK	Tamarisk Member	PORE_DIS	Brooks-Corey pore distribution parameter	34565	01-Nov-95	Y	4B
Y		2186	TAMARISK	Tamarisk Member	POROSITY	Effective porosity	34568	20-Feb-96	Y	1
Y		2186	TAMARISK	Tamarisk Member	POROSITY	Effective porosity	34568	20-Feb-96	Y	1
Y		2186	TAMARISK	Tamarisk Member	POROSITY	Effective porosity	34568	20-Feb-96	Y	1
Y		2191	TAMARISK	Tamarisk Member	REL_P_MOD	Model number, relative permeability model	34588	01-Nov-95	Y	4B
Y		2191	TAMARISK	Tamarisk Member	REL_P_MOD	Model number, relative permeability model	34588	01-Nov-95	Y	4B
Y		2192	TAMARISK	Tamarisk Member	SAT_RGAS	Residual Gas Saturation	34591	01-Nov-95	Y	4B
Y		2192	TAMARISK	Tamarisk Member	SAT_RGAS	Residual Gas Saturation	34591	01-Nov-95	Y	4B

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
2169	1,3	CONSTANT	3.9000000E-02	3.9000000E-02	3.9000000E-02	3.9000000E-02	NONE	WPO38274	Y	N/A
2169	1,3	CONSTANT	3.9000000E-02	3.9000000E-02	3.9000000E-02	3.9000000E-02	NONE	WPO40514	Y	N/A
2170	1,3	CONSTANT	-9.0000000E+00	-9.0000000E+00	-9.0000000E+00	-9.0000000E+00	log(m^2)	WPO35597	Y	N/A
2170	1,3	CONSTANT	-9.0000000E+00	-9.0000000E+00	-9.0000000E+00	-9.0000000E+00	log(m^2)	WPO38274	Y	N/A
2170	1,3	CONSTANT	-9.0000000E+00	-9.0000000E+00	-9.0000000E+00	-9.0000000E+00	log(m^2)	WPO38569	Y	N/A
2170	1,3	CONSTANT	-9.0000000E+00	-9.0000000E+00	-9.0000000E+00	-9.0000000E+00	log(m^2)	WPO40514	Y	N/A
2177	3,5	CONSTANT	3.9000000E-02	3.9000000E-02	3.9000000E-02	3.9000000E-02	NONE	WPO35597	Y	N/A
2177	3,5	CONSTANT	3.9000000E-02	3.9000000E-02	3.9000000E-02	3.9000000E-02	NONE	WPO38274	Y	N/A
2177	3,5	CONSTANT	3.9000000E-02	3.9000000E-02	3.9000000E-02	3.9000000E-02	NONE	WPO40514	Y	N/A
2178	3,5	CONSTANT	-9.0000000E+00	-9.0000000E+00	-9.0000000E+00	-9.0000000E+00	log(m^2)	WPO35597	Y	N/A
2178	3,5	CONSTANT	-9.0000000E+00	-9.0000000E+00	-9.0000000E+00	-9.0000000E+00	log(m^2)	WPO36205	Y	N/A
2178	3,5	CONSTANT	-9.0000000E+00	-9.0000000E+00	-9.0000000E+00	-9.0000000E+00	log(m^2)	WPO38274	Y	N/A
2178	3,5	CONSTANT	-9.0000000E+00	-9.0000000E+00	-9.0000000E+00	-9.0000000E+00	log(m^2)	WPO38569	Y	N/A
2178	3,5	CONSTANT	-9.0000000E+00	-9.0000000E+00	-9.0000000E+00	-9.0000000E+00	log(m^2)	WPO40514	Y	N/A
2180	3,5	CONSTANT	3.8000000E+06	3.8000000E+06	3.8000000E+06	3.8000000E+06	Pa	WPO35597	Y	N/A
2180	3,5	CONSTANT	3.8000000E+06	3.8000000E+06	3.8000000E+06	3.8000000E+06	Pa	WPO38274	Y	N/A
2180	3,5	CONSTANT	3.8000000E+06	3.8000000E+06	3.8000000E+06	3.8000000E+06	Pa	WPO38569	Y	N/A
2180	3,5	CONSTANT	3.8000000E+06	3.8000000E+06	3.8000000E+06	3.8000000E+06	Pa	WPO40514	Y	N/A
2183	1,3	CONSTANT	1.0000000E+00	1.0000000E+00	1.0000000E+00	1.0000000E+00	NONE	WPO38568	Y	N/A
2183	1,3	CONSTANT	1.0000000E+00	1.0000000E+00	1.0000000E+00	1.0000000E+00	NONE	WPO40514	Y	N/A
2185	1,3	CONSTANT	7.0000000E-01	7.0000000E-01	7.0000000E-01	7.0000000E-01	NONE	WPO38568	Y	N/A
2185	1,3	CONSTANT	7.0000000E-01	7.0000000E-01	7.0000000E-01	7.0000000E-01	NONE	WPO40514	Y	N/A
2186	1	STUDENT	6.4000000E-02	6.4000000E-02	0.0000000E+00	2.1700000E-01	NONE	WPO30608	Y	N/A
2186	1	STUDENT	6.4000000E-02	6.4000000E-02	0.0000000E+00	2.1700000E-01	NONE	WPO35597	Y	N/A
2186	1	STUDENT	6.4000000E-02	6.4000000E-02	0.0000000E+00	2.1700000E-01	NONE	WPO36380	Y	N/A
2191	1,3	CONSTANT	4.0000000E+00	4.0000000E+00	4.0000000E+00	4.0000000E+00	NONE	WPO38568	Y	N/A
2191	1,3	CONSTANT	4.0000000E+00	4.0000000E+00	4.0000000E+00	4.0000000E+00	NONE	WPO40514	Y	N/A
2192	1,3	CONSTANT	2.0000000E-01	2.0000000E-01	2.0000000E-01	2.0000000E-01	NONE	WPO38568	Y	N/A
2192	1,3	CONSTANT	2.0000000E-01	2.0000000E-01	2.0000000E-01	2.0000000E-01	NONE	WPO40514	Y	N/A

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 454 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		2216	U236	Uranium 236	INVCHD	Inventory of Contact Handled Design	34677A	29-Oct-96	Y	2
Y		2216	U236	Uranium 236	INVCHD	Inventory of Contact Handled Design	34677A	29-Oct-96	Y	2
Y		2216	U236	Uranium 236	INVCHD	Inventory of Contact Handled Design	34677A	29-Oct-96	Y	2
Y		2216	U236	Uranium 236	INVCHD	Inventory of Contact Handled Design	34677A	29-Oct-96	Y	2
Y		2217	UNNAMED	Unnamed Lower Member of Rustler Formation	CAP_MOD	Model number, capillary pressure model	34684	01-Nov-95	Y	4B
Y		2217	UNNAMED	Unnamed Lower Member of Rustler Formation	CAP_MOD	Model number, capillary pressure model	34684	01-Nov-95	Y	4B
Y		2218	UNNAMED	Unnamed Lower Member of Rustler Formation	COMP_RCK	Bulk Compressibility	34686	01-Nov-95	Y	4B
Y		2218	UNNAMED	Unnamed Lower Member of Rustler Formation	COMP_RCK	Bulk Compressibility	34686	01-Nov-95	Y	4B
Y		2219	UNNAMED	Unnamed Lower Member of Rustler Formation	PORE_DIS	Brooks-Corey pore distribution parameter	34691	01-Nov-95	Y	4B
Y		2219	UNNAMED	Unnamed Lower Member of Rustler Formation	PORE_DIS	Brooks-Corey pore distribution parameter	34691	01-Nov-95	Y	4B
Y		2220	UNNAMED	Unnamed Lower Member of Rustler Formation	POROSITY	Effective porosity	34692	20-Feb-96	Y	1
Y		2220	UNNAMED	Unnamed Lower Member of Rustler Formation	POROSITY	Effective porosity	34692	20-Feb-96	Y	1
Y		2220	UNNAMED	Unnamed Lower Member of Rustler Formation	POROSITY	Effective porosity	34692	20-Feb-96	Y	1
Y		2225	UNNAMED	Unnamed Lower Member of Rustler Formation	REL_P_MOD	Model number, relative permeability model	34701	01-Nov-95	Y	4B
Y		2225	UNNAMED	Unnamed Lower Member of Rustler Formation	REL_P_MOD	Model number, relative permeability model	34701	01-Nov-95	Y	4B
Y		2226	UNNAMED	Unnamed Lower Member of Rustler Formation	SAT_RGAS	Residual Gas Saturation	34703	01-Nov-95	Y	4B
Y		2226	UNNAMED	Unnamed Lower Member of Rustler Formation	SAT_RGAS	Residual Gas Saturation	34703	01-Nov-95	Y	4B
Y		2228	WAS_AREA	Waste emplacement area and waste	DPLSCRHW	Bulk density of plastic liners, RH waste	32480	13-Feb-96	Y	2
Y		2228	WAS_AREA	Waste emplacement area and waste	DPLSCRHW	Bulk density of plastic liners, RH waste	32480	13-Feb-96	Y	2
Y		2231	WAS_AREA	Waste emplacement area and waste	SAT_WCK	Index for computing wicking	34908	02-Nov-95	Y	4B
Y		2231	WAS_AREA	Waste emplacement area and waste	SAT_WCK	Index for computing wicking	34908	02-Nov-95	Y	4B
Y		2232	WAS_AREA	Waste emplacement area and waste	VOLCHW	BIR total volume of CH waste	32484	13-Feb-96	Y	2
Y		2232	WAS_AREA	Waste emplacement area and waste	VOLCHW	BIR total volume of CH waste	32484	13-Feb-96	Y	2
Y		2233	WAS_AREA	Waste emplacement area and waste	VOLRHW	BIR total volume of RH waste	32485	13-Feb-96	Y	2
Y		2233	WAS_AREA	Waste emplacement area and waste	VOLRHW	BIR total volume of RH waste	32485	13-Feb-96	Y	2
Y		2234	CAVITY_3	Cavity for Shaft	PC_MAX	Maximum allowable capillary pressure	31775	17-Feb-96	Y	4B
Y		2234	CAVITY_3	Cavity for Shaft	PC_MAX	Maximum allowable capillary pressure	31775	17-Feb-96	Y	4B
Y		2234	CAVITY_3	Cavity for Shaft	PC_MAX	Maximum allowable capillary pressure	31775	17-Feb-96	Y	4B
Y		2235	CAVITY_3	Cavity for Shaft	SAT_RBRN	Residual Brine Saturation	31788	17-Feb-96	Y	4B
Y		2235	CAVITY_3	Cavity for Shaft	SAT_RBRN	Residual Brine Saturation	31788	17-Feb-96	Y	4B
Y		2235	CAVITY_3	Cavity for Shaft	SAT_RBRN	Residual Brine Saturation	31788	17-Feb-96	Y	4B

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
2216	2	CONSTANT	5.6900000E-01	5.6900000E-01	5.6900000E-01	5.6900000E-01	Ci	WPO37061	Y	N/A
2216	2	CONSTANT	5.6900000E-01	5.6900000E-01	5.6900000E-01	5.6900000E-01	Ci	WPO39260	Y	N/A
2216	2	CONSTANT	5.6900000E-01	5.6900000E-01	5.6900000E-01	5.6900000E-01	Ci	WPO41559	Y	N/A
2216	2	CONSTANT	5.6900000E-01	5.6900000E-01	5.6900000E-01	5.6900000E-01	Ci	WPO41560	Y	N/A
2217	1,3	CONSTANT	1.0000000E+00	1.0000000E+00	1.0000000E+00	1.0000000E+00	NONE	WPO38568	Y	N/A
2217	1,3	CONSTANT	1.0000000E+00	1.0000000E+00	1.0000000E+00	1.0000000E+00	NONE	WPO40514	Y	N/A
2218	1,3	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0.0000000E+00	Pa^-1	WPO38568	Y	N/A
2218	1,3	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0.0000000E+00	Pa^-1	WPO40514	Y	N/A
2219	1,3	CONSTANT	7.0000000E-01	7.0000000E-01	7.0000000E-01	7.0000000E-01	NONE	WPO38568	Y	N/A
2219	1,3	CONSTANT	7.0000000E-01	7.0000000E-01	7.0000000E-01	7.0000000E-01	NONE	WPO40514	Y	N/A
2220	1	STUDENT	1.8100000E-01	1.8100000E-01	2.0000000E-03	2.7300000E-01	NONE	WPO30608	Y	N/A
2220	1	STUDENT	1.8100000E-01	1.8100000E-01	2.0000000E-03	2.7300000E-01	NONE	WPO35597	Y	N/A
2220	1	STUDENT	1.8100000E-01	1.8100000E-01	2.0000000E-03	2.7300000E-01	NONE	WPO36380	Y	N/A
2225	1,3	CONSTANT	4.0000000E+00	4.0000000E+00	4.0000000E+00	4.0000000E+00	NONE	WPO38568	Y	N/A
2225	1,3	CONSTANT	4.0000000E+00	4.0000000E+00	4.0000000E+00	4.0000000E+00	NONE	WPO40514	Y	N/A
2226	1,3	CONSTANT	2.0000000E-01	2.0000000E-01	2.0000000E-01	2.0000000E-01	NONE	WPO38568	Y	N/A
2226	1,3	CONSTANT	2.0000000E-01	2.0000000E-01	2.0000000E-01	2.0000000E-01	NONE	WPO40514	Y	N/A
2228	2	CONSTANT	3.1000000E+00	3.1000000E+00	3.1000000E+00	3.1000000E+00	kg/m^3	WPO32328	Y	N/A
2228	2	CONSTANT	3.1000000E+00	3.1000000E+00	3.1000000E+00	3.1000000E+00	kg/m^3	WPO36048	Y	N/A
2231	1,3	UNIFORM	5.0000000E-01	5.0000000E-01	0.0000000E+00	1.0000000E+00	NONE	WPO38568	Y	N/A
2231	1,3	UNIFORM	5.0000000E-01	5.0000000E-01	0.0000000E+00	1.0000000E+00	NONE	WPO40514	Y	N/A
2232	2	CONSTANT	1.6900000E+05	1.6900000E+05	1.6900000E+05	1.6900000E+05	m^3	WPO32328	Y	N/A
2232	2	CONSTANT	1.6900000E+05	1.6900000E+05	1.6900000E+05	1.6900000E+05	m^3	WPO36048	Y	N/A
2233	2	CONSTANT	7.0800000E+03	7.0800000E+03	7.0800000E+03	7.0800000E+03	m^3	WPO32328	Y	N/A
2233	2	CONSTANT	7.0800000E+03	7.0800000E+03	7.0800000E+03	7.0800000E+03	m^3	WPO36048	Y	N/A
2234	1,3	CONSTANT	1.0000000E+08	1.0000000E+08	1.0000000E+08	1.0000000E+08	Pa	MEMO:VAUGHN/TIERNEY-9	Y	N/A
2234	1,3	CONSTANT	1.0000000E+08	1.0000000E+08	1.0000000E+08	1.0000000E+08	Pa	WPO35597	Y	N/A
2234	1,3	CONSTANT	1.0000000E+08	1.0000000E+08	1.0000000E+08	1.0000000E+08	Pa	WPO40514	Y	N/A
2235	1,3	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0.0000000E+00	NONE	MEMO:VAUGHN/TIERNEY-9	Y	N/A
2235	1,3	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0.0000000E+00	NONE	WPO35597	Y	N/A
2235	1,3	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0.0000000E+00	NONE	WPO40514	Y	N/A

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 454 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		2236	CAVITY_4	Cavity for Borehole	PC_MAX	Maximum allowable capillary pressure	31800	17-Feb-96	Y	4B
Y		2236	CAVITY_4	Cavity for Borehole	PC_MAX	Maximum allowable capillary pressure	31800	17-Feb-96	Y	4B
Y		2236	CAVITY_4	Cavity for Borehole	PC_MAX	Maximum allowable capillary pressure	31800	17-Feb-96	Y	4B
Y		2237	CAVITY_4	Cavity for Borehole	SAT_RBRN	Residual Brine Saturation	31823	17-Feb-96	Y	4B
Y		2237	CAVITY_4	Cavity for Borehole	SAT_RBRN	Residual Brine Saturation	31823	17-Feb-96	Y	4B
Y		2237	CAVITY_4	Cavity for Borehole	SAT_RBRN	Residual Brine Saturation	31823	17-Feb-96	Y	4B
Y		2238	FORTYNIN	Forty Niner Member	COMP_RCK	Bulk Compressibility	32979	01-Nov-95	Y	4B
Y		2238	FORTYNIN	Forty Niner Member	COMP_RCK	Bulk Compressibility	32979	01-Nov-95	Y	4B
Y		2239	FORTYNIN	Forty Niner Member	PC_MAX	Maximum allowable capillary pressure	32989	01-Nov-95	Y	4B
Y		2239	FORTYNIN	Forty Niner Member	PC_MAX	Maximum allowable capillary pressure	32989	01-Nov-95	Y	4B
Y		2239	FORTYNIN	Forty Niner Member	PC_MAX	Maximum allowable capillary pressure	32989	01-Nov-95	Y	4B
Y		2240	FORTYNIN	Forty Niner Member	SAT_RBRN	Residual Brine Saturation	33022	01-Nov-95	Y	4B
Y		2240	FORTYNIN	Forty Niner Member	SAT_RBRN	Residual Brine Saturation	33022	01-Nov-95	Y	4B
Y		2241	MAGENTA	Magenta Member	SAT_RBRN	Residual Brine Saturation	32560	22-Feb-96	Y	4B
Y		2241	MAGENTA	Magenta Member	SAT_RBRN	Residual Brine Saturation	32560	22-Feb-96	Y	4B
Y		2241	MAGENTA	Magenta Member	SAT_RBRN	Residual Brine Saturation	32560	22-Feb-96	Y	4B
Y		2242	REPOSIT	Repository regions outside of Panel region	PC_MAX	Maximum allowable capillary pressure	33246	01-Nov-95	Y	4B
Y		2242	REPOSIT	Repository regions outside of Panel region	PC_MAX	Maximum allowable capillary pressure	33246	01-Nov-95	Y	4B
Y		2243	TAMARISK	Tamarisk Member	COMP_RCK	Bulk Compressibility	34529	01-Nov-95	Y	4B
Y		2243	TAMARISK	Tamarisk Member	COMP_RCK	Bulk Compressibility	34529	01-Nov-95	Y	4B
Y		2244	TAMARISK	Tamarisk Member	PC_MAX	Maximum allowable capillary pressure	34563	01-Nov-95	Y	4B
Y		2244	TAMARISK	Tamarisk Member	PC_MAX	Maximum allowable capillary pressure	34563	01-Nov-95	Y	4B
Y		2245	TAMARISK	Tamarisk Member	SAT_RBRN	Residual Brine Saturation	34589	01-Nov-95	Y	4B
Y		2245	TAMARISK	Tamarisk Member	SAT_RBRN	Residual Brine Saturation	34589	01-Nov-95	Y	4B
Y		2247	UNNAMED	Unnamed Lower Member of Rustler Formation	PC_MAX	Maximum allowable capillary pressure	34690	01-Nov-95	Y	4B
Y		2247	UNNAMED	Unnamed Lower Member of Rustler Formation	PC_MAX	Maximum allowable capillary pressure	34690	01-Nov-95	Y	4B
Y		2248	UNNAMED	Unnamed Lower Member of Rustler Formation	SAT_RBRN	Residual Brine Saturation	34702	01-Nov-95	Y	4B
Y		2248	UNNAMED	Unnamed Lower Member of Rustler Formation	SAT_RBRN	Residual Brine Saturation	34702	01-Nov-95	Y	4B
Y		2254	BOREHOLE	Borehole and Fill	TAUFALL	Effective shear strength for erosion (rfail)	31536	25-Apr-96	Y	1
Y		2254	BOREHOLE	Borehole and Fill	TAUFALL	Effective shear strength for erosion (rfail)	31536	25-Apr-96	Y	1
Y		2254	BOREHOLE	Borehole and Fill	TAUFALL	Effective shear strength for erosion (rfail)	31536	25-Apr-96	Y	1
Y		2254	BOREHOLE	Borehole and Fill	TAUFALL	Effective shear strength for erosion (rfail)	31536	25-Apr-96	Y	1
Y		2265	CM248	Curium 248	INVCHD	Inventory of Contact Handled Design	32500A	29-Oct-96	Y	2
Y		2265	CM248	Curium 248	INVCHD	Inventory of Contact Handled Design	32500A	29-Oct-96	Y	2
Y		2265	CM248	Curium 248	INVCHD	Inventory of Contact Handled Design	32500A	29-Oct-96	Y	2
Y		2265	CM248	Curium 248	INVCHD	Inventory of Contact Handled Design	32500A	29-Oct-96	Y	2
Y		2266	CM248	Curium 248	INVRHD	Inventory of Remote Handled Design	32501A	29-Oct-96	Y	2
Y		2266	CM248	Curium 248	INVRHD	Inventory of Remote Handled Design	32501A	29-Oct-96	Y	2

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
2236	1,3	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	MEMO:VAUGHN/TIERNEY-9	Y	N/A
2236	1,3	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO35597	Y	N/A
2236	1,3	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO40514	Y	N/A
2237	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	MEMO:VAUGHN/TIERNEY-9	Y	N/A
2237	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35597	Y	N/A
2237	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40514	Y	N/A
2238	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Pa^-1	WPO38568	Y	N/A
2238	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Pa^-1	WPO40514	Y	N/A
2239	1,3	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO31041	Y	N/A
2239	1,3	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO38568	Y	N/A
2239	1,3	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO40514	Y	N/A
2240	1,3	CONSTANT	2.000000E-01	2.000000E-01	2.000000E-01	2.000000E-01	NONE	WPO38568	Y	N/A
2240	1,3	CONSTANT	2.000000E-01	2.000000E-01	2.000000E-01	2.000000E-01	NONE	WPO40514	Y	N/A
2241	1,3,4	CONSTANT	8.363000E-02	8.363000E-02	8.363000E-02	8.363000E-02	NONE	WPO31041	Y	N/A
2241	1,3,4	CONSTANT	8.363000E-02	8.363000E-02	8.363000E-02	8.363000E-02	NONE	WPO35597	Y	N/A
2241	1,3,4	CONSTANT	8.363000E-02	8.363000E-02	8.363000E-02	8.363000E-02	NONE	WPO40514	Y	N/A
2242	3,5	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO37970	Y	N/A
2242	3,5	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO40514	Y	N/A
2243	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Pa^-1	WPO38568	Y	N/A
2243	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Pa^-1	WPO40514	Y	N/A
2244	1,3	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO31041	Y	N/A
2244	1,3	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO40514	Y	N/A
2245	1,3	CONSTANT	2.000000E-01	2.000000E-01	2.000000E-01	2.000000E-01	NONE	WPO38568	Y	N/A
2245	1,3	CONSTANT	2.000000E-01	2.000000E-01	2.000000E-01	2.000000E-01	NONE	WPO40514	Y	N/A
2247	1,3	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO38568	Y	N/A
2247	1,3	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO40514	Y	N/A
2248	1,3	CONSTANT	2.000000E-01	2.000000E-01	2.000000E-01	2.000000E-01	NONE	WPO38568	-Y	N/A
2248	1,3	CONSTANT	2.000000E-01	2.000000E-01	2.000000E-01	2.000000E-01	NONE	WPO40514	Y	N/A
2254	3,4,5	UNIFORM	5.030000E+00	5.030000E+00	5.000000E-02	1.000000E+01	Pa	HYDRAULICS/ASCE-3/70	Y	N/A
2254	3,4,5	UNIFORM	5.030000E+00	5.030000E+00	5.000000E-02	1.000000E+01	Pa	WPO35268	Y	N/A
2254	3,4,5	UNIFORM	5.030000E+00	5.030000E+00	5.000000E-02	1.000000E+01	Pa	WPO35695	Y*	N/A
2254	3,4,5	UNIFORM	5.030000E+00	5.030000E+00	5.000000E-02	1.000000E+01	Pa	WPO36766	Y	N/A
2265	2	CONSTANT	3.690000E-02	3.690000E-02	3.690000E-02	3.690000E-02	Ci	WPO37061	Y	N/A
2265	2	CONSTANT	3.690000E-02	3.690000E-02	3.690000E-02	3.690000E-02	Ci	WPO39260	Y	N/A
2265	2	CONSTANT	3.690000E-02	3.690000E-02	3.690000E-02	3.690000E-02	Ci	WPO41559	Y	N/A
2265	2	CONSTANT	3.690000E-02	3.690000E-02	3.690000E-02	3.690000E-02	Ci	WPO41560	Y	N/A
2266	2	CONSTANT	2.150000E-04	2.150000E-04	2.150000E-04	2.150000E-04	Ci	WPO37061	Y	N/A
2266	2	CONSTANT	2.150000E-04	2.150000E-04	2.150000E-04	2.150000E-04	Ci	WPO39260	Y	N/A

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 454 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		2266	CM248	Curium 248	INVRHD	Inventory of Remote Handled Design	32501A	29-Oct-96	Y	2
Y		2266	CM248	Curium 248	INVRHD	Inventory of Remote Handled Design	32501A	29-Oct-96	Y	2
Y		2267	PA231	Protactinium 231	INVCHD	Inventory of Contact Handled Design	32930A	29-Oct-96	Y	2
Y		2267	PA231	Protactinium 231	INVCHD	Inventory of Contact Handled Design	32930A	29-Oct-96	Y	2
Y		2267	PA231	Protactinium 231	INVCHD	Inventory of Contact Handled Design	32930A	29-Oct-96	Y	2
Y		2267	PA231	Protactinium 231	INVCHD	Inventory of Contact Handled Design	32930A	29-Oct-96	Y	2
Y		2268	PA231	Protactinium 231	INVRHD	Inventory of Remote Handled Design	32931A	29-Oct-96	Y	2
Y		2268	PA231	Protactinium 231	INVRHD	Inventory of Remote Handled Design	32931A	29-Oct-96	Y	2
Y		2268	PA231	Protactinium 231	INVRHD	Inventory of Remote Handled Design	32931A	29-Oct-96	Y	2
Y		2268	PA231	Protactinium 231	INVRHD	Inventory of Remote Handled Design	32931A	29-Oct-96	Y	2
Y		2269	PU244	Plutonium 244	INVCHD	Inventory of Contact Handled Design	33450A	29-Oct-96	Y	2
Y		2269	PU244	Plutonium 244	INVCHD	Inventory of Contact Handled Design	33450A	29-Oct-96	Y	2
Y		2269	PU244	Plutonium 244	INVCHD	Inventory of Contact Handled Design	33450A	29-Oct-96	Y	2
Y		2270	PU244	Plutonium 244	INVRHD	Inventory of Remote Handled Design	33452A	29-Oct-96	Y	2
Y		2270	PU244	Plutonium 244	INVRHD	Inventory of Remote Handled Design	33452A	29-Oct-96	Y	2
Y		2270	PU244	Plutonium 244	INVRHD	Inventory of Remote Handled Design	33452A	29-Oct-96	Y	2
Y		2271	RA228	Radium 228	INVCHD	Inventory of Contact Handled Design	33470A	29-Oct-96	Y	2
Y		2271	RA228	Radium 228	INVCHD	Inventory of Contact Handled Design	33470A	29-Oct-96	Y	2
Y		2271	RA228	Radium 228	INVCHD	Inventory of Contact Handled Design	33470A	29-Oct-96	Y	2
Y		2272	RA228	Radium 228	INVRHD	Inventory of Remote Handled Design	36968A	29-Oct-96	Y	2
Y		2272	RA228	Radium 228	INVRHD	Inventory of Remote Handled Design	36968A	29-Oct-96	Y	2
Y		2272	RA228	Radium 228	INVRHD	Inventory of Remote Handled Design	36968A	29-Oct-96	Y	2
Y		2274	WAS_AREA	Waste emplacement area and waste	DCELLRHW	Average density of cellulose in RH waste	32465	13-Feb-96	Y	2
Y		2274	WAS_AREA	Waste emplacement area and waste	DCELLRHW	Average density of cellulose in RH waste	32465	13-Feb-96	Y	2
Y		2275	WAS_AREA	Waste emplacement area and waste	DPLASRHW	Average density of plastics in CH waste	32476	13-Feb-96	Y	2
Y		2275	WAS_AREA	Waste emplacement area and waste	DPLASRHW	Average density of plastics in CH waste	32476	13-Feb-96	Y	2
Y	50	2276	ASPHALT	Asphalt column	CAP_MOD	Model number, capillary pressure model	31375A	03-Nov-95	Y	4B
Y	50	2276	ASPHALT	Asphalt column	CAP_MOD	Model number, capillary pressure model	31375A	03-Nov-95	Y	4B
Y	50	2276	ASPHALT	Asphalt column	CAP_MOD	Model number, capillary pressure model	31375A	03-Nov-95	Y	4B
Y	50	2276	ASPHALT	Asphalt column	CAP_MOD	Model number, capillary pressure model	31375A	03-Nov-95	Y	4B
Y	50	2276	ASPHALT	Asphalt column	CAP_MOD	Model number, capillary pressure model	31375A	03-Nov-95	Y	4B
Y		2277	ASPHALT	Asphalt column	COMP_RCK	Bulk Compressibility	31380	13-Feb-96	Y	1
Y		2277	ASPHALT	Asphalt column	COMP_RCK	Bulk Compressibility	31380	13-Feb-96	Y	1
Y		2277	ASPHALT	Asphalt column	COMP_RCK	Bulk Compressibility	31380	13-Feb-96	Y	1
Y		2278	ASPHALT	Asphalt column	PC_MAX	Maximum allowable capillary pressure	31385A	03-Nov-95	Y	4B
Y		2278	ASPHALT	Asphalt column	PC_MAX	Maximum allowable capillary pressure	31385A	03-Nov-95	Y	4B
Y		2278	ASPHALT	Asphalt column	PC_MAX	Maximum allowable capillary pressure	31385A	03-Nov-95	Y	4B

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
2266	2	CONSTANT	2.150000E-04	2.150000E-04	2.150000E-04	2.150000E-04	Ci	WPO41559	Y	N/A
2266	2	CONSTANT	2.150000E-04	2.150000E-04	2.150000E-04	2.150000E-04	Ci	WPO41560	Y	N/A
2267	2	CONSTANT	4.620000E-01	4.620000E-01	4.620000E-01	4.620000E-01	Ci	WPO37061	Y	N/A
2267	2	CONSTANT	4.620000E-01	4.620000E-01	4.620000E-01	4.620000E-01	Ci	WPO39260	Y	N/A
2267	2	CONSTANT	4.620000E-01	4.620000E-01	4.620000E-01	4.620000E-01	Ci	WPO41559	Y	N/A
2267	2	CONSTANT	4.620000E-01	4.620000E-01	4.620000E-01	4.620000E-01	Ci	WPO41560	Y	N/A
2268	2	CONSTANT	5.630000E-03	5.630000E-03	5.630000E-03	5.630000E-03	Ci	WPO37061	Y	N/A
2268	2	CONSTANT	5.630000E-03	5.630000E-03	5.630000E-03	5.630000E-03	Ci	WPO39260	Y	N/A
2268	2	CONSTANT	5.630000E-03	5.630000E-03	5.630000E-03	5.630000E-03	Ci	WPO41559	Y	N/A
2268	2	CONSTANT	5.630000E-03	5.630000E-03	5.630000E-03	5.630000E-03	Ci	WPO41560	Y	N/A
2269	2	CONSTANT	1.510000E-06	1.510000E-06	1.510000E-06	1.510000E-06	Ci	WPO37061	Y	N/A
2269	2	CONSTANT	1.510000E-06	1.510000E-06	1.510000E-06	1.510000E-06	Ci	WPO41559	Y	N/A
2269	2	CONSTANT	1.510000E-06	1.510000E-06	1.510000E-06	1.510000E-06	Ci	WPO41560	Y	N/A
2270	2	CONSTANT	8.500000E-11	8.500000E-11	8.500000E-11	8.500000E-11	Ci	WPO37061	Y	N/A
2270	2	CONSTANT	8.500000E-11	8.500000E-11	8.500000E-11	8.500000E-11	Ci	WPO41559	Y	N/A
2270	2	CONSTANT	8.500000E-11	8.500000E-11	8.500000E-11	8.500000E-11	Ci	WPO41560	Y	N/A
2271	2	CONSTANT	9.100000E-01	9.100000E-01	9.100000E-01	9.100000E-01	Ci	WPO37061	Y	N/A
2271	2	CONSTANT	9.100000E-01	9.100000E-01	9.100000E-01	9.100000E-01	Ci	WPO41559	Y	N/A
2271	2	CONSTANT	9.100000E-01	9.100000E-01	9.100000E-01	9.100000E-01	Ci	WPO41560	Y	N/A
2272	2	CONSTANT	9.230000E-02	9.230000E-02	9.230000E-02	9.230000E-02	Ci	WPO37061	Y	N/A
2272	2	CONSTANT	9.230000E-02	9.230000E-02	9.230000E-02	9.230000E-02	Ci	WPO41559	Y	N/A
2272	2	CONSTANT	9.230000E-02	9.230000E-02	9.230000E-02	9.230000E-02	Ci	WPO41560	Y	N/A
2274	2	CONSTANT	1.700000E+01	1.700000E+01	1.700000E+01	1.700000E+01	kg/m³	WPO32328	Y	N/A
2274	2	CONSTANT	1.700000E+01	1.700000E+01	1.700000E+01	1.700000E+01	kg/m³	WPO36048	Y	N/A
2275	2	CONSTANT	1.500000E+01	1.500000E+01	1.500000E+01	1.500000E+01	kg/m³	WPO32328	-Y	N/A
2275	2	CONSTANT	1.500000E+01	1.500000E+01	1.500000E+01	1.500000E+01	kg/m³	WPO36048	Y	N/A
2276	3,5	CONSTANT	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	NONE	WPO30640	Y	N/A
2276	3,5	CONSTANT	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	NONE	WPO30994	Y	N/A
2276	3,5	CONSTANT	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	NONE	WPO35597	Y	N/A
2276	3,5	CONSTANT	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	NONE	WPO40486	Y	N/A
2276	3,5	CONSTANT	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	NONE	WPO40514	Y	N/A
2277	3,4	CONSTANT	2.970000E-08	2.970000E-08	2.970000E-08	2.970000E-08	Pa⁻¹	WPO30640	Y	N/A
2277	3,4	CONSTANT	2.970000E-08	2.970000E-08	2.970000E-08	2.970000E-08	Pa⁻¹	WPO30994	Y	N/A
2277	3,4	CONSTANT	2.970000E-08	2.970000E-08	2.970000E-08	2.970000E-08	Pa⁻¹	WPO35597	Y	N/A
2278	3,5	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO30640	Y	N/A
2278	3,5	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO30994	Y	N/A
2278	3,5	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO35597	Y	N/A

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 454 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		2278	ASPHALT	Asphalt column	PC_MAX	Maximum allowable capillary pressure	31385A	03-Nov-95	Y	4B
Y		2278	ASPHALT	Asphalt column	PC_MAX	Maximum allowable capillary pressure	31385A	03-Nov-95	Y	4B
Y	varies	2279	ASPHALT	Asphalt column	PORE_DIS	Brooks-Corey pore distribution parameter	31386	21-Feb-96	Y	1
Y	varies	2279	ASPHALT	Asphalt column	PORE_DIS	Brooks-Corey pore distribution parameter	31386	21-Feb-96	Y	1
Y	varies	2279	ASPHALT	Asphalt column	PORE_DIS	Brooks-Corey pore distribution parameter	31386	21-Feb-96	Y	1
Y	varies	2279	ASPHALT	Asphalt column	PORE_DIS	Brooks-Corey pore distribution parameter	31386	21-Feb-96	Y	1
Y	varies	2279	ASPHALT	Asphalt column	PORE_DIS	Brooks-Corey pore distribution parameter	31386	21-Feb-96	Y	1
Y	varies	2279	ASPHALT	Asphalt column	PORE_DIS	Brooks-Corey pore distribution parameter	31386	21-Feb-96	Y	1
Y		2280	ASPHALT	Asphalt column	POROSITY	Effective porosity	31387	13-Feb-96	Y	1
Y		2280	ASPHALT	Asphalt column	POROSITY	Effective porosity	31387	13-Feb-96	Y	1
Y		2280	ASPHALT	Asphalt column	POROSITY	Effective porosity	31387	13-Feb-96	Y	1
Y		2281	ASPHALT	Asphalt column	PO_MIN	Minimum brine pressure for capillary model KPC=3	31388	21-Feb-96	Y	4B
Y		2281	ASPHALT	Asphalt column	PO_MIN	Minimum brine pressure for capillary model KPC=3	31388	21-Feb-96	Y	4B
Y		2281	ASPHALT	Asphalt column	PO_MIN	Minimum brine pressure for capillary model KPC=3	31388	21-Feb-96	Y	4B
Y		2282	ASPHALT	Asphalt column	PRESSURE	Brine far-field pore pressure	31389	20-Feb-96	Y	1
Y		2282	ASPHALT	Asphalt column	PRESSURE	Brine far-field pore pressure	31389	20-Feb-96	Y	1
Y	varies	2283	ASPHALT	Asphalt column	PRMX_LOG	Log of intrinsic permeability, X-direction	31390	13-Feb-96	Y	1
Y	varies	2283	ASPHALT	Asphalt column	PRMX_LOG	Log of intrinsic permeability, X-direction	31390	13-Feb-96	Y	1
Y	varies	2283	ASPHALT	Asphalt column	PRMX_LOG	Log of intrinsic permeability, X-direction	31390	13-Feb-96	Y	1
Y	varies	2283	ASPHALT	Asphalt column	PRMX_LOG	Log of intrinsic permeability, X-direction	31390	13-Feb-96	Y	1
Y	varies	2283	ASPHALT	Asphalt column	PRMX_LOG	Log of intrinsic permeability, X-direction	31390	13-Feb-96	Y	1
Y		2284	ASPHALT	Asphalt column	PRMY_LOG	Log of intrinsic permeability, Y-direction	31391	13-Feb-96	Y	1
Y		2284	ASPHALT	Asphalt column	PRMY_LOG	Log of intrinsic permeability, Y-direction	31391	13-Feb-96	Y	1
Y		2284	ASPHALT	Asphalt column	PRMY_LOG	Log of intrinsic permeability, Y-direction	31391	13-Feb-96	Y	1
Y		2284	ASPHALT	Asphalt column	PRMY_LOG	Log of intrinsic permeability, Y-direction	31391	13-Feb-96	Y	1
Y		2284	ASPHALT	Asphalt column	PRMY_LOG	Log of intrinsic permeability, Y-direction	31391	13-Feb-96	Y	1
Y		2285	ASPHALT	Asphalt column	PRMZ_LOG	Log of intrinsic permeability, Z-direction	31392	13-Feb-96	Y	1
Y		2285	ASPHALT	Asphalt column	PRMZ_LOG	Log of intrinsic permeability, Z-direction	31392	13-Feb-96	Y	1
Y		2285	ASPHALT	Asphalt column	PRMZ_LOG	Log of intrinsic permeability, Z-direction	31392	13-Feb-96	Y	1
Y		2285	ASPHALT	Asphalt column	PRMZ_LOG	Log of intrinsic permeability, Z-direction	31392	13-Feb-96	Y	1
Y		2285	ASPHALT	Asphalt column	PRMZ_LOG	Log of intrinsic permeability, Z-direction	31392	13-Feb-96	Y	1
Y		2289	ASPHALT	Asphalt column	RELP_MOD	Model number, relative permeability model	31397A	03-Nov-95	Y	4B
Y		2289	ASPHALT	Asphalt column	RELP_MOD	Model number, relative permeability model	31397A	03-Nov-95	Y	4B
Y		2289	ASPHALT	Asphalt column	RELP_MOD	Model number, relative permeability model	31397A	03-Nov-95	Y	4B
Y		2289	ASPHALT	Asphalt column	RELP_MOD	Model number, relative permeability model	31397A	03-Nov-95	Y	4B
Y		2289	ASPHALT	Asphalt column	RELP_MOD	Model number, relative permeability model	31397A	03-Nov-95	Y	4B
Y		2290	ASPHALT	Asphalt column	SAT_IBRN	Initial Brine Saturation	31403	13-Feb-96	Y	1
Y		2290	ASPHALT	Asphalt column	SAT_IBRN	Initial Brine Saturation	31403	13-Feb-96	Y	1
Y		2290	ASPHALT	Asphalt column	SAT_IBRN	Initial Brine Saturation	31403	13-Feb-96	Y	1

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
2278	3,5	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO40486	Y	N/A
2278	3,5	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO40514	Y	N/A
2279	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO30640	Y	N/A
2279	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO30994	Y	N/A
2279	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO32287	Y	N/A
2279	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO35268	Y	N/A
2279	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO35597	Y	N/A
2279	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO41558	Y	N/A
2280	1,3	CONSTANT	1.000000E-02	1.000000E-02	1.000000E-02	1.000000E-02	m ³ /m ³	WPO30640	Y	N/A
2280	1,3	CONSTANT	1.000000E-02	1.000000E-02	1.000000E-02	1.000000E-02	m ³ /m ³	WPO30994	Y	N/A
2280	1,3	CONSTANT	1.000000E-02	1.000000E-02	1.000000E-02	1.000000E-02	m ³ /m ³	WPO35597	Y	N/A
2281	3,5	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO35597	Y	N/A
2281	3,5	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO36051	Y	N/A
2281	3,5	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO40514	Y	N/A
2282	3,5	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO35597	Y	N/A
2282	3,5	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO36058	Y	N/A
2283	3,4	TRIANGULAR	-1.966700E+01	-2.000000E+01	-2.100000E+01	-1.800000E+01	log(m ²)	WPO30640	Y	N/A
2283	3,4	TRIANGULAR	-1.966700E+01	-2.000000E+01	-2.100000E+01	-1.800000E+01	log(m ²)	WPO30994	Y	N/A
2283	3,4	TRIANGULAR	-1.966700E+01	-2.000000E+01	-2.100000E+01	-1.800000E+01	log(m ²)	WPO35268	Y	N/A
2283	3,4	TRIANGULAR	-1.966700E+01	-2.000000E+01	-2.100000E+01	-1.800000E+01	log(m ²)	WPO35597	Y	N/A
2283	3,4	TRIANGULAR	-1.966700E+01	-2.000000E+01	-2.100000E+01	-1.800000E+01	log(m ²)	WPO41558	Y	N/A
2284	3,4	TRIANGULAR	-1.966700E+01	-2.000000E+01	-2.100000E+01	-1.800000E+01	log(m ²)	WPO30640	Y	N/A
2284	3,4	TRIANGULAR	-1.966700E+01	-2.000000E+01	-2.100000E+01	-1.800000E+01	log(m ²)	WPO30994	Y	N/A
2284	3,4	TRIANGULAR	-1.966700E+01	-2.000000E+01	-2.100000E+01	-1.800000E+01	log(m ²)	WPO35268	Y	N/A
2284	3,4	TRIANGULAR	-1.966700E+01	-2.000000E+01	-2.100000E+01	-1.800000E+01	log(m ²)	WPO35597	Y	N/A
2284	3,4	TRIANGULAR	-1.966700E+01	-2.000000E+01	-2.100000E+01	-1.800000E+01	log(m ²)	WPO41558	Y	N/A
2285	3,4	TRIANGULAR	-1.966700E+01	-2.000000E+01	-2.100000E+01	-1.800000E+01	log(m ²)	WPO30640	Y	N/A
2285	3,4	TRIANGULAR	-1.966700E+01	-2.000000E+01	-2.100000E+01	-1.800000E+01	log(m ²)	WPO30994	Y	N/A
2285	3,4	TRIANGULAR	-1.966700E+01	-2.000000E+01	-2.100000E+01	-1.800000E+01	log(m ²)	WPO35268	Y	N/A
2285	3,4	TRIANGULAR	-1.966700E+01	-2.000000E+01	-2.100000E+01	-1.800000E+01	log(m ²)	WPO35597	Y	N/A
2285	3,4	TRIANGULAR	-1.966700E+01	-2.000000E+01	-2.100000E+01	-1.800000E+01	log(m ²)	WPO41558	Y	N/A
2289	3,5	CONSTANT	4.000000E+00	4.000000E+00	4.000000E+00	4.000000E+00	NONE	WPO30640	Y	N/A
2289	3,5	CONSTANT	4.000000E+00	4.000000E+00	4.000000E+00	4.000000E+00	NONE	WPO30994	Y	N/A
2289	3,5	CONSTANT	4.000000E+00	4.000000E+00	4.000000E+00	4.000000E+00	NONE	WPO35597	Y	N/A
2289	3,5	CONSTANT	4.000000E+00	4.000000E+00	4.000000E+00	4.000000E+00	NONE	WPO40486	Y	N/A
2289	3,5	CONSTANT	4.000000E+00	4.000000E+00	4.000000E+00	4.000000E+00	NONE	WPO40514	Y	N/A
2290	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO30640	Y	N/A
2290	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO30994	Y	N/A
2290	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35597	Y	N/A

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 464 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y	100	2291	ASPHALT	Asphalt column	SAT_RBRN	Residual Brine Saturation	31405	13-Feb-96	Y	1
Y	100	2291	ASPHALT	Asphalt column	SAT_RBRN	Residual Brine Saturation	31405	13-Feb-96	Y	1
Y	100	2291	ASPHALT	Asphalt column	SAT_RBRN	Residual Brine Saturation	31405	13-Feb-96	Y	1
Y	100	2291	ASPHALT	Asphalt column	SAT_RBRN	Residual Brine Saturation	31405	13-Feb-96	Y	1
Y	100	2291	ASPHALT	Asphalt column	SAT_RBRN	Residual Brine Saturation	31405	13-Feb-96	Y	1
Y	100	2291	ASPHALT	Asphalt column	SAT_RBRN	Residual Brine Saturation	31405	13-Feb-96	Y	1
Y	100	2292	ASPHALT	Asphalt column	SAT_RGAS	Residual Gas Saturation	31407	13-Feb-96	Y	1
Y	100	2292	ASPHALT	Asphalt column	SAT_RGAS	Residual Gas Saturation	31407	13-Feb-96	Y	1
Y	100	2292	ASPHALT	Asphalt column	SAT_RGAS	Residual Gas Saturation	31407	13-Feb-96	Y	1
Y	100	2292	ASPHALT	Asphalt column	SAT_RGAS	Residual Gas Saturation	31407	13-Feb-96	Y	1
Y	100	2292	ASPHALT	Asphalt column	SAT_RGAS	Residual Gas Saturation	31407	13-Feb-96	Y	1
Y	100	2292	ASPHALT	Asphalt column	SAT_RGAS	Residual Gas Saturation	31407	13-Feb-96	Y	1
Y	50	2310	CLAY_BOT	Shaft Bottom Clay	CAP_MOD	Model number, capillary pressure model	31855	03-Nov-95	Y	4B
Y	50	2310	CLAY_BOT	Shaft Bottom Clay	CAP_MOD	Model number, capillary pressure model	31855	03-Nov-95	Y	4B
Y	50	2310	CLAY_BOT	Shaft Bottom Clay	CAP_MOD	Model number, capillary pressure model	31855	03-Nov-95	Y	4B
Y	50	2310	CLAY_BOT	Shaft Bottom Clay	CAP_MOD	Model number, capillary pressure model	31855	03-Nov-95	Y	4B
Y	50	2310	CLAY_BOT	Shaft Bottom Clay	CAP_MOD	Model number, capillary pressure model	31855	03-Nov-95	Y	4B
Y		2311	CLAY_BOT	Shaft Bottom Clay	COMP_RCK	Bulk Compressibility	31857	21-Feb-96	Y	4B
Y		2311	CLAY_BOT	Shaft Bottom Clay	COMP_RCK	Bulk Compressibility	31857	21-Feb-96	Y	4B
Y		2311	CLAY_BOT	Shaft Bottom Clay	COMP_RCK	Bulk Compressibility	31857	21-Feb-96	Y	4B
Y		2311	CLAY_BOT	Shaft Bottom Clay	COMP_RCK	Bulk Compressibility	31857	21-Feb-96	Y	4B
Y		2312	CLAY_BOT	Shaft Bottom Clay	PC_MAX	Maximum allowable capillary pressure	31861A	03-Nov-95	Y	4B
Y		2312	CLAY_BOT	Shaft Bottom Clay	PC_MAX	Maximum allowable capillary pressure	31861A	03-Nov-95	Y	4B
Y		2312	CLAY_BOT	Shaft Bottom Clay	PC_MAX	Maximum allowable capillary pressure	31861A	03-Nov-95	Y	4B
Y		2312	CLAY_BOT	Shaft Bottom Clay	PC_MAX	Maximum allowable capillary pressure	31861A	03-Nov-95	Y	4B
Y		2312	CLAY_BOT	Shaft Bottom Clay	PC_MAX	Maximum allowable capillary pressure	31861A	03-Nov-95	Y	4B
Y		2312	CLAY_BOT	Shaft Bottom Clay	PC_MAX	Maximum allowable capillary pressure	31861A	03-Nov-95	Y	4B
Y	varies	2313	CLAY_BOT	Shaft Bottom Clay	PORE_DIS	Brooks-Corey pore distribution parameter	31862	26-Feb-96	Y	4A
Y	varies	2313	CLAY_BOT	Shaft Bottom Clay	PORE_DIS	Brooks-Corey pore distribution parameter	31862	26-Feb-96	Y	4A
Y	varies	2313	CLAY_BOT	Shaft Bottom Clay	PORE_DIS	Brooks-Corey pore distribution parameter	31862	26-Feb-96	Y	4A
Y	varies	2313	CLAY_BOT	Shaft Bottom Clay	PORE_DIS	Brooks-Corey pore distribution parameter	31862	26-Feb-96	Y	4A
Y	varies	2313	CLAY_BOT	Shaft Bottom Clay	PORE_DIS	Brooks-Corey pore distribution parameter	31862	26-Feb-96	Y	4A
Y	varies	2313	CLAY_BOT	Shaft Bottom Clay	PORE_DIS	Brooks-Corey pore distribution parameter	31862	26-Feb-96	Y	4A
Y	varies	2313	CLAY_BOT	Shaft Bottom Clay	PORE_DIS	Brooks-Corey pore distribution parameter	31862	26-Feb-96	Y	4A
Y		2314	CLAY_BOT	Shaft Bottom Clay	POROSITY	Effective porosity	31863	21-Feb-96	Y	4A
Y		2314	CLAY_BOT	Shaft Bottom Clay	POROSITY	Effective porosity	31863	21-Feb-96	Y	4A
Y		2314	CLAY_BOT	Shaft Bottom Clay	POROSITY	Effective porosity	31863	21-Feb-96	Y	4A
Y		2314	CLAY_BOT	Shaft Bottom Clay	POROSITY	Effective porosity	31863	21-Feb-96	Y	4A
Y		2314	CLAY_BOT	Shaft Bottom Clay	POROSITY	Effective porosity	31863	21-Feb-96	Y	4A
Y		2315	CLAY_BOT	Shaft Bottom Clay	PO_MIN	Minimum brine pressure for capillary model KPC=3	31864	21-Feb-96	Y	4B
Y		2315	CLAY_BOT	Shaft Bottom Clay	PO_MIN	Minimum brine pressure for capillary model KPC=3	31864	21-Feb-96	Y	4B
Y		2315	CLAY_BOT	Shaft Bottom Clay	PO_MIN	Minimum brine pressure for capillary model KPC=3	31864	21-Feb-96	Y	4B
Y		2316	CLAY_BOT	Shaft Bottom Clay	PRESSURE	Brine far-field pore pressure	31865	21-Feb-96	Y	4B
Y		2316	CLAY_BOT	Shaft Bottom Clay	PRESSURE	Brine far-field pore pressure	31865	21-Feb-96	Y	4B
Y		2316	CLAY_BOT	Shaft Bottom Clay	PRESSURE	Brine far-field pore pressure	31865	21-Feb-96	Y	4B

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
2291	3,4	CUMULATIVE	2.500000E-01	2.000000E-01	0.000000E+00	6.000000E-01	NONE	WPO30640	Y	N/A
2291	3,4	CUMULATIVE	2.500000E-01	2.000000E-01	0.000000E+00	6.000000E-01	NONE	WPO30994	Y	N/A
2291	3,4	CUMULATIVE	2.500000E-01	2.000000E-01	0.000000E+00	6.000000E-01	NONE	WPO35268	Y	N/A
2291	3,4	CUMULATIVE	2.500000E-01	2.000000E-01	0.000000E+00	6.000000E-01	NONE	WPO35597	Y	N/A
2291	3,4	CUMULATIVE	2.500000E-01	2.000000E-01	0.000000E+00	6.000000E-01	NONE	WPO41558	Y	N/A
2291	3,4	CUMULATIVE	2.500000E-01	2.000000E-01	0.000000E+00	6.000000E-01	NONE	WPO42751	Y	N/A
2292	3,4	UNIFORM	2.000000E-01	2.000000E-01	0.000000E+00	4.000000E-01	NONE	WPO30640	Y	N/A
2292	3,4	UNIFORM	2.000000E-01	2.000000E-01	0.000000E+00	4.000000E-01	NONE	WPO30994	Y	N/A
2292	3,4	UNIFORM	2.000000E-01	2.000000E-01	0.000000E+00	4.000000E-01	NONE	WPO35268	Y	N/A
2292	3,4	UNIFORM	2.000000E-01	2.000000E-01	0.000000E+00	4.000000E-01	NONE	WPO35597	Y	N/A
2292	3,4	UNIFORM	2.000000E-01	2.000000E-01	0.000000E+00	4.000000E-01	NONE	WPO41558	Y	N/A
2310	1,3,4	CONSTANT	2.000000E+00	2.000000E+00	2.000000E+00	2.000000E+00	NONE	WPO30994	Y	N/A
2310	1,3,4	CONSTANT	2.000000E+00	2.000000E+00	2.000000E+00	2.000000E+00	NONE	WPO35267	Y	N/A
2310	1,3,4	CONSTANT	2.000000E+00	2.000000E+00	2.000000E+00	2.000000E+00	NONE	WPO35597	Y	N/A
2310	1,3,4	CONSTANT	2.000000E+00	2.000000E+00	2.000000E+00	2.000000E+00	NONE	WPO36383	Y	N/A
2310	1,3,4	CONSTANT	2.000000E+00	2.000000E+00	2.000000E+00	2.000000E+00	NONE	WPO40514	Y	N/A
2311	1,3,4	CONSTANT	1.590000E-09	1.590000E-09	1.590000E-09	1.590000E-09	Pa^-1	WPO35267	Y	N/A
2311	1,3,4	CONSTANT	1.590000E-09	1.590000E-09	1.590000E-09	1.590000E-09	Pa^-1	WPO35597	Y	N/A
2311	1,3,4	CONSTANT	1.590000E-09	1.590000E-09	1.590000E-09	1.590000E-09	Pa^-1	WPO36050	Y	N/A
2311	1,3,4	CONSTANT	1.590000E-09	1.590000E-09	1.590000E-09	1.590000E-09	Pa^-1	WPO40514	Y	N/A
2312	1,3	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO30994	Y	N/A
2312	1,3	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO35267	Y	N/A
2312	1,3	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO35597	Y	N/A
2312	1,3	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO36383	Y	N/A
2312	1,3	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO40486	Y	N/A
2312	1,3	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO40514	Y	N/A
2313	1,3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO30994	Y	N/A
2313	1,3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO35267	Y	N/A
2313	1,3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO35268	Y	N/A
2313	1,3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO35597	Y	N/A
2313	1,3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO36383	Y	N/A
2313	1,3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO41558	Y	N/A
2313	1,3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO42750	Y	N/A
2314	1,3,4	CONSTANT	2.400000E-01	2.400000E-01	2.400000E-01	2.400000E-01	m^3/m^3	WPO30640	Y	N/A
2314	1,3,4	CONSTANT	2.400000E-01	2.400000E-01	2.400000E-01	2.400000E-01	m^3/m^3	WPO30994	Y	N/A
2314	1,3,4	CONSTANT	2.400000E-01	2.400000E-01	2.400000E-01	2.400000E-01	m^3/m^3	WPO35267	Y	N/A
2314	1,3,4	CONSTANT	2.400000E-01	2.400000E-01	2.400000E-01	2.400000E-01	m^3/m^3	WPO35597	Y	N/A
2314	1,3,4	CONSTANT	2.400000E-01	2.400000E-01	2.400000E-01	2.400000E-01	m^3/m^3	WPO36383	Y	N/A
2315	1,3	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO35597	Y	N/A
2315	1,3	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO36051	Y	N/A
2315	1,3	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO40514	Y	N/A
2316	3,5	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO30994	Y	N/A
2316	3,5	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO35597	Y	N/A
2316	3,5	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO40514	Y	N/A

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 454 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y	varies	2317	CLAY_BOT	Shaft Bottom Clay	PRMX_LOG	Log of intrinsic permeability, X-direction	31866	21-Feb-96	Y	1
Y	varies	2317	CLAY_BOT	Shaft Bottom Clay	PRMX_LOG	Log of intrinsic permeability, X-direction	31866	21-Feb-96	Y	1
Y	varies	2317	CLAY_BOT	Shaft Bottom Clay	PRMX_LOG	Log of intrinsic permeability, X-direction	31866	21-Feb-96	Y	1
Y	varies	2317	CLAY_BOT	Shaft Bottom Clay	PRMX_LOG	Log of intrinsic permeability, X-direction	31866	21-Feb-96	Y	1
Y	varies	2317	CLAY_BOT	Shaft Bottom Clay	PRMX_LOG	Log of intrinsic permeability, X-direction	31866	21-Feb-96	Y	1
Y	varies	2317	CLAY_BOT	Shaft Bottom Clay	PRMX_LOG	Log of intrinsic permeability, X-direction	31866	21-Feb-96	Y	1
Y		2318	CLAY_BOT	Shaft Bottom Clay	PRMY_LOG	Log of intrinsic permeability, Y-direction	31867	21-Feb-96	Y	1
Y		2318	CLAY_BOT	Shaft Bottom Clay	PRMY_LOG	Log of intrinsic permeability, Y-direction	31867	21-Feb-96	Y	1
Y		2318	CLAY_BOT	Shaft Bottom Clay	PRMY_LOG	Log of intrinsic permeability, Y-direction	31867	21-Feb-96	Y	1
Y		2318	CLAY_BOT	Shaft Bottom Clay	PRMY_LOG	Log of intrinsic permeability, Y-direction	31867	21-Feb-96	Y	1
Y		2318	CLAY_BOT	Shaft Bottom Clay	PRMY_LOG	Log of intrinsic permeability, Y-direction	31867	21-Feb-96	Y	1
Y		2318	CLAY_BOT	Shaft Bottom Clay	PRMY_LOG	Log of intrinsic permeability, Y-direction	31867	21-Feb-96	Y	1
Y		2319	CLAY_BOT	Shaft Bottom Clay	PRMZ_LOG	Log of intrinsic permeability, Z-direction	31868	21-Feb-96	Y	1
Y		2319	CLAY_BOT	Shaft Bottom Clay	PRMZ_LOG	Log of intrinsic permeability, Z-direction	31868	21-Feb-96	Y	1
Y		2319	CLAY_BOT	Shaft Bottom Clay	PRMZ_LOG	Log of intrinsic permeability, Z-direction	31868	21-Feb-96	Y	1
Y		2319	CLAY_BOT	Shaft Bottom Clay	PRMZ_LOG	Log of intrinsic permeability, Z-direction	31868	21-Feb-96	Y	1
Y		2319	CLAY_BOT	Shaft Bottom Clay	PRMZ_LOG	Log of intrinsic permeability, Z-direction	31868	21-Feb-96	Y	1
Y		2323	CLAY_BOT	Shaft Bottom Clay	RELP_MOD	Model number, relative permeability model	31872	03-Nov-95	Y	4B
Y		2323	CLAY_BOT	Shaft Bottom Clay	RELP_MOD	Model number, relative permeability model	31872	03-Nov-95	Y	4B
Y		2323	CLAY_BOT	Shaft Bottom Clay	RELP_MOD	Model number, relative permeability model	31872	03-Nov-95	Y	4B
Y		2323	CLAY_BOT	Shaft Bottom Clay	RELP_MOD	Model number, relative permeability model	31872	03-Nov-95	Y	4B
Y		2323	CLAY_BOT	Shaft Bottom Clay	RELP_MOD	Model number, relative permeability model	31872	03-Nov-95	Y	4B
Y	-26.58	2324	CLAY_BOT	Shaft Bottom Clay	SAT_IBRN	Initial Brine Saturation	31873	21-Feb-96	Y	4A
Y	-26.58	2324	CLAY_BOT	Shaft Bottom Clay	SAT_IBRN	Initial Brine Saturation	31873	21-Feb-96	Y	4A
Y	-26.58	2324	CLAY_BOT	Shaft Bottom Clay	SAT_IBRN	Initial Brine Saturation	31873	21-Feb-96	Y	4A
Y	-26.58	2324	CLAY_BOT	Shaft Bottom Clay	SAT_IBRN	Initial Brine Saturation	31873	21-Feb-96	Y	4A
Y	-26.58	2324	CLAY_BOT	Shaft Bottom Clay	SAT_IBRN	Initial Brine Saturation	31873	21-Feb-96	Y	4A
Y	-26.58	2324	CLAY_BOT	Shaft Bottom Clay	SAT_IBRN	Initial Brine Saturation	31873	21-Feb-96	Y	4A
Y	100	2325	CLAY_BOT	Shaft Bottom Clay	SAT_RBRN	Residual Brine Saturation	31874A	12-Apr-96	Y	4A
Y	100	2325	CLAY_BOT	Shaft Bottom Clay	SAT_RBRN	Residual Brine Saturation	31874A	12-Apr-96	Y	4A
Y	100	2325	CLAY_BOT	Shaft Bottom Clay	SAT_RBRN	Residual Brine Saturation	31874A	12-Apr-96	Y	4A
Y	100	2325	CLAY_BOT	Shaft Bottom Clay	SAT_RBRN	Residual Brine Saturation	31874A	12-Apr-96	Y	4A
Y	100	2325	CLAY_BOT	Shaft Bottom Clay	SAT_RBRN	Residual Brine Saturation	31874A	12-Apr-96	Y	4A
Y	100	2326	CLAY_BOT	Shaft Bottom Clay	SAT_RGAS	Residual Gas Saturation	31875	21-Feb-96	Y	1
Y	100	2326	CLAY_BOT	Shaft Bottom Clay	SAT_RGAS	Residual Gas Saturation	31875	21-Feb-96	Y	1
Y	100	2326	CLAY_BOT	Shaft Bottom Clay	SAT_RGAS	Residual Gas Saturation	31875	21-Feb-96	Y	1
Y	100	2326	CLAY_BOT	Shaft Bottom Clay	SAT_RGAS	Residual Gas Saturation	31875	21-Feb-96	Y	1
Y	100	2326	CLAY_BOT	Shaft Bottom Clay	SAT_RGAS	Residual Gas Saturation	31875	21-Feb-96	Y	1
Y	100	2326	CLAY_BOT	Shaft Bottom Clay	SAT_RGAS	Residual Gas Saturation	31875	21-Feb-96	Y	1
Y	50	2327	CL_L_T1	Lower Salado clay:0 to 10 years	CAP_MOD	Model number, capillary pressure model	31897A	02-Nov-95	Y	4B
Y	50	2327	CL_L_T1	Lower Salado clay:0 to 10 years	CAP_MOD	Model number, capillary pressure model	31897A	02-Nov-95	Y	4B

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
2317	1,3,4	TRIANGULAR	-1.8867000E+01	-1.8301000E+01	-2.1000000E+01	-1.7301000E+01	log(m^2)	WPO30994	Y&N	1
2317	1,3,4	TRIANGULAR	-1.8867000E+01	-1.8301000E+01	-2.1000000E+01	-1.7301000E+01	log(m^2)	WPO35267	Y&N	1
2317	1,3,4	TRIANGULAR	-1.8867000E+01	-1.8301000E+01	-2.1000000E+01	-1.7301000E+01	log(m^2)	WPO35268	Y&N	1
2317	1,3,4	TRIANGULAR	-1.8867000E+01	-1.8301000E+01	-2.1000000E+01	-1.7301000E+01	log(m^2)	WPO35597	Y&N	1
2317	1,3,4	TRIANGULAR	-1.8867000E+01	-1.8301000E+01	-2.1000000E+01	-1.7301000E+01	log(m^2)	WPO36383	Y&N	1
2317	1,3,4	TRIANGULAR	-1.8867000E+01	-1.8301000E+01	-2.1000000E+01	-1.7301000E+01	log(m^2)	WPO41558	Y&N	1
2318	1,3,4	TRIANGULAR	-1.8867000E+01	-1.8301000E+01	-2.1000000E+01	-1.7301000E+01	log(m^2)	WPO30994	Y&N	1
2318	1,3,4	TRIANGULAR	-1.8867000E+01	-1.8301000E+01	-2.1000000E+01	-1.7301000E+01	log(m^2)	WPO35267	Y&N	1
2318	1,3,4	TRIANGULAR	-1.8867000E+01	-1.8301000E+01	-2.1000000E+01	-1.7301000E+01	log(m^2)	WPO35268	Y&N	1
2318	1,3,4	TRIANGULAR	-1.8867000E+01	-1.8301000E+01	-2.1000000E+01	-1.7301000E+01	log(m^2)	WPO35597	Y&N	1
2318	1,3,4	TRIANGULAR	-1.8867000E+01	-1.8301000E+01	-2.1000000E+01	-1.7301000E+01	log(m^2)	WPO36383	Y&N	1
2318	1,3,4	TRIANGULAR	-1.8867000E+01	-1.8301000E+01	-2.1000000E+01	-1.7301000E+01	log(m^2)	WPO41558	Y&N	1
2319	1,3,4	TRIANGULAR	-1.8867000E+01	-1.8301000E+01	-2.1000000E+01	-1.7301000E+01	log(m^2)	WPO30994	Y&N	1
2319	1,3,4	TRIANGULAR	-1.8867000E+01	-1.8301000E+01	-2.1000000E+01	-1.7301000E+01	log(m^2)	WPO35267	Y&N	1
2319	1,3,4	TRIANGULAR	-1.8867000E+01	-1.8301000E+01	-2.1000000E+01	-1.7301000E+01	log(m^2)	WPO35268	Y&N	1
2319	1,3,4	TRIANGULAR	-1.8867000E+01	-1.8301000E+01	-2.1000000E+01	-1.7301000E+01	log(m^2)	WPO35597	Y&N	1
2319	1,3,4	TRIANGULAR	-1.8867000E+01	-1.8301000E+01	-2.1000000E+01	-1.7301000E+01	log(m^2)	WPO36383	Y&N	1
2319	1,3,4	TRIANGULAR	-1.8867000E+01	-1.8301000E+01	-2.1000000E+01	-1.7301000E+01	log(m^2)	WPO41558	Y&N	1
2323	1,3,4	CONSTANT	4.0000000E+00	4.0000000E+00	4.0000000E+00	4.0000000E+00	NONE	WPO30994	Y	N/A
2323	1,3,4	CONSTANT	4.0000000E+00	4.0000000E+00	4.0000000E+00	4.0000000E+00	NONE	WPO35267	Y	N/A
2323	1,3,4	CONSTANT	4.0000000E+00	4.0000000E+00	4.0000000E+00	4.0000000E+00	NONE	WPO35597	Y	N/A
2323	1,3,4	CONSTANT	4.0000000E+00	4.0000000E+00	4.0000000E+00	4.0000000E+00	NONE	WPO36383	Y	N/A
2323	1,3,4	CONSTANT	4.0000000E+00	4.0000000E+00	4.0000000E+00	4.0000000E+00	NONE	WPO40514	Y	N/A
2324	1,3,4	CONSTANT	7.9000000E-01	7.9000000E-01	7.9000000E-01	7.9000000E-01	NONE	WPO30640	Y	N/A
2324	1,3,4	CONSTANT	7.9000000E-01	7.9000000E-01	7.9000000E-01	7.9000000E-01	NONE	WPO30994	Y	N/A
2324	1,3,4	CONSTANT	7.9000000E-01	7.9000000E-01	7.9000000E-01	7.9000000E-01	NONE	WPO35267	Y	N/A
2324	1,3,4	CONSTANT	7.9000000E-01	7.9000000E-01	7.9000000E-01	7.9000000E-01	NONE	WPO35597	Y	N/A
2324	1,3,4	CONSTANT	7.9000000E-01	7.9000000E-01	7.9000000E-01	7.9000000E-01	NONE	WPO36050	Y	N/A
2324	1,3,4	CONSTANT	7.9000000E-01	7.9000000E-01	7.9000000E-01	7.9000000E-01	NONE	WPO40434	Y	N/A
2325	1,3,4	CUMULATIVE	2.5000000E-01	2.0000000E-01	0.0000000E+00	6.0000000E-01	NONE	WPO30994	Y	N/A
2325	1,3,4	CUMULATIVE	2.5000000E-01	2.0000000E-01	0.0000000E+00	6.0000000E-01	NONE	WPO35267	Y	N/A
2325	1,3,4	CUMULATIVE	2.5000000E-01	2.0000000E-01	0.0000000E+00	6.0000000E-01	NONE	WPO35268	Y	N/A
2325	1,3,4	CUMULATIVE	2.5000000E-01	2.0000000E-01	0.0000000E+00	6.0000000E-01	NONE	WPO35597	Y	N/A
2325	1,3,4	CUMULATIVE	2.5000000E-01	2.0000000E-01	0.0000000E+00	6.0000000E-01	NONE	WPO41558	Y	N/A
2326	3,4	UNIFORM	2.0000000E-01	2.0000000E-01	0.0000000E+00	4.0000000E-01	NONE	WPO30994	Y	N/A
2326	3,4	UNIFORM	2.0000000E-01	2.0000000E-01	0.0000000E+00	4.0000000E-01	NONE	WPO35267	Y	N/A
2326	3,4	UNIFORM	2.0000000E-01	2.0000000E-01	0.0000000E+00	4.0000000E-01	NONE	WPO35268	Y	N/A
2326	3,4	UNIFORM	2.0000000E-01	2.0000000E-01	0.0000000E+00	4.0000000E-01	NONE	WPO35597	Y	N/A
2326	3,4	UNIFORM	2.0000000E-01	2.0000000E-01	0.0000000E+00	4.0000000E-01	NONE	WPO36383	Y	N/A
2326	3,4	UNIFORM	2.0000000E-01	2.0000000E-01	0.0000000E+00	4.0000000E-01	NONE	WPO41558	Y	N/A
2327	1,3,4	CONSTANT	2.0000000E+00	2.0000000E+00	2.0000000E+00	2.0000000E+00	NONE	WPO30640	Y	N/A
2327	1,3,4	CONSTANT	2.0000000E+00	2.0000000E+00	2.0000000E+00	2.0000000E+00	NONE	WPO30994	Y	N/A

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 464 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y	50	2327	CL_L_T1	Lower Salado clay:0 to 10 years	CAP_MOD	Model number, capillary pressure model	31897A	02-Nov-95	Y	4B
Y	50	2327	CL_L_T1	Lower Salado clay:0 to 10 years	CAP_MOD	Model number, capillary pressure model	31897A	02-Nov-95	Y	4B
Y	50	2327	CL_L_T1	Lower Salado clay:0 to 10 years	CAP_MOD	Model number, capillary pressure model	31897A	02-Nov-95	Y	4B
Y		2328	CL_L_T1	Lower Salado clay:0 to 10 years	COMP_RCK	Bulk Compressibility	31899	13-Feb-96	Y	1
Y		2328	CL_L_T1	Lower Salado clay:0 to 10 years	COMP_RCK	Bulk Compressibility	31899	13-Feb-96	Y	1
Y		2328	CL_L_T1	Lower Salado clay:0 to 10 years	COMP_RCK	Bulk Compressibility	31899	13-Feb-96	Y	1
Y		2329	CL_L_T1	Lower Salado clay:0 to 10 years	PC_MAX	Maximum allowable capillary pressure	31903A	13-Feb-96	Y	4B
Y		2329	CL_L_T1	Lower Salado clay:0 to 10 years	PC_MAX	Maximum allowable capillary pressure	31903A	13-Feb-96	Y	4B
Y		2329	CL_L_T1	Lower Salado clay:0 to 10 years	PC_MAX	Maximum allowable capillary pressure	31903A	13-Feb-96	Y	4B
Y		2329	CL_L_T1	Lower Salado clay:0 to 10 years	PC_MAX	Maximum allowable capillary pressure	31903A	13-Feb-96	Y	4B
Y		2329	CL_L_T1	Lower Salado clay:0 to 10 years	PC_MAX	Maximum allowable capillary pressure	31903A	13-Feb-96	Y	4B
Y	varies	2330	CL_L_T1	Lower Salado clay:0 to 10 years	PORE_DIS	Brooks-Corey pore distribution parameter	31904	20-Feb-96	Y	1
Y	varies	2330	CL_L_T1	Lower Salado clay:0 to 10 years	PORE_DIS	Brooks-Corey pore distribution parameter	31904	20-Feb-96	Y	1
Y	varies	2330	CL_L_T1	Lower Salado clay:0 to 10 years	PORE_DIS	Brooks-Corey pore distribution parameter	31904	20-Feb-96	Y	1
Y	varies	2330	CL_L_T1	Lower Salado clay:0 to 10 years	PORE_DIS	Brooks-Corey pore distribution parameter	31904	20-Feb-96	Y	1
Y	varies	2330	CL_L_T1	Lower Salado clay:0 to 10 years	PORE_DIS	Brooks-Corey pore distribution parameter	31904	20-Feb-96	Y	1
Y		2331	CL_L_T1	Lower Salado clay:0 to 10 years	POROSITY	Effective porosity	31905	13-Feb-96	Y	1
Y		2331	CL_L_T1	Lower Salado clay:0 to 10 years	POROSITY	Effective porosity	31905	13-Feb-96	Y	1
Y		2331	CL_L_T1	Lower Salado clay:0 to 10 years	POROSITY	Effective porosity	31905	13-Feb-96	Y	1
Y		2332	CL_L_T1	Lower Salado clay:0 to 10 years	PO_MIN	Minimum brine pressure for capillary model KPC=3	31906	21-Feb-96	Y	4B
Y		2332	CL_L_T1	Lower Salado clay:0 to 10 years	PO_MIN	Minimum brine pressure for capillary model KPC=3	31906	21-Feb-96	Y	4B
Y		2332	CL_L_T1	Lower Salado clay:0 to 10 years	PO_MIN	Minimum brine pressure for capillary model KPC=3	31906	21-Feb-96	Y	4B
Y		2333	CL_L_T1	Lower Salado clay:0 to 10 years	PRESSURE	Brine far-field pore pressure	31907	20-Feb-96	Y	1
Y		2333	CL_L_T1	Lower Salado clay:0 to 10 years	PRESSURE	Brine far-field pore pressure	31907	20-Feb-96	-Y	1
Y	varies	2334	CL_L_T1	Lower Salado clay:0 to 10 years	PRMX_LOG	Log of intrinsic permeability, X-direction	31908	13-Feb-96	Y	1
Y	varies	2334	CL_L_T1	Lower Salado clay:0 to 10 years	PRMX_LOG	Log of intrinsic permeability, X-direction	31908	13-Feb-96	Y	1
Y	varies	2334	CL_L_T1	Lower Salado clay:0 to 10 years	PRMX_LOG	Log of intrinsic permeability, X-direction	31908	13-Feb-96	Y	1
Y	varies	2334	CL_L_T1	Lower Salado clay:0 to 10 years	PRMX_LOG	Log of intrinsic permeability, X-direction	31908	13-Feb-96	Y	1
Y		2335	CL_L_T1	Lower Salado clay:0 to 10 years	PRMY_LOG	Log of intrinsic permeability, Y-direction	31909	13-Feb-96	Y	1
Y		2335	CL_L_T1	Lower Salado clay:0 to 10 years	PRMY_LOG	Log of intrinsic permeability, Y-direction	31909	13-Feb-96	Y	1
Y		2335	CL_L_T1	Lower Salado clay:0 to 10 years	PRMY_LOG	Log of intrinsic permeability, Y-direction	31909	13-Feb-96	Y	1
Y		2335	CL_L_T1	Lower Salado clay:0 to 10 years	PRMY_LOG	Log of intrinsic permeability, Y-direction	31909	13-Feb-96	Y	1
Y		2335	CL_L_T1	Lower Salado clay:0 to 10 years	PRMY_LOG	Log of intrinsic permeability, Y-direction	31909	13-Feb-96	Y	1
Y		2336	CL_L_T1	Lower Salado clay:0 to 10 years	PRMZ_LOG	Log of intrinsic permeability, Z-direction	31910	13-Feb-96	Y	1

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
2327	1,3,4	CONSTANT	2.000000E+00	2.000000E+00	2.000000E+00	2.000000E+00	NONE	WPO35597	Y	N/A
2327	1,3,4	CONSTANT	2.000000E+00	2.000000E+00	2.000000E+00	2.000000E+00	NONE	WPO40486	Y	N/A
2327	1,3,4	CONSTANT	2.000000E+00	2.000000E+00	2.000000E+00	2.000000E+00	NONE	WPO40514	Y	N/A
2328	1,3,4	CONSTANT	1.590000E-09	1.590000E-09	1.590000E-09	1.590000E-09	Pa ⁻¹	WPO30640	Y	N/A
2328	1,3,4	CONSTANT	1.590000E-09	1.590000E-09	1.590000E-09	1.590000E-09	Pa ⁻¹	WPO30994	Y	N/A
2328	1,3,4	CONSTANT	1.590000E-09	1.590000E-09	1.590000E-09	1.590000E-09	Pa ⁻¹	WPO35597	Y	N/A
2329	3,5	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO30640	Y	N/A
2329	3,5	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO30994	Y	N/A
2329	3,5	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO35597	Y	N/A
2329	3,5	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO40486	Y	N/A
2329	3,5	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO40514	Y	N/A
2330	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO30640	Y	N/A
2330	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO30994	Y	N/A
2330	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO32287	Y	N/A
2330	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO35268	Y	N/A
2330	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO35597	Y	N/A
2330	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO41558	Y	N/A
2331	1,3,4	CONSTANT	2.400000E-01	2.400000E-01	2.400000E-01	2.400000E-01	m ³ /m ³	WPO30640	Y	N/A
2331	1,3,4	CONSTANT	2.400000E-01	2.400000E-01	2.400000E-01	2.400000E-01	m ³ /m ³	WPO30994	Y	N/A
2331	1,3,4	CONSTANT	2.400000E-01	2.400000E-01	2.400000E-01	2.400000E-01	m ³ /m ³	WPO35597	Y	N/A
2332	3,5	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO35597	Y	N/A
2332	3,5	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO36051	Y	N/A
2332	3,5	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO40514	Y	N/A
2333	3,5	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO35597	Y	N/A
2333	3,5	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO36058	-Y	N/A
2334	1,3,4	TRIANGULAR	-1.886700E+01	-1.830100E+01	-2.100000E+01	-1.730100E+01	log(m ²)	WPO30640	Y&N	1
2334	1,3,4	TRIANGULAR	-1.886700E+01	-1.830100E+01	-2.100000E+01	-1.730100E+01	log(m ²)	WPO30994	Y&N	1
2334	1,3,4	TRIANGULAR	-1.886700E+01	-1.830100E+01	-2.100000E+01	-1.730100E+01	log(m ²)	WPO35268	Y&N	1
2334	1,3,4	TRIANGULAR	-1.886700E+01	-1.830100E+01	-2.100000E+01	-1.730100E+01	log(m ²)	WPO35597	Y&N	1
2334	1,3,4	TRIANGULAR	-1.886700E+01	-1.830100E+01	-2.100000E+01	-1.730100E+01	log(m ²)	WPO41558	Y&N	1
2335	1,3,4	TRIANGULAR	-1.886700E+01	-1.830100E+01	-2.100000E+01	-1.730100E+01	log(m ²)	WPO30640	Y&N	1.
2335	1,3,4	TRIANGULAR	-1.886700E+01	-1.830100E+01	-2.100000E+01	-1.730100E+01	log(m ²)	WPO30994	Y&N	1
2335	1,3,4	TRIANGULAR	-1.886700E+01	-1.830100E+01	-2.100000E+01	-1.730100E+01	log(m ²)	WPO35268	Y&N	1
2335	1,3,4	TRIANGULAR	-1.886700E+01	-1.830100E+01	-2.100000E+01	-1.730100E+01	log(m ²)	WPO35597	Y&N	1
2335	1,3,4	TRIANGULAR	-1.886700E+01	-1.830100E+01	-2.100000E+01	-1.730100E+01	log(m ²)	WPO41558	Y&N	1
2336	1,3,4	TRIANGULAR	-1.886700E+01	-1.830100E+01	-2.100000E+01	-1.730100E+01	log(m ²)	WPO30640	Y&N	1

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 464 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		2336	CL_L_T1	Lower Salado clay:0 to 10 years	PRMZ_LOG	Log of intrinsic permeability, Z-direction	31910	13-Feb-96	Y	1
Y		2336	CL_L_T1	Lower Salado clay:0 to 10 years	PRMZ_LOG	Log of intrinsic permeability, Z-direction	31910	13-Feb-96	Y	1
Y		2336	CL_L_T1	Lower Salado clay:0 to 10 years	PRMZ_LOG	Log of intrinsic permeability, Z-direction	31910	13-Feb-96	Y	1
Y		2336	CL_L_T1	Lower Salado clay:0 to 10 years	PRMZ_LOG	Log of intrinsic permeability, Z-direction	31910	13-Feb-96	Y	1
Y		2340	CL_L_T1	Lower Salado clay:0 to 10 years	RELP_MOD	Model number, relative permeability model	31915A	26-Oct-95	Y	4B
Y		2340	CL_L_T1	Lower Salado clay:0 to 10 years	RELP_MOD	Model number, relative permeability model	31915A	26-Oct-95	Y	4B
Y		2340	CL_L_T1	Lower Salado clay:0 to 10 years	RELP_MOD	Model number, relative permeability model	31915A	26-Oct-95	Y	4B
Y		2340	CL_L_T1	Lower Salado clay:0 to 10 years	RELP_MOD	Model number, relative permeability model	31915A	26-Oct-95	Y	4B
Y		2340	CL_L_T1	Lower Salado clay:0 to 10 years	RELP_MOD	Model number, relative permeability model	31915A	26-Oct-95	Y	4B
Y	-26.58	2341	CL_L_T1	Lower Salado clay:0 to 10 years	SAT_IBRN	Initial Brine Saturation	31920	13-Feb-96	Y	1
Y	-26.58	2341	CL_L_T1	Lower Salado clay:0 to 10 years	SAT_IBRN	Initial Brine Saturation	31920	13-Feb-96	Y	1
Y	-26.58	2341	CL_L_T1	Lower Salado clay:0 to 10 years	SAT_IBRN	Initial Brine Saturation	31920	13-Feb-96	Y	1
Y	-26.58	2341	CL_L_T1	Lower Salado clay:0 to 10 years	SAT_IBRN	Initial Brine Saturation	31920	13-Feb-96	Y	1
Y	100	2342	CL_L_T1	Lower Salado clay:0 to 10 years	SAT_RBRN	Residual Brine Saturation	31921	13-Feb-96	Y	1
Y	100	2342	CL_L_T1	Lower Salado clay:0 to 10 years	SAT_RBRN	Residual Brine Saturation	31921	13-Feb-96	Y	1
Y	100	2342	CL_L_T1	Lower Salado clay:0 to 10 years	SAT_RBRN	Residual Brine Saturation	31921	13-Feb-96	Y	1
Y	100	2342	CL_L_T1	Lower Salado clay:0 to 10 years	SAT_RBRN	Residual Brine Saturation	31921	13-Feb-96	Y	1
Y	100	2342	CL_L_T1	Lower Salado clay:0 to 10 years	SAT_RBRN	Residual Brine Saturation	31921	13-Feb-96	Y	1
Y	100	2342	CL_L_T1	Lower Salado clay:0 to 10 years	SAT_RBRN	Residual Brine Saturation	31921	13-Feb-96	Y	1
Y	100	2343	CL_L_T1	Lower Salado clay:0 to 10 years	SAT_RGAS	Residual Gas Saturation	31922	13-Feb-96	Y	1
Y	100	2343	CL_L_T1	Lower Salado clay:0 to 10 years	SAT_RGAS	Residual Gas Saturation	31922	13-Feb-96	Y	1
Y	100	2343	CL_L_T1	Lower Salado clay:0 to 10 years	SAT_RGAS	Residual Gas Saturation	31922	13-Feb-96	Y	1
Y	100	2343	CL_L_T1	Lower Salado clay:0 to 10 years	SAT_RGAS	Residual Gas Saturation	31922	13-Feb-96	Y	1
Y	100	2343	CL_L_T1	Lower Salado clay:0 to 10 years	SAT_RGAS	Residual Gas Saturation	31922	13-Feb-96	Y	1
Y	50	2344	CL_L_T2	Lower Salado clay:10 to 25 years	CAP_MOD	Model number, capillary pressure model	31924A	14-Feb-96	-Y	4B
Y	50	2344	CL_L_T2	Lower Salado clay:10 to 25 years	CAP_MOD	Model number, capillary pressure model	31924A	14-Feb-96	Y	4B
Y	50	2344	CL_L_T2	Lower Salado clay:10 to 25 years	CAP_MOD	Model number, capillary pressure model	31924A	14-Feb-96	Y	4B
Y	50	2344	CL_L_T2	Lower Salado clay:10 to 25 years	CAP_MOD	Model number, capillary pressure model	31924A	14-Feb-96	Y	4B
Y	50	2344	CL_L_T2	Lower Salado clay:10 to 25 years	CAP_MOD	Model number, capillary pressure model	31924A	14-Feb-96	Y	4B
Y		2345	CL_L_T2	Lower Salado clay:10 to 25 years	COMP_RCK	Bulk Compressibility	31926	14-Feb-96	Y	1
Y		2345	CL_L_T2	Lower Salado clay:10 to 25 years	COMP_RCK	Bulk Compressibility	31926	14-Feb-96	Y	1
Y		2345	CL_L_T2	Lower Salado clay:10 to 25 years	COMP_RCK	Bulk Compressibility	31926	14-Feb-96	Y	1
Y		2346	CL_L_T2	Lower Salado clay:10 to 25 years	PC_MAX	Maximum allowable capillary pressure	31930A	14-Feb-96	Y	4B
Y		2346	CL_L_T2	Lower Salado clay:10 to 25 years	PC_MAX	Maximum allowable capillary pressure	31930A	14-Feb-96	Y	4B
Y		2346	CL_L_T2	Lower Salado clay:10 to 25 years	PC_MAX	Maximum allowable capillary pressure	31930A	14-Feb-96	Y	4B
Y		2346	CL_L_T2	Lower Salado clay:10 to 25 years	PC_MAX	Maximum allowable capillary pressure	31930A	14-Feb-96	Y	4B

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
2336	1,3,4	TRIANGULAR	-1.8867000E+01	-1.8301000E+01	-2.1000000E+01	-1.7301000E+01	log(m ²)	WPO30994	Y&N	1
2336	1,3,4	TRIANGULAR	-1.8867000E+01	-1.8301000E+01	-2.1000000E+01	-1.7301000E+01	log(m ²)	WPO35268	Y&N	1
2336	1,3,4	TRIANGULAR	-1.8867000E+01	-1.8301000E+01	-2.1000000E+01	-1.7301000E+01	log(m ²)	WPO35597	Y&N	1
2336	1,3,4	TRIANGULAR	-1.8867000E+01	-1.8301000E+01	-2.1000000E+01	-1.7301000E+01	log(m ²)	WPO41558	Y&N	1
2340	1,3,4	CONSTANT	4.0000000E+00	4.0000000E+00	4.0000000E+00	4.0000000E+00	NONE	WPO30640	Y	N/A
2340	1,3,4	CONSTANT	4.0000000E+00	4.0000000E+00	4.0000000E+00	4.0000000E+00	NONE	WPO30994	Y	N/A
2340	1,3,4	CONSTANT	4.0000000E+00	4.0000000E+00	4.0000000E+00	4.0000000E+00	NONE	WPO35597	Y	N/A
2340	1,3,4	CONSTANT	4.0000000E+00	4.0000000E+00	4.0000000E+00	4.0000000E+00	NONE	WPO40486	Y	N/A
2340	1,3,4	CONSTANT	4.0000000E+00	4.0000000E+00	4.0000000E+00	4.0000000E+00	NONE	WPO40514	Y	N/A
2341	1,3,4	CONSTANT	7.9000000E-01	7.9000000E-01	7.9000000E-01	7.9000000E-01	NONE	WPO30640	Y	N/A
2341	1,3,4	CONSTANT	7.9000000E-01	7.9000000E-01	7.9000000E-01	7.9000000E-01	NONE	WPO30994	Y	N/A
2341	1,3,4	CONSTANT	7.9000000E-01	7.9000000E-01	7.9000000E-01	7.9000000E-01	NONE	WPO35597	Y	N/A
2341	1,3,4	CONSTANT	7.9000000E-01	7.9000000E-01	7.9000000E-01	7.9000000E-01	NONE	WPO40434	Y	N/A
2342	3,4	CUMULATIVE	2.5000000E-01	2.0000000E-01	0.0000000E+00	6.0000000E-01	NONE	WPO30640	Y	N/A
2342	3,4	CUMULATIVE	2.5000000E-01	2.0000000E-01	0.0000000E+00	6.0000000E-01	NONE	WPO30994	Y	N/A
2342	3,4	CUMULATIVE	2.5000000E-01	2.0000000E-01	0.0000000E+00	6.0000000E-01	NONE	WPO35268	Y	N/A
2342	3,4	CUMULATIVE	2.5000000E-01	2.0000000E-01	0.0000000E+00	6.0000000E-01	NONE	WPO35597	Y	N/A
2342	3,4	CUMULATIVE	2.5000000E-01	2.0000000E-01	0.0000000E+00	6.0000000E-01	NONE	WPO41558	Y	N/A
2342	3,4	CUMULATIVE	2.5000000E-01	2.0000000E-01	0.0000000E+00	6.0000000E-01	NONE	WPO42751	Y	N/A
2343	3,4	UNIFORM	2.0000000E-01	2.0000000E-01	0.0000000E+00	4.0000000E-01	NONE	WPO30640	Y	N/A
2343	3,4	UNIFORM	2.0000000E-01	2.0000000E-01	0.0000000E+00	4.0000000E-01	NONE	WPO30994	Y	N/A
2343	3,4	UNIFORM	2.0000000E-01	2.0000000E-01	0.0000000E+00	4.0000000E-01	NONE	WPO35268	Y	N/A
2343	3,4	UNIFORM	2.0000000E-01	2.0000000E-01	0.0000000E+00	4.0000000E-01	NONE	WPO35597	Y	N/A
2343	3,4	UNIFORM	2.0000000E-01	2.0000000E-01	0.0000000E+00	4.0000000E-01	NONE	WPO41558	Y	N/A
2344	1,3,4	CONSTANT	2.0000000E+00	2.0000000E+00	2.0000000E+00	2.0000000E+00	NONE	WPO30640	-Y	N/A
2344	1,3,4	CONSTANT	2.0000000E+00	2.0000000E+00	2.0000000E+00	2.0000000E+00	NONE	WPO30994	Y	N/A
2344	1,3,4	CONSTANT	2.0000000E+00	2.0000000E+00	2.0000000E+00	2.0000000E+00	NONE	WPO35597	Y	N/A
2344	1,3,4	CONSTANT	2.0000000E+00	2.0000000E+00	2.0000000E+00	2.0000000E+00	NONE	WPO40486	Y	N/A
2344	1,3,4	CONSTANT	2.0000000E+00	2.0000000E+00	2.0000000E+00	2.0000000E+00	NONE	WPO40514	Y	N/A
2345	1,3,4	CONSTANT	1.5900000E-09	1.5900000E-09	1.5900000E-09	1.5900000E-09	Pa ⁻¹	WPO30640	Y	N/A
2345	1,3,4	CONSTANT	1.5900000E-09	1.5900000E-09	1.5900000E-09	1.5900000E-09	Pa ⁻¹	WPO30994	Y	N/A
2345	1,3,4	CONSTANT	1.5900000E-09	1.5900000E-09	1.5900000E-09	1.5900000E-09	Pa ⁻¹	WPO35597	Y	N/A
2346	1,3	CONSTANT	1.0000000E+08	1.0000000E+08	1.0000000E+08	1.0000000E+08	Pa	WPO30640	Y	N/A
2346	1,3	CONSTANT	1.0000000E+08	1.0000000E+08	1.0000000E+08	1.0000000E+08	Pa	WPO30994	Y	N/A
2346	1,3	CONSTANT	1.0000000E+08	1.0000000E+08	1.0000000E+08	1.0000000E+08	Pa	WPO35597	Y	N/A
2346	1,3	CONSTANT	1.0000000E+08	1.0000000E+08	1.0000000E+08	1.0000000E+08	Pa	WPO40486	Y	N/A

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 464 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		2346	CL_L_T2	Lower Salado clay:10 to 25 years	PC_MAX	Maximum allowable capillary pressure	31930A	14-Feb-96	Y	4B
Y	varies	2347	CL_L_T2	Lower Salado clay:10 to 25 years	PORE_DIS	Brooks-Corey pore distribution parameter	31931	20-Feb-96	Y	1
Y	varies	2347	CL_L_T2	Lower Salado clay:10 to 25 years	PORE_DIS	Brooks-Corey pore distribution parameter	31931	20-Feb-96	Y	1
Y	varies	2347	CL_L_T2	Lower Salado clay:10 to 25 years	PORE_DIS	Brooks-Corey pore distribution parameter	31931	20-Feb-96	Y	1
Y	varies	2347	CL_L_T2	Lower Salado clay:10 to 25 years	PORE_DIS	Brooks-Corey pore distribution parameter	31931	20-Feb-96	Y	1
Y	varies	2347	CL_L_T2	Lower Salado clay:10 to 25 years	PORE_DIS	Brooks-Corey pore distribution parameter	31931	20-Feb-96	Y	1
Y	varies	2347	CL_L_T2	Lower Salado clay:10 to 25 years	PORE_DIS	Brooks-Corey pore distribution parameter	31931	20-Feb-96	Y	1
Y		2348	CL_L_T2	Lower Salado clay:10 to 25 years	POROSITY	Effective porosity	31932	14-Feb-96	Y	1
Y		2348	CL_L_T2	Lower Salado clay:10 to 25 years	POROSITY	Effective porosity	31932	14-Feb-96	Y	1
Y		2348	CL_L_T2	Lower Salado clay:10 to 25 years	POROSITY	Effective porosity	31932	14-Feb-96	Y	1
Y		2349	CL_L_T2	Lower Salado clay:10 to 25 years	PO_MIN	Minimum brine pressure for capillary model KPC=3	31933	21-Feb-96	Y	4B
Y		2349	CL_L_T2	Lower Salado clay:10 to 25 years	PO_MIN	Minimum brine pressure for capillary model KPC=3	31933	21-Feb-96	Y	4B
Y		2349	CL_L_T2	Lower Salado clay:10 to 25 years	PO_MIN	Minimum brine pressure for capillary model KPC=3	31933	21-Feb-96	Y	4B
Y	varies	2351	CL_L_T2	Lower Salado clay:10 to 25 years	PRMX_LOG	Log of intrinsic permeability, X-direction	31935	14-Feb-96	Y	1
Y	varies	2351	CL_L_T2	Lower Salado clay:10 to 25 years	PRMX_LOG	Log of intrinsic permeability, X-direction	31935	14-Feb-96	Y	1
Y	varies	2351	CL_L_T2	Lower Salado clay:10 to 25 years	PRMX_LOG	Log of intrinsic permeability, X-direction	31935	14-Feb-96	Y	1
Y	varies	2351	CL_L_T2	Lower Salado clay:10 to 25 years	PRMX_LOG	Log of intrinsic permeability, X-direction	31935	14-Feb-96	Y	1
Y		2352	CL_L_T2	Lower Salado clay:10 to 25 years	PRMY_LOG	Log of intrinsic permeability, Y-direction	31936	14-Feb-96	Y	1
Y		2352	CL_L_T2	Lower Salado clay:10 to 25 years	PRMY_LOG	Log of intrinsic permeability, Y-direction	31936	14-Feb-96	Y	1
Y		2352	CL_L_T2	Lower Salado clay:10 to 25 years	PRMY_LOG	Log of intrinsic permeability, Y-direction	31936	14-Feb-96	Y	1
Y		2352	CL_L_T2	Lower Salado clay:10 to 25 years	PRMY_LOG	Log of intrinsic permeability, Y-direction	31936	14-Feb-96	Y	1
Y		2353	CL_L_T2	Lower Salado clay:10 to 25 years	PRMZ_LOG	Log of intrinsic permeability, Z-direction	31937	14-Feb-96	Y	1
Y		2353	CL_L_T2	Lower Salado clay:10 to 25 years	PRMZ_LOG	Log of intrinsic permeability, Z-direction	31937	14-Feb-96	-Y	1
Y		2353	CL_L_T2	Lower Salado clay:10 to 25 years	PRMZ_LOG	Log of intrinsic permeability, Z-direction	31937	14-Feb-96	Y	1
Y		2353	CL_L_T2	Lower Salado clay:10 to 25 years	PRMZ_LOG	Log of intrinsic permeability, Z-direction	31937	14-Feb-96	Y	1
Y		2357	CL_L_T2	Lower Salado clay:10 to 25 years	RELP_MOD	Model number, relative permeability model	31962A	14-Feb-96	Y	4B
Y		2357	CL_L_T2	Lower Salado clay:10 to 25 years	RELP_MOD	Model number, relative permeability model	31962A	14-Feb-96	Y	4B
Y		2357	CL_L_T2	Lower Salado clay:10 to 25 years	RELP_MOD	Model number, relative permeability model	31962A	14-Feb-96	Y	4B
Y		2357	CL_L_T2	Lower Salado clay:10 to 25 years	RELP_MOD	Model number, relative permeability model	31962A	14-Feb-96	Y	4B
Y		2357	CL_L_T2	Lower Salado clay:10 to 25 years	RELP_MOD	Model number, relative permeability model	31962A	14-Feb-96	Y	4B
Y	100	2359	CL_L_T2	Lower Salado clay:10 to 25 years	SAT_RBRN	Residual Brine Saturation	31969	14-Feb-96	Y	1
Y	100	2359	CL_L_T2	Lower Salado clay:10 to 25 years	SAT_RBRN	Residual Brine Saturation	31969	14-Feb-96	Y	1
Y	100	2359	CL_L_T2	Lower Salado clay:10 to 25 years	SAT_RBRN	Residual Brine Saturation	31969	14-Feb-96	Y	1

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
2346	1,3	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO40514	Y	N/A
2347	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO30640	Y	N/A
2347	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO30994	Y	N/A
2347	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO32287	Y	N/A
2347	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO35268	Y	N/A
2347	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO35597	Y	N/A
2347	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO41558	Y	N/A
2348	1,3,4	CONSTANT	2.400000E-01	2.400000E-01	2.400000E-01	2.400000E-01	m ³ /m ³	WPO30640	Y	N/A
2348	1,3,4	CONSTANT	2.400000E-01	2.400000E-01	2.400000E-01	2.400000E-01	m ³ /m ³	WPO30994	Y	N/A
2348	1,3,4	CONSTANT	2.400000E-01	2.400000E-01	2.400000E-01	2.400000E-01	m ³ /m ³	WPO35597	Y	N/A
2349	1,3	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO35597	Y	N/A
2349	1,3	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO36051	Y	N/A
2349	1,3	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO40514	Y	N/A
2351	1,3,4	TRIANGULAR	-1.886700E+01	-1.830100E+01	-2.100000E+01	-1.730100E+01	log(m ²)	WPO30640	Y&N	1
2351	1,3,4	TRIANGULAR	-1.886700E+01	-1.830100E+01	-2.100000E+01	-1.730100E+01	log(m ²)	WPO30994	Y&N	1
2351	1,3,4	TRIANGULAR	-1.886700E+01	-1.830100E+01	-2.100000E+01	-1.730100E+01	log(m ²)	WPO35268	Y&N	1
2351	1,3,4	TRIANGULAR	-1.886700E+01	-1.830100E+01	-2.100000E+01	-1.730100E+01	log(m ²)	WPO35597	Y&N	1
2351	1,3,4	TRIANGULAR	-1.886700E+01	-1.830100E+01	-2.100000E+01	-1.730100E+01	log(m ²)	WPO41558	Y&N	1
2352	1,3,4	TRIANGULAR	-1.886700E+01	-1.830100E+01	-2.100000E+01	-1.730100E+01	log(m ²)	WPO30640	Y&N	1
2352	1,3,4	TRIANGULAR	-1.886700E+01	-1.830100E+01	-2.100000E+01	-1.730100E+01	log(m ²)	WPO30994	Y&N	1
2352	1,3,4	TRIANGULAR	-1.886700E+01	-1.830100E+01	-2.100000E+01	-1.730100E+01	log(m ²)	WPO35268	Y&N	1
2352	1,3,4	TRIANGULAR	-1.886700E+01	-1.830100E+01	-2.100000E+01	-1.730100E+01	log(m ²)	WPO35597	Y&N	1
2352	1,3,4	TRIANGULAR	-1.886700E+01	-1.830100E+01	-2.100000E+01	-1.730100E+01	log(m ²)	WPO41558	Y&N	1
2353	1,3,4	TRIANGULAR	-1.886700E+01	-1.830100E+01	-2.100000E+01	-1.730100E+01	log(m ²)	WPO30640	Y&N	1
2353	1,3,4	TRIANGULAR	-1.886700E+01	-1.830100E+01	-2.100000E+01	-1.730100E+01	log(m ²)	WPO30994	Y&N	1
2353	1,3,4	TRIANGULAR	-1.886700E+01	-1.830100E+01	-2.100000E+01	-1.730100E+01	log(m ²)	WPO35268	Y&N	1
2353	1,3,4	TRIANGULAR	-1.886700E+01	-1.830100E+01	-2.100000E+01	-1.730100E+01	log(m ²)	WPO35597	Y&N	1
2353	1,3,4	TRIANGULAR	-1.886700E+01	-1.830100E+01	-2.100000E+01	-1.730100E+01	log(m ²)	WPO41558	Y&N	1
2357	1,3,4	CONSTANT	4.000000E+00	4.000000E+00	4.000000E+00	4.000000E+00	NONE	WPO30640	Y	N/A
2357	1,3,4	CONSTANT	4.000000E+00	4.000000E+00	4.000000E+00	4.000000E+00	NONE	WPO30994	Y	N/A
2357	1,3,4	CONSTANT	4.000000E+00	4.000000E+00	4.000000E+00	4.000000E+00	NONE	WPO35597	Y	N/A
2357	1,3,4	CONSTANT	4.000000E+00	4.000000E+00	4.000000E+00	4.000000E+00	NONE	WPO40486	Y	N/A
2357	1,3,4	CONSTANT	4.000000E+00	4.000000E+00	4.000000E+00	4.000000E+00	NONE	WPO40514	Y	N/A
2359	3,4	CUMULATIVE	2.500000E-01	2.000000E-01	0.000000E+00	6.000000E-01	NONE	WPO30640	Y	N/A
2359	3,4	CUMULATIVE	2.500000E-01	2.000000E-01	0.000000E+00	6.000000E-01	NONE	WPO30994	Y	N/A
2359	3,4	CUMULATIVE	2.500000E-01	2.000000E-01	0.000000E+00	6.000000E-01	NONE	WPO35268	Y	N/A

CCA Parameter-Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 454 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y	100	2359	CL_L_T2	Lower Salado clay:10 to 25 years	SAT_RBRN	Residual Brine Saturation	31969	14-Feb-96	Y	1
Y	100	2359	CL_L_T2	Lower Salado clay:10 to 25 years	SAT_RBRN	Residual Brine Saturation	31969	14-Feb-96	Y	1
Y	100	2359	CL_L_T2	Lower Salado clay:10 to 25 years	SAT_RBRN	Residual Brine Saturation	31969	14-Feb-96	Y	1
Y	100	2360	CL_L_T2	Lower Salado clay:10 to 25 years	SAT_RGAS	Residual Gas Saturation	31971	14-Feb-96	Y	1
Y	100	2360	CL_L_T2	Lower Salado clay:10 to 25 years	SAT_RGAS	Residual Gas Saturation	31971	14-Feb-96	Y	1
Y	100	2360	CL_L_T2	Lower Salado clay:10 to 25 years	SAT_RGAS	Residual Gas Saturation	31971	14-Feb-96	Y	1
Y	100	2360	CL_L_T2	Lower Salado clay:10 to 25 years	SAT_RGAS	Residual Gas Saturation	31971	14-Feb-96	Y	1
Y	100	2360	CL_L_T2	Lower Salado clay:10 to 25 years	SAT_RGAS	Residual Gas Saturation	31971	14-Feb-96	Y	1
Y	100	2360	CL_L_T2	Lower Salado clay:10 to 25 years	SAT_RGAS	Residual Gas Saturation	31971	14-Feb-96	Y	1
Y	50	2361	CL_L_T3	Lower Salado clay:25 to 50 years	CAP_MOD	Model number, capillary pressure model	31974A	14-Feb-96	Y	4B
Y	50	2361	CL_L_T3	Lower Salado clay:25 to 50 years	CAP_MOD	Model number, capillary pressure model	31974A	14-Feb-96	Y	4B
Y	50	2361	CL_L_T3	Lower Salado clay:25 to 50 years	CAP_MOD	Model number, capillary pressure model	31974A	14-Feb-96	Y	4B
Y	50	2361	CL_L_T3	Lower Salado clay:25 to 50 years	CAP_MOD	Model number, capillary pressure model	31974A	14-Feb-96	Y	4B
Y	50	2361	CL_L_T3	Lower Salado clay:25 to 50 years	CAP_MOD	Model number, capillary pressure model	31974A	14-Feb-96	Y	4B
Y		2362	CL_L_T3	Lower Salado clay:25 to 50 years	COMP_RCK	Bulk Compressibility	31976	14-Feb-96	Y	1
Y		2362	CL_L_T3	Lower Salado clay:25 to 50 years	COMP_RCK	Bulk Compressibility	31976	14-Feb-96	Y	1
Y		2362	CL_L_T3	Lower Salado clay:25 to 50 years	COMP_RCK	Bulk Compressibility	31976	14-Feb-96	Y	1
Y		2363	CL_L_T3	Lower Salado clay:25 to 50 years	PC_MAX	Maximum allowable capillary pressure	31981A	14-Feb-96	Y	4B
Y		2363	CL_L_T3	Lower Salado clay:25 to 50 years	PC_MAX	Maximum allowable capillary pressure	31981A	14-Feb-96	Y	4B
Y		2363	CL_L_T3	Lower Salado clay:25 to 50 years	PC_MAX	Maximum allowable capillary pressure	31981A	14-Feb-96	Y	4B
Y		2363	CL_L_T3	Lower Salado clay:25 to 50 years	PC_MAX	Maximum allowable capillary pressure	31981A	14-Feb-96	Y	4B
Y		2363	CL_L_T3	Lower Salado clay:25 to 50 years	PC_MAX	Maximum allowable capillary pressure	31981A	14-Feb-96	Y	4B
Y	varies	2364	CL_L_T3	Lower Salado clay:25 to 50 years	PORE_DIS	Brooks-Corey pore distribution parameter	31982	20-Feb-96	Y	1
Y	varies	2364	CL_L_T3	Lower Salado clay:25 to 50 years	PORE_DIS	Brooks-Corey pore distribution parameter	31982	20-Feb-96	Y	1
Y	varies	2364	CL_L_T3	Lower Salado clay:25 to 50 years	PORE_DIS	Brooks-Corey pore distribution parameter	31982	20-Feb-96	Y	1
Y	varies	2364	CL_L_T3	Lower Salado clay:25 to 50 years	PORE_DIS	Brooks-Corey pore distribution parameter	31982	20-Feb-96	-Y	1
Y	varies	2364	CL_L_T3	Lower Salado clay:25 to 50 years	PORE_DIS	Brooks-Corey pore distribution parameter	31982	20-Feb-96	Y	1
Y	varies	2364	CL_L_T3	Lower Salado clay:25 to 50 years	PORE_DIS	Brooks-Corey pore distribution parameter	31982	20-Feb-96	Y	1
Y		2365	CL_L_T3	Lower Salado clay:25 to 50 years	POROSITY	Effective porosity	31984	14-Feb-96	Y	1
Y		2365	CL_L_T3	Lower Salado clay:25 to 50 years	POROSITY	Effective porosity	31984	14-Feb-96	Y	1
Y		2365	CL_L_T3	Lower Salado clay:25 to 50 years	POROSITY	Effective porosity	31984	14-Feb-96	Y	1
Y		2366	CL_L_T3	Lower Salado clay:25 to 50 years	PO_MIN	Minimum brine pressure for capillary model KPC=3	31985	21-Feb-96	Y	4B
Y		2366	CL_L_T3	Lower Salado clay:25 to 50 years	PO_MIN	Minimum brine pressure for capillary model KPC=3	31985	21-Feb-96	Y	4B
Y		2366	CL_L_T3	Lower Salado clay:25 to 50 years	PO_MIN	Minimum brine pressure for capillary model KPC=3	31985	21-Feb-96	Y	4B
Y	varies	2368	CL_L_T3	Lower Salado clay:25 to 50 years	PRMX_LOG	Log of intrinsic permeability, X-direction	31990	14-Feb-96	Y	1
Y	varies	2368	CL_L_T3	Lower Salado clay:25 to 50 years	PRMX_LOG	Log of intrinsic permeability, X-direction	31990	14-Feb-96	Y	1
Y	varies	2368	CL_L_T3	Lower Salado clay:25 to 50 years	PRMX_LOG	Log of intrinsic permeability, X-direction	31990	14-Feb-96	Y	1

CCA Parameter-Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
2359	3,4	CUMULATIVE	2.500000E-01	2.000000E-01	0.000000E+00	6.000000E-01	NONE	WPO35597	Y	N/A
2359	3,4	CUMULATIVE	2.500000E-01	2.000000E-01	0.000000E+00	6.000000E-01	NONE	WPO41558	Y	N/A
2359	3,4	CUMULATIVE	2.500000E-01	2.000000E-01	0.000000E+00	6.000000E-01	NONE	WPO42751	Y	N/A
2360	3,4	UNIFORM	2.000000E-01	2.000000E-01	0.000000E+00	4.000000E-01	NONE	WPO30640	Y	N/A
2360	3,4	UNIFORM	2.000000E-01	2.000000E-01	0.000000E+00	4.000000E-01	NONE	WPO30994	Y	N/A
2360	3,4	UNIFORM	2.000000E-01	2.000000E-01	0.000000E+00	4.000000E-01	NONE	WPO35268	Y	N/A
2360	3,4	UNIFORM	2.000000E-01	2.000000E-01	0.000000E+00	4.000000E-01	NONE	WPO35597	Y	N/A
2360	3,4	UNIFORM	2.000000E-01	2.000000E-01	0.000000E+00	4.000000E-01	NONE	WPO41558	Y	N/A
2361	1,3,4	CONSTANT	2.000000E+00	2.000000E+00	2.000000E+00	2.000000E+00	NONE	WPO30640	Y	N/A
2361	1,3,4	CONSTANT	2.000000E+00	2.000000E+00	2.000000E+00	2.000000E+00	NONE	WPO30994	Y	N/A
2361	1,3,4	CONSTANT	2.000000E+00	2.000000E+00	2.000000E+00	2.000000E+00	NONE	WPO35597	Y	N/A
2361	1,3,4	CONSTANT	2.000000E+00	2.000000E+00	2.000000E+00	2.000000E+00	NONE	WPO40486	Y	N/A
2361	1,3,4	CONSTANT	2.000000E+00	2.000000E+00	2.000000E+00	2.000000E+00	NONE	WPO40514	Y	N/A
2362	1,3,4	CONSTANT	1.590000E-09	1.590000E-09	1.590000E-09	1.590000E-09	Pa ⁻¹	WPO30640	Y	N/A
2362	1,3,4	CONSTANT	1.590000E-09	1.590000E-09	1.590000E-09	1.590000E-09	Pa ⁻¹	WPO30994	Y	N/A
2362	1,3,4	CONSTANT	1.590000E-09	1.590000E-09	1.590000E-09	1.590000E-09	Pa ⁻¹	WPO35597	Y	N/A
2363	1,3	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO30640	Y	N/A
2363	1,3	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO30994	Y	N/A
2363	1,3	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO35597	Y	N/A
2363	1,3	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO40486	Y	N/A
2363	1,3	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO40514	Y	N/A
2364	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO30640	Y	N/A
2364	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO30994	Y	N/A
2364	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO32287	Y	N/A
2364	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO35268	-Y	N/A
2364	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO35597	Y	N/A
2364	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO41558	Y	N/A
2365	1,3,4	CONSTANT	2.400000E-01	2.400000E-01	2.400000E-01	2.400000E-01	m ³ /m ³	WPO30640	Y	N/A
2365	1,3,4	CONSTANT	2.400000E-01	2.400000E-01	2.400000E-01	2.400000E-01	m ³ /m ³	WPO30994	Y	N/A
2365	1,3,4	CONSTANT	2.400000E-01	2.400000E-01	2.400000E-01	2.400000E-01	m ³ /m ³	WPO35597	Y	N/A
2366	1,3	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO35597	Y	N/A
2366	1,3	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO36051	Y	N/A
2366	1,3	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO40514	Y	N/A
2368	1,3,4	TRIANGULAR	-1.886700E+01	-1.830100E+01	-2.100000E+01	-1.730100E+01	log(m ²)	WPO30640	Y&N	1
2368	1,3,4	TRIANGULAR	-1.886700E+01	-1.830100E+01	-2.100000E+01	-1.730100E+01	log(m ²)	WPO30994	Y&N	1
2368	1,3,4	TRIANGULAR	-1.886700E+01	-1.830100E+01	-2.100000E+01	-1.730100E+01	log(m ²)	WPO35268	Y&N	1

CCA Parameter Listing -

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 464 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y	varies	2368	CL_L_T3	Lower Salado clay:25 to 50 years	PRMX_LOG	Log of intrinsic permeability, X-direction	31990	14-Feb-96	Y	1
Y	varies	2368	CL_L_T3	Lower Salado clay:25 to 50 years	PRMX_LOG	Log of intrinsic permeability, X-direction	31990	14-Feb-96	Y	1
Y		2369	CL_L_T3	Lower Salado clay:25 to 50 years	PRMY_LOG	Log of intrinsic permeability, Y-direction	31992	14-Feb-96	Y	1
Y		2369	CL_L_T3	Lower Salado clay:25 to 50 years	PRMY_LOG	Log of intrinsic permeability, Y-direction	31992	14-Feb-96	Y	1
Y		2369	CL_L_T3	Lower Salado clay:25 to 50 years	PRMY_LOG	Log of intrinsic permeability, Y-direction	31992	14-Feb-96	Y	1
Y		2369	CL_L_T3	Lower Salado clay:25 to 50 years	PRMY_LOG	Log of intrinsic permeability, Y-direction	31992	14-Feb-96	Y	1
Y		2369	CL_L_T3	Lower Salado clay:25 to 50 years	PRMY_LOG	Log of intrinsic permeability, Y-direction	31992	14-Feb-96	Y	1
Y		2369	CL_L_T3	Lower Salado clay:25 to 50 years	PRMY_LOG	Log of intrinsic permeability, Y-direction	31992	14-Feb-96	Y	1
Y		2370	CL_L_T3	Lower Salado clay:25 to 50 years	PRMZ_LOG	Log of intrinsic permeability, Z-direction	31993	14-Feb-96	Y	1
Y		2370	CL_L_T3	Lower Salado clay:25 to 50 years	PRMZ_LOG	Log of intrinsic permeability, Z-direction	31993	14-Feb-96	Y	1
Y		2370	CL_L_T3	Lower Salado clay:25 to 50 years	PRMZ_LOG	Log of intrinsic permeability, Z-direction	31993	14-Feb-96	Y	1
Y		2370	CL_L_T3	Lower Salado clay:25 to 50 years	PRMZ_LOG	Log of intrinsic permeability, Z-direction	31993	14-Feb-96	Y	1
Y		2370	CL_L_T3	Lower Salado clay:25 to 50 years	PRMZ_LOG	Log of intrinsic permeability, Z-direction	31993	14-Feb-96	Y	1
Y		2370	CL_L_T3	Lower Salado clay:25 to 50 years	PRMZ_LOG	Log of intrinsic permeability, Z-direction	31993	14-Feb-96	Y	1
Y		2374	CL_L_T3	Lower Salado clay:25 to 50 years	REL_P_MOD	Model number, relative permeability model	31998A	14-Feb-96	Y	4B
Y		2374	CL_L_T3	Lower Salado clay:25 to 50 years	REL_P_MOD	Model number, relative permeability model	31998A	14-Feb-96	Y	4B
Y		2374	CL_L_T3	Lower Salado clay:25 to 50 years	REL_P_MOD	Model number, relative permeability model	31998A	14-Feb-96	Y	4B
Y		2374	CL_L_T3	Lower Salado clay:25 to 50 years	REL_P_MOD	Model number, relative permeability model	31998A	14-Feb-96	Y	4B
Y		2374	CL_L_T3	Lower Salado clay:25 to 50 years	REL_P_MOD	Model number, relative permeability model	31998A	14-Feb-96	Y	4B
Y	100	2376	CL_L_T3	Lower Salado clay:25 to 50 years	SAT_RBRN	Residual Brine Saturation	32004	14-Feb-96	Y	1
Y	100	2376	CL_L_T3	Lower Salado clay:25 to 50 years	SAT_RBRN	Residual Brine Saturation	32004	14-Feb-96	Y	1
Y	100	2376	CL_L_T3	Lower Salado clay:25 to 50 years	SAT_RBRN	Residual Brine Saturation	32004	14-Feb-96	Y	1
Y	100	2376	CL_L_T3	Lower Salado clay:25 to 50 years	SAT_RBRN	Residual Brine Saturation	32004	14-Feb-96	Y	1
Y	100	2376	CL_L_T3	Lower Salado clay:25 to 50 years	SAT_RBRN	Residual Brine Saturation	32004	14-Feb-96	Y	1
Y	100	2376	CL_L_T3	Lower Salado clay 25 to 50 years	SAT_RBRN	Residual Brine Saturation	32004	14-Feb-96	Y	1
Y	100	2377	CL_L_T3	Lower Salado clay 25 to 50 years	SAT_RGAS	Residual Gas Saturation	32005	14-Feb-96	Y	1
Y	100	2377	CL_L_T3	Lower Salado clay 25 to 50 years	SAT_RGAS	Residual Gas Saturation	32005	14-Feb-96	Y	1
Y	100	2377	CL_L_T3	Lower Salado clay 25 to 50 years	SAT_RGAS	Residual Gas Saturation	32005	14-Feb-96	Y	1
Y	100	2377	CL_L_T3	Lower Salado clay 25 to 50 years	SAT_RGAS	Residual Gas Saturation	32005	14-Feb-96	Y	1
Y	100	2377	CL_L_T3	Lower Salado clay 25 to 50 years	SAT_RGAS	Residual Gas Saturation	32005	14-Feb-96	Y	1
Y	50	2378	CL_M_T1	Upper Salado clay 0 to 10 years	CAP_MOD	Model number capillary pressure model	32028A	15-Feb-96	Y	4B
Y	50	2378	CL_M_T1	Upper Salado clay 0 to 10 years	CAP_MOD	Model number capillary pressure model	32028A	15-Feb-96	Y	4B
Y	50	2378	CL_M_T1	Upper Salado clay 0 to 10 years	CAP_MOD	Model number capillary pressure model	32028A	15-Feb-96	Y	4B
Y	50	2378	CL_M_T1	Upper Salado clay 0 to 10 years	CAP_MOD	Model number capillary pressure model	32028A	15-Feb-96	Y	4B
Y	50	2378	CL_M_T1	Upper Salado clay 0 to 10 years	CAP_MOD	Model number capillary pressure model	32028A	15-Feb-96	Y	4B
Y		2379	CL_M_T1	Upper Salado clay 0 to 10 years	COMP_RCK	Bulk Compressibility	32039	15-Feb-96	Y	1
Y		2379	CL_M_T1	Upper Salado clay 0 to 10 years	COMP_RCK	Bulk Compressibility	32039	15-Feb-96	Y	1
Y		2379	CL_M_T1	Upper Salado clay 0 to 10 years	COMP_RCK	Bulk Compressibility	32039	15-Feb-96	Y	1

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
2368	1,3,4	TRIANGULAR	-1.8867000E+01	-1.8301000E+01	-2.1000000E+01	-1.7301000E+01	log(m ²)	WPO35597	Y&N	1
2368	1,3,4	TRIANGULAR	-1.8867000E+01	-1.8301000E+01	-2.1000000E+01	-1.7301000E+01	log(m ²)	WPO41558	Y&N	1
2369	1,3,4	TRIANGULAR	-1.8867000E+01	-1.8301000E+01	-2.1000000E+01	-1.7301000E+01	log(m ²)	WPO30640	Y&N	1
2369	1,3,4	TRIANGULAR	-1.8867000E+01	-1.8301000E+01	-2.1000000E+01	-1.7301000E+01	log(m ²)	WPO30994	Y&N	1
2369	1,3,4	TRIANGULAR	-1.8867000E+01	-1.8301000E+01	-2.1000000E+01	-1.7301000E+01	log(m ²)	WPO35268	Y&N	1
2369	1,3,4	TRIANGULAR	-1.8867000E+01	-1.8301000E+01	-2.1000000E+01	-1.7301000E+01	log(m ²)	WPO35597	Y&N	1
2369	1,3,4	TRIANGULAR	-1.8867000E+01	-1.8301000E+01	-2.1000000E+01	-1.7301000E+01	log(m ²)	WPO41558	Y&N	1
2370	1,3,4	TRIANGULAR	-1.8867000E+01	-1.8301000E+01	-2.1000000E+01	-1.7301000E+01	log(m ²)	WPO30640	Y&N	1
2370	1,3,4	TRIANGULAR	-1.8867000E+01	-1.8301000E+01	-2.1000000E+01	-1.7301000E+01	log(m ²)	WPO30994	Y&N	1
2370	1,3,4	TRIANGULAR	-1.8867000E+01	-1.8301000E+01	-2.1000000E+01	-1.7301000E+01	log(m ²)	WPO35268	Y&N	1
2370	1,3,4	TRIANGULAR	-1.8867000E+01	-1.8301000E+01	-2.1000000E+01	-1.7301000E+01	log(m ²)	WPO35597	Y&N	1
2370	1,3,4	TRIANGULAR	-1.8867000E+01	-1.8301000E+01	-2.1000000E+01	-1.7301000E+01	log(m ²)	WPO41558	Y&N	1
2374	1,3,4	CONSTANT	4.0000000E+00	4.0000000E+00	4.0000000E+00	4.0000000E+00	NONE	WPO30640	Y	N/A
2374	1,3,4	CONSTANT	4.0000000E+00	4.0000000E+00	4.0000000E+00	4.0000000E+00	NONE	WPO30994	Y	N/A
2374	1,3,4	CONSTANT	4.0000000E+00	4.0000000E+00	4.0000000E+00	4.0000000E+00	NONE	WPO35597	-Y	N/A
2374	1,3,4	CONSTANT	4.0000000E+00	4.0000000E+00	4.0000000E+00	4.0000000E+00	NONE	WPO40486	Y	N/A
2374	1,3,4	CONSTANT	4.0000000E+00	4.0000000E+00	4.0000000E+00	4.0000000E+00	NONE	WPO40514	Y	N/A
2376	3,4	CUMULATIVE	2.5000000E-01	2.0000000E-01	0.0000000E+00	6.0000000E-01	NONE	WPO30640	Y	N/A
2376	3,4	CUMULATIVE	2.5000000E-01	2.0000000E-01	0.0000000E+00	6.0000000E-01	NONE	WPO30994	Y	N/A
2376	3,4	CUMULATIVE	2.5000000E-01	2.0000000E-01	0.0000000E+00	6.0000000E-01	NONE	WPO35268	Y	N/A
2376	3,4	CUMULATIVE	2.5000000E-01	2.0000000E-01	0.0000000E+00	6.0000000E-01	NONE	WPO35597	Y	N/A
2376	3,4	CUMULATIVE	2.5000000E-01	2.0000000E-01	0.0000000E+00	6.0000000E-01	NONE	WPO41558	Y	N/A
2376	3,4	CUMULATIVE	2.5000000E-01	2.0000000E-01	0.0000000E+00	6.0000000E-01	NONE	WPO42751	Y	N/A
2377	3,4	UNIFORM	2.0000000E-01	2.0000000E-01	0.0000000E+00	4.0000000E-01	NONE	WPO30640	Y	N/A
2377	3,4	UNIFORM	2.0000000E-01	2.0000000E-01	0.0000000E+00	4.0000000E-01	NONE	WPO30994	-Y	N/A
2377	3,4	UNIFORM	2.0000000E-01	2.0000000E-01	0.0000000E+00	4.0000000E-01	NONE	WPO35268	Y	N/A
2377	3,4	UNIFORM	2.0000000E-01	2.0000000E-01	0.0000000E+00	4.0000000E-01	NONE	WPO35597	Y	N/A
2377	3,4	UNIFORM	2.0000000E-01	2.0000000E-01	0.0000000E+00	4.0000000E-01	NONE	WPO41558	Y	N/A
2378	1,3,4	CONSTANT	2.0000000E+00	2.0000000E+00	2.0000000E+00	2.0000000E+00	NONE	WPO30640	Y	N/A
2378	1,3,4	CONSTANT	2.0000000E+00	2.0000000E+00	2.0000000E+00	2.0000000E+00	NONE	WPO30994	Y	N/A
2378	1,3,4	CONSTANT	2.0000000E+00	2.0000000E+00	2.0000000E+00	2.0000000E+00	NONE	WPO35597	Y	N/A
2378	1,3,4	CONSTANT	2.0000000E+00	2.0000000E+00	2.0000000E+00	2.0000000E+00	NONE	WPO40486	Y	N/A
2378	1,3,4	CONSTANT	2.0000000E+00	2.0000000E+00	2.0000000E+00	2.0000000E+00	NONE	WPO40514	Y	N/A
2379	1,3,4	CONSTANT	1.8100000E-09	1.8100000E-09	1.8100000E-09	1.8100000E-09	Pa ⁻¹	WPO30640	Y	N/A
2379	1,3,4	CONSTANT	1.8100000E-09	1.8100000E-09	1.8100000E-09	1.8100000E-09	Pa ⁻¹	WPO30994	Y	N/A
2379	1,3,4	CONSTANT	1.8100000E-09	1.8100000E-09	1.8100000E-09	1.8100000E-09	Pa ⁻¹	WPO35597	Y	N/A

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 484 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		2380	CL_M_T1	Upper Salado clay:0 to 10 years	PC_MAX	Maximum allowable capillary pressure	32043A	03-Nov-95	Y	4B
Y		2380	CL_M_T1	Upper Salado clay:0 to 10 years	PC_MAX	Maximum allowable capillary pressure	32043A	03-Nov-95	Y	4B
Y		2380	CL_M_T1	Upper Salado clay:0 to 10 years	PC_MAX	Maximum allowable capillary pressure	32043A	03-Nov-95	Y	4B
Y		2380	CL_M_T1	Upper Salado clay:0 to 10 years	PC_MAX	Maximum allowable capillary pressure	32043A	03-Nov-95	Y	4B
Y		2380	CL_M_T1	Upper Salado clay:0 to 10 years	PC_MAX	Maximum allowable capillary pressure	32043A	03-Nov-95	Y	4B
Y	varies	2381	CL_M_T1	Upper Salado clay:0 to 10 years	PORE_DIS	Brooks-Corey pore distribution parameter	32044	20-Feb-96	Y	1
Y	varies	2381	CL_M_T1	Upper Salado clay:0 to 10 years	PORE_DIS	Brooks-Corey pore distribution parameter	32044	20-Feb-96	Y	1
Y	varies	2381	CL_M_T1	Upper Salado clay:0 to 10 years	PORE_DIS	Brooks-Corey pore distribution parameter	32044	20-Feb-96	Y	1
Y	varies	2381	CL_M_T1	Upper Salado clay:0 to 10 years	PORE_DIS	Brooks-Corey pore distribution parameter	32044	20-Feb-96	Y	1
Y	varies	2381	CL_M_T1	Upper Salado clay:0 to 10 years	PORE_DIS	Brooks-Corey pore distribution parameter	32044	20-Feb-96	Y	1
Y	varies	2381	CL_M_T1	Upper Salado clay:0 to 10 years	PORE_DIS	Brooks-Corey pore distribution parameter	32044	20-Feb-96	Y	1
Y		2382	CL_M_T1	Upper Salado clay:0 to 10 years	POROSITY	Effective porosity	32045	15-Feb-96	Y	1
Y		2382	CL_M_T1	Upper Salado clay:0 to 10 years	POROSITY	Effective porosity	32045	15-Feb-96	Y	1
Y		2382	CL_M_T1	Upper Salado clay:0 to 10 years	POROSITY	Effective porosity	32045	15-Feb-96	Y	1
Y		2383	CL_M_T1	Upper Salado clay:0 to 10 years	PO_MIN	Minimum brine pressure for capillary model KPC=3	32046	21-Feb-96	Y	4B
Y		2383	CL_M_T1	Upper Salado clay:0 to 10 years	PO_MIN	Minimum brine pressure for capillary model KPC=3	32046	21-Feb-96	Y	4B
Y		2383	CL_M_T1	Upper Salado clay:0 to 10 years	PO_MIN	Minimum brine pressure for capillary model KPC=3	32046	21-Feb-96	Y	4B
Y		2384	CL_M_T1	Upper Salado clay:0 to 10 years	PRESSURE	Brine far-field pore pressure	32047	20-Feb-96	Y	1
Y		2384	CL_M_T1	Upper Salado clay:0 to 10 years	PRESSURE	Brine far-field pore pressure	32047	20-Feb-96	Y	1
Y	varies	2385	CL_M_T1	Upper Salado clay:0 to 10 years	PRMX_LOG	Log of intrinsic permeability, X-direction	32048	15-Feb-96	Y	1
Y	varies	2385	CL_M_T1	Upper Salado clay:0 to 10 years	PRMX_LOG	Log of intrinsic permeability, X-direction	32048	15-Feb-96	Y	1
Y	varies	2385	CL_M_T1	Upper Salado clay:0 to 10 years	PRMX_LOG	Log of intrinsic permeability, X-direction	32048	15-Feb-96	Y	1
Y	varies	2385	CL_M_T1	Upper Salado clay:0 to 10 years	PRMX_LOG	Log of intrinsic permeability, X-direction	32048	15-Feb-96	Y	1
Y	varies	2385	CL_M_T1	Upper Salado clay:0 to 10 years	PRMX_LOG	Log of intrinsic permeability, X-direction	32048	15-Feb-96	Y	1
Y		2386	CL_M_T1	Upper Salado clay:0 to 10 years	PRMY_LOG	Log of intrinsic permeability, Y-direction	32049	15-Feb-96	Y	1
Y		2386	CL_M_T1	Upper Salado clay:0 to 10 years	PRMY_LOG	Log of intrinsic permeability, Y-direction	32049	15-Feb-96	Y	1
Y		2386	CL_M_T1	Upper Salado clay:0 to 10 years	PRMY_LOG	Log of intrinsic permeability, Y-direction	32049	15-Feb-96	Y	1
Y		2386	CL_M_T1	Upper Salado clay:0 to 10 years	PRMY_LOG	Log of intrinsic permeability, Y-direction	32049	15-Feb-96	Y	1
Y		2386	CL_M_T1	Upper Salado clay:0 to 10 years	PRMY_LOG	Log of intrinsic permeability, Y-direction	32049	15-Feb-96	Y	1
Y		2387	CL_M_T1	Upper Salado clay:0 to 10 years	PRMZ_LOG	Log of intrinsic permeability, Z-direction	32050	15-Feb-96	Y	1
Y		2387	CL_M_T1	Upper Salado clay:0 to 10 years	PRMZ_LOG	Log of intrinsic permeability, Z-direction	32050	15-Feb-96	Y	1
Y		2387	CL_M_T1	Upper Salado clay:0 to 10 years	PRMZ_LOG	Log of intrinsic permeability, Z-direction	32050	15-Feb-96	Y	1
Y		2387	CL_M_T1	Upper Salado clay:0 to 10 years	PRMZ_LOG	Log of intrinsic permeability, Z-direction	32050	15-Feb-96	Y	1
Y		2387	CL_M_T1	Upper Salado clay:0 to 10 years	PRMZ_LOG	Log of intrinsic permeability, Z-direction	32050	15-Feb-96	Y	1
Y		2391	CL_M_T1	Upper Salado clay:0 to 10 years	RELP_MOD	Model number, relative permeability model	32055A	15-Feb-96	Y	4B
Y		2391	CL_M_T1	Upper Salado clay:0 to 10 years	RELP_MOD	Model number, relative permeability model	32055A	15-Feb-96	Y	4B

CCA-Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
2380	1,3	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO30640	Y	N/A
2380	1,3	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO30994	Y	N/A
2380	1,3	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO35597	Y	N/A
2380	1,3	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO40486	Y	N/A
2380	1,3	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO40514	Y	N/A
2381	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO30640	Y	N/A
2381	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO30994	Y	N/A
2381	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO32287	Y	N/A
2381	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO35268	Y	N/A
2381	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO35597	Y	N/A
2381	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO41558	Y	N/A
2382	1,3,4	CONSTANT	2.400000E-01	2.400000E-01	2.400000E-01	2.400000E-01	m ³ /m ³	WPO30640	Y	N/A
2382	1,3,4	CONSTANT	2.400000E-01	2.400000E-01	2.400000E-01	2.400000E-01	m ³ /m ³	WPO30994	Y	N/A
2382	1,3,4	CONSTANT	2.400000E-01	2.400000E-01	2.400000E-01	2.400000E-01	m ³ /m ³	WPO35597	Y	N/A
2383	1,3	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO35597	Y	N/A
2383	1,3	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO36051	Y	N/A
2383	1,3	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO40514	Y	N/A
2384	3,5	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO35597	Y	N/A
2384	3,5	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO36058	Y	N/A
2385	1,3,4	TRIANGULAR	-1.886700E+01	-1.830100E+01	-2.100000E+01	-1.730100E+01	log(m ²)	WPO30640	Y&N	1
2385	1,3,4	TRIANGULAR	-1.886700E+01	-1.830100E+01	-2.100000E+01	-1.730100E+01	log(m ²)	WPO30994	Y&N	1
2385	1,3,4	TRIANGULAR	-1.886700E+01	-1.830100E+01	-2.100000E+01	-1.730100E+01	log(m ²)	WPO35268	Y&N	1
2385	1,3,4	TRIANGULAR	-1.886700E+01	-1.830100E+01	-2.100000E+01	-1.730100E+01	log(m ²)	WPO35597	Y&N	1
2385	1,3,4	TRIANGULAR	-1.886700E+01	-1.830100E+01	-2.100000E+01	-1.730100E+01	log(m ²)	WPO41558	Y&N	1
2386	1,3,4	TRIANGULAR	-1.886700E+01	-1.830100E+01	-2.100000E+01	-1.730100E+01	log(m ²)	WPO30640	Y&N	1
2386	1,3,4	TRIANGULAR	-1.886700E+01	-1.830100E+01	-2.100000E+01	-1.730100E+01	log(m ²)	WPO30994	Y&N	1
2386	1,3,4	TRIANGULAR	-1.886700E+01	-1.830100E+01	-2.100000E+01	-1.730100E+01	log(m ²)	WPO35268	Y&N	1
2386	1,3,4	TRIANGULAR	-1.886700E+01	-1.830100E+01	-2.100000E+01	-1.730100E+01	log(m ²)	WPO35597	Y&N	1
2386	1,3,4	TRIANGULAR	-1.886700E+01	-1.830100E+01	-2.100000E+01	-1.730100E+01	log(m ²)	WPO41558	Y&N	1
2387	1,3,4	TRIANGULAR	-1.886700E+01	-1.830100E+01	-2.100000E+01	-1.730100E+01	log(m ²)	WPO30640	Y&N	1
2387	1,3,4	TRIANGULAR	-1.886700E+01	-1.830100E+01	-2.100000E+01	-1.730100E+01	log(m ²)	WPO30994	Y&N	1
2387	1,3,4	TRIANGULAR	-1.886700E+01	-1.830100E+01	-2.100000E+01	-1.730100E+01	log(m ²)	WPO35268	Y&N	1
2387	1,3,4	TRIANGULAR	-1.886700E+01	-1.830100E+01	-2.100000E+01	-1.730100E+01	log(m ²)	WPO35597	Y&N	1
2387	1,3,4	TRIANGULAR	-1.886700E+01	-1.830100E+01	-2.100000E+01	-1.730100E+01	log(m ²)	WPO41558	Y&N	1
2391	1,3,4	CONSTANT	4.000000E+00	4.000000E+00	4.000000E+00	4.000000E+00	NONE	WPO30640	Y	N/A
2391	1,3,4	CONSTANT	4.000000E+00	4.000000E+00	4.000000E+00	4.000000E+00	NONE	WPO30994	Y	N/A

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 464 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		2391	CL_M_T1	Upper Salado clay:0 to 10 years	REL_P_MOD	Model number, relative permeability model	32055A	15-Feb-96	Y	4B
Y		2391	CL_M_T1	Upper Salado clay:0 to 10 years	REL_P_MOD	Model number, relative permeability model	32055A	15-Feb-96	Y	4B
Y		2391	CL_M_T1	Upper Salado clay:0 to 10 years	REL_P_MOD	Model number, relative permeability model	32055A	15-Feb-96	Y	4B
Y	-26.58	2392	CL_M_T1	Upper Salado clay:0 to 10 years	SAT_IBRN	Initial Brine Saturation	32060	15-Feb-96	Y	1
Y	-26.58	2392	CL_M_T1	Upper Salado clay:0 to 10 years	SAT_IBRN	Initial Brine Saturation	32060	15-Feb-96	Y	1
Y	-26.58	2392	CL_M_T1	Upper Salado clay:0 to 10 years	SAT_IBRN	Initial Brine Saturation	32060	15-Feb-96	Y	1
Y	-26.58	2392	CL_M_T1	Upper Salado clay:0 to 10 years	SAT_IBRN	Initial Brine Saturation	32060	15-Feb-96	Y	1
Y	100	2393	CL_M_T1	Upper Salado clay:0 to 10 years	SAT_RBRN	Residual Brine Saturation	32061	15-Feb-96	Y	1
Y	100	2393	CL_M_T1	Upper Salado clay:0 to 10 years	SAT_RBRN	Residual Brine Saturation	32061	15-Feb-96	Y	1
Y	100	2393	CL_M_T1	Upper Salado clay:0 to 10 years	SAT_RBRN	Residual Brine Saturation	32061	15-Feb-96	Y	1
Y	100	2393	CL_M_T1	Upper Salado clay:0 to 10 years	SAT_RBRN	Residual Brine Saturation	32061	15-Feb-96	Y	1
Y	100	2393	CL_M_T1	Upper Salado clay:0 to 10 years	SAT_RBRN	Residual Brine Saturation	32061	15-Feb-96	Y	1
Y	100	2393	CL_M_T1	Upper Salado clay:0 to 10 years	SAT_RBRN	Residual Brine Saturation	32061	15-Feb-96	Y	1
Y	100	2394	CL_M_T1	Upper Salado clay:0 to 10 years	SAT_RGAS	Residual Gas Saturation	32062	15-Feb-96	Y	1
Y	100	2394	CL_M_T1	Upper Salado clay:0 to 10 years	SAT_RGAS	Residual Gas Saturation	32062	15-Feb-96	Y	1
Y	100	2394	CL_M_T1	Upper Salado clay:0 to 10 years	SAT_RGAS	Residual Gas Saturation	32062	15-Feb-96	Y	1
Y	100	2394	CL_M_T1	Upper Salado clay:0 to 10 years	SAT_RGAS	Residual Gas Saturation	32062	15-Feb-96	Y	1
Y	100	2394	CL_M_T1	Upper Salado clay:0 to 10 years	SAT_RGAS	Residual Gas Saturation	32062	15-Feb-96	Y	1
Y	50	2395	CL_M_T2	Upper Salado clay:10 to 25 years	CAP_MOD	Model number, capillary pressure model	32064A	15-Feb-96	Y	4B
Y	50	2395	CL_M_T2	Upper Salado clay:10 to 25 years	CAP_MOD	Model number, capillary pressure model	32064A	15-Feb-96	Y	4B
Y	50	2395	CL_M_T2	Upper Salado clay:10 to 25 years	CAP_MOD	Model number, capillary pressure model	32064A	15-Feb-96	Y	4B
Y	50	2395	CL_M_T2	Upper Salado clay:10 to 25 years	CAP_MOD	Model number, capillary pressure model	32064A	15-Feb-96	Y	4B
Y	50	2395	CL_M_T2	Upper Salado clay:10 to 25 years	CAP_MOD	Model number, capillary pressure model	32064A	15-Feb-96	Y	4B
Y		2396	CL_M_T2	Upper Salado clay:10 to 25 years	COMP_RCK	Bulk Compressibility	32066	15-Feb-96	Y	1
Y		2396	CL_M_T2	Upper Salado clay:10 to 25 years	COMP_RCK	Bulk Compressibility	32066	15-Feb-96	--Y	1
Y		2396	CL_M_T2	Upper Salado clay:10 to 25 years	COMP_RCK	Bulk Compressibility	32066	15-Feb-96	Y	1
Y		2397	CL_M_T2	Upper Salado clay:10 to 25 years	PC_MAX	Maximum allowable capillary pressure	32118A	26-Oct-95	Y	4B
Y		2397	CL_M_T2	Upper Salado clay:10 to 25 years	PC_MAX	Maximum allowable capillary pressure	32118A	26-Oct-95	Y	4B
Y		2397	CL_M_T2	Upper Salado clay:10 to 25 years	PC_MAX	Maximum allowable capillary pressure	32118A	26-Oct-95	Y	4B
Y		2397	CL_M_T2	Upper Salado clay:10 to 25 years	PC_MAX	Maximum allowable capillary pressure	32118A	26-Oct-95	Y	4B
Y		2397	CL_M_T2	Upper Salado clay:10 to 25 years	PC_MAX	Maximum allowable capillary pressure	32118A	26-Oct-95	Y	4B
Y	varies	2398	CL_M_T2	Upper Salado clay:10 to 25 years	PORE_DIS	Brooks-Corey pore distribution parameter	32119	20-Feb-96	Y	1
Y	varies	2398	CL_M_T2	Upper Salado clay:10 to 25 years	PORE_DIS	Brooks-Corey pore distribution parameter	32119	20-Feb-96	Y	1
Y	varies	2398	CL_M_T2	Upper Salado clay:10 to 25 years	PORE_DIS	Brooks-Corey pore distribution parameter	32119	20-Feb-96	Y	1
Y	varies	2398	CL_M_T2	Upper Salado clay:10 to 25 years	PORE_DIS	Brooks-Corey pore distribution parameter	32119	20-Feb-96	Y	1
Y	varies	2398	CL_M_T2	Upper Salado clay:10 to 25 years	PORE_DIS	Brooks-Corey pore distribution parameter	32119	20-Feb-96	Y	1

CCA Parameter-Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
2391	1,3,4	CONSTANT	4.000000E+00	4.000000E+00	4.000000E+00	4.000000E+00	NONE	WPO35597	Y	N/A
2391	1,3,4	CONSTANT	4.000000E+00	4.000000E+00	4.000000E+00	4.000000E+00	NONE	WPO40486	Y	N/A
2391	1,3,4	CONSTANT	4.000000E+00	4.000000E+00	4.000000E+00	4.000000E+00	NONE	WPO40514	Y	N/A
2392	1,3,4	CONSTANT	7.900000E-01	7.900000E-01	7.900000E-01	7.900000E-01	NONE	WPO30640	Y	N/A
2392	1,3,4	CONSTANT	7.900000E-01	7.900000E-01	7.900000E-01	7.900000E-01	NONE	WPO30994	Y	N/A
2392	1,3,4	CONSTANT	7.900000E-01	7.900000E-01	7.900000E-01	7.900000E-01	NONE	WPO35597	Y	N/A
2392	1,3,4	CONSTANT	7.900000E-01	7.900000E-01	7.900000E-01	7.900000E-01	NONE	WPO40434	Y	N/A
2393	3,4	CUMULATIVE	2.500000E-01	2.000000E-01	0.000000E+00	6.000000E-01	NONE	WPO30640	Y	N/A
2393	3,4	CUMULATIVE	2.500000E-01	2.000000E-01	0.000000E+00	6.000000E-01	NONE	WPO30994	Y	N/A
2393	3,4	CUMULATIVE	2.500000E-01	2.000000E-01	0.000000E+00	6.000000E-01	NONE	WPO35268	Y	N/A
2393	3,4	CUMULATIVE	2.500000E-01	2.000000E-01	0.000000E+00	6.000000E-01	NONE	WPO35597	Y	N/A
2393	3,4	CUMULATIVE	2.500000E-01	2.000000E-01	0.000000E+00	6.000000E-01	NONE	WPO41558	Y	N/A
2393	3,4	CUMULATIVE	2.500000E-01	2.000000E-01	0.000000E+00	6.000000E-01	NONE	WPO42751	Y	N/A
2394	3,4	UNIFORM	2.000000E-01	2.000000E-01	0.000000E+00	4.000000E-01	NONE	WPO30640	Y	N/A
2394	3,4	UNIFORM	2.000000E-01	2.000000E-01	0.000000E+00	4.000000E-01	NONE	WPO30994	Y	N/A
2394	3,4	UNIFORM	2.000000E-01	2.000000E-01	0.000000E+00	4.000000E-01	NONE	WPO35268	Y	N/A
2394	3,4	UNIFORM	2.000000E-01	2.000000E-01	0.000000E+00	4.000000E-01	NONE	WPO35597	Y	N/A
2394	3,4	UNIFORM	2.000000E-01	2.000000E-01	0.000000E+00	4.000000E-01	NONE	WPO41558	Y	N/A
2395	1,3,4	CONSTANT	2.000000E+00	2.000000E+00	2.000000E+00	2.000000E+00	NONE	WPO30640	Y	N/A
2395	1,3,4	CONSTANT	2.000000E+00	2.000000E+00	2.000000E+00	2.000000E+00	NONE	WPO30994	Y	N/A
2395	1,3,4	CONSTANT	2.000000E+00	2.000000E+00	2.000000E+00	2.000000E+00	NONE	WPO35597	Y	N/A
2395	1,3,4	CONSTANT	2.000000E+00	2.000000E+00	2.000000E+00	2.000000E+00	NONE	WPO40486	Y	N/A
2395	1,3,4	CONSTANT	2.000000E+00	2.000000E+00	2.000000E+00	2.000000E+00	NONE	WPO40514	Y	N/A
2396	1,3,4	CONSTANT	1.810000E-09	1.810000E-09	1.810000E-09	1.810000E-09	Pa ⁻¹	WPO30640	Y	N/A
2396	1,3,4	CONSTANT	1.810000E-09	1.810000E-09	1.810000E-09	1.810000E-09	Pa ⁻¹	WPO30994	-Y	N/A
2396	1,3,4	CONSTANT	1.810000E-09	1.810000E-09	1.810000E-09	1.810000E-09	Pa ⁻¹	WPO35597	Y	N/A
2397	1,3	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO30640	Y	N/A
2397	1,3	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO30994	Y	N/A
2397	1,3	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO35597	Y	N/A
2397	1,3	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO40486	Y	N/A
2397	1,3	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO40514	Y	N/A
2398	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO30640	Y	N/A
2398	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO30994	Y	N/A
2398	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO32287	Y	N/A
2398	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO35268	Y	N/A
2398	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO35597	Y	N/A

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 484 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y	varies	2398	CL_M_T2	Upper Salado clay:10 to 25 years	PORE_DIS	Brooks-Corey pore distribution parameter	32119	20-Feb-96	Y	1
Y		2399	CL_M_T2	Upper Salado clay:10 to 25 years	POROSITY	Effective porosity	32120	15-Feb-96	Y	1
Y		2399	CL_M_T2	Upper Salado clay:10 to 25 years	POROSITY	Effective porosity	32120	15-Feb-96	Y	1
Y		2399	CL_M_T2	Upper Salado clay:10 to 25 years	POROSITY	Effective porosity	32120	15-Feb-96	Y	1
Y		2400	CL_M_T2	Upper Salado clay:10 to 25 years	PO_MIN	Minimum brine pressure for capillary model KPC=3	32121	21-Feb-96	Y	4B
Y		2400	CL_M_T2	Upper Salado clay:10 to 25 years	PO_MIN	Minimum brine pressure for capillary model KPC=3	32121	21-Feb-96	Y	4B
Y		2400	CL_M_T2	Upper Salado clay:10 to 25 years	PO_MIN	Minimum brine pressure for capillary model KPC=3	32121	21-Feb-96	Y	4B
Y	varies	2402	CL_M_T2	Upper Salado clay:10 to 25 years	PRMX_LOG	Log of intrinsic permeability, X-direction	32123	15-Feb-96	Y	1
Y	varies	2402	CL_M_T2	Upper Salado clay:10 to 25 years	PRMX_LOG	Log of intrinsic permeability, X-direction	32123	15-Feb-96	Y	1
Y	varies	2402	CL_M_T2	Upper Salado clay:10 to 25 years	PRMX_LOG	Log of intrinsic permeability, X-direction	32123	15-Feb-96	Y	1
Y	varies	2402	CL_M_T2	Upper Salado clay:10 to 25 years	PRMX_LOG	Log of intrinsic permeability, X-direction	32123	15-Feb-96	Y	1
Y		2403	CL_M_T2	Upper Salado clay:10 to 25 years	PRMY_LOG	Log of intrinsic permeability, Y-direction	32124	15-Feb-96	Y	1
Y		2403	CL_M_T2	Upper Salado clay:10 to 25 years	PRMY_LOG	Log of intrinsic permeability, Y-direction	32124	15-Feb-96	Y	1
Y		2403	CL_M_T2	Upper Salado clay:10 to 25 years	PRMY_LOG	Log of intrinsic permeability, Y-direction	32124	15-Feb-96	Y	1
Y		2403	CL_M_T2	Upper Salado clay:10 to 25 years	PRMY_LOG	Log of intrinsic permeability, Y-direction	32124	15-Feb-96	Y	1
Y		2403	CL_M_T2	Upper Salado clay:10 to 25 years	PRMY_LOG	Log of intrinsic permeability, Y-direction	32124	15-Feb-96	Y	1
Y		2404	CL_M_T2	Upper Salado clay:10 to 25 years	PRMZ_LOG	Log of intrinsic permeability, Z-direction	32125	15-Feb-96	Y	1
Y		2404	CL_M_T2	Upper Salado clay:10 to 25 years	PRMZ_LOG	Log of intrinsic permeability, Z-direction	32125	15-Feb-96	Y	1
Y		2404	CL_M_T2	Upper Salado clay:10 to 25 years	PRMZ_LOG	Log of intrinsic permeability, Z-direction	32125	15-Feb-96	Y	1
Y		2404	CL_M_T2	Upper Salado clay:10 to 25 years	PRMZ_LOG	Log of intrinsic permeability, Z-direction	32125	15-Feb-96	Y	1
Y		2404	CL_M_T2	Upper Salado clay:10 to 25 years	PRMZ_LOG	Log of intrinsic permeability, Z-direction	32125	15-Feb-96	Y	1
Y		2408	CL_M_T2	Upper Salado clay:10 to 25 years	RELP_MOD	Model number, relative permeability model	32130A	15-Feb-96	Y	4B
Y		2408	CL_M_T2	Upper Salado clay:10 to 25 years	RELP_MOD	Model number, relative permeability model	32130A	15-Feb-96	Y	4B
Y		2408	CL_M_T2	Upper Salado clay:10 to 25 years	RELP_MOD	Model number, relative permeability model	32130A	15-Feb-96	-Y	4B
Y		2408	CL_M_T2	Upper Salado clay:10 to 25 years	RELP_MOD	Model number, relative permeability model	32130A	15-Feb-96	Y	4B
Y		2408	CL_M_T2	Upper Salado clay:10 to 25 years	RELP_MOD	Model number, relative permeability model	32130A	15-Feb-96	Y	4B
Y	100	2410	CL_M_T2	Upper Salado clay:10 to 25 years	SAT_RBRN	Residual Brine Saturation	32136	15-Feb-96	Y	1
Y	100	2410	CL_M_T2	Upper Salado clay:10 to 25 years	SAT_RBRN	Residual Brine Saturation	32136	15-Feb-96	Y	1
Y	100	2410	CL_M_T2	Upper Salado clay:10 to 25 years	SAT_RBRN	Residual Brine Saturation	32136	15-Feb-96	Y	1
Y	100	2410	CL_M_T2	Upper Salado clay:10 to 25 years	SAT_RBRN	Residual Brine Saturation	32136	15-Feb-96	Y	1
Y	100	2410	CL_M_T2	Upper Salado clay:10 to 25 years	SAT_RBRN	Residual Brine Saturation	32136	15-Feb-96	Y	1
Y	100	2410	CL_M_T2	Upper Salado clay:10 to 25 years	SAT_RBRN	Residual Brine Saturation	32136	15-Feb-96	Y	1
Y	100	2411	CL_M_T2	Upper Salado clay:10 to 25 years	SAT_RGAS	Residual Gas Saturation	32137	15-Feb-96	Y	1
Y	100	2411	CL_M_T2	Upper Salado clay:10 to 25 years	SAT_RGAS	Residual Gas Saturation	32137	15-Feb-96	Y	1
Y	100	2411	CL_M_T2	Upper Salado clay:10 to 25 years	SAT_RGAS	Residual Gas Saturation	32137	15-Feb-96	Y	1

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ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
2398	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO41558	Y	N/A
2399	1,3,4	CONSTANT	2.400000E-01	2.400000E-01	2.400000E-01	2.400000E-01	m ³ /m ³	WPO30640	Y	N/A
2399	1,3,4	CONSTANT	2.400000E-01	2.400000E-01	2.400000E-01	2.400000E-01	m ³ /m ³	WPO30994	Y	N/A
2399	1,3,4	CONSTANT	2.400000E-01	2.400000E-01	2.400000E-01	2.400000E-01	m ³ /m ³	WPO35597	Y	N/A
2400	1,3	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO35597	Y	N/A
2400	1,3	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO36051 ₁	Y	N/A
2400	1,3	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO40514	Y	N/A
2402	1,3,4	TRIANGULAR	-1.886700E+01	-1.830100E+01	-2.100000E+01	-1.730100E+01	log(m ²)	WPO30640	Y&N	1
2402	1,3,4	TRIANGULAR	-1.886700E+01	-1.830100E+01	-2.100000E+01	-1.730100E+01	log(m ²)	WPO30994	Y&N	1
2402	1,3,4	TRIANGULAR	-1.886700E+01	-1.830100E+01	-2.100000E+01	-1.730100E+01	log(m ²)	WPO35268	Y&N	1
2402	1,3,4	TRIANGULAR	-1.886700E+01	-1.830100E+01	-2.100000E+01	-1.730100E+01	log(m ²)	WPO35597	Y&N	1
2402	1,3,4	TRIANGULAR	-1.886700E+01	-1.830100E+01	-2.100000E+01	-1.730100E+01	log(m ²)	WPO41558	Y&N	1
2403	1,3,4	TRIANGULAR	-1.886700E+01	-1.830100E+01	-2.100000E+01	-1.730100E+01	log(m ²)	WPO30640	Y&N	1
2403	1,3,4	TRIANGULAR	-1.886700E+01	-1.830100E+01	-2.100000E+01	-1.730100E+01	log(m ²)	WPO30994	Y&N	1
2403	1,3,4	TRIANGULAR	-1.886700E+01	-1.830100E+01	-2.100000E+01	-1.730100E+01	log(m ²)	WPO35268	Y&N	1
2403	1,3,4	TRIANGULAR	-1.886700E+01	-1.830100E+01	-2.100000E+01	-1.730100E+01	log(m ²)	WPO35597	Y&N	1
2403	1,3,4	TRIANGULAR	-1.886700E+01	-1.830100E+01	-2.100000E+01	-1.730100E+01	log(m ²)	WPO41558	Y&N	1
2404	1,3,4	TRIANGULAR	-1.886700E+01	-1.830100E+01	-2.100000E+01	-1.730100E+01	log(m ²)	WPO30640	Y&N	1
2404	1,3,4	TRIANGULAR	-1.886700E+01	-1.830100E+01	-2.100000E+01	-1.730100E+01	log(m ²)	WPO30994	Y&N	1
2404	1,3,4	TRIANGULAR	-1.886700E+01	-1.830100E+01	-2.100000E+01	-1.730100E+01	log(m ²)	WPO35268	Y&N	1
2404	1,3,4	TRIANGULAR	-1.886700E+01	-1.830100E+01	-2.100000E+01	-1.730100E+01	log(m ²)	WPO35597	Y&N	1
2404	1,3,4	TRIANGULAR	-1.886700E+01	-1.830100E+01	-2.100000E+01	-1.730100E+01	log(m ²)	WPO41558	Y&N	1
2408	1,3,4	CONSTANT	4.000000E+00	4.000000E+00	4.000000E+00	4.000000E+00	NONE	WPO30640	Y	N/A
2408	1,3,4	CONSTANT	4.000000E+00	4.000000E+00	4.000000E+00	4.000000E+00	NONE	WPO30994	Y	N/A
2408	1,3,4	CONSTANT	4.000000E+00	4.000000E+00	4.000000E+00	4.000000E+00	NONE	WPO35597	-Y	N/A
2408	1,3,4	CONSTANT	4.000000E+00	4.000000E+00	4.000000E+00	4.000000E+00	NONE	WPO40486	Y	N/A
2408	1,3,4	CONSTANT	4.000000E+00	4.000000E+00	4.000000E+00	4.000000E+00	NONE	WPO40514	Y	N/A
2410	3,4	CUMULATIVE	2.500000E-01	2.000000E-01	0.000000E+00	6.000000E-01	NONE	WPO30640	Y	N/A
2410	3,4	CUMULATIVE	2.500000E-01	2.000000E-01	0.000000E+00	6.000000E-01	NONE	WPO30994	Y	N/A
2410	3,4	CUMULATIVE	2.500000E-01	2.000000E-01	0.000000E+00	6.000000E-01	NONE	WPO35268	Y	N/A
2410	3,4	CUMULATIVE	2.500000E-01	2.000000E-01	0.000000E+00	6.000000E-01	NONE	WPO35597	Y	N/A
2410	3,4	CUMULATIVE	2.500000E-01	2.000000E-01	0.000000E+00	6.000000E-01	NONE	WPO41558	Y	N/A
2410	3,4	CUMULATIVE	2.500000E-01	2.000000E-01	0.000000E+00	6.000000E-01	NONE	WPO42751	Y	N/A
2411	3,4	UNIFORM	2.000000E-01	2.000000E-01	0.000000E+00	4.000000E-01	NONE	WPO30640	Y	N/A
2411	3,4	UNIFORM	2.000000E-01	2.000000E-01	0.000000E+00	4.000000E-01	NONE	WPO30994	Y	N/A
2411	3,4	UNIFORM	2.000000E-01	2.000000E-01	0.000000E+00	4.000000E-01	NONE	WPO35268	Y	N/A

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 444 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y	100	2411	CL_M_T2	Upper Salado clay:10 to 25 years	SAT_RGAS	Residual Gas Saturation	32137	15-Feb-96	Y	1
Y	100	2411	CL_M_T2	Upper Salado clay:10 to 25 years	SAT_RGAS	Residual Gas Saturation	32137	15-Feb-96	Y	1
Y	50	2412	CL_M_T3	Upper Salado clay:25 to 50 years	CAP_MOD	Model number, capillary pressure model	32139A	15-Feb-96	Y	4B
Y	50	2412	CL_M_T3	Upper Salado clay:25 to 50 years	CAP_MOD	Model number, capillary pressure model	32139A	15-Feb-96	Y	4B
Y	50	2412	CL_M_T3	Upper Salado clay:25 to 50 years	CAP_MOD	Model number, capillary pressure model	32139A	15-Feb-96	Y	4B
Y	50	2412	CL_M_T3	Upper Salado clay:25 to 50 years	CAP_MOD	Model number, capillary pressure model	32139A	15-Feb-96	Y	4B
Y	50	2412	CL_M_T3	Upper Salado clay:25 to 50 years	CAP_MOD	Model number, capillary pressure model	32139A	15-Feb-96	Y	4B
Y		2413	CL_M_T3	Upper Salado clay:25 to 50 years	COMP_RCK	Bulk Compressibility	32141	15-Feb-96	Y	1
Y		2413	CL_M_T3	Upper Salado clay:25 to 50 years	COMP_RCK	Bulk Compressibility	32141	15-Feb-96	Y	1
Y		2413	CL_M_T3	Upper Salado clay:25 to 50 years	COMP_RCK	Bulk Compressibility	32141	15-Feb-96	Y	1
Y		2414	CL_M_T3	Upper Salado clay:25 to 50 years	PC_MAX	Maximum allowable capillary pressure	32145A	26-Oct-95	Y	4B
Y		2414	CL_M_T3	Upper Salado clay:25 to 50 years	PC_MAX	Maximum allowable capillary pressure	32145A	26-Oct-95	Y	4B
Y		2414	CL_M_T3	Upper Salado clay:25 to 50 years	PC_MAX	Maximum allowable capillary pressure	32145A	26-Oct-95	Y	4B
Y		2414	CL_M_T3	Upper Salado clay:25 to 50 years	PC_MAX	Maximum allowable capillary pressure	32145A	26-Oct-95	Y	4B
Y		2414	CL_M_T3	Upper Salado clay:25 to 50 years	PC_MAX	Maximum allowable capillary pressure	32145A	26-Oct-95	Y	4B
Y	varies	2415	CL_M_T3	Upper Salado clay:25 to 50 years	PORE_DIS	Brooks-Corey pore distribution parameter	32146	20-Feb-96	Y	1
Y	varies	2415	CL_M_T3	Upper Salado clay:25 to 50 years	PORE_DIS	Brooks-Corey pore distribution parameter	32146	20-Feb-96	Y	1
Y	varies	2415	CL_M_T3	Upper Salado clay:25 to 50 years	PORE_DIS	Brooks-Corey pore distribution parameter	32146	20-Feb-96	Y	1
Y	varies	2415	CL_M_T3	Upper Salado clay:25 to 50 years	PORE_DIS	Brooks-Corey pore distribution parameter	32146	20-Feb-96	Y	1
Y	varies	2415	CL_M_T3	Upper Salado clay:25 to 50 years	PORE_DIS	Brooks-Corey pore distribution parameter	32146	20-Feb-96	Y	1
Y		2416	CL_M_T3	Upper Salado clay:25 to 50 years	POROSITY	Effective porosity	32148	15-Feb-96	Y	1
Y		2416	CL_M_T3	Upper Salado clay:25 to 50 years	POROSITY	Effective porosity	32148	15-Feb-96	Y	1
Y		2416	CL_M_T3	Upper Salado clay:25 to 50 years	POROSITY	Effective porosity	32148	15-Feb-96	Y	1
Y		2417	CL_M_T3	Upper Salado clay:25 to 50 years	PO_MIN	Minimum brine pressure for capillary model KPC=3	32150	21-Feb-96	-Y	4B
Y		2417	CL_M_T3	Upper Salado clay:25 to 50 years	PO_MIN	Minimum brine pressure for capillary model KPC=3	32150	21-Feb-96	Y	4B
Y		2417	CL_M_T3	Upper Salado clay:25 to 50 years	PO_MIN	Minimum brine pressure for capillary model KPC=3	32150	21-Feb-96	Y	4B
Y	varies	2419	CL_M_T3	Upper Salado clay:25 to 50 years	PRMX_LOG	Log of intrinsic permeability, X-direction	32155	15-Feb-96	Y	1
Y	varies	2419	CL_M_T3	Upper Salado clay:25 to 50 years	PRMX_LOG	Log of intrinsic permeability, X-direction	32155	15-Feb-96	Y	1
Y	varies	2419	CL_M_T3	Upper Salado clay:25 to 50 years	PRMX_LOG	Log of intrinsic permeability, X-direction	32155	15-Feb-96	Y	1
Y	varies	2419	CL_M_T3	Upper Salado clay:25 to 50 years	PRMX_LOG	Log of intrinsic permeability, X-direction	32155	15-Feb-96	Y	1
Y		2420	CL_M_T3	Upper Salado clay:25 to 50 years	PRMY_LOG	Log of intrinsic permeability, Y-direction	32156	15-Feb-96	Y	1
Y		2420	CL_M_T3	Upper Salado clay:25 to 50 years	PRMY_LOG	Log of intrinsic permeability, Y-direction	32156	15-Feb-96	Y	1
Y		2420	CL_M_T3	Upper Salado clay:25 to 50 years	PRMY_LOG	Log of intrinsic permeability, Y-direction	32156	15-Feb-96	Y	1
Y		2420	CL_M_T3	Upper Salado clay:25 to 50 years	PRMY_LOG	Log of intrinsic permeability, Y-direction	32156	15-Feb-96	Y	1

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to quality existing data? (footnote 3)
2411	3,4	UNIFORM	2.000000E-01	2.000000E-01	0.000000E+00	4.000000E-01	NONE	WPO35597	Y	N/A
2411	3,4	UNIFORM	2.000000E-01	2.000000E-01	0.000000E+00	4.000000E-01	NONE	WPO41558	Y	N/A
2412	1,3,4	CONSTANT	2.000000E+00	2.000000E+00	2.000000E+00	2.000000E+00	NONE	WPO30640	Y	N/A
2412	1,3,4	CONSTANT	2.000000E+00	2.000000E+00	2.000000E+00	2.000000E+00	NONE	WPO30994	Y	N/A
2412	1,3,4	CONSTANT	2.000000E+00	2.000000E+00	2.000000E+00	2.000000E+00	NONE	WPO35597	Y	N/A
2412	1,3,4	CONSTANT	2.000000E+00	2.000000E+00	2.000000E+00	2.000000E+00	NONE	WPO40486	Y	N/A
2412	1,3,4	CONSTANT	2.000000E+00	2.000000E+00	2.000000E+00	2.000000E+00	NONE	WPO40514	Y	N/A
2413	1,3,4	CONSTANT	1.810000E-09	1.810000E-09	1.810000E-09	1.810000E-09	Pa^-1	WPO30640	Y	N/A
2413	1,3,4	CONSTANT	1.810000E-09	1.810000E-09	1.810000E-09	1.810000E-09	Pa^-1	WPO30994	Y	N/A
2413	1,3,4	CONSTANT	1.810000E-09	1.810000E-09	1.810000E-09	1.810000E-09	Pa^-1	WPO35597	Y	N/A
2414	1,3	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO30640	Y	N/A
2414	1,3	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO30994	Y	N/A
2414	1,3	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO35597	Y	N/A
2414	1,3	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO40486	Y	N/A
2414	1,3	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO40514	Y	N/A
2415	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO30640	Y	N/A
2415	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO30994	Y	N/A
2415	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO32287	Y	N/A
2415	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO35268	Y	N/A
2415	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO35597	Y	N/A
2415	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO41558	Y	N/A
2416	1,3,4	CONSTANT	2.400000E-01	2.400000E-01	2.400000E-01	2.400000E-01	m^3/m^3	WPO30640	Y	N/A
2416	1,3,4	CONSTANT	2.400000E-01	2.400000E-01	2.400000E-01	2.400000E-01	m^3/m^3	WPO30994	Y	N/A
2416	1,3,4	CONSTANT	2.400000E-01	2.400000E-01	2.400000E-01	2.400000E-01	m^3/m^3	WPO35597	Y	N/A
2417	1,3	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO35597	Y	N/A
2417	1,3	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO36051	Y	N/A
2417	1,3	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO40514	Y	N/A
2419	1,3,4	TRIANGULAR	-1.886700E+01	-1.830100E+01	-2.100000E+01	-1.730100E+01	log(m^2)	WPO30640	Y&N	1
2419	1,3,4	TRIANGULAR	-1.886700E+01	-1.830100E+01	-2.100000E+01	-1.730100E+01	log(m^2)	WPO30994	Y&N	1
2419	1,3,4	TRIANGULAR	-1.886700E+01	-1.830100E+01	-2.100000E+01	-1.730100E+01	log(m^2)	WPO35268	Y&N	1
2419	1,3,4	TRIANGULAR	-1.886700E+01	-1.830100E+01	-2.100000E+01	-1.730100E+01	log(m^2)	WPO35597	Y&N	1
2419	1,3,4	TRIANGULAR	-1.886700E+01	-1.830100E+01	-2.100000E+01	-1.730100E+01	log(m^2)	WPO41558	Y&N	1
2420	1,3,4	TRIANGULAR	-1.886700E+01	-1.830100E+01	-2.100000E+01	-1.730100E+01	log(m^2)	WPO30640	Y&N	1
2420	1,3,4	TRIANGULAR	-1.886700E+01	-1.830100E+01	-2.100000E+01	-1.730100E+01	log(m^2)	WPO30994	Y&N	1
2420	1,3,4	TRIANGULAR	-1.886700E+01	-1.830100E+01	-2.100000E+01	-1.730100E+01	log(m^2)	WPO35268	Y&N	1
2420	1,3,4	TRIANGULAR	-1.886700E+01	-1.830100E+01	-2.100000E+01	-1.730100E+01	log(m^2)	WPO35597	Y&N	1

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 464 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		2420	CL_M_T3	Upper Salado clay:25 to 50 years	PRMY_LOG	Log of intrinsic permeability, Y-direction	32156	15-Feb-96	Y	1
Y		2421	CL_M_T3	Upper Salado clay:25 to 50 years	PRMZ_LOG	Log of intrinsic permeability, Z-direction	32157	15-Feb-96	Y	1
Y		2421	CL_M_T3	Upper Salado clay:25 to 50 years	PRMZ_LOG	Log of intrinsic permeability, Z-direction	32157	15-Feb-96	Y	1
Y		2421	CL_M_T3	Upper Salado clay:25 to 50 years	PRMZ_LOG	Log of intrinsic permeability, Z-direction	32157	15-Feb-96	Y	1
Y		2421	CL_M_T3	Upper Salado clay:25 to 50 years	PRMZ_LOG	Log of intrinsic permeability, Z-direction	32157	15-Feb-96	Y	1
Y		2421	CL_M_T3	Upper Salado clay:25 to 50 years	PRMZ_LOG	Log of intrinsic permeability, Z-direction	32157	15-Feb-96	Y	1
Y		2421	CL_M_T3	Upper Salado clay:25 to 50 years	PRMZ_LOG	Log of intrinsic permeability, Z-direction	32157	15-Feb-96	Y	1
Y		2425	CL_M_T3	Upper Salado clay:25 to 50 years	RELP_MOD	Model number, relative permeability model	32162A	15-Feb-96	Y	4B
Y		2425	CL_M_T3	Upper Salado clay:25 to 50 years	RELP_MOD	Model number, relative permeability model	32162A	15-Feb-96	Y	4B
Y		2425	CL_M_T3	Upper Salado clay:25 to 50 years	RELP_MOD	Model number, relative permeability model	32162A	15-Feb-96	Y	4B
Y		2425	CL_M_T3	Upper Salado clay:25 to 50 years	RELP_MOD	Model number, relative permeability model	32162A	15-Feb-96	Y	4B
Y		2425	CL_M_T3	Upper Salado clay:25 to 50 years	RELP_MOD	Model number, relative permeability model	32162A	15-Feb-96	Y	4B
Y	100	2427	CL_M_T3	Upper Salado clay:25 to 50 years	SAT_RBRN	Residual Brine Saturation	32168	15-Feb-96	Y	1
Y	100	2427	CL_M_T3	Upper Salado clay:25 to 50 years	SAT_RBRN	Residual Brine Saturation	32168	15-Feb-96	Y	1
Y	100	2427	CL_M_T3	Upper Salado clay:25 to 50 years	SAT_RBRN	Residual Brine Saturation	32168	15-Feb-96	Y	1
Y	100	2427	CL_M_T3	Upper Salado clay:25 to 50 years	SAT_RBRN	Residual Brine Saturation	32168	15-Feb-96	Y	1
Y	100	2427	CL_M_T3	Upper Salado clay:25 to 50 years	SAT_RBRN	Residual Brine Saturation	32168	15-Feb-96	Y	1
Y	100	2427	CL_M_T3	Upper Salado clay:25 to 50 years	SAT_RBRN	Residual Brine Saturation	32168	15-Feb-96	Y	1
Y	100	2428	CL_M_T3	Upper Salado clay:25 to 50 years	SAT_RGAS	Residual Gas Saturation	32169	15-Feb-96	Y	1
Y	100	2428	CL_M_T3	Upper Salado clay:25 to 50 years	SAT_RGAS	Residual Gas Saturation	32169	15-Feb-96	Y	1
Y	100	2428	CL_M_T3	Upper Salado clay:25 to 50 years	SAT_RGAS	Residual Gas Saturation	32169	15-Feb-96	Y	1
Y	100	2428	CL_M_T3	Upper Salado clay:25 to 50 years	SAT_RGAS	Residual Gas Saturation	32169	15-Feb-96	Y	1
Y	100	2428	CL_M_T3	Upper Salado clay:25 to 50 years	SAT_RGAS	Residual Gas Saturation	32169	15-Feb-96	Y	1
Y	50	2429	CL_M_T4	Upper Salado clay:50 to 100 years	CAP_MOD	Model number, capillary pressure model	32191A	02-Nov-95	Y	4B
Y	50	2429	CL_M_T4	Upper Salado clay:50 to 100 years	CAP_MOD	Model number, capillary pressure model	32191A	02-Nov-95	Y	4B
Y	50	2429	CL_M_T4	Upper Salado clay:50 to 100 years	CAP_MOD	Model number, capillary pressure model	32191A	02-Nov-95	-Y	4B
Y	50	2429	CL_M_T4	Upper Salado clay:50 to 100 years	CAP_MOD	Model number, capillary pressure model	32191A	02-Nov-95	Y	4B
Y	50	2429	CL_M_T4	Upper Salado clay:50 to 100 years	CAP_MOD	Model number, capillary pressure model	32191A	02-Nov-95	Y	4B
Y		2430	CL_M_T4	Upper Salado clay:50 to 100 years	COMP_RCK	Bulk Compressibility	32193	13-Feb-96	Y	1
Y		2430	CL_M_T4	Upper Salado clay:50 to 100 years	COMP_RCK	Bulk Compressibility	32193	13-Feb-96	Y	1
Y		2430	CL_M_T4	Upper Salado clay:50 to 100 years	COMP_RCK	Bulk Compressibility	32193	13-Feb-96	Y	1
Y		2431	CL_M_T4	Upper Salado clay:50 to 100 years	PC_MAX	Maximum allowable capillary pressure	32197A	26-Oct-95	Y	4B
Y		2431	CL_M_T4	Upper Salado clay:50 to 100 years	PC_MAX	Maximum allowable capillary pressure	32197A	26-Oct-95	Y	4B
Y		2431	CL_M_T4	Upper Salado clay:50 to 100 years	PC_MAX	Maximum allowable capillary pressure	32197A	26-Oct-95	Y	4B
Y		2431	CL_M_T4	Upper Salado clay:50 to 100 years	PC_MAX	Maximum allowable capillary pressure	32197A	26-Oct-95	Y	4B
Y		2431	CL_M_T4	Upper Salado clay:50 to 100 years	PC_MAX	Maximum allowable capillary pressure	32197A	26-Oct-95	Y	4B
Y	vanes	2432	CL_M_T4	Upper Salado clay:50 to 100 years	PORE_DIS	Brooks-Corey pore distribution parameter	32198	20-Feb-96	Y	1

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NOAA-1 Program?	Which methods were used to quality existing data? (footnote 3)
2420	1,3,4	TRIANGULAR	-1.8867000E+01	-1.8301000E+01	-2.1000000E+01	-1.7301000E+01	log(m ²)	WPO41558	Y&N	1
2421	1,3,4	TRIANGULAR	-1.8867000E+01	-1.8301000E+01	-2.1000000E+01	-1.7301000E+01	log(m ²)	WPO30640	Y&N	1
2421	1,3,4	TRIANGULAR	-1.8867000E+01	-1.8301000E+01	-2.1000000E+01	-1.7301000E+01	log(m ²)	WPO30994	Y&N	1
2421	1,3,4	TRIANGULAR	-1.8867000E+01	-1.8301000E+01	-2.1000000E+01	-1.7301000E+01	log(m ²)	WPO35268	Y&N	1
2421	1,3,4	TRIANGULAR	-1.8867000E+01	-1.8301000E+01	-2.1000000E+01	-1.7301000E+01	log(m ²)	WPO35597	Y&N	1
2421	1,3,4	TRIANGULAR	-1.8867000E+01	-1.8301000E+01	-2.1000000E+01	-1.7301000E+01	log(m ²)	WPO41558	Y&N	1
2425	1,3,4	CONSTANT	4.0000000E+00	4.0000000E+00	4.0000000E+00	4.0000000E+00	NONE	WPO30640	Y	N/A
2425	1,3,4	CONSTANT	4.0000000E+00	4.0000000E+00	4.0000000E+00	4.0000000E+00	NONE	WPO30994	Y	N/A
2425	1,3,4	CONSTANT	4.0000000E+00	4.0000000E+00	4.0000000E+00	4.0000000E+00	NONE	WPO35597	Y	N/A
2425	1,3,4	CONSTANT	4.0000000E+00	4.0000000E+00	4.0000000E+00	4.0000000E+00	NONE	WPO40486	Y	N/A
2425	1,3,4	CONSTANT	4.0000000E+00	4.0000000E+00	4.0000000E+00	4.0000000E+00	NONE	WPO40514	Y	N/A
2427	3,4	CUMULATIVE	2.5000000E-01	2.0000000E-01	0.0000000E+00	6.0000000E-01	NONE	WPO30640	Y	N/A
2427	3,4	CUMULATIVE	2.5000000E-01	2.0000000E-01	0.0000000E+00	6.0000000E-01	NONE	WPO30994	Y	N/A
2427	3,4	CUMULATIVE	2.5000000E-01	2.0000000E-01	0.0000000E+00	6.0000000E-01	NONE	WPO35268	Y	N/A
2427	3,4	CUMULATIVE	2.5000000E-01	2.0000000E-01	0.0000000E+00	6.0000000E-01	NONE	WPO35597	Y	N/A
2427	3,4	CUMULATIVE	2.5000000E-01	2.0000000E-01	0.0000000E+00	6.0000000E-01	NONE	WPO41558	Y	N/A
2427	3,4	CUMULATIVE	2.5000000E-01	2.0000000E-01	0.0000000E+00	6.0000000E-01	NONE	WPO42751	Y	N/A
2428	3,4	UNIFORM	2.0000000E-01	2.0000000E-01	0.0000000E+00	4.0000000E-01	NONE	WPO30640	Y	N/A
2428	3,4	UNIFORM	2.0000000E-01	2.0000000E-01	0.0000000E+00	4.0000000E-01	NONE	WPO30994	Y	N/A
2428	3,4	UNIFORM	2.0000000E-01	2.0000000E-01	0.0000000E+00	4.0000000E-01	NONE	WPO35268	Y	N/A
2428	3,4	UNIFORM	2.0000000E-01	2.0000000E-01	0.0000000E+00	4.0000000E-01	NONE	WPO35597	Y	N/A
2428	3,4	UNIFORM	2.0000000E-01	2.0000000E-01	0.0000000E+00	4.0000000E-01	NONE	WPO41558	Y	N/A
2429	1,3,4	CONSTANT	2.0000000E+00	2.0000000E+00	2.0000000E+00	2.0000000E+00	NONE	WPO30640	Y	N/A
2429	1,3,4	CONSTANT	2.0000000E+00	2.0000000E+00	2.0000000E+00	2.0000000E+00	NONE	WPO30994	Y	N/A
2429	1,3,4	CONSTANT	2.0000000E+00	2.0000000E+00	2.0000000E+00	2.0000000E+00	NONE	WPO35597	Y	N/A
2429	1,3,4	CONSTANT	2.0000000E+00	2.0000000E+00	2.0000000E+00	2.0000000E+00	NONE	WPO40486	Y	N/A
2429	1,3,4	CONSTANT	2.0000000E+00	2.0000000E+00	2.0000000E+00	2.0000000E+00	NONE	WPO40514	Y	N/A
2430	1,3,4	CONSTANT	1.8100000E-09	1.8100000E-09	1.8100000E-09	1.8100000E-09	Pa ⁻¹	WPO30640	Y	N/A
2430	1,3,4	CONSTANT	1.8100000E-09	1.8100000E-09	1.8100000E-09	1.8100000E-09	Pa ⁻¹	WPO30994	Y	N/A
2430	1,3,4	CONSTANT	1.8100000E-09	1.8100000E-09	1.8100000E-09	1.8100000E-09	Pa ⁻¹	WPO35597	Y	N/A
2431	1,3	CONSTANT	1.0000000E+08	1.0000000E+08	1.0000000E+08	1.0000000E+08	Pa	WPO30640	Y	N/A
2431	1,3	CONSTANT	1.0000000E+08	1.0000000E+08	1.0000000E+08	1.0000000E+08	Pa	WPO30994	Y	N/A
2431	1,3	CONSTANT	1.0000000E+08	1.0000000E+08	1.0000000E+08	1.0000000E+08	Pa	WPO35597	Y	N/A
2431	1,3	CONSTANT	1.0000000E+08	1.0000000E+08	1.0000000E+08	1.0000000E+08	Pa	WPO40486	Y	N/A
2431	1,3	CONSTANT	1.0000000E+08	1.0000000E+08	1.0000000E+08	1.0000000E+08	Pa	WPO40514	Y	N/A
2432	3,4	CUMULATIVE	2.5200000E+00	9.4000000E-01	1.1000000E-01	8.1000000E+00	NONE	WPO30640	Y	N/A

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 464 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y	varies	2432	CL_M_T4	Upper Salado clay:50 to 100 years	PORE_DIS	Brooks-Corey pore distribution parameter	32198	20-Feb-96	Y	1
Y	varies	2432	CL_M_T4	Upper Salado clay:50 to 100 years	PORE_DIS	Brooks-Corey pore distribution parameter	32198	20-Feb-96	Y	1
Y	varies	2432	CL_M_T4	Upper Salado clay:50 to 100 years	PORE_DIS	Brooks-Corey pore distribution parameter	32198	20-Feb-96	Y	1
Y	varies	2432	CL_M_T4	Upper Salado clay:50 to 100 years	PORE_DIS	Brooks-Corey pore distribution parameter	32198	20-Feb-96	Y	1
Y	varies	2432	CL_M_T4	Upper Salado clay:50 to 100 years	PORE_DIS	Brooks-Corey pore distribution parameter	32198	20-Feb-96	Y	1
Y		2433	CL_M_T4	Upper Salado clay:50 to 100 years	POROSITY	Effective porosity	32199	13-Feb-96	Y	1
Y		2433	CL_M_T4	Upper Salado clay:50 to 100 years	POROSITY	Effective porosity	32199	13-Feb-96	Y	1
Y		2433	CL_M_T4	Upper Salado clay:50 to 100 years	POROSITY	Effective porosity	32199	13-Feb-96	Y	1
Y		2434	CL_M_T4	Upper Salado clay:50 to 100 years	PO_MIN	Minimum brine pressure for capillary model KPC=3	32200	21-Feb-96	Y	4B
Y		2434	CL_M_T4	Upper Salado clay:50 to 100 years	PO_MIN	Minimum brine pressure for capillary model KPC=3	32200	21-Feb-96	Y	4B
Y		2434	CL_M_T4	Upper Salado clay:50 to 100 years	PO_MIN	Minimum brine pressure for capillary model KPC=3	32200	21-Feb-96	Y	4B
Y	varies	2436	CL_M_T4	Upper Salado clay:50 to 100 years	PRMX_LOG	Log of intrinsic permeability, X-direction	32202	19-Feb-96	Y	1
Y	varies	2436	CL_M_T4	Upper Salado clay:50 to 100 years	PRMX_LOG	Log of intrinsic permeability, X-direction	32202	19-Feb-96	Y	1
Y	varies	2436	CL_M_T4	Upper Salado clay:50 to 100 years	PRMX_LOG	Log of intrinsic permeability, X-direction	32202	19-Feb-96	Y	1
Y	varies	2436	CL_M_T4	Upper Salado clay:50 to 100 years	PRMX_LOG	Log of intrinsic permeability, X-direction	32202	19-Feb-96	Y	1
Y		2437	CL_M_T4	Upper Salado clay:50 to 100 years	PRMY_LOG	Log of intrinsic permeability, Y-direction	32203	13-Feb-96	Y	1
Y		2437	CL_M_T4	Upper Salado clay:50 to 100 years	PRMY_LOG	Log of intrinsic permeability, Y-direction	32203	13-Feb-96	Y	1
Y		2437	CL_M_T4	Upper Salado clay:50 to 100 years	PRMY_LOG	Log of intrinsic permeability, Y-direction	32203	13-Feb-96	Y	1
Y		2437	CL_M_T4	Upper Salado clay:50 to 100 years	PRMY_LOG	Log of intrinsic permeability, Y-direction	32203	13-Feb-96	Y	1
Y		2438	CL_M_T4	Upper Salado clay:50 to 100 years	PRMZ_LOG	Log of intrinsic permeability, Z-direction	32204	13-Feb-96	Y	1
Y		2438	CL_M_T4	Upper Salado clay:50 to 100 years	PRMZ_LOG	Log of intrinsic permeability, Z-direction	32204	13-Feb-96	Y	1
Y		2438	CL_M_T4	Upper Salado clay:50 to 100 years	PRMZ_LOG	Log of intrinsic permeability, Z-direction	32204	13-Feb-96	Y	1
Y		2438	CL_M_T4	Upper Salado clay:50 to 100 years	PRMZ_LOG	Log of intrinsic permeability, Z-direction	32204	13-Feb-96	Y	1
Y		2438	CL_M_T4	Upper Salado clay:50 to 100 years	PRMZ_LOG	Log of intrinsic permeability, Z-direction	32204	13-Feb-96	Y	1
Y		2442	CL_M_T4	Upper Salado clay:50 to 100 years	REL_P_MOD	Model number relative permeability model	32209A	26-Oct-95	Y	4B
Y		2442	CL_M_T4	Upper Salado clay:50 to 100 years	REL_P_MOD	Model number relative permeability model	32209A	26-Oct-95	Y	4B
Y		2442	CL_M_T4	Upper Salado clay:50 to 100 years	REL_P_MOD	Model number relative permeability model	32209A	26-Oct-95	Y	4B
Y		2442	CL_M_T4	Upper Salado clay:50 to 100 years	REL_P_MOD	Model number relative permeability model	32209A	26-Oct-95	Y	4B
Y		2442	CL_M_T4	Upper Salado clay:50 to 100 years	REL_P_MOD	Model number relative permeability model	32209A	26-Oct-95	Y	4B
Y	100	2444	CL_M_T4	Upper Salado clay:50 to 100 years	SAT_RBRN	Residual Brine Saturation	32225	19-Feb-96	Y	1
Y	100	2444	CL_M_T4	Upper Salado clay:50 to 100 years	SAT_RBRN	Residual Brine Saturation	32225	19-Feb-96	Y	1
Y	100	2444	CL_M_T4	Upper Salado clay:50 to 100 years	SAT_RBRN	Residual Brine Saturation	32225	19-Feb-96	Y	1
Y	100	2444	CL_M_T4	Upper Salado clay:50 to 100 years	SAT_RBRN	Residual Brine Saturation	32225	19-Feb-96	Y	1

CCA-Parameter Listing--

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
2432	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO30994	Y	N/A
2432	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO32287	Y	N/A
2432	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO35268	Y	N/A
2432	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO35597	Y	N/A
2432	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO41558	Y	N/A
2433	1,3,4	CONSTANT	2.400000E-01	2.400000E-01	2.400000E-01	2.400000E-01	m³/m³	WPO30640	Y	N/A
2433	1,3,4	CONSTANT	2.400000E-01	2.400000E-01	2.400000E-01	2.400000E-01	m³/m³	WPO30994	Y	N/A
2433	1,3,4	CONSTANT	2.400000E-01	2.400000E-01	2.400000E-01	2.400000E-01	m³/m³	WPO35597	Y	N/A
2434	1,3	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO35597	Y	N/A
2434	1,3	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO36051	Y	N/A
2434	1,3	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO40514	Y	N/A
2436	1,3,4	TRIANGULAR	-1.886700E+01	-1.830100E+01	-2.100000E+01	-1.730100E+01	log(m²)	WPO30640	Y&N	1
2436	1,3,4	TRIANGULAR	-1.886700E+01	-1.830100E+01	-2.100000E+01	-1.730100E+01	log(m²)	WPO30994	Y&N	1
2436	1,3,4	TRIANGULAR	-1.886700E+01	-1.830100E+01	-2.100000E+01	-1.730100E+01	log(m²)	WPO35268	Y&N	1
2436	1,3,4	TRIANGULAR	-1.886700E+01	-1.830100E+01	-2.100000E+01	-1.730100E+01	log(m²)	WPO35597	Y&N	1
2436	1,3,4	TRIANGULAR	-1.886700E+01	-1.830100E+01	-2.100000E+01	-1.730100E+01	log(m²)	WPO41558	Y&N	1
2437	1,3,4	TRIANGULAR	-1.886700E+01	-1.830100E+01	-2.100000E+01	-1.730100E+01	log(m²)	WPO30640	Y&N	1
2437	1,3,4	TRIANGULAR	-1.886700E+01	-1.830100E+01	-2.100000E+01	-1.730100E+01	log(m²)	WPO30994	Y&N	1
2437	1,3,4	TRIANGULAR	-1.886700E+01	-1.830100E+01	-2.100000E+01	-1.730100E+01	log(m²)	WPO35268	Y&N	1
2437	1,3,4	TRIANGULAR	-1.886700E+01	-1.830100E+01	-2.100000E+01	-1.730100E+01	log(m²)	WPO35597	Y&N	1
2437	1,3,4	TRIANGULAR	-1.886700E+01	-1.830100E+01	-2.100000E+01	-1.730100E+01	log(m²)	WPO41558	Y&N	1
2438	1,3,4	TRIANGULAR	-1.886700E+01	-1.830100E+01	-2.100000E+01	-1.730100E+01	log(m²)	WPO30640	Y&N	1
2438	1,3,4	TRIANGULAR	-1.886700E+01	-1.830100E+01	-2.100000E+01	-1.730100E+01	log(m²)	WPO30994	Y&N	1
2438	1,3,4	TRIANGULAR	-1.886700E+01	-1.830100E+01	-2.100000E+01	-1.730100E+01	log(m²)	WPO35268	Y&N	1
2438	1,3,4	TRIANGULAR	-1.886700E+01	-1.830100E+01	-2.100000E+01	-1.730100E+01	log(m²)	WPO35597	Y&N	1
2438	1,3,4	TRIANGULAR	-1.886700E+01	-1.830100E+01	-2.100000E+01	-1.730100E+01	log(m²)	WPO41558	Y&N	1
2442	1,3,4	CONSTANT	4.000000E+00	4.000000E+00	4.000000E+00	4.000000E+00	NONE	WPO30640	Y	N/A
2442	1,3,4	CONSTANT	4.000000E+00	4.000000E+00	4.000000E+00	4.000000E+00	NONE	WPO30994	Y	N/A
2442	1,3,4	CONSTANT	4.000000E+00	4.000000E+00	4.000000E+00	4.000000E+00	NONE	WPO35597	Y	N/A
2442	1,3,4	CONSTANT	4.000000E+00	4.000000E+00	4.000000E+00	4.000000E+00	NONE	WPO37522	Y	N/A
2442	1,3,4	CONSTANT	4.000000E+00	4.000000E+00	4.000000E+00	4.000000E+00	NONE	WPO40486	Y	N/A
2442	1,3,4	CONSTANT	4.000000E+00	4.000000E+00	4.000000E+00	4.000000E+00	NONE	WPO40514	Y	N/A
2444	3,4	CUMULATIVE	2.500000E-01	2.000000E-01	0.000000E+00	6.000000E-01	NONE	WPO30640	Y	N/A
2444	3,4	CUMULATIVE	2.500000E-01	2.000000E-01	0.000000E+00	6.000000E-01	NONE	WPO30994	Y	N/A
2444	3,4	CUMULATIVE	2.500000E-01	2.000000E-01	0.000000E+00	6.000000E-01	NONE	WPO35268	Y	N/A
2444	3,4	CUMULATIVE	2.500000E-01	2.000000E-01	0.000000E+00	6.000000E-01	NONE	WPO35597	Y	N/A

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 454 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y	100	2444	CL_M_T4	Upper Salado clay:50 to 100 years	SAT_RBRN	Residual Brine Saturation	32225	19-Feb-96	Y	1
Y	100	2444	CL_M_T4	Upper Salado clay:50 to 100 years	SAT_RBRN	Residual Brine Saturation	32225	19-Feb-96	Y	1
Y	100	2445	CL_M_T4	Upper Salado clay:50 to 100 years	SAT_RGAS	Residual Gas Saturation	32226	13-Feb-96	Y	1
Y	100	2445	CL_M_T4	Upper Salado clay:50 to 100 years	SAT_RGAS	Residual Gas Saturation	32226	13-Feb-96	Y	1
Y	100	2445	CL_M_T4	Upper Salado clay:50 to 100 years	SAT_RGAS	Residual Gas Saturation	32226	13-Feb-96	Y	1
Y	100	2445	CL_M_T4	Upper Salado clay:50 to 100 years	SAT_RGAS	Residual Gas Saturation	32226	13-Feb-96	Y	1
Y	100	2445	CL_M_T4	Upper Salado clay:50 to 100 years	SAT_RGAS	Residual Gas Saturation	32226	13-Feb-96	Y	1
Y	100	2445	CL_M_T4	Upper Salado clay:50 to 100 years	SAT_RGAS	Residual Gas Saturation	32226	13-Feb-96	Y	1
Y	50	2446	CL_M_T5	Upper Salado clay:100 to 10K years	CAP_MOD	Model number, capillary pressure model	32228A	02-Nov-95	Y	4B
Y	50	2446	CL_M_T5	Upper Salado clay:100 to 10K years	CAP_MOD	Model number, capillary pressure model	32228A	02-Nov-95	Y	4B
Y	50	2446	CL_M_T5	Upper Salado clay:100 to 10K years	CAP_MOD	Model number, capillary pressure model	32228A	02-Nov-95	Y	4B
Y	50	2446	CL_M_T5	Upper Salado clay:100 to 10K years	CAP_MOD	Model number, capillary pressure model	32228A	02-Nov-95	Y	4B
Y	50	2446	CL_M_T5	Upper Salado clay:100 to 10K years	CAP_MOD	Model number, capillary pressure model	32228A	02-Nov-95	Y	4B
Y		2447	CL_M_T5	Upper Salado clay:100 to 10K years	COMP_RCK	Bulk Compressibility	32230	13-Feb-96	Y	1
Y		2447	CL_M_T5	Upper Salado clay:100 to 10K years	COMP_RCK	Bulk Compressibility	32230	13-Feb-96	Y	1
Y		2447	CL_M_T5	Upper Salado clay:100 to 10K years	COMP_RCK	Bulk Compressibility	32230	13-Feb-96	Y	1
Y		2448	CL_M_T5	Upper Salado clay:100 to 10K years	PC_MAX	Maximum allowable capillary pressure	32234A	13-Feb-96	Y	4B
Y		2448	CL_M_T5	Upper Salado clay:100 to 10K years	PC_MAX	Maximum allowable capillary pressure	32234A	13-Feb-96	Y	4B
Y		2448	CL_M_T5	Upper Salado clay:100 to 10K years	PC_MAX	Maximum allowable capillary pressure	32234A	13-Feb-96	Y	4B
Y		2448	CL_M_T5	Upper Salado clay:100 to 10K years	PC_MAX	Maximum allowable capillary pressure	32234A	13-Feb-96	Y	4B
Y		2448	CL_M_T5	Upper Salado clay:100 to 10K years	PC_MAX	Maximum allowable capillary pressure	32234A	13-Feb-96	Y	4B
Y	varies	2449	CL_M_T5	Upper Salado clay:100 to 10K years	PORE_DIS	Brooks-Corey pore distribution parameter	32235	20-Feb-96	Y	1
Y	varies	2449	CL_M_T5	Upper Salado clay:100 to 10K years	PORE_DIS	Brooks-Corey pore distribution parameter	32235	20-Feb-96	Y	1
Y	varies	2449	CL_M_T5	Upper Salado clay:100 to 10K years	PORE_DIS	Brooks-Corey pore distribution parameter	32235	20-Feb-96	Y	1
Y	varies	2449	CL_M_T5	Upper Salado clay:100 to 10K years	PORE_DIS	Brooks-Corey pore distribution parameter	32235	20-Feb-96	Y	1
Y	varies	2449	CL_M_T5	Upper Salado clay:100 to 10K years	PORE_DIS	Brooks-Corey pore distribution parameter	32235	20-Feb-96	Y	1
Y	varies	2449	CL_M_T5	Upper Salado clay:100 to 10K years	PORE_DIS	Brooks-Corey pore distribution parameter	32235	20-Feb-96	Y	1
Y		2450	CL_M_T5	Upper Salado clay:100 to 10K years	POROSITY	Effective porosity	32236	13-Feb-96	Y	1
Y		2450	CL_M_T5	Upper Salado clay:100 to 10K years	POROSITY	Effective porosity	32236	13-Feb-96	Y	1
Y		2450	CL_M_T5	Upper Salado clay:100 to 10K years	POROSITY	Effective porosity	32236	13-Feb-96	Y	1
Y		2451	CL_M_T5	Upper Salado clay:100 to 10K years	PO_MIN	Minimum brine pressure for capillary model KPC=3	32237	21-Feb-96	Y	4B
Y		2451	CL_M_T5	Upper Salado clay:100 to 10K years	PO_MIN	Minimum brine pressure for capillary model KPC=3	32237	21-Feb-96	Y	4B
Y		2451	CL_M_T5	Upper Salado clay:100 to 10K years	PO_MIN	Minimum brine pressure for capillary model KPC=3	32237	21-Feb-96	Y	4B
Y	varies	2453	CL_M_T5	Upper Salado clay:100 to 10K years	PRMX_LOG	Log of intrinsic permeability, X-direction	32239	13-Feb-96	Y	1
Y	varies	2453	CL_M_T5	Upper Salado clay:100 to 10K years	PRMX_LOG	Log of intrinsic permeability, X-direction	32239	13-Feb-96	Y	1
Y	varies	2453	CL_M_T5	Upper Salado clay:100 to 10K years	PRMX_LOG	Log of intrinsic permeability, X-direction	32239	13-Feb-96	Y	1
Y	varies	2453	CL_M_T5	Upper Salado clay:100 to 10K years	PRMX_LOG	Log of intrinsic permeability, X-direction	32239	13-Feb-96	Y	1

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
2444	3,4	CUMULATIVE	2.500000E-01	2.000000E-01	0.000000E+00	6.000000E-01	NONE	WPO41558	Y	N/A
2444	3,4	CUMULATIVE	2.500000E-01	2.000000E-01	0.000000E+00	6.000000E-01	NONE	WPO42751	Y	N/A
2445	3,4	UNIFORM	2.000000E-01	2.000000E-01	0.000000E+00	4.000000E-01	NONE	WPO30640	Y	N/A
2445	3,4	UNIFORM	2.000000E-01	2.000000E-01	0.000000E+00	4.000000E-01	NONE	WPO30994	Y	N/A
2445	3,4	UNIFORM	2.000000E-01	2.000000E-01	0.000000E+00	4.000000E-01	NONE	WPO35268	Y	N/A
2445	3,4	UNIFORM	2.000000E-01	2.000000E-01	0.000000E+00	4.000000E-01	NONE	WPO35597	Y	N/A
2445	3,4	UNIFORM	2.000000E-01	2.000000E-01	0.000000E+00	4.000000E-01	NONE	WPO41558	Y	N/A
2446	1,3,4	CONSTANT	2.000000E+00	2.000000E+00	2.000000E+00	2.000000E+00	NONE	WPO30640	Y	N/A
2446	1,3,4	CONSTANT	2.000000E+00	2.000000E+00	2.000000E+00	2.000000E+00	NONE	WPO30994	Y	N/A
2446	1,3,4	CONSTANT	2.000000E+00	2.000000E+00	2.000000E+00	2.000000E+00	NONE	WPO35597	Y	N/A
2446	1,3,4	CONSTANT	2.000000E+00	2.000000E+00	2.000000E+00	2.000000E+00	NONE	WPO40486	Y	N/A
2446	1,3,4	CONSTANT	2.000000E+00	2.000000E+00	2.000000E+00	2.000000E+00	NONE	WPO40514	Y	N/A
2447	1,3,4	CONSTANT	1.810000E-09	1.810000E-09	1.810000E-09	1.810000E-09	Pa^-1	WPO30640	Y	N/A
2447	1,3,4	CONSTANT	1.810000E-09	1.810000E-09	1.810000E-09	1.810000E-09	Pa^-1	WPO30994	Y	N/A
2447	1,3,4	CONSTANT	1.810000E-09	1.810000E-09	1.810000E-09	1.810000E-09	Pa^-1	WPO35597	Y	N/A
2448	1,3	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO30640	Y	N/A
2448	1,3	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO30994	Y	N/A
2448	1,3	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO35597	Y	N/A
2448	1,3	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO40486	Y	N/A
2448	1,3	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO40514	Y	N/A
2449	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO30640	Y	N/A
2449	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO30994	Y	N/A
2449	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO32287	Y	N/A
2449	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO35268	Y	N/A
2449	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO35597	-Y	N/A
2449	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO41558	Y	N/A
2450	1,3,4	CONSTANT	2.400000E-01	2.400000E-01	2.400000E-01	2.400000E-01	m^3/m^3	WPO30640	Y	N/A
2450	1,3,4	CONSTANT	2.400000E-01	2.400000E-01	2.400000E-01	2.400000E-01	m^3/m^3	WPO30994	Y	N/A
2450	1,3,4	CONSTANT	2.400000E-01	2.400000E-01	2.400000E-01	2.400000E-01	m^3/m^3	WPO35597	Y	N/A
2451	1,3	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO35597	Y	N/A
2451	1,3	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO36051	Y	N/A
2451	1,3	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO40514	Y	N/A
2453	1,3,4	TRIANGULAR	-1.886700E+01	-1.830100E+01	-2.100000E+01	-1.730100E+01	log(m^2)	WPO30640	Y&N	1
2453	1,3,4	TRIANGULAR	-1.886700E+01	-1.830100E+01	-2.100000E+01	-1.730100E+01	log(m^2)	WPO30994	Y&N	1
2453	1,3,4	TRIANGULAR	-1.886700E+01	-1.830100E+01	-2.100000E+01	-1.730100E+01	log(m^2)	WPO35268	Y&N	1
2453	1,3,4	TRIANGULAR	-1.886700E+01	-1.830100E+01	-2.100000E+01	-1.730100E+01	log(m^2)	WPO35597	Y&N	1

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 454 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y	vanes	2453	CL_M_T5	Upper Salado clay:100 to 10K years	PRMX_LOG	Log of intrinsic permeability, X-direction	32239	13-Feb-96	Y	1
Y		2454	CL_M_T5	Upper Salado clay:100 to 10K years	PRMY_LOG	Log of intrinsic permeability, Y-direction	32240	13-Feb-96	Y	1
Y		2454	CL_M_T5	Upper Salado clay:100 to 10K years	PRMY_LOG	Log of intrinsic permeability, Y-direction	32240	13-Feb-96	Y	1
Y		2454	CL_M_T5	Upper Salado clay:100 to 10K years	PRMY_LOG	Log of intrinsic permeability, Y-direction	32240	13-Feb-96	Y	1
Y		2454	CL_M_T5	Upper Salado clay:100 to 10K years	PRMY_LOG	Log of intrinsic permeability, Y-direction	32240	13-Feb-96	Y	1
Y		2454	CL_M_T5	Upper Salado clay:100 to 10K years	PRMY_LOG	Log of intrinsic permeability, Y-direction	32240	13-Feb-96	Y	1
Y		2455	CL_M_T5	Upper Salado clay:100 to 10K years	PRMZ_LOG	Log of intrinsic permeability, Z-direction	32241	13-Feb-96	Y	1
Y		2455	CL_M_T5	Upper Salado clay:100 to 10K years	PRMZ_LOG	Log of intrinsic permeability, Z-direction	32241	13-Feb-96	Y	1
Y		2455	CL_M_T5	Upper Salado clay:100 to 10K years	PRMZ_LOG	Log of intrinsic permeability, Z-direction	32241	13-Feb-96	Y	1
Y		2455	CL_M_T5	Upper Salado clay:100 to 10K years	PRMZ_LOG	Log of intrinsic permeability, Z-direction	32241	13-Feb-96	Y	1
Y		2455	CL_M_T5	Upper Salado clay:100 to 10K years	PRMZ_LOG	Log of intrinsic permeability, Z-direction	32241	13-Feb-96	Y	1
Y		2459	CL_M_T5	Upper Salado clay:100 to 10K years	RELP_MOD	Model number, relative permeability model	32248A	26-Oct-95	Y	4B
Y		2459	CL_M_T5	Upper Salado clay:100 to 10K years	RELP_MOD	Model number, relative permeability model	32248A	26-Oct-95	Y	4B
Y		2459	CL_M_T5	Upper Salado clay:100 to 10K years	RELP_MOD	Model number, relative permeability model	32248A	26-Oct-95	Y	4B
Y		2459	CL_M_T5	Upper Salado clay:100 to 10K years	RELP_MOD	Model number, relative permeability model	32248A	26-Oct-95	Y	4B
Y		2459	CL_M_T5	Upper Salado clay:100 to 10K years	RELP_MOD	Model number, relative permeability model	32248A	26-Oct-95	Y	4B
Y	100	2461	CL_M_T5	Upper Salado clay:100 to 10K years	SAT_RBRN	Residual Brine Saturation	32254	13-Feb-96	Y	1
Y	100	2461	CL_M_T5	Upper Salado clay:100 to 10K years	SAT_RBRN	Residual Brine Saturation	32254	13-Feb-96	Y	1
Y	100	2461	CL_M_T5	Upper Salado clay:100 to 10K years	SAT_RBRN	Residual Brine Saturation	32254	13-Feb-96	Y	1
Y	100	2461	CL_M_T5	Upper Salado clay:100 to 10K years	SAT_RBRN	Residual Brine Saturation	32254	13-Feb-96	Y	1
Y	100	2461	CL_M_T5	Upper Salado clay:100 to 10K years	SAT_RBRN	Residual Brine Saturation	32254	13-Feb-96	Y	1
Y	100	2461	CL_M_T5	Upper Salado clay:100 to 10K years	SAT_RBRN	Residual Brine Saturation	32254	13-Feb-96	Y	1
Y	100	2462	CL_M_T5	Upper Salado clay:100 to 10K years	SAT_RGAS	Residual Gas Saturation	32255	13-Feb-96	Y	1
Y	100	2462	CL_M_T5	Upper Salado clay:100 to 10K years	SAT_RGAS	Residual Gas Saturation	32255	13-Feb-96	Y	1
Y	100	2462	CL_M_T5	Upper Salado clay:100 to 10K years	SAT_RGAS	Residual Gas Saturation	32255	13-Feb-96	-Y	1
Y	100	2462	CL_M_T5	Upper Salado clay:100 to 10K years	SAT_RGAS	Residual Gas Saturation	32255	13-Feb-96	Y	1
Y	100	2462	CL_M_T5	Upper Salado clay:100 to 10K years	SAT_RGAS	Residual Gas Saturation	32255	13-Feb-96	Y	1
Y	50	2463	CONC_T1	Concrete column:0 to 400 years	CAP_MOD	Model number, capillary pressure model	32549A	14-Feb-96	Y	4B
Y	50	2463	CONC_T1	Concrete column:0 to 400 years	CAP_MOD	Model number, capillary pressure model	32549A	14-Feb-96	Y	4B
Y	50	2463	CONC_T1	Concrete column:0 to 400 years	CAP_MOD	Model number, capillary pressure model	32549A	14-Feb-96	Y	4B
Y	50	2463	CONC_T1	Concrete column:0 to 400 years	CAP_MOD	Model number, capillary pressure model	32549A	14-Feb-96	Y	4B
Y	50	2463	CONC_T1	Concrete column:0 to 400 years	CAP_MOD	Model number, capillary pressure model	32549A	14-Feb-96	Y	4B
Y		2464	CONC_T1	Concrete column:0 to 400 years	COMP_RCK	Bulk Compressibility	32556	02-May-96	Y	4B
Y		2464	CONC_T1	Concrete column:0 to 400 years	COMP_RCK	Bulk Compressibility	32556	02-May-96	Y	4B
Y		2464	CONC_T1	Concrete column:0 to 400 years	COMP_RCK	Bulk Compressibility	32556	02-May-96	Y	4B
Y		2465	CONC_T1	Concrete column:0 to 400 years	PC_MAX	Maximum allowable capillary pressure	32567A	03-Nov-95	Y	4B

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to quality existing data? (footnote 3)
2453	1,3,4	TRIANGULAR	-1.8867000E+01	-1.8301000E+01	-2.1000000E+01	-1.7301000E+01	log(m ²)	WPO41558	Y&N	1
2454	1,3,4	TRIANGULAR	-1.8867000E+01	-1.8301000E+01	-2.1000000E+01	-1.7301000E+01	log(m ²)	WPO30640	Y&N	1
2454	1,3,4	TRIANGULAR	-1.8867000E+01	-1.8301000E+01	-2.1000000E+01	-1.7301000E+01	log(m ²)	WPO30994	Y&N	1
2454	1,3,4	TRIANGULAR	-1.8867000E+01	-1.8301000E+01	-2.1000000E+01	-1.7301000E+01	log(m ²)	WPO35268	Y&N	1
2454	1,3,4	TRIANGULAR	-1.8867000E+01	-1.8301000E+01	-2.1000000E+01	-1.7301000E+01	log(m ²)	WPO35597	Y&N	1
2454	1,3,4	TRIANGULAR	-1.8867000E+01	-1.8301000E+01	-2.1000000E+01	-1.7301000E+01	log(m ²)	WPO41558	Y&N	1
2455	1,3,4	TRIANGULAR	-1.8867000E+01	-1.8301000E+01	-2.1000000E+01	-1.7301000E+01	log(m ²)	WPO30640	Y&N	1
2455	1,3,4	TRIANGULAR	-1.8867000E+01	-1.8301000E+01	-2.1000000E+01	-1.7301000E+01	log(m ²)	WPO30994	Y&N	1
2455	1,3,4	TRIANGULAR	-1.8867000E+01	-1.8301000E+01	-2.1000000E+01	-1.7301000E+01	log(m ²)	WPO35268	Y&N	1
2455	1,3,4	TRIANGULAR	-1.8867000E+01	-1.8301000E+01	-2.1000000E+01	-1.7301000E+01	log(m ²)	WPO35597	Y&N	1
2455	1,3,4	TRIANGULAR	-1.8867000E+01	-1.8301000E+01	-2.1000000E+01	-1.7301000E+01	log(m ²)	WPO41558	Y&N	1
2459	1,3,4	CONSTANT	4.0000000E+00	4.0000000E+00	4.0000000E+00	4.0000000E+00	NONE	WPO30640	Y	N/A
2459	1,3,4	CONSTANT	4.0000000E+00	4.0000000E+00	4.0000000E+00	4.0000000E+00	NONE	WPO30994	Y	N/A
2459	1,3,4	CONSTANT	4.0000000E+00	4.0000000E+00	4.0000000E+00	4.0000000E+00	NONE	WPO35597	Y	N/A
2459	1,3,4	CONSTANT	4.0000000E+00	4.0000000E+00	4.0000000E+00	4.0000000E+00	NONE	WPO40486	Y	N/A
2459	1,3,4	CONSTANT	4.0000000E+00	4.0000000E+00	4.0000000E+00	4.0000000E+00	NONE	WPO40514	Y	N/A
2461	3,4	CUMULATIVE	2.5000000E-01	2.0000000E-01	0.0000000E+00	6.0000000E-01	NONE	WPO30640	Y	N/A
2461	3,4	CUMULATIVE	2.5000000E-01	2.0000000E-01	0.0000000E+00	6.0000000E-01	NONE	WPO30994	Y	N/A
2461	3,4	CUMULATIVE	2.5000000E-01	2.0000000E-01	0.0000000E+00	6.0000000E-01	NONE	WPO35268	Y	N/A
2461	3,4	CUMULATIVE	2.5000000E-01	2.0000000E-01	0.0000000E+00	6.0000000E-01	NONE	WPO35597	Y	N/A
2461	3,4	CUMULATIVE	2.5000000E-01	2.0000000E-01	0.0000000E+00	6.0000000E-01	NONE	WPO41558	Y	N/A
2461	3,4	CUMULATIVE	2.5000000E-01	2.0000000E-01	0.0000000E+00	6.0000000E-01	NONE	WPO42751	Y	N/A
2462	3,4	UNIFORM	2.0000000E-01	2.0000000E-01	0.0000000E+00	4.0000000E-01	NONE	WPO30640	Y	N/A
2462	3,4	UNIFORM	2.0000000E-01	2.0000000E-01	0.0000000E+00	4.0000000E-01	NONE	WPO30994	Y	N/A
2462	3,4	UNIFORM	2.0000000E-01	2.0000000E-01	0.0000000E+00	4.0000000E-01	NONE	WPO35268	-Y	N/A
2462	3,4	UNIFORM	2.0000000E-01	2.0000000E-01	0.0000000E+00	4.0000000E-01	NONE	WPO35597	Y	N/A
2462	3,4	UNIFORM	2.0000000E-01	2.0000000E-01	0.0000000E+00	4.0000000E-01	NONE	WPO41558	Y	N/A
2463	1,3,4	CONSTANT	2.0000000E+00	2.0000000E+00	2.0000000E+00	2.0000000E+00	NONE	WPO30640	Y	N/A
2463	1,3,4	CONSTANT	2.0000000E+00	2.0000000E+00	2.0000000E+00	2.0000000E+00	NONE	WPO30994	Y	N/A
2463	1,3,4	CONSTANT	2.0000000E+00	2.0000000E+00	2.0000000E+00	2.0000000E+00	NONE	WPO35597	Y	N/A
2463	1,3,4	CONSTANT	2.0000000E+00	2.0000000E+00	2.0000000E+00	2.0000000E+00	NONE	WPO40486	Y	N/A
2463	1,3,4	CONSTANT	2.0000000E+00	2.0000000E+00	2.0000000E+00	2.0000000E+00	NONE	WPO40514	Y	N/A
2464	1,3,4	CONSTANT	1.2000000E-09	1.2000000E-09	1.2000000E-09	1.2000000E-09	Pa ⁻¹	WPO30640	Y	N/A
2464	1,3,4	CONSTANT	1.2000000E-09	1.2000000E-09	1.2000000E-09	1.2000000E-09	Pa ⁻¹	WPO35597	Y	N/A
2464	1,3,4	CONSTANT	1.2000000E-09	1.2000000E-09	1.2000000E-09	1.2000000E-09	Pa ⁻¹	WPO40514	Y	N/A
2465	1,3	CONSTANT	1.0000000E+08	1.0000000E+08	1.0000000E+08	1.0000000E+08	Pa	WPO30640	Y	N/A

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 464 constant with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		2465	CONC_T1	Concrete column:0 to 400 years	PC_MAX	Maximum allowable capillary pressure	32567A	03-Nov-95	Y	4B
Y		2465	CONC_T1	Concrete column:0 to 400 years	PC_MAX	Maximum allowable capillary pressure	32567A	03-Nov-95	Y	4B
Y		2465	CONC_T1	Concrete column:0 to 400 years	PC_MAX	Maximum allowable capillary pressure	32567A	03-Nov-95	Y	4B
Y		2465	CONC_T1	Concrete column:0 to 400 years	PC_MAX	Maximum allowable capillary pressure	32567A	03-Nov-95	Y	4B
Y	varies	2466	CONC_T1	Concrete column:0 to 400 years	PORE_DIS	Brooks-Corey pore distribution parameter	32570	20-Feb-96	Y	1
Y	varies	2466	CONC_T1	Concrete column:0 to 400 years	PORE_DIS	Brooks-Corey pore distribution parameter	32570	20-Feb-96	Y	1
Y	varies	2466	CONC_T1	Concrete column:0 to 400 years	PORE_DIS	Brooks-Corey pore distribution parameter	32570	20-Feb-96	Y	1
Y	varies	2466	CONC_T1	Concrete column:0 to 400 years	PORE_DIS	Brooks-Corey pore distribution parameter	32570	20-Feb-96	Y	1
Y	varies	2466	CONC_T1	Concrete column:0 to 400 years	PORE_DIS	Brooks-Corey pore distribution parameter	32570	20-Feb-96	Y	1
Y	varies	2466	CONC_T1	Concrete column:0 to 400 years	PORE_DIS	Brooks-Corey pore distribution parameter	32570	20-Feb-96	Y	1
Y		2467	CONC_T1	Concrete column:0 to 400 years	POROSITY	Effective porosity	32572	14-Feb-96	Y	1
Y		2467	CONC_T1	Concrete column:0 to 400 years	POROSITY	Effective porosity	32572	14-Feb-96	Y	1
Y		2467	CONC_T1	Concrete column:0 to 400 years	POROSITY	Effective porosity	32572	14-Feb-96	Y	1
Y		2468	CONC_T1	Concrete column:0 to 400 years	PO_MIN	Minimum brine pressure for capillary model KPC=3	32576	21-Feb-96	Y	4B
Y		2468	CONC_T1	Concrete column:0 to 400 years	PO_MIN	Minimum brine pressure for capillary model KPC=3	32576	21-Feb-96	Y	4B
Y		2468	CONC_T1	Concrete column:0 to 400 years	PO_MIN	Minimum brine pressure for capillary model KPC=3	32576	21-Feb-96	Y	4B
Y		2469	CONC_T1	Concrete column:0 to 400 years	PRESSURE	Brine far-field pore pressure	32580	20-Feb-96	Y	1
Y		2470	CONC_T1	Concrete column:0 to 400 years	PRMX_LOG	Log of intrinsic permeability, X-direction	32583	14-Feb-96	Y	1
Y		2470	CONC_T1	Concrete column:0 to 400 years	PRMX_LOG	Log of intrinsic permeability, X-direction	32583	14-Feb-96	Y	1
Y		2470	CONC_T1	Concrete column:0 to 400 years	PRMX_LOG	Log of intrinsic permeability, X-direction	32583	14-Feb-96	Y	1
Y		2470	CONC_T1	Concrete column:0 to 400 years	PRMX_LOG	Log of intrinsic permeability, X-direction	32583	14-Feb-96	Y	1
Y		2470	CONC_T1	Concrete column:0 to 400 years	PRMX_LOG	Log of intrinsic permeability, X-direction	32583	14-Feb-96	Y	1
Y		2471	CONC_T1	Concrete column:0 to 400 years	PRMY_LOG	Log of intrinsic permeability, Y-direction	32585	14-Feb-96	Y	1
Y		2471	CONC_T1	Concrete column:0 to 400 years	PRMY_LOG	Log of intrinsic permeability, Y-direction	32585	14-Feb-96	Y	1
Y		2471	CONC_T1	Concrete column:0 to 400 years	PRMY_LOG	Log of intrinsic permeability, Y-direction	32585	14-Feb-96	-Y	1
Y		2471	CONC_T1	Concrete column:0 to 400 years	PRMY_LOG	Log of intrinsic permeability, Y-direction	32585	14-Feb-96	Y	1
Y		2471	CONC_T1	Concrete column:0 to 400 years	PRMY_LOG	Log of intrinsic permeability, Y-direction	32585	14-Feb-96	Y	1
Y		2472	CONC_T1	Concrete column:0 to 400 years	PRMZ_LOG	Log of intrinsic permeability, Z-direction	32587	14-Feb-96	Y	1
Y		2472	CONC_T1	Concrete column:0 to 400 years	PRMZ_LOG	Log of intrinsic permeability, Z-direction	32587	14-Feb-96	Y	1
Y		2472	CONC_T1	Concrete column:0 to 400 years	PRMZ_LOG	Log of intrinsic permeability, Z-direction	32587	14-Feb-96	Y	1
Y		2472	CONC_T1	Concrete column:0 to 400 years	PRMZ_LOG	Log of intrinsic permeability, Z-direction	32587	14-Feb-96	Y	1
Y		2472	CONC_T1	Concrete column:0 to 400 years	PRMZ_LOG	Log of intrinsic permeability, Z-direction	32587	14-Feb-96	Y	1
Y		2476	CONC_T1	Concrete column:0 to 400 years	RELP_MOD	Model number, relative permeability model	32605A	14-Feb-96	Y	4B
Y		2476	CONC_T1	Concrete column:0 to 400 years	RELP_MOD	Model number, relative permeability model	32605A	14-Feb-96	Y	4B
Y		2476	CONC_T1	Concrete column:0 to 400 years	RELP_MOD	Model number, relative permeability model	32605A	14-Feb-96	Y	4B
Y		2476	CONC_T1	Concrete column:0 to 400 years	RELP_MOD	Model number, relative permeability model	32605A	14-Feb-96	Y	4B

CCA Parameter-Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
2465	1,3	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO30994	Y	N/A
2465	1,3	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO35597	Y	N/A
2465	1,3	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO40486	Y	N/A
2465	1,3	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO40514	Y	N/A
2466	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO30640	Y	N/A
2466	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO30994	Y	N/A
2466	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO32287	Y	N/A
2466	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO35268	Y	N/A
2466	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO35597	Y	N/A
2466	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO41558	Y	N/A
2467	1,3	CONSTANT	5.000000E-02	5.000000E-02	5.000000E-02	5.000000E-02	m ³ /m ³	WPO30640	Y&N	1
2467	1,3	CONSTANT	5.000000E-02	5.000000E-02	5.000000E-02	5.000000E-02	m ³ /m ³	WPO30994	Y&N	1
2467	1,3	CONSTANT	5.000000E-02	5.000000E-02	5.000000E-02	5.000000E-02	m ³ /m ³	WPO35597	Y&N	1
2468	3,5	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO35597	Y	N/A
2468	3,5	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO36051	Y	N/A
2468	3,5	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO40514	Y	N/A
2469	3,5	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO30994	Y	N/A
2470	1,3	TRIANGULAR	-1.881600E+01	-1.874960E+01	-2.069900E+01	-1.700000E+01	log(m ²)	WPO30640	Y&N	1
2470	1,3	TRIANGULAR	-1.881600E+01	-1.874960E+01	-2.069900E+01	-1.700000E+01	log(m ²)	WPO30994	Y&N	1
2470	1,3	TRIANGULAR	-1.881600E+01	-1.874960E+01	-2.069900E+01	-1.700000E+01	log(m ²)	WPO35268	Y&N	1
2470	1,3	TRIANGULAR	-1.881600E+01	-1.874960E+01	-2.069900E+01	-1.700000E+01	log(m ²)	WPO35597	Y&N	1
2470	1,3	TRIANGULAR	-1.881600E+01	-1.874960E+01	-2.069900E+01	-1.700000E+01	log(m ²)	WPO41558	Y&N	1
2471	1,3	TRIANGULAR	-1.881600E+01	-1.874960E+01	-2.069900E+01	-1.700000E+01	log(m ²)	WPO30640	Y&N	1
2471	1,3	TRIANGULAR	-1.881600E+01	-1.874960E+01	-2.069900E+01	-1.700000E+01	log(m ²)	WPO30994	Y&N	1
2471	1,3	TRIANGULAR	-1.881600E+01	-1.874960E+01	-2.069900E+01	-1.700000E+01	log(m ²)	WPO35268	Y&N	1
2471	1,3	TRIANGULAR	-1.881600E+01	-1.874960E+01	-2.069900E+01	-1.700000E+01	log(m ²)	WPO35597	Y&N	1
2471	1,3	TRIANGULAR	-1.881600E+01	-1.874960E+01	-2.069900E+01	-1.700000E+01	log(m ²)	WPO41558	Y&N	1
2472	1,3	TRIANGULAR	-1.881600E+01	-1.874960E+01	-2.069900E+01	-1.700000E+01	log(m ²)	WPO30640	Y&N	1
2472	1,3	TRIANGULAR	-1.881600E+01	-1.874960E+01	-2.069900E+01	-1.700000E+01	log(m ²)	WPO30994	Y&N	1
2472	1,3	TRIANGULAR	-1.881600E+01	-1.874960E+01	-2.069900E+01	-1.700000E+01	log(m ²)	WPO35268	Y&N	1
2472	1,3	TRIANGULAR	-1.881600E+01	-1.874960E+01	-2.069900E+01	-1.700000E+01	log(m ²)	WPO35597	Y&N	1
2472	1,3	TRIANGULAR	-1.881600E+01	-1.874960E+01	-2.069900E+01	-1.700000E+01	log(m ²)	WPO41558	Y&N	1
2476	1,3,4	CONSTANT	4.000000E+00	4.000000E+00	4.000000E+00	4.000000E+00	NONE	WPO30640	Y	N/A
2476	1,3,4	CONSTANT	4.000000E+00	4.000000E+00	4.000000E+00	4.000000E+00	NONE	WPO30994	Y	N/A
2476	1,3,4	CONSTANT	4.000000E+00	4.000000E+00	4.000000E+00	4.000000E+00	NONE	WPO35597	Y	N/A
2476	1,3,4	CONSTANT	4.000000E+00	4.000000E+00	4.000000E+00	4.000000E+00	NONE	WPO40486	Y	N/A

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 454 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		2476	CONC_T1	Concrete column:0 to 400 years	REL_P_MOD	Model number, relative permeability model	32605A	14-Feb-96	Y	4B
Y		2477	CONC_T1	Concrete column:0 to 400 years	SAT_IBRN	Initial Brine Saturation	32621A	28-Feb-96	Y	1
Y		2477	CONC_T1	Concrete column:0 to 400 years	SAT_IBRN	Initial Brine Saturation	32621A	28-Feb-96	Y	1
Y		2477	CONC_T1	Concrete column:0 to 400 years	SAT_IBRN	Initial Brine Saturation	32621A	28-Feb-96	Y	1
Y	100	2478	CONC_T1	Concrete column:0 to 400 years	SAT_RBRN	Residual Brine Saturation	32623	14-Feb-96	Y	1
Y	100	2478	CONC_T1	Concrete column:0 to 400 years	SAT_RBRN	Residual Brine Saturation	32623	14-Feb-96	Y	1
Y	100	2478	CONC_T1	Concrete column:0 to 400 years	SAT_RBRN	Residual Brine Saturation	32623	14-Feb-96	Y	1
Y	100	2478	CONC_T1	Concrete column:0 to 400 years	SAT_RBRN	Residual Brine Saturation	32623	14-Feb-96	Y	1
Y	100	2478	CONC_T1	Concrete column:0 to 400 years	SAT_RBRN	Residual Brine Saturation	32623	14-Feb-96	Y	1
Y	100	2478	CONC_T1	Concrete column:0 to 400 years	SAT_RBRN	Residual Brine Saturation	32623	14-Feb-96	Y	1
Y	100	2479	CONC_T1	Concrete column:0 to 400 years	SAT_RGAS	Residual Gas Saturation	32625	14-Feb-96	Y	1
Y	100	2479	CONC_T1	Concrete column:0 to 400 years	SAT_RGAS	Residual Gas Saturation	32625	14-Feb-96	Y	1
Y	100	2479	CONC_T1	Concrete column:0 to 400 years	SAT_RGAS	Residual Gas Saturation	32625	14-Feb-96	Y	1
Y	100	2479	CONC_T1	Concrete column:0 to 400 years	SAT_RGAS	Residual Gas Saturation	32625	14-Feb-96	Y	1
Y	100	2479	CONC_T1	Concrete column:0 to 400 years	SAT_RGAS	Residual Gas Saturation	32625	14-Feb-96	Y	1
Y	50	2480	CONC_T2	Concrete column:400 to 10K years	CAP_MOD	Model number, capillary pressure model	32631A	14-Feb-96	Y	4B
Y	50	2480	CONC_T2	Concrete column:400 to 10K years	CAP_MOD	Model number, capillary pressure model	32631A	14-Feb-96	Y	4B
Y	50	2480	CONC_T2	Concrete column:400 to 10K years	CAP_MOD	Model number, capillary pressure model	32631A	14-Feb-96	Y	4B
Y	50	2480	CONC_T2	Concrete column:400 to 10K years	CAP_MOD	Model number, capillary pressure model	32631A	14-Feb-96	Y	4B
Y	50	2480	CONC_T2	Concrete column:400 to 10K years	CAP_MOD	Model number, capillary pressure model	32631A	14-Feb-96	Y	4B
Y		2481	CONC_T2	Concrete column:400 to 10K years	COMP_RCK	Bulk Compressibility	32638	02-May-96	Y	4B
Y		2481	CONC_T2	Concrete column:400 to 10K years	COMP_RCK	Bulk Compressibility	32638	02-May-96	Y	4B
Y		2481	CONC_T2	Concrete column:400 to 10K years	COMP_RCK	Bulk Compressibility	32638	02-May-96	Y	4B
Y		2482	CONC_T2	Concrete column:400 to 10K years	PC_MAX	Maximum allowable capillary pressure	32657A	14-Feb-96	Y	4B
Y		2482	CONC_T2	Concrete column:400 to 10K years	PC_MAX	Maximum allowable capillary pressure	32657A	14-Feb-96	Y	4B
Y		2482	CONC_T2	Concrete column:400 to 10K years	PC_MAX	Maximum allowable capillary pressure	32657A	14-Feb-96	Y	4B
Y		2482	CONC_T2	Concrete column:400 to 10K years	PC_MAX	Maximum allowable capillary pressure	32657A	14-Feb-96	Y	4B
Y		2482	CONC_T2	Concrete column:400 to 10K years	PC_MAX	Maximum allowable capillary pressure	32657A	14-Feb-96	Y	4B
Y	varies	2483	CONC_T2	Concrete column:400 to 10K years	PORE_DIS	Brooks-Corey pore distribution parameter	32658	20-Feb-96	Y	1

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to quality existing data? (footnote 3)
2476	1,3,4	CONSTANT	4.000000E+00	4.000000E+00	4.000000E+00	4.000000E+00	NONE	WPO40514	Y	N/A
2477	1,3	CONSTANT	9.999990E-01	9.999990E-01	9.999990E-01	9.999990E-01	NONE	WPO30640	Y	N/A
2477	1,3	CONSTANT	9.999990E-01	9.999990E-01	9.999990E-01	9.999990E-01	NONE	WPO35597	Y	N/A
2477	1,3	CONSTANT	9.999990E-01	9.999990E-01	9.999990E-01	9.999990E-01	NONE	WPO39169	Y	N/A
2478	3,4	CUMULATIVE	2.500000E-01	2.000000E-01	0.000000E+00	6.000000E-01	NONE	WPO30640	Y	N/A
2478	3,4	CUMULATIVE	2.500000E-01	2.000000E-01	0.000000E+00	6.000000E-01	NONE	WPO30994	Y	N/A
2478	3,4	CUMULATIVE	2.500000E-01	2.000000E-01	0.000000E+00	6.000000E-01	NONE	WPO35268	Y	N/A
2478	3,4	CUMULATIVE	2.500000E-01	2.000000E-01	0.000000E+00	6.000000E-01	NONE	WPO35597	Y	N/A
2478	3,4	CUMULATIVE	2.500000E-01	2.000000E-01	0.000000E+00	6.000000E-01	NONE	WPO41558	Y	N/A
2478	3,4	CUMULATIVE	2.500000E-01	2.000000E-01	0.000000E+00	6.000000E-01	NONE	WPO42751	Y	N/A
2479	3,4	UNIFORM	2.000000E-01	2.000000E-01	0.000000E+00	4.000000E-01	NONE	WPO30640	Y	N/A
2479	3,4	UNIFORM	2.000000E-01	2.000000E-01	0.000000E+00	4.000000E-01	NONE	WPO30994	Y	N/A
2479	3,4	UNIFORM	2.000000E-01	2.000000E-01	0.000000E+00	4.000000E-01	NONE	WPO35268	Y	N/A
2479	3,4	UNIFORM	2.000000E-01	2.000000E-01	0.000000E+00	4.000000E-01	NONE	WPO35597	Y	N/A
2479	3,4	UNIFORM	2.000000E-01	2.000000E-01	0.000000E+00	4.000000E-01	NONE	WPO41558	Y	N/A
2480	1,3,4	CONSTANT	2.000000E+00	2.000000E+00	2.000000E+00	2.000000E+00	NONE	WPO30640	Y	N/A
2480	1,3,4	CONSTANT	2.000000E+00	2.000000E+00	2.000000E+00	2.000000E+00	NONE	WPO30994	Y	N/A
2480	1,3,4	CONSTANT	2.000000E+00	2.000000E+00	2.000000E+00	2.000000E+00	NONE	WPO35597	Y	N/A
2480	1,3,4	CONSTANT	2.000000E+00	2.000000E+00	2.000000E+00	2.000000E+00	NONE	WPO40486	Y	N/A
2480	1,3,4	CONSTANT	2.000000E+00	2.000000E+00	2.000000E+00	2.000000E+00	NONE	WPO40514	Y	N/A
2481	1,3,4	CONSTANT	1.200000E-09	1.200000E-09	1.200000E-09	1.200000E-09	Pa ⁻¹	WPO30640	Y	N/A
2481	1,3,4	CONSTANT	1.200000E-09	1.200000E-09	1.200000E-09	1.200000E-09	Pa ⁻¹	WPO30994	Y	N/A
2481	1,3,4	CONSTANT	1.200000E-09	1.200000E-09	1.200000E-09	1.200000E-09	Pa ⁻¹	WPO40514	Y	N/A
2482	1,3	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO30640	Y	N/A
2482	1,3	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO30994	Y	N/A
2482	1,3	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO35597	Y	N/A
2482	1,3	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO40486	Y	N/A
2482	1,3	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO40514	Y	N/A
2483	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO30640	Y	N/A

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 454 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y	varies	2483	CONC_T2	Concrete column:400 to 10K years	PORE_DIS	Brooks-Corey pore distribution parameter	32658	20-Feb-96	Y	1
Y	varies	2483	CONC_T2	Concrete column:400 to 10K years	PORE_DIS	Brooks-Corey pore distribution parameter	32658	20-Feb-96	Y	1
Y	varies	2483	CONC_T2	Concrete column:400 to 10K years	PORE_DIS	Brooks-Corey pore distribution parameter	32658	20-Feb-96	Y	1
Y	varies	2483	CONC_T2	Concrete column:400 to 10K years	PORE_DIS	Brooks-Corey pore distribution parameter	32658	20-Feb-96	Y	1
Y	varies	2483	CONC_T2	Concrete column:400 to 10K years	PORE_DIS	Brooks-Corey pore distribution parameter	32658	20-Feb-96	Y	1
Y		2484	CONC_T2	Concrete column:400 to 10K years	POROSITY	Effective porosity	32659	14-Feb-96	Y	1
Y		2484	CONC_T2	Concrete column:400 to 10K years	POROSITY	Effective porosity	32659	14-Feb-96	Y	1
Y		2484	CONC_T2	Concrete column:400 to 10K years	POROSITY	Effective porosity	32659	14-Feb-96	Y	1
Y		2485	CONC_T2	Concrete column:400 to 10K years	PRESSURE	Brine far-field pore pressure	32661	20-Feb-96	Y	4A
Y		2485	CONC_T2	Concrete column:400 to 10K years	PRESSURE	Brine far-field pore pressure	32661	20-Feb-96	Y	4A
Y		2486	CONC_T2	Concrete column:400 to 10K years	PRMX_LOG	Log of intrinsic permeability, X-direction	32662	03-Nov-95	Y	1
Y		2486	CONC_T2	Concrete column:400 to 10K years	PRMX_LOG	Log of intrinsic permeability, X-direction	32662	03-Nov-95	Y	1
Y		2486	CONC_T2	Concrete column:400 to 10K years	PRMX_LOG	Log of intrinsic permeability, X-direction	32662	03-Nov-95	Y	1
Y		2487	CONC_T2	Concrete column:400 to 10K years	PRMY_LOG	Log of intrinsic permeability, Y-direction	32663	03-Nov-95	Y	1
Y		2487	CONC_T2	Concrete column:400 to 10K years	PRMY_LOG	Log of intrinsic permeability, Y-direction	32663	03-Nov-95	Y	1
Y		2487	CONC_T2	Concrete column:400 to 10K years	PRMY_LOG	Log of intrinsic permeability, Y-direction	32663	03-Nov-95	Y	1
Y		2488	CONC_T2	Concrete column:400 to 10K years	PRMZ_LOG	Log of intrinsic permeability, Z-direction	32664	03-Nov-95	Y	1
Y		2488	CONC_T2	Concrete column:400 to 10K years	PRMZ_LOG	Log of intrinsic permeability, Z-direction	32664	03-Nov-95	Y	1
Y		2488	CONC_T2	Concrete column:400 to 10K years	PRMZ_LOG	Log of intrinsic permeability, Z-direction	32664	03-Nov-95	Y	1
Y		2492	CONC_T2	Concrete column:400 to 10K years	RELP_MOD	Model number, relative permeability model	32668A	14-Feb-96	Y	4B
Y		2492	CONC_T2	Concrete column:400 to 10K years	RELP_MOD	Model number, relative permeability model	32668A	14-Feb-96	Y	4B
Y		2492	CONC_T2	Concrete column:400 to 10K years	RELP_MOD	Model number, relative permeability model	32668A	14-Feb-96	Y	4B
Y		2492	CONC_T2	Concrete column:400 to 10K years	RELP_MOD	Model number, relative permeability model	32668A	14-Feb-96	Y	4B
Y		2492	CONC_T2	Concrete column:400 to 10K years	RELP_MOD	Model number, relative permeability model	32668A	14-Feb-96	Y	4B

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NOA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
2483	3,4	CUMULATIVE	2.5200000E+00	9.4000000E-01	1.1000000E-01	8.1000000E+00	NONE	WPO30994	Y	N/A
2483	3,4	CUMULATIVE	2.5200000E+00	9.4000000E-01	1.1000000E-01	8.1000000E+00	NONE	WPO32287	Y	N/A
2483	3,4	CUMULATIVE	2.5200000E+00	9.4000000E-01	1.1000000E-01	8.1000000E+00	NONE	WPO35268	Y	N/A
2483	3,4	CUMULATIVE	2.5200000E+00	9.4000000E-01	1.1000000E-01	8.1000000E+00	NONE	WPO35597	Y	N/A
2483	3,4	CUMULATIVE	2.5200000E+00	9.4000000E-01	1.1000000E-01	8.1000000E+00	NONE	WPO41558	Y	N/A
2484	1,3	CONSTANT	5.0000000E-02	5.0000000E-02	5.0000000E-02	5.0000000E-02	m ³ /m ³	WPO30640	Y&N	1
2484	1,3	CONSTANT	5.0000000E-02	5.0000000E-02	5.0000000E-02	5.0000000E-02	m ³ /m ³	WPO30994	Y&N	1
2484	1,3	CONSTANT	5.0000000E-02	5.0000000E-02	5.0000000E-02	5.0000000E-02	m ³ /m ³	WPO35597	Y&N	1
2485	1,3	CONSTANT	1.0132500E+05	1.0132500E+05	1.0132500E+05	1.0132500E+05	Pa	WPO35597	Y	N/A
2485	1,3	CONSTANT	1.0132500E+05	1.0132500E+05	1.0132500E+05	1.0132500E+05	Pa	WPO36058	Y	N/A
2486	1,3	CONSTANT	-1.4000000E+01	-1.4000000E+01	-1.4000000E+01	-1.4000000E+01	log(m ²)	WPO30640	Y	N/A
2486	1,3	CONSTANT	-1.4000000E+01	-1.4000000E+01	-1.4000000E+01	-1.4000000E+01	log(m ²)	WPO30994	Y	N/A
2486	1,3	CONSTANT	-1.4000000E+01	-1.4000000E+01	-1.4000000E+01	-1.4000000E+01	log(m ²)	WPO35597	Y	N/A
2487	1,3	CONSTANT	-1.4000000E+01	-1.4000000E+01	-1.4000000E+01	-1.4000000E+01	log(m ²)	WPO30640	Y	N/A
2487	1,3	CONSTANT	-1.4000000E+01	-1.4000000E+01	-1.4000000E+01	-1.4000000E+01	log(m ²)	WPO30994	Y	N/A
2487	1,3	CONSTANT	-1.4000000E+01	-1.4000000E+01	-1.4000000E+01	-1.4000000E+01	log(m ²)	WPO35597	Y	N/A
2488	1,3	CONSTANT	-1.4000000E+01	-1.4000000E+01	-1.4000000E+01	-1.4000000E+01	log(m ²)	WPO30640	Y	N/A
2488	1,3	CONSTANT	-1.4000000E+01	-1.4000000E+01	-1.4000000E+01	-1.4000000E+01	log(m ²)	WPO30994	Y	N/A
2488	1,3	CONSTANT	-1.4000000E+01	-1.4000000E+01	-1.4000000E+01	-1.4000000E+01	log(m ²)	WPO35597	Y	N/A
2492	1,3,4	CONSTANT	4.0000000E+00	4.0000000E+00	4.0000000E+00	4.0000000E+00	NONE	WPO30640	Y	N/A
2492	1,3,4	CONSTANT	4.0000000E+00	4.0000000E+00	4.0000000E+00	4.0000000E+00	NONE	WPO30994	Y	N/A
2492	1,3,4	CONSTANT	4.0000000E+00	4.0000000E+00	4.0000000E+00	4.0000000E+00	NONE	WPO35597	Y	N/A
2492	1,3,4	CONSTANT	4.0000000E+00	4.0000000E+00	4.0000000E+00	4.0000000E+00	NONE	WPO40486	Y	N/A
2492	1,3,4	CONSTANT	4.0000000E+00	4.0000000E+00	4.0000000E+00	4.0000000E+00	NONE	WPO40514	Y	N/A

CCA-Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 454 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		2493	CONC_T2	Concrete column:400 to 10K years	SAT_IBRN	Initial Brine Saturation	32675	21-Feb-96	Y	4A
Y		2493	CONC_T2	Concrete column:400 to 10K years	SAT_IBRN	Initial Brine Saturation	32675	21-Feb-96	Y	4A
Y	100	2494	CONC_T2	Concrete column:400 to 10K years	SAT_RBRN	Residual Brine Saturation	32676	14-Feb-96	Y	1
Y	100	2494	CONC_T2	Concrete column:400 to 10K years	SAT_RBRN	Residual Brine Saturation	32676	14-Feb-96	Y	1
Y	100	2494	CONC_T2	Concrete column:400 to 10K years	SAT_RBRN	Residual Brine Saturation	32676	14-Feb-96	Y	1
Y	100	2494	CONC_T2	Concrete column:400 to 10K years	SAT_RBRN	Residual Brine Saturation	32676	14-Feb-96	Y	1
Y	100	2494	CONC_T2	Concrete column:400 to 10K years	SAT_RBRN	Residual Brine Saturation	32676	14-Feb-96	Y	1
Y	100	2494	CONC_T2	Concrete column:400 to 10K years	SAT_RBRN	Residual Brine Saturation	32676	14-Feb-96	Y	1
Y	100	2494	CONC_T2	Concrete column:400 to 10K years	SAT_RBRN	Residual Brine Saturation	32676	14-Feb-96	Y	1
Y	100	2495	CONC_T2	Concrete column:400 to 10K years	SAT_RGAS	Residual Gas Saturation	32678	14-Feb-96	Y	1
Y	100	2495	CONC_T2	Concrete column:400 to 10K years	SAT_RGAS	Residual Gas Saturation	32678	14-Feb-96	Y	1
Y	100	2495	CONC_T2	Concrete column:400 to 10K years	SAT_RGAS	Residual Gas Saturation	32678	14-Feb-96	Y	1
Y	100	2495	CONC_T2	Concrete column:400 to 10K years	SAT_RGAS	Residual Gas Saturation	32678	14-Feb-96	Y	1
Y	100	2495	CONC_T2	Concrete column:400 to 10K years	SAT_RGAS	Residual Gas Saturation	32678	14-Feb-96	Y	1
Y	50	2496	EARTH	Earthen Fill	CAP_MOD	Model number capillary pressure model	32916A	14-Feb-96	Y	4B
Y	50	2496	EARTH	Earthen Fill	CAP_MOD	Model number capillary pressure model	32916A	14-Feb-96	Y	4B
Y	50	2496	EARTH	Earthen Fill	CAP_MOD	Model number capillary pressure model	32916A	14-Feb-96	Y	4B
Y	50	2496	EARTH	Earthen Fill	CAP_MOD	Model number capillary pressure model	32916A	14-Feb-96	Y	4B
Y	50	2496	EARTH	Earthen Fill	CAP_MOD	Model number capillary pressure model	32916A	14-Feb-96	Y	4B
Y		2497	EARTH	Earthen Fill	COMP_RCK	Bulk Compressibility	32918	14-Feb-96	Y	1
Y		2497	EARTH	Earthen Fill	COMP_RCK	Bulk Compressibility	32918	14-Feb-96	Y	1
Y		2497	EARTH	Earthen Fill	COMP_RCK	Bulk Compressibility	32918	14-Feb-96	Y	1
Y		2498	EARTH	Earthen Fill	PC_MAX	Maximum allowable capillary pressure	32922A	03-Nov-95	Y	4B
Y		2498	EARTH	Earthen Fill	PC_MAX	Maximum allowable capillary pressure	32922A	03-Nov-95	Y	4B
Y		2498	EARTH	Earthen Fill	PC_MAX	Maximum allowable capillary pressure	32922A	03-Nov-95	Y	4B
Y		2498	EARTH	Earthen Fill	PC_MAX	Maximum allowable capillary pressure	32922A	03-Nov-95	Y	4B
Y		2498	EARTH	Earthen Fill	PC_MAX	Maximum allowable capillary pressure	32922A	03-Nov-95	Y	4B
Y	varies	2499	EARTH	Earthen Fill	PORE_DIS	Brooks-Corey pore distribution parameter	32923	20-Feb-96	Y	1
Y	varies	2499	EARTH	Earthen Fill	PORE_DIS	Brooks-Corey pore distribution parameter	32923	20-Feb-96	Y	1
Y	varies	2499	EARTH	Earthen Fill	PORE_DIS	Brooks-Corey pore distribution parameter	32923	20-Feb-96	Y	1
Y	varies	2499	EARTH	Earthen Fill	PORE_DIS	Brooks-Corey pore distribution parameter	32923	20-Feb-96	Y	1
Y	varies	2499	EARTH	Earthen Fill	PORE_DIS	Brooks-Corey pore distribution parameter	32923	20-Feb-96	Y	1

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
2493	Not Used	CONSTANT	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	NONE	WPO30994	Y	N/A
2493	Not Used	CONSTANT	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	NONE	WPO35597	Y	N/A
2494	3,4	CUMULATIVE	2.500000E-01	2.000000E-01	0.000000E+00	6.000000E-01	NONE	WPO30640	Y	N/A
2494	3,4	CUMULATIVE	2.500000E-01	2.000000E-01	0.000000E+00	6.000000E-01	NONE	WPO30994	Y	N/A
2494	3,4	CUMULATIVE	2.500000E-01	2.000000E-01	0.000000E+00	6.000000E-01	NONE	WPO35268	Y	N/A
2494	3,4	CUMULATIVE	2.500000E-01	2.000000E-01	0.000000E+00	6.000000E-01	NONE	WPO35597	Y	N/A
2494	3,4	CUMULATIVE	2.500000E-01	2.000000E-01	0.000000E+00	6.000000E-01	NONE	WPO41558	Y	N/A
2494	3,4	CUMULATIVE	2.500000E-01	2.000000E-01	0.000000E+00	6.000000E-01	NONE	WPO42751	Y	N/A
2495	3,4	UNIFORM	2.000000E-01	2.000000E-01	0.000000E+00	4.000000E-01	NONE	WPO30640	Y	N/A
2495	3,4	UNIFORM	2.000000E-01	2.000000E-01	0.000000E+00	4.000000E-01	NONE	WPO30994	Y	N/A
2495	3,4	UNIFORM	2.000000E-01	2.000000E-01	0.000000E+00	4.000000E-01	NONE	WPO35268	Y	N/A
2495	3,4	UNIFORM	2.000000E-01	2.000000E-01	0.000000E+00	4.000000E-01	NONE	WPO35597	Y	N/A
2495	3,4	UNIFORM	2.000000E-01	2.000000E-01	0.000000E+00	4.000000E-01	NONE	WPO41558	Y	N/A
2496	1,3,4	CONSTANT	2.000000E+00	2.000000E+00	2.000000E+00	2.000000E+00	NONE	WPO30640	Y	N/A
2496	1,3,4	CONSTANT	2.000000E+00	2.000000E+00	2.000000E+00	2.000000E+00	NONE	WPO30994	Y	N/A
2496	1,3,4	CONSTANT	2.000000E+00	2.000000E+00	2.000000E+00	2.000000E+00	NONE	WPO35597	Y	N/A
2496	1,3,4	CONSTANT	2.000000E+00	2.000000E+00	2.000000E+00	2.000000E+00	NONE	WPO40486	Y	N/A
2496	1,3,4	CONSTANT	2.000000E+00	2.000000E+00	2.000000E+00	2.000000E+00	NONE	WPO40514	Y	N/A
2497	3,4	CONSTANT	3.100000E-08	3.100000E-08	3.100000E-08	3.100000E-08	Pa ⁻¹	WPO30640	Y	N/A
2497	3,4	CONSTANT	3.100000E-08	3.100000E-08	3.100000E-08	3.100000E-08	Pa ⁻¹	WPO30994	Y	N/A
2497	3,4	CONSTANT	3.100000E-08	3.100000E-08	3.100000E-08	3.100000E-08	Pa ⁻¹	WPO35597	Y	N/A
2498	3,5	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO30640	Y	N/A
2498	3,5	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO30994	Y	N/A
2498	3,5	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO35597	Y	N/A
2498	3,5	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO40486	Y	N/A
2498	3,5	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO40514	Y	N/A
2499	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO30640	Y	N/A
2499	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO30994	Y	N/A
2499	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO32287	Y	N/A
2499	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO35268	Y	N/A
2499	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO35597	Y	N/A

CCA-Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 464 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y	varies	2499	EARTH	Earthen Fill	PORE_DIS	Brooks-Corey pore distribution parameter	32923	20-Feb-96	Y	1
Y		2500	EARTH	Earthen Fill	POROSITY	Effective porosity	32924	14-Feb-96	Y	1
Y		2500	EARTH	Earthen Fill	POROSITY	Effective porosity	32924	14-Feb-96	Y	1
Y		2500	EARTH	Earthen Fill	POROSITY	Effective porosity	32924	14-Feb-96	Y	1
Y		2501	EARTH	Earthen Fill	PO_MIN	Minimum brine pressure for capillary model KPC=3	32925	21-Feb-96	Y	4B
Y		2501	EARTH	Earthen Fill	PO_MIN	Minimum brine pressure for capillary model KPC=3	32925	21-Feb-96	Y	4B
Y		2501	EARTH	Earthen Fill	PO_MIN	Minimum brine pressure for capillary model KPC=3	32925	21-Feb-96	Y	4B
Y		2502	EARTH	Earthen Fill	PRESSURE	Brine far-field pore pressure	32926	20-Feb-96	Y	1
Y		2502	EARTH	Earthen Fill	PRESSURE	Brine far-field pore pressure	32926	20-Feb-96	Y	1
Y		2503	EARTH	Earthen Fill	PRMX_LOG	Log of intrinsic permeability, X-direction	32927	14-Feb-96	Y	1
Y		2503	EARTH	Earthen Fill	PRMX_LOG	Log of intrinsic permeability, X-direction	32927	14-Feb-96	Y	1
Y		2503	EARTH	Earthen Fill	PRMX_LOG	Log of intrinsic permeability, X-direction	32927	14-Feb-96	Y	1
Y		2503	EARTH	Earthen Fill	PRMX_LOG	Log of intrinsic permeability, X-direction	32927	14-Feb-96	Y	1
Y		2504	EARTH	Earthen Fill	PRMY_LOG	Log of intrinsic permeability, Y-direction	32928	14-Feb-96	Y	1
Y		2504	EARTH	Earthen Fill	PRMY_LOG	Log of intrinsic permeability, Y-direction	32928	14-Feb-96	Y	1
Y		2504	EARTH	Earthen Fill	PRMY_LOG	Log of intrinsic permeability, Y-direction	32928	14-Feb-96	Y	1
Y		2504	EARTH	Earthen Fill	PRMY_LOG	Log of intrinsic permeability, Y-direction	32928	14-Feb-96	Y	1
Y		2505	EARTH	Earthen Fill	PRMZ_LOG	Log of intrinsic permeability, Z-direction	32944	14-Feb-96	Y	1
Y		2505	EARTH	Earthen Fill	PRMZ_LOG	Log of intrinsic permeability, Z-direction	32944	14-Feb-96	Y	1
Y		2505	EARTH	Earthen Fill	PRMZ_LOG	Log of intrinsic permeability, Z-direction	32944	14-Feb-96	Y	1
Y		2505	EARTH	Earthen Fill	PRMZ_LOG	Log of intrinsic permeability, Z-direction	32944	14-Feb-96	Y	1
Y		2509	EARTH	Earthen Fill	RELP_MOD	Model number, relative permeability model	32952A	14-Feb-96	Y	4B
Y		2509	EARTH	Earthen Fill	RELP_MOD	Model number, relative permeability model	32952A	14-Feb-96	Y	4B
Y		2509	EARTH	Earthen Fill	RELP_MOD	Model number, relative permeability model	32952A	14-Feb-96	Y	4B
Y		2509	EARTH	Earthen Fill	RELP_MOD	Model number, relative permeability model	32952A	14-Feb-96	Y	4B
Y		2509	EARTH	Earthen Fill	RELP_MOD	Model number, relative permeability model	32952A	14-Feb-96	Y	4B
Y	-25	2510	EARTH	Earthen Fill	SAT_IBRN	Initial Brine Saturation	32961	03-Nov-95	Y	1
Y	-25	2510	EARTH	Earthen Fill	SAT_IBRN	Initial Brine Saturation	32961	03-Nov-95	Y	1
Y	-25	2510	EARTH	Earthen Fill	SAT_IBRN	Initial Brine Saturation	32961	03-Nov-95	Y	1
Y	-25	2510	EARTH	Earthen Fill	SAT_IBRN	Initial Brine Saturation	32961	03-Nov-95	Y	1
Y	100	2511	EARTH	Earthen Fill	SAT_RBRN	Residual Brine Saturation	32963	14-Feb-96	Y	1
Y	100	2511	EARTH	Earthen Fill	SAT_RBRN	Residual Brine Saturation	32963	14-Feb-96	Y	1
Y	100	2511	EARTH	Earthen Fill	SAT_RBRN	Residual Brine Saturation	32963	14-Feb-96	Y	1
Y	100	2511	EARTH	Earthen Fill	SAT_RBRN	Residual Brine Saturation	32963	14-Feb-96	Y	1
Y	100	2511	EARTH	Earthen Fill	SAT_RBRN	Residual Brine Saturation	32963	14-Feb-96	Y	1
Y	100	2511	EARTH	Earthen Fill	SAT_RBRN	Residual Brine Saturation	32963	14-Feb-96	Y	1
Y	100	2512	EARTH	Earthen Fill	SAT_RGAS	Residual Gas Saturation	32964	14-Feb-96	Y	1
Y	100	2512	EARTH	Earthen Fill	SAT_RGAS	Residual Gas Saturation	32964	14-Feb-96	Y	1
Y	100	2512	EARTH	Earthen Fill	SAT_RGAS	Residual Gas Saturation	32964	14-Feb-96	Y	1
Y	100	2512	EARTH	Earthen Fill	SAT_RGAS	Residual Gas Saturation	32964	14-Feb-96	Y	1
Y	100	2512	EARTH	Earthen Fill	SAT_RGAS	Residual Gas Saturation	32964	14-Feb-96	Y	1
Y	50	2513	SALT_T1	Shaft salt column compacted time 0 to 10 years	CAP_MOD	Model number, capillary pressure model	33356A	27-Oct-95	Y	4B

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
2499	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO41558	Y	N/A
2500	3,4	CONSTANT	3.200000E-01	3.200000E-01	3.200000E-01	3.200000E-01	m³/m³	WPO30640	Y	N/A
2500	3,4	CONSTANT	3.200000E-01	3.200000E-01	3.200000E-01	3.200000E-01	m³/m³	WPO30994	Y	N/A
2500	3,4	CONSTANT	3.200000E-01	3.200000E-01	3.200000E-01	3.200000E-01	m³/m³	WPO35597	Y	N/A
2501	3,5	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO35597	Y	N/A
2501	3,5	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO36051	Y	N/A
2501	3,5	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO40514	Y	N/A
2502	3,5	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO35597	Y	N/A
2502	3,5	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO36058	Y	N/A
2503	3,4	TRIANGULAR	-1.433300E+01	-1.400000E+01	-1.700000E+01	-1.200000E+01	log(m²)	WPO30640	Y	N/A
2503	3,4	TRIANGULAR	-1.433300E+01	-1.400000E+01	-1.700000E+01	-1.200000E+01	log(m²)	WPO30994	Y	N/A
2503	3,4	TRIANGULAR	-1.433300E+01	-1.400000E+01	-1.700000E+01	-1.200000E+01	log(m²)	WPO35268	Y	N/A
2503	3,4	TRIANGULAR	-1.433300E+01	-1.400000E+01	-1.700000E+01	-1.200000E+01	log(m²)	WPO35597	Y	N/A
2504	3,4	TRIANGULAR	-1.433300E+01	-1.400000E+01	-1.700000E+01	-1.200000E+01	log(m²)	WPO30640	Y	N/A
2504	3,4	TRIANGULAR	-1.433300E+01	-1.400000E+01	-1.700000E+01	-1.200000E+01	log(m²)	WPO30994	Y	N/A
2504	3,4	TRIANGULAR	-1.433300E+01	-1.400000E+01	-1.700000E+01	-1.200000E+01	log(m²)	WPO35268	Y	N/A
2504	3,4	TRIANGULAR	-1.433300E+01	-1.400000E+01	-1.700000E+01	-1.200000E+01	log(m²)	WPO35597	Y	N/A
2505	3,4	TRIANGULAR	-1.433300E+01	-1.400000E+01	-1.700000E+01	-1.200000E+01	log(m²)	WPO30640	Y	N/A
2505	3,4	TRIANGULAR	-1.433300E+01	-1.400000E+01	-1.700000E+01	-1.200000E+01	log(m²)	WPO30994	Y	N/A
2505	3,4	TRIANGULAR	-1.433300E+01	-1.400000E+01	-1.700000E+01	-1.200000E+01	log(m²)	WPO35268	Y	N/A
2505	3,4	TRIANGULAR	-1.433300E+01	-1.400000E+01	-1.700000E+01	-1.200000E+01	log(m²)	WPO35597	Y	N/A
2509	1,3,4	CONSTANT	4.000000E+00	4.000000E+00	4.000000E+00	4.000000E+00	NONE	WPO30640	Y	N/A
2509	1,3,4	CONSTANT	4.000000E+00	4.000000E+00	4.000000E+00	4.000000E+00	NONE	WPO30994	Y	N/A
2509	1,3,4	CONSTANT	4.000000E+00	4.000000E+00	4.000000E+00	4.000000E+00	NONE	WPO35597	Y	N/A
2509	1,3,4	CONSTANT	4.000000E+00	4.000000E+00	4.000000E+00	4.000000E+00	NONE	WPO40486	Y	N/A
2509	1,3,4	CONSTANT	4.000000E+00	4.000000E+00	4.000000E+00	4.000000E+00	NONE	WPO40514	Y	N/A
2510	1,3,4	CONSTANT	8.000000E-01	8.000000E-01	8.000000E-01	8.000000E-01	NONE	WPO30640	Y	N/A
2510	1,3,4	CONSTANT	8.000000E-01	8.000000E-01	8.000000E-01	8.000000E-01	NONE	WPO30994	Y	N/A
2510	1,3,4	CONSTANT	8.000000E-01	8.000000E-01	8.000000E-01	8.000000E-01	NONE	WPO35597	Y	N/A
2510	1,3,4	CONSTANT	8.000000E-01	8.000000E-01	8.000000E-01	8.000000E-01	NONE	WPO40434	Y	N/A
2511	3,4	CUMULATIVE	2.500000E-01	2.000000E-01	0.000000E+00	6.000000E-01	NONE	WPO30640	Y	N/A
2511	3,4	CUMULATIVE	2.500000E-01	2.000000E-01	0.000000E+00	6.000000E-01	NONE	WPO30994	Y	N/A
2511	3,4	CUMULATIVE	2.500000E-01	2.000000E-01	0.000000E+00	6.000000E-01	NONE	WPO35268	Y	N/A
2511	3,4	CUMULATIVE	2.500000E-01	2.000000E-01	0.000000E+00	6.000000E-01	NONE	WPO35597	Y	N/A
2511	3,4	CUMULATIVE	2.500000E-01	2.000000E-01	0.000000E+00	6.000000E-01	NONE	WPO41558	Y	N/A
2511	3,4	CUMULATIVE	2.500000E-01	2.000000E-01	0.000000E+00	6.000000E-01	NONE	WPO42751	Y	N/A
2512	3,4	UNIFORM	2.000000E-01	2.000000E-01	0.000000E+00	4.000000E-01	NONE	WPO30640	Y	N/A
2512	3,4	UNIFORM	2.000000E-01	2.000000E-01	0.000000E+00	4.000000E-01	NONE	WPO30994	Y	N/A
2512	3,4	UNIFORM	2.000000E-01	2.000000E-01	0.000000E+00	4.000000E-01	NONE	WPO35268	Y	N/A
2512	3,4	UNIFORM	2.000000E-01	2.000000E-01	0.000000E+00	4.000000E-01	NONE	WPO35597	Y	N/A
2512	3,4	UNIFORM	2.000000E-01	2.000000E-01	0.000000E+00	4.000000E-01	NONE	WPO41558	Y	N/A
2513	1,3,4	CONSTANT	2.000000E+00	2.000000E+00	2.000000E+00	2.000000E+00	NONE	WPO30640	Y	N/A

CCA Parameter Listing --

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 454 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y	50	2513	SALT_T1	Shaft salt column compacted:time 0 to 10 years	CAP_MOD	Model number, capillary pressure model	33356A	27-Oct-95	Y	4B
Y	50	2513	SALT_T1	Shaft salt column compacted:time 0 to 10 years	CAP_MOD	Model number, capillary pressure model	33356A	27-Oct-95	Y	4B
Y	50	2513	SALT_T1	Shaft salt column compacted:time 0 to 10 years	CAP_MOD	Model number, capillary pressure model	33356A	27-Oct-95	Y	4B
Y	50	2513	SALT_T1	Shaft salt column compacted:time 0 to 10 years	CAP_MOD	Model number, capillary pressure model	33356A	27-Oct-95	Y	4B
Y		2514	SALT_T1	Shaft salt column compacted:time 0 to 10 years	COMP_RCK	Bulk Compressibility	33359	13-Feb-96	Y	1
Y		2514	SALT_T1	Shaft salt column compacted:time 0 to 10 years	COMP_RCK	Bulk Compressibility	33359	13-Feb-96	Y	1
Y		2514	SALT_T1	Shaft salt column compacted:time 0 to 10 years	COMP_RCK	Bulk Compressibility	33359	13-Feb-96	Y	1
Y		2515	SALT_T1	Shaft salt column compacted:time 0 to 10 years	PC_MAX	Maximum allowable capillary pressure	33373A	27-Oct-95	Y	4B
Y		2515	SALT_T1	Shaft salt column compacted:time 0 to 10 years	PC_MAX	Maximum allowable capillary pressure	33373A	27-Oct-95	Y	4B
Y		2515	SALT_T1	Shaft salt column compacted:time 0 to 10 years	PC_MAX	Maximum allowable capillary pressure	33373A	27-Oct-95	Y	4B
Y		2515	SALT_T1	Shaft salt column compacted:time 0 to 10 years	PC_MAX	Maximum allowable capillary pressure	33373A	27-Oct-95	Y	4B
Y		2515	SALT_T1	Shaft salt column compacted:time 0 to 10 years	PC_MAX	Maximum allowable capillary pressure	33373A	27-Oct-95	Y	4B
Y	vanes	2516	SALT_T1	Shaft salt column compacted:time 0 to 10 years	PORE_DIS	Brooks-Corey pore distribution parameter	33380	22-Feb-96	Y	1
Y	vanes	2516	SALT_T1	Shaft salt column compacted:time 0 to 10 years	PORE_DIS	Brooks-Corey pore distribution parameter	33380	22-Feb-96	Y	1
Y	varies	2516	SALT_T1	Shaft salt column compacted:time 0 to 10 years	PORE_DIS	Brooks-Corey pore distribution parameter	33380	22-Feb-96	Y	1
Y	varies	2516	SALT_T1	Shaft salt column compacted:time 0 to 10 years	PORE_DIS	Brooks-Corey pore distribution parameter	33380	22-Feb-96	Y	1
Y	varies	2516	SALT_T1	Shaft salt column compacted:time 0 to 10 years	PORE_DIS	Brooks-Corey pore distribution parameter	33380	22-Feb-96	Y	1
Y	varies	2516	SALT_T1	Shaft salt column compacted:time 0 to 10 years	PORE_DIS	Brooks-Corey pore distribution parameter	33380	22-Feb-96	Y	1
Y	varies	2516	SALT_T1	Shaft salt column compacted:time 0 to 10 years	PORE_DIS	Brooks-Corey pore distribution parameter	33380	22-Feb-96	Y	1
Y	varies	2516	SALT_T1	Shaft salt column compacted:time 0 to 10 years	PORE_DIS	Brooks-Corey pore distribution parameter	33380	22-Feb-96	Y	1
Y	varies	2516	SALT_T1	Shaft salt column compacted:time 0 to 10 years	PORE_DIS	Brooks-Corey pore distribution parameter	33380	22-Feb-96	Y	1
Y		2517	SALT_T1	Shaft salt column compacted:time 0 to 10 years	POROSITY	Effective porosity	33381	13-Feb-96	Y	1
Y		2517	SALT_T1	Shaft salt column compacted:time 0 to 10 years	POROSITY	Effective porosity	33381	13-Feb-96	Y	1
Y		2517	SALT_T1	Shaft salt column compacted:time 0 to 10 years	POROSITY	Effective porosity	33381	13-Feb-96	Y	1

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to quality existing data? (footnote 3)
2513	1,3,4	CONSTANT	2.000000E+00	2.000000E+00	2.000000E+00	2.000000E+00	NONE	WPO30994	Y	N/A
2513	1,3,4	CONSTANT	2.000000E+00	2.000000E+00	2.000000E+00	2.000000E+00	NONE	WPO35597	Y	N/A
2513	1,3,4	CONSTANT	2.000000E+00	2.000000E+00	2.000000E+00	2.000000E+00	NONE	WPO40486	Y	N/A
2513	1,3,4	CONSTANT	2.000000E+00	2.000000E+00	2.000000E+00	2.000000E+00	NONE	WPO40514	Y	N/A
2514	1,3,4	CONSTANT	1.600000E-09	1.600000E-09	1.600000E-09	1.600000E-09	Pa^-1	WPO30640	Y&N	1,4
2514	1,3,4	CONSTANT	1.600000E-09	1.600000E-09	1.600000E-09	1.600000E-09	Pa^-1	WPO30994	Y&N	1,4
2514	1,3,4	CONSTANT	1.600000E-09	1.600000E-09	1.600000E-09	1.600000E-09	Pa^-1	WPO35597	Y&N	1,4
2515	3,5	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO30640	Y	N/A
2515	3,5	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO30994	Y	N/A
2515	3,5	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO35597	Y	N/A
2515	3,5	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO40486	Y	N/A
2515	3,5	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO40514	Y	N/A
2516	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO30640	Y	N/A
2516	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO30994	Y	N/A
2516	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO31904	Y	N/A
2516	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO32287	Y	N/A
2516	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO35268	Y	N/A
2516	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO35597	Y	N/A
2516	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO39058	Y	N/A
2516	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO41558	Y	N/A
2516	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO42752	Y	N/A
2517	1,3,4	CONSTANT	5.000000E-02	5.000000E-02	5.000000E-02	5.000000E-02	m^3/m^3	WPO30640	Y	N/A
2517	1,3,4	CONSTANT	5.000000E-02	5.000000E-02	5.000000E-02	5.000000E-02	m^3/m^3	WPO30994	Y	N/A
2517	1,3,4	CONSTANT	5.000000E-02	5.000000E-02	5.000000E-02	5.000000E-02	m^3/m^3	WPO35597	Y	N/A

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 484 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		2518	SALT_T1	Shaft salt column compacted:time 0 to 10 years	PO_MIN	Minimum brine pressure for capillary model KPC=3	33382	21-Feb-96	Y	4B
Y		2518	SALT_T1	Shaft salt column compacted:time 0 to 10 years	PO_MIN	Minimum brine pressure for capillary model KPC=3	33382	21-Feb-96	Y	4B
Y		2518	SALT_T1	Shaft salt column compacted:time 0 to 10 years	PO_MIN	Minimum brine pressure for capillary model KPC=3	33382	21-Feb-96	Y	4B
Y		2519	SALT_T1	Shaft salt column compacted:time 0 to 10 years	PRESSURE	Brine far-field pore pressure	33386	20-Feb-96	Y	1
Y		2519	SALT_T1	Shaft salt column compacted:time 0 to 10 years	PRESSURE	Brine far-field pore pressure	33386	20-Feb-96	Y	1
Y		2526	SALT_T1	Shaft salt column compacted:time 0 to 10 years	REL_P_MOD	Model number, relative permeability model	33405A	27-Oct-95	Y	4B
Y		2526	SALT_T1	Shaft salt column compacted:time 0 to 10 years	REL_P_MOD	Model number, relative permeability model	33405A	27-Oct-95	Y	4B
Y		2526	SALT_T1	Shaft salt column compacted:time 0 to 10 years	REL_P_MOD	Model number, relative permeability model	33405A	27-Oct-95	Y	4B
Y		2526	SALT_T1	Shaft salt column compacted:time 0 to 10 years	REL_P_MOD	Model number, relative permeability model	33405A	27-Oct-95	Y	4B
Y		2526	SALT_T1	Shaft salt column compacted:time 0 to 10 years	REL_P_MOD	Model number, relative permeability model	33405A	27-Oct-95	Y	4B
Y	-212.5	2527	SALT_T1	Shaft salt column compacted:time 0 to 10 years	SAT_IBRN	Initial Brine Saturation	33416	13-Feb-96	Y	1
Y	-212.5	2527	SALT_T1	Shaft salt column compacted:time 0 to 10 years	SAT_IBRN	Initial Brine Saturation	33416	13-Feb-96	Y	1
Y	-212.5	2527	SALT_T1	Shaft salt column compacted:time 0 to 10 years	SAT_IBRN	Initial Brine Saturation	33416	13-Feb-96	Y	1
Y	-212.5	2527	SALT_T1	Shaft salt column compacted:time 0 to 10 years	SAT_IBRN	Initial Brine Saturation	33416	13-Feb-96	Y	1
Y	100	2528	SALT_T1	Shaft salt column compacted:time 0 to 10 years	SAT_RBRN	Residual Brine Saturation	33418	13-Feb-96	Y	1
Y	100	2528	SALT_T1	Shaft salt column compacted:time 0 to 10 years	SAT_RBRN	Residual Brine Saturation	33418	13-Feb-96	Y	1
Y	100	2528	SALT_T1	Shaft salt column compacted:time 0 to 10 years	SAT_RBRN	Residual Brine Saturation	33418	13-Feb-96	Y	1
Y	100	2528	SALT_T1	Shaft salt column compacted:time 0 to 10 years	SAT_RBRN	Residual Brine Saturation	33418	13-Feb-96	Y	1
Y	100	2528	SALT_T1	Shaft salt column compacted:time 0 to 10 years	SAT_RBRN	Residual Brine Saturation	33418	13-Feb-96	Y	1
Y	100	2528	SALT_T1	Shaft salt column compacted:time 0 to 10 years	SAT_RBRN	Residual Brine Saturation	33418	13-Feb-96	Y	1
Y	100	2529	SALT_T1	Shaft salt column compacted:time 0 to 10 years	SAT_RGAS	Residual Gas Saturation	33420	13-Feb-96	Y	1
Y	100	2529	SALT_T1	Shaft salt column compacted:time 0 to 10 years	SAT_RGAS	Residual Gas Saturation	33420	13-Feb-96	Y	1
Y	100	2529	SALT_T1	Shaft salt column compacted:time 0 to 10 years	SAT_RGAS	Residual Gas Saturation	33420	13-Feb-96	Y	1
Y	100	2529	SALT_T1	Shaft salt column compacted:time 0 to 10 years	SAT_RGAS	Residual Gas Saturation	33420	13-Feb-96	Y	1

CCA Parameter-Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to quality existing data? (footnote 3)
2518	3,5	CONSTANT	1.0132500E+05	1.0132500E+05	1.0132500E+05	1.0132500E+05	Pa	WPO35597	Y	N/A
2518	3,5	CONSTANT	1.0132500E+05	1.0132500E+05	1.0132500E+05	1.0132500E+05	Pa	WPO36051	Y	N/A
2518	3,5	CONSTANT	1.0132500E+05	1.0132500E+05	1.0132500E+05	1.0132500E+05	Pa	WPO40514	Y	N/A
2519	3,5	CONSTANT	1.0132500E+05	1.0132500E+05	1.0132500E+05	1.0132500E+05	Pa	WPO35597	Y	N/A
2519	3,5	CONSTANT	1.0132500E+05	1.0132500E+05	1.0132500E+05	1.0132500E+05	Pa	WPO36058	Y	N/A
2526	1,3,4	CONSTANT	4.0000000E+00	4.0000000E+00	4.0000000E+00	4.0000000E+00	NONE	WPO30640	Y	N/A
2526	1,3,4	CONSTANT	4.0000000E+00	4.0000000E+00	4.0000000E+00	4.0000000E+00	NONE	WPO30994	Y	N/A
2526	1,3,4	CONSTANT	4.0000000E+00	4.0000000E+00	4.0000000E+00	4.0000000E+00	NONE	WPO35597	Y	N/A
2526	1,3,4	CONSTANT	4.0000000E+00	4.0000000E+00	4.0000000E+00	4.0000000E+00	NONE	WPO40486	Y	N/A
2526	1,3,4	CONSTANT	4.0000000E+00	4.0000000E+00	4.0000000E+00	4.0000000E+00	NONE	WPO40514	Y	N/A
2527	1,3,4	CONSTANT	3.2000000E-01	3.2000000E-01	3.2000000E-01	3.2000000E-01	NONE	WPO30640	Y	N/A
2527	1,3,4	CONSTANT	3.2000000E-01	3.2000000E-01	3.2000000E-01	3.2000000E-01	NONE	WPO30994	Y	N/A
2527	1,3,4	CONSTANT	3.2000000E-01	3.2000000E-01	3.2000000E-01	3.2000000E-01	NONE	WPO35597	Y	N/A
2527	1,3,4	CONSTANT	3.2000000E-01	3.2000000E-01	3.2000000E-01	3.2000000E-01	NONE	WPO40434	Y	N/A
2528	3,4	CUMULATIVE	2.5000000E-01	2.0000000E-01	0.0000000E+00	6.0000000E-01	NONE	WPO30640	Y	N/A
2528	3,4	CUMULATIVE	2.5000000E-01	2.0000000E-01	0.0000000E+00	6.0000000E-01	NONE	WPO30994	Y	N/A
2528	3,4	CUMULATIVE	2.5000000E-01	2.0000000E-01	0.0000000E+00	6.0000000E-01	NONE	WPO35268	Y	N/A
2528	3,4	CUMULATIVE	2.5000000E-01	2.0000000E-01	0.0000000E+00	6.0000000E-01	NONE	WPO35597	Y	N/A
2528	3,4	CUMULATIVE	2.5000000E-01	2.0000000E-01	0.0000000E+00	6.0000000E-01	NONE	WPO41558	Y	N/A
2528	3,4	CUMULATIVE	2.5000000E-01	2.0000000E-01	0.0000000E+00	6.0000000E-01	NONE	WPO42751	Y	N/A
2529	3,4	UNIFORM	2.0000000E-01	2.0000000E-01	0.0000000E+00	4.0000000E-01	NONE	WPO30640	Y	N/A
2529	3,4	UNIFORM	2.0000000E-01	2.0000000E-01	0.0000000E+00	4.0000000E-01	NONE	WPO30994	Y	N/A
2529	3,4	UNIFORM	2.0000000E-01	2.0000000E-01	0.0000000E+00	4.0000000E-01	NONE	WPO35268	Y	N/A
2529	3,4	UNIFORM	2.0000000E-01	2.0000000E-01	0.0000000E+00	4.0000000E-01	NONE	WPO35597	Y	N/A

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WFO #)	Date Entry	Is the 464 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y	100	2529	SALT_T1	Shaft salt column compacted:time 0 to 10 years	SAT_RGAS	Residual Gas Saturation	33420	13-Feb-96	Y	1
Y	50	2530	SALT_T2	Shaft salt column compacted:time 10 to 25 years	CAP_MOD	Model number, capillary pressure model	33424A	27-Oct-95	Y	4B
Y	50	2530	SALT_T2	Shaft salt column compacted:time 10 to 25 years	CAP_MOD	Model number, capillary pressure model	33424A	27-Oct-95	Y	4B
Y	50	2530	SALT_T2	Shaft salt column compacted:time 10 to 25 years	CAP_MOD	Model number, capillary pressure model	33424A	27-Oct-95	Y	4B
Y	50	2530	SALT_T2	Shaft salt column compacted:time 10 to 25 years	CAP_MOD	Model number, capillary pressure model	33424A	27-Oct-95	Y	4B
Y	50	2530	SALT_T2	Shaft salt column compacted:time 10 to 25 years	CAP_MOD	Model number, capillary pressure model	33424A	27-Oct-95	Y	4B
Y		2531	SALT_T2	Shaft salt column compacted:time 10 to 25 years	COMP_RCK	Bulk Compressibility	33429	14-Feb-96	Y	1
Y		2531	SALT_T2	Shaft salt column compacted:time 10 to 25 years	COMP_RCK	Bulk Compressibility	33429	14-Feb-96	Y	1
Y		2531	SALT_T2	Shaft salt column compacted:time 10 to 25 years	COMP_RCK	Bulk Compressibility	33429	14-Feb-96	Y	1
Y		2532	SALT_T2	Shaft salt column compacted:time 10 to 25 years	PC_MAX	Maximum allowable capillary pressure	33438A	27-Oct-95	Y	4B
Y		2532	SALT_T2	Shaft salt column compacted:time 10 to 25 years	PC_MAX	Maximum allowable capillary pressure	33438A	27-Oct-95	Y	4B
Y		2532	SALT_T2	Shaft salt column compacted:time 10 to 25 years	PC_MAX	Maximum allowable capillary pressure	33438A	27-Oct-95	Y	4B
Y		2532	SALT_T2	Shaft salt column compacted:time 10 to 25 years	PC_MAX	Maximum allowable capillary pressure	33438A	27-Oct-95	Y	4B
Y		2532	SALT_T2	Shaft salt column compacted:time 10 to 25 years	PC_MAX	Maximum allowable capillary pressure	33438A	27-Oct-95	Y	4B
Y	varies	2533	SALT_T2	Shaft salt column compacted:time 10 to 25 years	PORE_DIS	Brooks-Corey pore distribution parameter	33355	22-Feb-96	Y	1
Y	varies	2533	SALT_T2	Shaft salt column compacted:time 10 to 25 years	PORE_DIS	Brooks-Corey pore distribution parameter	33355	22-Feb-96	Y	1
Y	varies	2533	SALT_T2	Shaft salt column compacted:time 10 to 25 years	PORE_DIS	Brooks-Corey pore distribution parameter	33355	22-Feb-96	Y	1
Y	varies	2533	SALT_T2	Shaft salt column compacted:time 10 to 25 years	PORE_DIS	Brooks-Corey pore distribution parameter	33355	22-Feb-96	Y	1
Y	varies	2533	SALT_T2	Shaft salt column compacted:time 10 to 25 years	PORE_DIS	Brooks-Corey pore distribution parameter	33355	22-Feb-96	Y	1
Y	varies	2533	SALT_T2	Shaft salt column compacted:time 10 to 25 years	PORE_DIS	Brooks-Corey pore distribution parameter	33355	22-Feb-96	Y	1
Y	varies	2533	SALT_T2	Shaft salt column compacted:time 10 to 25 years	PORE_DIS	Brooks-Corey pore distribution parameter	33355	22-Feb-96	Y	1
Y	varies	2533	SALT_T2	Shaft salt column compacted:time 10 to 25 years	PORE_DIS	Brooks-Corey pore distribution parameter	33355	22-Feb-96	Y	1
Y		2534	SALT_T2	Shaft salt column compacted:time 10 to 25 years	POROSITY	Effective porosity	33357	14-Feb-96	Y	1

CCA Parameter-Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
2529	3,4	UNIFORM	2.000000E-01	2.000000E-01	0.000000E+00	4.000000E-01	NONE	WPO41558	Y	N/A
2530	1,3,4	CONSTANT	2.000000E+00	2.000000E+00	2.000000E+00	2.000000E+00	NONE	WPO30640	Y	N/A
2530	1,3,4	CONSTANT	2.000000E+00	2.000000E+00	2.000000E+00	2.000000E+00	NONE	WPO30994	Y	N/A
2530	1,3,4	CONSTANT	2.000000E+00	2.000000E+00	2.000000E+00	2.000000E+00	NONE	WPO35597	Y	N/A
2530	1,3,4	CONSTANT	2.000000E+00	2.000000E+00	2.000000E+00	2.000000E+00	NONE	WPO40486	Y	N/A
2530	1,3,4	CONSTANT	2.000000E+00	2.000000E+00	2.000000E+00	2.000000E+00	NONE	WPO40514	Y	N/A
2531	1,3,4	CONSTANT	1.600000E-09	1.600000E-09	1.600000E-09	1.600000E-09	Pa^-1	WPO30640	Y&N	1,4
2531	1,3,4	CONSTANT	1.600000E-09	1.600000E-09	1.600000E-09	1.600000E-09	Pa^-1	WPO30994	Y&N	1,4
2531	1,3,4	CONSTANT	1.600000E-09	1.600000E-09	1.600000E-09	1.600000E-09	Pa^-1	WPO35597	Y&N	1,4
2532	1,3	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO30640	Y	N/A
2532	1,3	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO30994	Y	N/A
2532	1,3	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO35597	Y	N/A
2532	1,3	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO40486	Y	N/A
2532	1,3	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO40514	Y	N/A
2533	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO30640	Y	N/A
2533	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO30994	Y	N/A
2533	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO31904	Y	N/A
2533	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO32287	Y	N/A
2533	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO35268	Y	N/A
2533	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO35597	Y	N/A
2533	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO39058	Y	N/A
2533	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO41558	Y	N/A
2533	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO42752	Y	N/A
2534	1,3,4	CONSTANT	5.000000E-02	5.000000E-02	5.000000E-02	5.000000E-02	m^3/m^3	WPO30640	Y	N/A

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 464 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		2534	SALT_T2	Shaft salt column compacted:time 10 to 25 years	POROSITY	Effective porosity	33357	14-Feb-96	Y	1
Y		2534	SALT_T2	Shaft salt column compacted:time 10 to 25 years	POROSITY	Effective porosity	33357	14-Feb-96	Y	1
Y		2535	SALT_T2	Shaft salt column compacted:time 10 to 25 years	PO_MIN	Minimum brine pressure for capillary model KPC=3	33362	21-Feb-96	Y	4B
Y		2535	SALT_T2	Shaft salt column compacted:time 10 to 25 years	PO_MIN	Minimum brine pressure for capillary model KPC=3	33362	21-Feb-96	Y	4B
Y		2535	SALT_T2	Shaft salt column compacted:time 10 to 25 years	PO_MIN	Minimum brine pressure for capillary model KPC=3	33362	21-Feb-96	Y	4B
Y		2543	SALT_T2	Shaft salt column compacted:time 10 to 25 years	RELP_MOD	Model number, relative permeability model	33379A	14-Feb-96	Y	4B
Y		2543	SALT_T2	Shaft salt column compacted:time 10 to 25 years	RELP_MOD	Model number, relative permeability model	33379A	14-Feb-96	Y	4B
Y		2543	SALT_T2	Shaft salt column compacted:time 10 to 25 years	RELP_MOD	Model number, relative permeability model	33379A	14-Feb-96	Y	4B
Y		2543	SALT_T2	Shaft salt column compacted:time 10 to 25 years	RELP_MOD	Model number, relative permeability model	33379A	14-Feb-96	Y	4B
Y		2543	SALT_T2	Shaft salt column compacted:time 10 to 25 years	RELP_MOD	Model number, relative permeability model	33379A	14-Feb-96	Y	4B
Y	100	2545	SALT_T2	Shaft salt column compacted:time 10 to 25 years	SAT_RBRN	Residual Brine Saturation	33391	14-Feb-96	Y	1
Y	100	2545	SALT_T2	Shaft salt column compacted:time 10 to 25 years	SAT_RBRN	Residual Brine Saturation	33391	14-Feb-96	Y	1
Y	100	2545	SALT_T2	Shaft salt column compacted:time 10 to 25 years	SAT_RBRN	Residual Brine Saturation	33391	14-Feb-96	Y	1
Y	100	2545	SALT_T2	Shaft salt column compacted:time 10 to 25 years	SAT_RBRN	Residual Brine Saturation	33391	14-Feb-96	Y	1
Y	100	2545	SALT_T2	Shaft salt column compacted:time 10 to 25 years	SAT_RBRN	Residual Brine Saturation	33391	14-Feb-96	Y	1
Y	100	2545	SALT_T2	Shaft salt column compacted:time 10 to 25 years	SAT_RBRN	Residual Brine Saturation	33391	14-Feb-96	Y	1
Y	100	2546	SALT_T2	Shaft salt column compacted:time 10 to 25 years	SAT_RGAS	Residual Gas Saturation	33393	14-Feb-96	Y	1
Y	100	2546	SALT_T2	Shaft salt column compacted:time 10 to 25 years	SAT_RGAS	Residual Gas Saturation	33393	14-Feb-96	Y	1
Y	100	2546	SALT_T2	Shaft salt column compacted:time 10 to 25 years	SAT_RGAS	Residual Gas Saturation	33393	14-Feb-96	Y	1
Y	100	2546	SALT_T2	Shaft salt column compacted:time 10 to 25 years	SAT_RGAS	Residual Gas Saturation	33393	14-Feb-96	Y	1
Y	100	2546	SALT_T2	Shaft salt column compacted:time 10 to 25 years	SAT_RGAS	Residual Gas Saturation	33393	14-Feb-96	Y	1
Y	50	2547	SALT_T3	Shaft salt column compacted:time 25 to 50 years	CAP_MOD	Model number, capillary pressure model	33397A	27-Oct-95	Y	4B
Y	50	2547	SALT_T3	Shaft salt column compacted:time 25 to 50 years	CAP_MOD	Model number, capillary pressure model	33397A	27-Oct-95	Y	4B
Y	50	2547	SALT_T3	Shaft salt column compacted:time 25 to 50 years	CAP_MOD	Model number, capillary pressure model	33397A	27-Oct-95	Y	4B

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
2534	1,3,4	CONSTANT	5.000000E-02	5.000000E-02	5.000000E-02	5.000000E-02	m³/m³	WPO30994	Y	N/A
2534	1,3,4	CONSTANT	5.000000E-02	5.000000E-02	5.000000E-02	5.000000E-02	m³/m³	WPO35597	Y	N/A
2535	1,3	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO35597	Y	N/A
2535	1,3	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO36051	Y	N/A
2535	1,3	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO40514	Y	N/A
2543	1,3	CONSTANT	4.000000E+00	4.000000E+00	4.000000E+00	4.000000E+00	NONE	WPO30640	Y	N/A
2543	1,3	CONSTANT	4.000000E+00	4.000000E+00	4.000000E+00	4.000000E+00	NONE	WPO30994	Y	N/A
2543	1,3	CONSTANT	4.000000E+00	4.000000E+00	4.000000E+00	4.000000E+00	NONE	WPO35597	Y	N/A
2543	1,3	CONSTANT	4.000000E+00	4.000000E+00	4.000000E+00	4.000000E+00	NONE	WPO40486	Y	N/A
2543	1,3	CONSTANT	4.000000E+00	4.000000E+00	4.000000E+00	4.000000E+00	NONE	WPO40514	Y	N/A
2545	3,4	CUMULATIVE	2.500000E-01	2.000000E-01	0.000000E+00	6.000000E-01	NONE	WPO30640	Y	N/A
2545	3,4	CUMULATIVE	2.500000E-01	2.000000E-01	0.000000E+00	6.000000E-01	NONE	WPO30994	Y	N/A
2545	3,4	CUMULATIVE	2.500000E-01	2.000000E-01	0.000000E+00	6.000000E-01	NONE	WPO35268	Y	N/A
2545	3,4	CUMULATIVE	2.500000E-01	2.000000E-01	0.000000E+00	6.000000E-01	NONE	WPO35597	Y	N/A
2545	3,4	CUMULATIVE	2.500000E-01	2.000000E-01	0.000000E+00	6.000000E-01	NONE	WPO41558	Y	N/A
2545	3,4	CUMULATIVE	2.500000E-01	2.000000E-01	0.000000E+00	6.000000E-01	NONE	WPO42751	Y	N/A
2546	3,4	UNIFORM	2.000000E-01	2.000000E-01	0.000000E+00	4.000000E-01	NONE	WPO30640	Y	N/A
2546	3,4	UNIFORM	2.000000E-01	2.000000E-01	0.000000E+00	4.000000E-01	NONE	WPO30994	Y	N/A
2546	3,4	UNIFORM	2.000000E-01	2.000000E-01	0.000000E+00	4.000000E-01	NONE	WPO35268	Y	N/A
2546	3,4	UNIFORM	2.000000E-01	2.000000E-01	0.000000E+00	4.000000E-01	NONE	WPO35597	Y	N/A
2546	3,4	UNIFORM	2.000000E-01	2.000000E-01	0.000000E+00	4.000000E-01	NONE	WPO41558	Y	N/A
2547	1,3,4	CONSTANT	2.000000E+00	2.000000E+00	2.000000E+00	2.000000E+00	NONE	WPO30640	Y	N/A
2547	1,3,4	CONSTANT	2.000000E+00	2.000000E+00	2.000000E+00	2.000000E+00	NONE	WPO30994	Y	N/A
2547	1,3,4	CONSTANT	2.000000E+00	2.000000E+00	2.000000E+00	2.000000E+00	NONE	WPO35597	Y	N/A

- CCA Parameter Listing -

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 464 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y	50	2547	SALT_T3	Shaft salt column compacted time 25 to 50 years	CAP_MOD	Model number, capillary pressure model	33397A	27-Oct-95	Y	4B
Y	50	2547	SALT_T3	Shaft salt column compacted time 25 to 50 years	CAP_MOD	Model number, capillary pressure model	33397A	27-Oct-95	Y	4B
Y		2548	SALT_T3	Shaft salt column compacted time 25 to 50 years	COMP_RCK	Bulk Compressibility	33400	14-Feb-96	Y	1
Y		2548	SALT_T3	Shaft salt column compacted time 25 to 50 years	COMP_RCK	Bulk Compressibility	33400	14-Feb-96	Y	1
Y		2548	SALT_T3	Shaft salt column compacted time 25 to 50 years	COMP_RCK	Bulk Compressibility	33400	14-Feb-96	Y	1
Y		2549	SALT_T3	Shaft salt column compacted time 25 to 50 years	PC_MAX	Maximum allowable capillary pressure	33408A	27-Oct-95	Y	4B
Y		2549	SALT_T3	Shaft salt column compacted time 25 to 50 years	PC_MAX	Maximum allowable capillary pressure	33408A	27-Oct-95	Y	4B
Y		2549	SALT_T3	Shaft salt column compacted time 25 to 50 years	PC_MAX	Maximum allowable capillary pressure	33408A	27-Oct-95	Y	4B
Y		2549	SALT_T3	Shaft salt column compacted time 25 to 50 years	PC_MAX	Maximum allowable capillary pressure	33408A	27-Oct-95	Y	4B
Y		2549	SALT_T3	Shaft salt column compacted time 25 to 50 years	PC_MAX	Maximum allowable capillary pressure	33408A	27-Oct-95	Y	4B
Y	varies	2550	SALT_T3	Shaft salt column compacted time 25 to 50 years	PORE_DIS	Brooks-Corey pore distribution parameter	33415	22-Feb-96	Y	1
Y	varies	2550	SALT_T3	Shaft salt column compacted time 25 to 50 years	PORE_DIS	Brooks-Corey pore distribution parameter	33415	22-Feb-96	Y	1
Y	varies	2550	SALT_T3	Shaft salt column compacted time 25 to 50 years	PORE_DIS	Brooks-Corey pore distribution parameter	33415	22-Feb-96	Y	1
Y	varies	2550	SALT_T3	Shaft salt column compacted time 25 to 50 years	PORE_DIS	Brooks-Corey pore distribution parameter	33415	22-Feb-96	Y	1
Y	varies	2550	SALT_T3	Shaft salt column compacted time 25 to 50 years	PORE_DIS	Brooks-Corey pore distribution parameter	33415	22-Feb-96	Y	1
Y	varies	2550	SALT_T3	Shaft salt column compacted time 25 to 50 years	PORE_DIS	Brooks-Corey pore distribution parameter	33415	22-Feb-96	Y	1
Y	varies	2550	SALT_T3	Shaft salt column compacted time 25 to 50 years	PORE_DIS	Brooks-Corey pore distribution parameter	33415	22-Feb-96	Y	1
Y	varies	2550	SALT_T3	Shaft salt column compacted time 25 to 50 years	PORE_DIS	Brooks-Corey pore distribution parameter	33415	22-Feb-96	Y	1
Y		2551	SALT_T3	Shaft salt column compacted time 25 to 50 years	POROSITY	Effective porosity	33417	14-Feb-96	Y	1
Y		2551	SALT_T3	Shaft salt column compacted time 25 to 50 years	POROSITY	Effective porosity	33417	14-Feb-96	Y	1
Y		2551	SALT_T3	Shaft salt column compacted time 25 to 50 years	POROSITY	Effective porosity	33417	14-Feb-96	Y	1
Y		2552	SALT_T3	Shaft salt column compacted time 25 to 50 years	PO_MIN	Minimum brine pressure for capillary model KPC=3	33419	21-Feb-96	Y	4B
Y		2552	SALT_T3	Shaft salt column compacted time 25 to 50 years	PO_MIN	Minimum brine pressure for capillary model KPC=3	33419	21-Feb-96	Y	4B

CGA-Parameter-Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
2547	1,3,4	CONSTANT	2.000000E+00	2.000000E+00	2.000000E+00	2.000000E+00	NONE	WPO40486	Y	N/A
2547	1,3,4	CONSTANT	2.000000E+00	2.000000E+00	2.000000E+00	2.000000E+00	NONE	WPO40514	Y	N/A
2548	1,3,4	CONSTANT	1.600000E-09	1.600000E-09	1.600000E-09	1.600000E-09	Pa ⁻¹	WPO30640	Y&N	1,4
2548	1,3,4	CONSTANT	1.600000E-09	1.600000E-09	1.600000E-09	1.600000E-09	Pa ⁻¹	WPO30994	Y&N	1,4
2548	1,3,4	CONSTANT	1.600000E-09	1.600000E-09	1.600000E-09	1.600000E-09	Pa ⁻¹	WPO35597	Y&N	1,4
2549	1,3	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO30640	Y	N/A
2549	1,3	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO30994	Y	N/A
2549	1,3	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO35597	Y	N/A
2549	1,3	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO40486	Y	N/A
2549	1,3	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO40514	Y	N/A
2550	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO30640	Y	N/A
2550	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO30994	Y	N/A
2550	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO31904	Y	N/A
2550	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO32287	Y	N/A
2550	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO35268	Y	N/A
2550	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO35597	Y	N/A
2550	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO39058	Y	N/A
2550	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO41558	Y	N/A
2550	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO42752	Y	N/A
2551	1,3,4	CONSTANT	5.000000E-02	5.000000E-02	5.000000E-02	5.000000E-02	m ³ /m ³	WPO30640	Y	N/A
2551	1,3,4	CONSTANT	5.000000E-02	5.000000E-02	5.000000E-02	5.000000E-02	m ³ /m ³	WPO30994	Y	N/A
2551	1,3,4	CONSTANT	5.000000E-02	5.000000E-02	5.000000E-02	5.000000E-02	m ³ /m ³	WPO35597	Y	N/A
2552	1,3	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO35597	Y	N/A
2552	1,3	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO36051	Y	N/A

CGA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 464 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		2552	SALT_T3	Shaft salt column compacted:time 25 to 50 years	PO_MIN	Minimum brine pressure for capillary model KPC=3	33419	21-Feb-96	Y	4B
Y		2560	SALT_T3	Shaft salt column compacted:time 25 to 50 years	REL_P_MOD	Model number, relative permeability model	33436A	27-Oct-95	Y	4B
Y		2560	SALT_T3	Shaft salt column compacted:time 25 to 50 years	REL_P_MOD	Model number, relative permeability model	33436A	27-Oct-95	Y	4B
Y		2560	SALT_T3	Shaft salt column compacted:time 25 to 50 years	REL_P_MOD	Model number, relative permeability model	33436A	27-Oct-95	Y	4B
Y		2560	SALT_T3	Shaft salt column compacted:time 25 to 50 years	REL_P_MOD	Model number, relative permeability model	33436A	27-Oct-95	Y	4B
Y		2560	SALT_T3	Shaft salt column compacted:time 25 to 50 years	REL_P_MOD	Model number, relative permeability model	33436A	27-Oct-95	Y	4B
Y	100	2562	SALT_T3	Shaft salt column compacted:time 25 to 50 years	SAT_RBRN	Residual Brine Saturation	33446	14-Feb-96	Y	1
Y	100	2562	SALT_T3	Shaft salt column compacted:time 25 to 50 years	SAT_RBRN	Residual Brine Saturation	33446	14-Feb-96	Y	1
Y	100	2562	SALT_T3	Shaft salt column compacted:time 25 to 50 years	SAT_RBRN	Residual Brine Saturation	33446	14-Feb-96	Y	1
Y	100	2562	SALT_T3	Shaft salt column compacted:time 25 to 50 years	SAT_RBRN	Residual Brine Saturation	33446	14-Feb-96	Y	1
Y	100	2562	SALT_T3	Shaft salt column compacted:time 25 to 50 years	SAT_RBRN	Residual Brine Saturation	33446	14-Feb-96	Y	1
Y	100	2562	SALT_T3	Shaft salt column compacted:time 25 to 50 years	SAT_RBRN	Residual Brine Saturation	33446	14-Feb-96	Y	1
Y	100	2563	SALT_T3	Shaft salt column compacted:time 25 to 50 years	SAT_RGAS	Residual Gas Saturation	33447	14-Feb-96	Y	1
Y	100	2563	SALT_T3	Shaft salt column compacted:time 25 to 50 years	SAT_RGAS	Residual Gas Saturation	33447	14-Feb-96	Y	1
Y	100	2563	SALT_T3	Shaft salt column compacted:time 25 to 50 years	SAT_RGAS	Residual Gas Saturation	33447	14-Feb-96	Y	1
Y	100	2563	SALT_T3	Shaft salt column compacted:time 25 to 50 years	SAT_RGAS	Residual Gas Saturation	33447	14-Feb-96	Y	1
Y	100	2563	SALT_T3	Shaft salt column compacted:time 25 to 50 years	SAT_RGAS	Residual Gas Saturation	33447	14-Feb-96	Y	1
Y	50	2564	SALT_T4	Shaft salt column compacted:time 50 to 100 years	CAP_MOD	Model number, capillary pressure model	33449A	27-Oct-95	Y	4B
Y	50	2564	SALT_T4	Shaft salt column compacted:time 50 to 100 years	CAP_MOD	Model number, capillary pressure model	33449A	27-Oct-95	Y	4B
Y	50	2564	SALT_T4	Shaft salt column compacted:time 50 to 100 years	CAP_MOD	Model number, capillary pressure model	33449A	27-Oct-95	Y	4B
Y	50	2564	SALT_T4	Shaft salt column compacted:time 50 to 100 years	CAP_MOD	Model number, capillary pressure model	33449A	27-Oct-95	Y	4B
Y	50	2564	SALT_T4	Shaft salt column compacted:time 50 to 100 years	CAP_MOD	Model number, capillary pressure model	33449A	27-Oct-95	Y	4B
Y		2565	SALT_T4	Shaft salt column compacted:time 50 to 100 years	COMP_RCK	Bulk Compressibility	33453	14-Feb-96	Y	1
Y		2565	SALT_T4	Shaft salt column compacted:time 50 to 100 years	COMP_RCK	Bulk Compressibility	33453	14-Feb-96	Y	1

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
2552	1,3	CONSTANT	1.0132500E+05	1.0132500E+05	1.0132500E+05	1.0132500E+05	Pa	WPO40514	Y	N/A
2560	1,3	CONSTANT	4.0000000E+00	4.0000000E+00	4.0000000E+00	4.0000000E+00	NONE	WPO30640	Y	N/A
2560	1,3	CONSTANT	4.0000000E+00	4.0000000E+00	4.0000000E+00	4.0000000E+00	NONE	WPO30994	Y	N/A
2560	1,3	CONSTANT	4.0000000E+00	4.0000000E+00	4.0000000E+00	4.0000000E+00	NONE	WPO35597	Y	N/A
2560	1,3	CONSTANT	4.0000000E+00	4.0000000E+00	4.0000000E+00	4.0000000E+00	NONE	WPO40486	Y	N/A
2560	1,3	CONSTANT	4.0000000E+00	4.0000000E+00	4.0000000E+00	4.0000000E+00	NONE	WPO40514	Y	N/A
2562	3,4	CUMULATIVE	2.5000000E-01	2.0000000E-01	0.0000000E+00	6.0000000E-01	NONE	WPO30640	Y	N/A
2562	3,4	CUMULATIVE	2.5000000E-01	2.0000000E-01	0.0000000E+00	6.0000000E-01	NONE	WPO30994	Y	N/A
2562	3,4	CUMULATIVE	2.5000000E-01	2.0000000E-01	0.0000000E+00	6.0000000E-01	NONE	WPO35268	Y	N/A
2562	3,4	CUMULATIVE	2.5000000E-01	2.0000000E-01	0.0000000E+00	6.0000000E-01	NONE	WPO35597	Y	N/A
2562	3,4	CUMULATIVE	2.5000000E-01	2.0000000E-01	0.0000000E+00	6.0000000E-01	NONE	WPO41558	Y	N/A
2562	3,4	CUMULATIVE	2.5000000E-01	2.0000000E-01	0.0000000E+00	6.0000000E-01	NONE	WPO42751	Y	N/A
2563	3,4	UNIFORM	2.0000000E-01	2.0000000E-01	0.0000000E+00	4.0000000E-01	NONE	WPO30640	Y	N/A
2563	3,4	UNIFORM	2.0000000E-01	2.0000000E-01	0.0000000E+00	4.0000000E-01	NONE	WPO30994	Y	N/A
2563	3,4	UNIFORM	2.0000000E-01	2.0000000E-01	0.0000000E+00	4.0000000E-01	NONE	WPO35268	Y	N/A
2563	3,4	UNIFORM	2.0000000E-01	2.0000000E-01	0.0000000E+00	4.0000000E-01	NONE	WPO35597	Y	N/A
2563	3,4	UNIFORM	2.0000000E-01	2.0000000E-01	0.0000000E+00	4.0000000E-01	NONE	WPO41558	Y	N/A
2564	1,3,4	CONSTANT	2.0000000E+00	2.0000000E+00	2.0000000E+00	2.0000000E+00	NONE	WPO30640	Y	N/A
2564	1,3,4	CONSTANT	2.0000000E+00	2.0000000E+00	2.0000000E+00	2.0000000E+00	NONE	WPO30994	Y	N/A
2564	1,3,4	CONSTANT	2.0000000E+00	2.0000000E+00	2.0000000E+00	2.0000000E+00	NONE	WPO35597	Y	N/A
2564	1,3,4	CONSTANT	2.0000000E+00	2.0000000E+00	2.0000000E+00	2.0000000E+00	NONE	WPO40486	Y	N/A
2564	1,3,4	CONSTANT	2.0000000E+00	2.0000000E+00	2.0000000E+00	2.0000000E+00	NONE	WPO40514	Y	N/A
2565	1,3,4	CONSTANT	1.6000000E-09	1.6000000E-09	1.6000000E-09	1.6000000E-09	Pa ⁻¹	WPO30640	Y&N	1,4
2565	1,3,4	CONSTANT	1.6000000E-09	1.6000000E-09	1.6000000E-09	1.6000000E-09	Pa ⁻¹	WPO30994	Y&N	1,4

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 454 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		2565	SALT_T4	Shaft salt column compacted:time 50 to 100 years	COMP_RCK	Bulk Compressibility	33453	14-Feb-96	Y	1
Y		2566	SALT_T4	Shaft salt column compacted:time 50 to 100 years	PC_MAX	Maximum allowable capillary pressure	33459A	27-Oct-95	Y	4B
Y		2566	SALT_T4	Shaft salt column compacted:time 50 to 100 years	PC_MAX	Maximum allowable capillary pressure	33459A	27-Oct-95	Y	4B
Y		2566	SALT_T4	Shaft salt column compacted:time 50 to 100 years	PC_MAX	Maximum allowable capillary pressure	33459A	27-Oct-95	Y	4B
Y		2566	SALT_T4	Shaft salt column compacted:time 50 to 100 years	PC_MAX	Maximum allowable capillary pressure	33459A	27-Oct-95	Y	4B
Y		2566	SALT_T4	Shaft salt column compacted:time 50 to 100 years	PC_MAX	Maximum allowable capillary pressure	33459A	27-Oct-95	Y	4B
Y		2566	SALT_T4	Shaft salt column compacted:time 50 to 100 years	PC_MAX	Maximum allowable capillary pressure	33459A	27-Oct-95	Y	4B
Y	varies	2567	SALT_T4	Shaft salt column compacted:time 50 to 100 years	PORE_DIS	Brooks-Corey pore distribution parameter	33465	22-Feb-96	Y	1
Y	varies	2567	SALT_T4	Shaft salt column compacted:time 50 to 100 years	PORE_DIS	Brooks-Corey pore distribution parameter	33465	22-Feb-96	Y	1
Y	varies	2567	SALT_T4	Shaft salt column compacted:time 50 to 100 years	PORE_DIS	Brooks-Corey pore distribution parameter	33465	22-Feb-96	Y	1
Y	varies	2567	SALT_T4	Shaft salt column compacted:time 50 to 100 years	PORE_DIS	Brooks-Corey pore distribution parameter	33465	22-Feb-96	Y	1
Y	varies	2567	SALT_T4	Shaft salt column compacted:time 50 to 100 years	PORE_DIS	Brooks-Corey pore distribution parameter	33465	22-Feb-96	Y	1
Y	varies	2567	SALT_T4	Shaft salt column compacted:time 50 to 100 years	PORE_DIS	Brooks-Corey pore distribution parameter	33465	22-Feb-96	Y	1
Y	varies	2567	SALT_T4	Shaft salt column compacted:time 50 to 100 years	PORE_DIS	Brooks-Corey pore distribution parameter	33465	22-Feb-96	Y	1
Y	varies	2567	SALT_T4	Shaft salt column compacted:time 50 to 100 years	PORE_DIS	Brooks-Corey pore distribution parameter	33465	22-Feb-96	Y	1
Y	varies	2567	SALT_T4	Shaft salt column compacted:time 50 to 100 years	PORE_DIS	Brooks-Corey pore distribution parameter	33465	22-Feb-96	Y	1
Y		2568	SALT_T4	Shaft salt column compacted:time 50 to 100 years	POROSITY	Effective porosity	33467	14-Feb-96	Y	1
Y		2568	SALT_T4	Shaft salt column compacted:time 50 to 100 years	POROSITY	Effective porosity	33467	14-Feb-96	Y	1
Y		2568	SALT_T4	Shaft salt column compacted:time 50 to 100 years	POROSITY	Effective porosity	33467	14-Feb-96	Y	1
Y		2569	SALT_T4	Shaft salt column compacted:time 50 to 100 years	PO_MIN	Minimum brine pressure for capillary model KPC=3	33469	21-Feb-96	Y	4B
Y		2569	SALT_T4	Shaft salt column compacted:time 50 to 100 years	PO_MIN	Minimum brine pressure for capillary model KPC=3	33469	21-Feb-96	Y	4B
Y		2569	SALT_T4	Shaft salt column compacted:time 50 to 100 years	PO_MIN	Minimum brine pressure for capillary model KPC=3	33469	21-Feb-96	Y	4B
Y		2577	SALT_T4	Shaft salt column compacted:time 50 to 100 years	REL_P_MOD	Model number, relative permeability model	33553A	27-Oct-95	Y	4B
Y		2577	SALT_T4	Shaft salt column compacted:time 50 to 100 years	REL_P_MOD	Model number, relative permeability model	33553A	27-Oct-95	Y	4B
Y		2577	SALT_T4	Shaft salt column compacted:time 50 to 100 years	REL_P_MOD	Model number, relative permeability model	33553A	27-Oct-95	Y	4B

CCA Parameter Listing

ID	Classification of Data (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
2565	1,3,4	CONSTANT	1.600000E-09	1.600000E-09	1.600000E-09	1.600000E-09	Pa^-1	WPO35597	Y&N	1,4
2566	1,3	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO30640	Y	N/A
2566	1,3	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO30994	Y	N/A
2566	1,3	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO35597	Y	N/A
2566	1,3	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO40486	Y	N/A
2566	1,3	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO40514	Y	N/A
2567	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO30640	Y	N/A
2567	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO30994	Y	N/A
2567	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO31904	Y	N/A
2567	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO32287	Y	N/A
2567	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO35268	Y	N/A
2567	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO35597	Y	N/A
2567	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO39058	Y	N/A
2567	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO41558	Y	N/A
2567	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO42752	Y	N/A
2568	1,3,4	CONSTANT	5.000000E-02	5.000000E-02	5.000000E-02	5.000000E-02	m^3/m^3	WPO30640	Y	N/A
2568	1,3,4	CONSTANT	5.000000E-02	5.000000E-02	5.000000E-02	5.000000E-02	m^3/m^3	WPO30994	Y	N/A
2568	1,3,4	CONSTANT	5.000000E-02	5.000000E-02	5.000000E-02	5.000000E-02	m^3/m^3	WPO35597	Y	N/A
2569	1,3	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO35597	Y	N/A
2569	1,3	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO36051	Y	N/A
2569	1,3	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO40514	Y	N/A
2577	1,3	CONSTANT	4.000000E+00	4.000000E+00	4.000000E+00	4.000000E+00	NONE	WPO30640	Y	N/A
2577	1,3	CONSTANT	4.000000E+00	4.000000E+00	4.000000E+00	4.000000E+00	NONE	WPO30994	Y	N/A
2577	1,3	CONSTANT	4.000000E+00	4.000000E+00	4.000000E+00	4.000000E+00	NONE	WPO35597	Y	N/A

CCA-Parameter-Listing

Parameter ID (Y/N)	Parameter? If the values are not the same as in CCA DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WFO ID)	Date Entry Date	Is the data consistent with the parameter (Y, N/A)	Parameter Category (Footnote 1)
Y		2577	SALT_T4	Shaft salt column compacted:time 50 to 100 years		REL_P_MOD permeability model	33553A	27-Oct-95	Y	4B
Y		2577	SALT_T4	Shaft salt column compacted:time 50 to 100 years		REL_P_MOD permeability model	33553A	27-Oct-95	Y	4B
Y		2579	SALT_T4	Shaft salt column compacted:time 50 to 100 years		SAT_RBRN Residual Brine Saturation	33564	14-Feb-96	Y	1
Y		2579	SALT_T4	Shaft salt column compacted:time 50 to 100 years		SAT_RBRN Residual Brine Saturation	33564	14-Feb-96	Y	1
Y		2579	SALT_T4	Shaft salt column compacted:time 50 to 100 years		SAT_RBRN Residual Brine Saturation	33564	14-Feb-96	Y	1
Y		2579	SALT_T4	Shaft salt column compacted:time 50 to 100 years		SAT_RBRN Residual Brine Saturation	33564	14-Feb-96	Y	1
Y		2579	SALT_T4	Shaft salt column compacted:time 50 to 100 years		SAT_RBRN Residual Brine Saturation	33564	14-Feb-96	Y	1
Y		2579	SALT_T4	Shaft salt column compacted:time 50 to 100 years		SAT_RBRN Residual Brine Saturation	33564	14-Feb-96	Y	1
Y		2579	SALT_T4	Shaft salt column compacted:time 50 to 100 years		SAT_RBRN Residual Brine Saturation	33564	14-Feb-96	Y	1
Y		2579	SALT_T4	Shaft salt column compacted:time 50 to 100 years		SAT_RBRN Residual Brine Saturation	33564	14-Feb-96	Y	1
Y		2580	SALT_T4	Shaft salt column compacted:time 50 to 100 years		SAT_RGAS Residual Gas Saturation	33565	14-Feb-96	Y	1
Y		2580	SALT_T4	Shaft salt column compacted:time 50 to 100 years		SAT_RGAS Residual Gas Saturation	33565	14-Feb-96	Y	1
Y		2580	SALT_T4	Shaft salt column compacted:time 50 to 100 years		SAT_RGAS Residual Gas Saturation	33565	14-Feb-96	Y	1
Y		2580	SALT_T4	Shaft salt column compacted:time 50 to 100 years		SAT_RGAS Residual Gas Saturation	33565	14-Feb-96	Y	1
Y		2580	SALT_T4	Shaft salt column compacted:time 50 to 100 years		SAT_RGAS Residual Gas Saturation	33565	14-Feb-96	Y	1
Y		2580	SALT_T4	Shaft salt column compacted:time 50 to 100 years		SAT_RGAS Residual Gas Saturation	33565	14-Feb-96	Y	1
Y	50	2581	SALT_T5	Shaft salt column compacted:time 100 to 200 years		CAP_MOD Model number, capillary pressure model	33568A	27-Oct-95	Y	4B
Y	50	2581	SALT_T5	Shaft salt column compacted:time 100 to 200 years		CAP_MOD Model number, capillary pressure model	33568A	27-Oct-95	Y	4B
Y	50	2581	SALT_T5	Shaft salt column compacted:time 100 to 200 years		CAP_MOD Model number, capillary pressure model	33568A	27-Oct-95	Y	4B
Y	50	2581	SALT_T5	Shaft salt column compacted:time 100 to 200 years		CAP_MOD Model number, capillary pressure model	33568A	27-Oct-95	Y	4B
Y	50	2581	SALT_T5	Shaft salt column compacted:time 100 to 200 years		CAP_MOD Model number, capillary pressure model	33568A	27-Oct-95	Y	4B
Y		2582	SALT_T5	Shaft salt column compacted:time 100 to 200 years		COMP_RCK Bulk Compressibility	33572	14-Feb-96	Y	1
Y		2582	SALT_T5	Shaft salt column compacted:time 100 to 200 years		COMP_RCK Bulk Compressibility	33572	14-Feb-96	Y	1
Y		2582	SALT_T5	Shaft salt column compacted:time 100 to 200 years		COMP_RCK Bulk Compressibility	33572	14-Feb-96	Y	1
Y		2583	SALT_T5	Shaft salt column compacted:time 100 to 200 years		PC_MAX pressure	33579A	27-Oct-95	Y	4B
Y		2583	SALT_T5	Shaft salt column compacted:time 100 to 200 years		PC_MAX pressure	33579A	27-Oct-95	Y	4B
Y		2583	SALT_T5	Shaft salt column compacted:time 100 to 200 years		PC_MAX pressure	33579A	27-Oct-95	Y	4B
Y		2583	SALT_T5	Shaft salt column compacted:time 100 to 200 years		PC_MAX pressure	33579A	27-Oct-95	Y	4B

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NOA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
2577	1,3	CONSTANT	4.000000E+00	4.000000E+00	4.000000E+00	4.000000E+00	NONE	WPO40486	Y	N/A
2577	1,3	CONSTANT	4.000000E+00	4.000000E+00	4.000000E+00	4.000000E+00	NONE	WPO40514	Y	N/A
2579	3,4	CUMULATIVE	2.500000E-01	2.000000E-01	0.000000E+00	6.000000E-01	NONE	WPO30640	Y	N/A
2579	3,4	CUMULATIVE	2.500000E-01	2.000000E-01	0.000000E+00	6.000000E-01	NONE	WPO30994	Y	N/A
2579	3,4	CUMULATIVE	2.500000E-01	2.000000E-01	0.000000E+00	6.000000E-01	NONE	WPO35268	Y	N/A
2579	3,4	CUMULATIVE	2.500000E-01	2.000000E-01	0.000000E+00	6.000000E-01	NONE	WPO35597	Y	N/A
2579	3,4	CUMULATIVE	2.500000E-01	2.000000E-01	0.000000E+00	6.000000E-01	NONE	WPO41558	Y	N/A
2579	3,4	CUMULATIVE	2.500000E-01	2.000000E-01	0.000000E+00	6.000000E-01	NONE	WPO42751	Y	N/A
2580	3,4	UNIFORM	2.000000E-01	2.000000E-01	0.000000E+00	4.000000E-01	NONE	WPO30640	Y	N/A
2580	3,4	UNIFORM	2.000000E-01	2.000000E-01	0.000000E+00	4.000000E-01	NONE	WPO30994	Y	N/A
2580	3,4	UNIFORM	2.000000E-01	2.000000E-01	0.000000E+00	4.000000E-01	NONE	WPO35268	Y	N/A
2580	3,4	UNIFORM	2.000000E-01	2.000000E-01	0.000000E+00	4.000000E-01	NONE	WPO35597	Y	N/A
2580	3,4	UNIFORM	2.000000E-01	2.000000E-01	0.000000E+00	4.000000E-01	NONE	WPO41558	Y	N/A
2581	1,3,4	CONSTANT	2.000000E+00	2.000000E+00	2.000000E+00	2.000000E+00	NONE	WPO30640	Y	N/A
2581	1,3,4	CONSTANT	2.000000E+00	2.000000E+00	2.000000E+00	2.000000E+00	NONE	WPO30994	Y	N/A
2581	1,3,4	CONSTANT	2.000000E+00	2.000000E+00	2.000000E+00	2.000000E+00	NONE	WPO35597	Y	N/A
2581	1,3,4	CONSTANT	2.000000E+00	2.000000E+00	2.000000E+00	2.000000E+00	NONE	WPO40486	Y	N/A
2581	1,3,4	CONSTANT	2.000000E+00	2.000000E+00	2.000000E+00	2.000000E+00	NONE	WPO40514	Y	N/A
2582	1,3,4	CONSTANT	1.600000E-09	1.600000E-09	1.600000E-09	1.600000E-09	Pa ⁻¹	WPO30640	Y&N	1,4
2582	1,3,4	CONSTANT	1.600000E-09	1.600000E-09	1.600000E-09	1.600000E-09	Pa ⁻¹	WPO30994	Y&N	1,4
2582	1,3,4	CONSTANT	1.600000E-09	1.600000E-09	1.600000E-09	1.600000E-09	Pa ⁻¹	WPO35597	Y&N	1,4
2583	1,3	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO30640	Y	N/A
2583	1,3	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO30994	Y	N/A
2583	1,3	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO35597	Y	N/A

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 454 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		2583	SALT_T5	Shaft salt column compacted:time 100 to 200 years	PC_MAX	Maximum allowable capillary pressure	33579A	27-Oct-95	Y	4B
Y		2583	SALT_T5	Shaft salt column compacted:time 100 to 200 years	PC_MAX	Maximum allowable capillary pressure	33579A	27-Oct-95	Y	4B
Y		2585	SALT_T5	Shaft salt column compacted:time 100 to 200 years	POROSITY	Effective porosity	33590	14-Feb-96	Y	1
Y		2585	SALT_T5	Shaft salt column compacted:time 100 to 200 years	POROSITY	Effective porosity	33590	14-Feb-96	Y	1
Y		2585	SALT_T5	Shaft salt column compacted:time 100 to 200 years	POROSITY	Effective porosity	33590	14-Feb-96	Y	1
Y		2594	SALT_T5	Shaft salt column compacted:time 100 to 200 years	REL_P_MOD	Model number, relative permeability model	33614A	27-Oct-95	Y	4B
Y		2594	SALT_T5	Shaft salt column compacted:time 100 to 200 years	REL_P_MOD	Model number, relative permeability model	33614A	27-Oct-95	Y	4B
Y		2594	SALT_T5	Shaft salt column compacted:time 100 to 200 years	REL_P_MOD	Model number, relative permeability model	33614A	27-Oct-95	Y	4B
Y		2594	SALT_T5	Shaft salt column compacted:time 100 to 200 years	REL_P_MOD	Model number, relative permeability model	33614A	27-Oct-95	Y	4B
Y		2594	SALT_T5	Shaft salt column compacted:time 100 to 200 years	REL_P_MOD	Model number, relative permeability model	33614A	27-Oct-95	Y	4B
Y	100	2596	SALT_T5	Shaft salt column compacted:time 100 to 200 years	SAT_RBRN	Residual Brine Saturation	33626	14-Feb-96	Y	1
Y	100	2596	SALT_T5	Shaft salt column compacted:time 100 to 200 years	SAT_RBRN	Residual Brine Saturation	33626	14-Feb-96	Y	1
Y	100	2596	SALT_T5	Shaft salt column compacted:time 100 to 200 years	SAT_RBRN	Residual Brine Saturation	33626	14-Feb-96	Y	1
Y	100	2596	SALT_T5	Shaft salt column compacted:time 100 to 200 years	SAT_RBRN	Residual Brine Saturation	33626	14-Feb-96	Y	1
Y	100	2596	SALT_T5	Shaft salt column compacted:time 100 to 200 years	SAT_RBRN	Residual Brine Saturation	33626	14-Feb-96	Y	1
Y	100	2596	SALT_T5	Shaft salt column compacted:time 100 to 200 years	SAT_RBRN	Residual Brine Saturation	33626	14-Feb-96	Y	1
Y	100	2597	SALT_T5	Shaft salt column compacted:time 100 to 200 years	SAT_RGAS	Residual Gas Saturation	33628	14-Feb-96	Y	1
Y	100	2597	SALT_T5	Shaft salt column compacted:time 100 to 200 years	SAT_RGAS	Residual Gas Saturation	33628	14-Feb-96	Y	1
Y	100	2597	SALT_T5	Shaft salt column compacted:time 100 to 200 years	SAT_RGAS	Residual Gas Saturation	33628	14-Feb-96	Y	1
Y	100	2597	SALT_T5	Shaft salt column compacted:time 100 to 200 years	SAT_RGAS	Residual Gas Saturation	33628	14-Feb-96	Y	1
Y		2599	ASPHALT	Asphalt column	KPT	Flag for Permeability Determined Threshold	31381	20-Feb-96	Y	4B
Y		2599	ASPHALT	Asphalt column	KPT	Flag for Permeability Determined Threshold	31381	20-Feb-96	Y	4B
Y		2599	ASPHALT	Asphalt column	KPT	Flag for Permeability Determined Threshold	31381	20-Feb-96	Y	4B
Y		2599	ASPHALT	Asphalt column	KPT	Flag for Permeability Determined Threshold	31381	20-Feb-96	Y	4B
Y		2599	ASPHALT	Asphalt column	KPT	Flag for Permeability Determined Threshold	31381	20-Feb-96	Y	4B

CCA Parameter-Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to quality existing data? (footnote 3)
2583	1,3	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO40486	Y	N/A
2583	1,3	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO40514	Y	N/A
2585	1,3,4	CONSTANT	5.000000E-02	5.000000E-02	5.000000E-02	5.000000E-02	m³/m³	WPO30640	Y	N/A
2585	1,3,4	CONSTANT	5.000000E-02	5.000000E-02	5.000000E-02	5.000000E-02	m³/m³	WPO30994	Y	N/A
2585	1,3,4	CONSTANT	5.000000E-02	5.000000E-02	5.000000E-02	5.000000E-02	m³/m³	WPO35597	Y	N/A
2594	1,3	CONSTANT	4.000000E+00	4.000000E+00	4.000000E+00	4.000000E+00	NONE	WPO30640	Y	N/A
2594	1,3	CONSTANT	4.000000E+00	4.000000E+00	4.000000E+00	4.000000E+00	NONE	WPO30994	Y	N/A
2594	1,3	CONSTANT	4.000000E+00	4.000000E+00	4.000000E+00	4.000000E+00	NONE	WPO35597	Y	N/A
2594	1,3	CONSTANT	4.000000E+00	4.000000E+00	4.000000E+00	4.000000E+00	NONE	WPO40486	Y	N/A
2594	1,3	CONSTANT	4.000000E+00	4.000000E+00	4.000000E+00	4.000000E+00	NONE	WPO40514	Y	N/A
2596	3,4	CUMULATIVE	2.500000E-01	2.000000E-01	0.000000E+00	6.000000E-01	NONE	WPO30640	Y	N/A
2596	3,4	CUMULATIVE	2.500000E-01	2.000000E-01	0.000000E+00	6.000000E-01	NONE	WPO30994	Y	N/A
2596	3,4	CUMULATIVE	2.500000E-01	2.000000E-01	0.000000E+00	6.000000E-01	NONE	WPO35268	Y	N/A
2596	3,4	CUMULATIVE	2.500000E-01	2.000000E-01	0.000000E+00	6.000000E-01	NONE	WPO35597	Y	N/A
2596	3,4	CUMULATIVE	2.500000E-01	2.000000E-01	0.000000E+00	6.000000E-01	NONE	WPO41558	Y	N/A
2596	3,4	CUMULATIVE	2.500000E-01	2.000000E-01	0.000000E+00	6.000000E-01	NONE	WPO42751	Y	N/A
2597	3,4	UNIFORM	2.000000E-01	2.000000E-01	0.000000E+00	4.000000E-01	NONE	WPO30640	Y	N/A
2597	3,4	UNIFORM	2.000000E-01	2.000000E-01	0.000000E+00	4.000000E-01	NONE	WPO30994	Y	N/A
2597	3,4	UNIFORM	2.000000E-01	2.000000E-01	0.000000E+00	4.000000E-01	NONE	WPO35268	Y	N/A
2597	3,4	UNIFORM	2.000000E-01	2.000000E-01	0.000000E+00	4.000000E-01	NONE	WPO35597	Y	N/A
2597	3,4	UNIFORM	2.000000E-01	2.000000E-01	0.000000E+00	4.000000E-01	NONE	WPO41558	Y	N/A
2599	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO30640	Y	N/A
2599	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO30994	Y	N/A
2599	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35271	Y	N/A
2599	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35333	Y	N/A
2599	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35597	Y	N/A

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 454 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		2599	ASPHALT	Asphalt column	KPT	Flag for Permeability Determined Threshold	31381	20-Feb-96	Y	4B
Y		2600	ASPHALT	Asphalt column	PCT_A	Threshold Pressure Linear Parameter	31382	16-Feb-96	Y	1
Y		2600	ASPHALT	Asphalt column	PCT_A	Threshold Pressure Linear Parameter	31382	16-Feb-96	Y	1
Y		2600	ASPHALT	Asphalt column	PCT_A	Threshold Pressure Linear Parameter	31382	16-Feb-96	Y	1
Y		2601	ASPHALT	Asphalt column	PCT_EXP	Threshold pressure exponential parameter	31384	13-Feb-96	Y	1
Y		2601	ASPHALT	Asphalt column	PCT_EXP	Threshold pressure exponential parameter	31384	13-Feb-96	Y	1
Y		2601	ASPHALT	Asphalt column	PCT_EXP	Threshold pressure exponential parameter	31384	13-Feb-96	Y	1
Y		2604	OPS_AREA	Operations Region	KPT	Flag for Permeability Determined Threshold	32614	16-Feb-96	Y	4B
Y		2604	OPS_AREA	Operations Region	KPT	Flag for Permeability Determined Threshold	32614	16-Feb-96	Y	4B
Y		2604	OPS_AREA	Operations Region	KPT	Flag for Permeability Determined Threshold	32614	16-Feb-96	Y	4B
Y		2604	OPS_AREA	Operations Region	KPT	Flag for Permeability Determined Threshold	32614	16-Feb-96	Y	4B
Y		2604	OPS_AREA	Operations Region	KPT	Flag for Permeability Determined Threshold	32614	16-Feb-96	Y	4B
Y		2604	OPS_AREA	Operations Region	KPT	Flag for Permeability Determined Threshold	32614	16-Feb-96	Y	4B
Y		2604	OPS_AREA	Operations Region	KPT	Flag for Permeability Determined Threshold	32614	16-Feb-96	Y	4B
Y		2605	OPS_AREA	Operations Region	PCT_A	Threshold Pressure Linear Parameter	32616A	16-Feb-96	Y	4B
Y		2605	OPS_AREA	Operations Region	PCT_A	Threshold Pressure Linear Parameter	32616A	16-Feb-96	Y	4B
Y		2605	OPS_AREA	Operations Region	PCT_A	Threshold Pressure Linear Parameter	32616A	16-Feb-96	Y	4B
Y		2605	OPS_AREA	Operations Region	PCT_A	Threshold Pressure Linear Parameter	32616A	16-Feb-96	Y	4B
Y		2606	OPS_AREA	Operations Region	PCT_EXP	Threshold pressure exponential parameter	32618	16-Feb-96	Y	4B
Y		2606	OPS_AREA	Operations Region	PCT_EXP	Threshold pressure exponential parameter	32618	16-Feb-96	Y	4B
Y		2606	OPS_AREA	Operations Region	PCT_EXP	Threshold pressure exponential parameter	32618	16-Feb-96	Y	4B
Y		2606	OPS_AREA	Operations Region	PCT_EXP	Threshold pressure exponential parameter	32618	16-Feb-96	Y	4B
Y		2608	CASTILER	Castile Brine Reservoir	KPT	Flag for Permeability Determined Threshold	31583	20-Feb-96	Y	4B
Y		2608	CASTILER	Castile Brine Reservoir	KPT	Flag for Permeability Determined Threshold	31583	20-Feb-96	Y	4B
Y		2608	CASTILER	Castile Brine Reservoir	KPT	Flag for Permeability Determined Threshold	31583	20-Feb-96	Y	4B
Y		2608	CASTILER	Castile Brine Reservoir	KPT	Flag for Permeability Determined Threshold	31583	20-Feb-96	-Y	4B
Y		2609	CASTILER	Castile Brine Reservoir	PCT_A	Threshold Pressure Linear Parameter	31605	14-Nov-95	Y	4B
Y		2609	CASTILER	Castile Brine Reservoir	PCT_A	Threshold Pressure Linear Parameter	31605	14-Nov-95	Y	4B
Y		2610	CASTILER	Castile Brine Reservoir	PCT_EXP	Threshold pressure exponential parameter	31606	14-Nov-95	Y	4B
Y		2610	CASTILER	Castile Brine Reservoir	PCT_EXP	Threshold pressure exponential parameter	31606	14-Nov-95	Y	4B
Y		2612	CAVITY_1	Cavity for Waste Areas	KPT	Flag for Permeability Determined Threshold	31650	17-Feb-96	Y	4B
Y		2612	CAVITY_1	Cavity for Waste Areas	KPT	Flag for Permeability Determined Threshold	31650	17-Feb-96	Y	4B
Y		2612	CAVITY_1	Cavity for Waste Areas	KPT	Flag for Permeability Determined Threshold	31650	17-Feb-96	Y	4B
Y		2612	CAVITY_1	Cavity for Waste Areas	KPT	Flag for Permeability Determined Threshold	31650	17-Feb-96	Y	4B
Y		2612	CAVITY_1	Cavity for Waste Areas	KPT	Flag for Permeability Determined Threshold	31650	17-Feb-96	Y	4B
Y		2613	CAVITY_1	Cavity for Waste Areas	PCT_A	Threshold Pressure Linear Parameter	31670	17-Feb-96	Y	4B
Y		2613	CAVITY_1	Cavity for Waste Areas	PCT_A	Threshold Pressure Linear Parameter	31670	17-Feb-96	Y	4B

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
2599	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40514	Y	N/A
2600	3,4	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Pa	WPO30640	Y	N/A
2600	3,4	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Pa	WPO30994	Y	N/A
2600	3,4	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Pa	WPO35597	Y	N/A
2601	3,4	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO30640	Y	N/A
2601	3,4	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO30994	Y	N/A
2601	3,4	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35597	Y	N/A
2604	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35271	Y	N/A
2604	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35330	Y	N/A
2604	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35333	Y	N/A
2604	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35597	Y	N/A
2604	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO36320	Y	N/A
2604	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40514	Y	N/A
2605	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Pa	WPO35330	Y	N/A
2605	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Pa	WPO35597	Y	N/A
2605	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Pa	WPO36320	Y	N/A
2605	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Pa	WPO40514	Y	N/A
2606	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35330	Y	N/A
2606	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35597	Y	N/A
2606	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO36320	Y	N/A
2606	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40514	Y	N/A
2608	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35271	Y	N/A
2608	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35333	Y	N/A
2608	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35597	Y	N/A
2608	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40514	Y	N/A
2609	1,3,4	CONSTANT	5.600000E-01	5.600000E-01	5.600000E-01	5.600000E-01	Pa	WPO38568	Y	N/A
2609	1,3,4	CONSTANT	5.600000E-01	5.600000E-01	5.600000E-01	5.600000E-01	Pa	WPO40514	Y	N/A
2610	1,3,4	CONSTANT	-3.460000E-01	-3.460000E-01	-3.460000E-01	-3.460000E-01	NONE	WPO38568	Y	N/A
2610	1,3,4	CONSTANT	-3.460000E-01	-3.460000E-01	-3.460000E-01	-3.460000E-01	NONE	WPO40514	Y	N/A
2612	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	MEMO:VAUGHN/ TIERNEY-9	Y	N/A
2612	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35271	Y	N/A
2612	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35333	Y	N/A
2612	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35597	Y	N/A
2612	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40514	Y	N/A
2613	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Pa	MEMO:VAUGHN/ TIERNEY-9	Y	N/A
2613	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Pa	WPO35597	Y	N/A

CCA Parameter Listing-

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 464 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		2613	CAVITY_1	Cavity for Waste Areas	PCT_A	Threshold Pressure Linear Parameter	31670	17-Feb-96	Y	4B
Y		2614	CAVITY_1	Cavity for Waste Areas	PCT_EXP	Threshold pressure exponential parameter	31672	17-Feb-96	Y	4B
Y		2614	CAVITY_1	Cavity for Waste Areas	PCT_EXP	Threshold pressure exponential parameter	31672	17-Feb-96	Y	4B
Y		2614	CAVITY_1	Cavity for Waste Areas	PCT_EXP	Threshold pressure exponential parameter	31672	17-Feb-96	Y	4B
Y		2616	CAVITY_2	Cavity for Non-waste Areas	KPT	Flag for Permeability Determined Threshold	31716	14-Nov-95	Y	4B
Y		2616	CAVITY_2	Cavity for Non-waste Areas	KPT	Flag for Permeability Determined Threshold	31716	14-Nov-95	Y	4B
Y		2616	CAVITY_2	Cavity for Non-waste Areas	KPT	Flag for Permeability Determined Threshold	31716	14-Nov-95	Y	4B
Y		2616	CAVITY_2	Cavity for Non-waste Areas	KPT	Flag for Permeability Determined Threshold	31716	14-Nov-95	Y	4B
Y		2616	CAVITY_2	Cavity for Non-waste Areas	KPT	Flag for Permeability Determined Threshold	31716	14-Nov-95	Y	4B
Y		2617	CAVITY_2	Cavity for Non-waste Areas	PCT_A	Threshold Pressure Linear Parameter	31740	14-Nov-95	Y	4B
Y		2617	CAVITY_2	Cavity for Non-waste Areas	PCT_A	Threshold Pressure Linear Parameter	31740	14-Nov-95	Y	4B
Y		2617	CAVITY_2	Cavity for Non-waste Areas	PCT_A	Threshold Pressure Linear Parameter	31740	14-Nov-95	Y	4B
Y		2618	CAVITY_2	Cavity for Non-waste Areas	PCT_EXP	Threshold pressure exponential parameter	31741	14-Nov-95	Y	4B
Y		2618	CAVITY_2	Cavity for Non-waste Areas	PCT_EXP	Threshold pressure exponential parameter	31741	14-Nov-95	Y	4B
Y		2618	CAVITY_2	Cavity for Non-waste Areas	PCT_EXP	Threshold pressure exponential parameter	31741	14-Nov-95	Y	4B
Y		2620	CAVITY_3	Cavity for Shaft	KPT	Flag for Permeability Determined Threshold	31770	17-Feb-96	Y	4B
Y		2620	CAVITY_3	Cavity for Shaft	KPT	Flag for Permeability Determined Threshold	31770	17-Feb-96	Y	4B
Y		2620	CAVITY_3	Cavity for Shaft	KPT	Flag for Permeability Determined Threshold	31770	17-Feb-96	Y	4B
Y		2620	CAVITY_3	Cavity for Shaft	KPT	Flag for Permeability Determined Threshold	31770	17-Feb-96	Y	4B
Y		2621	CAVITY_3	Cavity for Shaft	PCT_A	Threshold Pressure Linear Parameter	31773	17-Feb-96	Y	4B
Y		2621	CAVITY_3	Cavity for Shaft	PCT_A	Threshold Pressure Linear Parameter	31773	17-Feb-96	Y	4B
Y		2621	CAVITY_3	Cavity for Shaft	PCT_A	Threshold Pressure Linear Parameter	31773	17-Feb-96	Y	4B
Y		2622	CAVITY_3	Cavity for Shaft	PCT_EXP	Threshold pressure exponential parameter	31774	17-Feb-96	Y	4B
Y		2622	CAVITY_3	Cavity for Shaft	PCT_EXP	Threshold pressure exponential parameter	31774	17-Feb-96	--Y	4B
Y		2622	CAVITY_3	Cavity for Shaft	PCT_EXP	Threshold pressure exponential parameter	31774	17-Feb-96	Y	4B
Y		2623	CAVITY_3	Cavity for Shaft	PO_Min	Minimum brine pressure for capillary model KPC=3	31779	17-Feb-96	Y	4B
Y		2623	CAVITY_3	Cavity for Shaft	PO_Min	Minimum brine pressure for capillary model KPC=3	31779	17-Feb-96	Y	4B
Y		2623	CAVITY_3	Cavity for Shaft	PO_Min	Minimum brine pressure for capillary model KPC=3	31779	17-Feb-96	Y	4B
Y		2623	CAVITY_3	Cavity for Shaft	PO_Min	Minimum brine pressure for capillary model KPC=3	31779	17-Feb-96	Y	4B
Y		2625	CAVITY_4	Cavity for Borehole	KPT	Flag for Permeability Determined Threshold	31796	17-Feb-96	Y	4B
Y		2625	CAVITY_4	Cavity for Borehole	KPT	Flag for Permeability Determined Threshold	31796	17-Feb-96	Y	4B
Y		2625	CAVITY_4	Cavity for Borehole	KPT	Flag for Permeability Determined Threshold	31796	17-Feb-96	Y	4B
Y		2625	CAVITY_4	Cavity for Borehole	KPT	Flag for Permeability Determined Threshold	31796	17-Feb-96	Y	4B
Y		2625	CAVITY_4	Cavity for Borehole	KPT	Flag for Permeability Determined Threshold	31796	17-Feb-96	Y	4B
Y		2626	CAVITY_4	Cavity for Borehole	PCT_A	Threshold Pressure Linear Parameter	31797	17-Feb-96	Y	4B

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
2613	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Pa	WPO40514	Y	N/A
2614	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	MEMO:VAUGHN/ TIERNEY-9	Y	N/A
2614	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35597	Y	N/A
2614	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40514	Y	N/A
2616	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	MEMO:VAUGHN/ TIERNEY-9	Y	N/A
2616	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35271	Y	N/A
2616	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35333	Y	N/A
2616	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35597	Y	N/A
2616	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40514	Y	N/A
2617	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Pa	MEMO:VAUGHN/ TIERNEY-9	Y	N/A
2617	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Pa	WPO35597	Y	N/A
2617	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Pa	WPO40514	Y	N/A
2618	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	MEMO:VAUGHN/ TIERNEY-9	Y	N/A
2618	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35597	Y	N/A
2618	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40514	Y	N/A
2620	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	MEMO:VAUGHN/ TIERNEY-9	Y	N/A
2620	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35271	Y	N/A
2620	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35333	Y	N/A
2620	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35597	Y	N/A
2620	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40514	Y	N/A
2621	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Pa	MEMO:VAUGHN/ TIERNEY-9	Y	N/A
2621	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Pa	WPO35597	Y	N/A
2621	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Pa	WPO40514	Y	N/A
2622	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	MEMO:VAUGHN/ TIERNEY-9	Y	N/A
2622	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35597	-Y	N/A
2622	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40514	Y	N/A
2623	1,3	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	MEMO:VAUGHN/ TIERNEY-9	Y	N/A
2623	1,3	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO35597	Y	N/A
2623	1,3	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO36051	Y	N/A
2623	1,3	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO40514	Y	N/A
2625	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	MEMO:VAUGHN/ TIERNEY-9	Y	N/A
2625	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35271	Y	N/A
2625	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35333	Y	N/A
2625	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35597	Y	N/A
2625	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40514	Y	N/A
2626	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Pa	MEMO:VAUGHN/ TIERNEY-9	Y	N/A

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 454 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		2626	CAVITY_4	Cavity for Borehole	PCT_A	Threshold Pressure Linear Parameter	31797	17-Feb-96	Y	4B
Y		2626	CAVITY_4	Cavity for Borehole	PCT_A	Threshold Pressure Linear Parameter	31797	17-Feb-96	Y	4B
Y		2627	CAVITY_4	Cavity for Borehole	PCT_EXP	Threshold pressure exponential parameter	31798	17-Feb-96	Y	4B
Y		2627	CAVITY_4	Cavity for Borehole	PCT_EXP	Threshold pressure exponential parameter	31798	17-Feb-96	Y	4B
Y		2627	CAVITY_4	Cavity for Borehole	PCT_EXP	Threshold pressure exponential parameter	31798	17-Feb-96	Y	4B
Y		2628	CAVITY_4	Cavity for Borehole	PO_MIN	Minimum brine pressure for capillary model KPC=3	31803	17-Feb-96	Y	4B
Y		2628	CAVITY_4	Cavity for Borehole	PO_MIN	Minimum brine pressure for capillary model KPC=3	31803	17-Feb-96	Y	4B
Y		2628	CAVITY_4	Cavity for Borehole	PO_MIN	Minimum brine pressure for capillary model KPC=3	31803	17-Feb-96	Y	4B
Y		2628	CAVITY_4	Cavity for Borehole	PO_MIN	Minimum brine pressure for capillary model KPC=3	31803	17-Feb-96	Y	4B
Y		2636	CLAY_BOT	Shaft Bottom Clay	KPT	Flag for Permeability Determined Threshold	31858	21-Feb-96	Y	4B
Y		2636	CLAY_BOT	Shaft Bottom Clay	KPT	Flag for Permeability Determined Threshold	31858	21-Feb-96	Y	4B
Y		2636	CLAY_BOT	Shaft Bottom Clay	KPT	Flag for Permeability Determined Threshold	31858	21-Feb-96	Y	4B
Y		2636	CLAY_BOT	Shaft Bottom Clay	KPT	Flag for Permeability Determined Threshold	31858	21-Feb-96	Y	4B
Y	100	2637	CLAY_BOT	Shaft Bottom Clay	PCT_A	Threshold Pressure Linear Parameter	31859	21-Feb-96	Y	4B
Y	100	2637	CLAY_BOT	Shaft Bottom Clay	PCT_A	Threshold Pressure Linear Parameter	31859	21-Feb-96	Y	4B
Y	100	2637	CLAY_BOT	Shaft Bottom Clay	PCT_A	Threshold Pressure Linear Parameter	31859	21-Feb-96	Y	4B
Y	100	2637	CLAY_BOT	Shaft Bottom Clay	PCT_A	Threshold Pressure Linear Parameter	31859	21-Feb-96	Y	4B
Y	100	2637	CLAY_BOT	Shaft Bottom Clay	PCT_A	Threshold Pressure Linear Parameter	31859	21-Feb-96	Y	4B
Y	100	2637	CLAY_BOT	Shaft Bottom Clay	PCT_A	Threshold Pressure Linear Parameter	31859	21-Feb-96	Y	4B
Y	100	2638	CLAY_BOT	Shaft Bottom Clay	PCT_EXP	Threshold pressure exponential parameter	31860	21-Feb-96	Y	4B
Y	100	2638	CLAY_BOT	Shaft Bottom Clay	PCT_EXP	Threshold pressure exponential parameter	31860	21-Feb-96	Y	4B
Y	100	2638	CLAY_BOT	Shaft Bottom Clay	PCT_EXP	Threshold pressure exponential parameter	31860	21-Feb-96	Y	4B
Y	100	2638	CLAY_BOT	Shaft Bottom Clay	PCT_EXP	Threshold pressure exponential parameter	31860	21-Feb-96	Y	4B
Y	100	2638	CLAY_BOT	Shaft Bottom Clay	PCT_EXP	Threshold pressure exponential parameter	31860	21-Feb-96	Y	4B
Y	100	2638	CLAY_BOT	Shaft Bottom Clay	PCT_EXP	Threshold pressure exponential parameter	31860	21-Feb-96	--Y	4B
Y		2641	CL_L_T1	Lower Salado clay:0 to 10 years	KPT	Flag for Permeability Determined Threshold	31900	20-Feb-96	Y	4B
Y		2641	CL_L_T1	Lower Salado clay:0 to 10 years	KPT	Flag for Permeability Determined Threshold	31900	20-Feb-96	Y	4B
Y		2641	CL_L_T1	Lower Salado clay:0 to 10 years	KPT	Flag for Permeability Determined Threshold	31900	20-Feb-96	Y	4B
Y		2641	CL_L_T1	Lower Salado clay:0 to 10 years	KPT	Flag for Permeability Determined Threshold	31900	20-Feb-96	Y	4B
Y		2641	CL_L_T1	Lower Salado clay:0 to 10 years	KPT	Flag for Permeability Determined Threshold	31900	20-Feb-96	Y	4B
Y	100	2642	CL_L_T1	Lower Salado clay:0 to 10 years	PCT_A	Threshold Pressure Linear Parameter	31901	13-Feb-96	Y	1
Y	100	2642	CL_L_T1	Lower Salado clay:0 to 10 years	PCT_A	Threshold Pressure Linear Parameter	31901	13-Feb-96	Y	1
Y	100	2642	CL_L_T1	Lower Salado clay:0 to 10 years	PCT_A	Threshold Pressure Linear Parameter	31901	13-Feb-96	Y	1
Y	100	2642	CL_L_T1	Lower Salado clay:0 to 10 years	PCT_A	Threshold Pressure Linear Parameter	31901	13-Feb-96	Y	1
Y	100	2643	CL_L_T1	Lower Salado clay:0 to 10 years	PCT_EXP	Threshold pressure exponential parameter	31902	13-Feb-96	Y	1
Y	100	2643	CL_L_T1	Lower Salado clay:0 to 10 years	PCT_EXP	Threshold pressure exponential parameter	31902	13-Feb-96	Y	1

CCA Parameter-Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to quality existing data? (footnote 3)
2626	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Pa	WPO35597	Y	N/A
2626	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Pa	WPO40514	Y	N/A
2627	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	MEMO:VAUGHN/ TIERNEY-9	Y	N/A
2627	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35597	Y	N/A
2627	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40514	Y	N/A
2628	1,3	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	MEMO:VAUGHN/ TIERNEY-9	Y	N/A
2628	1,3	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO35597	Y	N/A
2628	1,3	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO36051	Y	N/A
2628	1,3	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO40514	Y	N/A
2636	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35271	Y	N/A
2636	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35333	Y	N/A
2636	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35597	Y	N/A
2636	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40514	Y	N/A
2637	1,3,4	CONSTANT	5.600000E-01	5.600000E-01	5.600000E-01	5.600000E-01	Pa	WPO30994	Y	N/A
2637	1,3,4	CONSTANT	5.600000E-01	5.600000E-01	5.600000E-01	5.600000E-01	Pa	WPO35267	Y	N/A
2637	1,3,4	CONSTANT	5.600000E-01	5.600000E-01	5.600000E-01	5.600000E-01	Pa	WPO35597	Y	N/A
2637	1,3,4	CONSTANT	5.600000E-01	5.600000E-01	5.600000E-01	5.600000E-01	Pa	WPO36383	Y	N/A
2637	1,3,4	CONSTANT	5.600000E-01	5.600000E-01	5.600000E-01	5.600000E-01	Pa	WPO40434	Y	N/A
2637	1,3,4	CONSTANT	5.600000E-01	5.600000E-01	5.600000E-01	5.600000E-01	Pa	WPO40514	Y	N/A
2638	1,3,4	CONSTANT	-3.460000E-01	-3.460000E-01	-3.460000E-01	-3.460000E-01	NONE	WPO30994	Y	N/A
2638	1,3,4	CONSTANT	-3.460000E-01	-3.460000E-01	-3.460000E-01	-3.460000E-01	NONE	WPO35267	Y	N/A
2638	1,3,4	CONSTANT	-3.460000E-01	-3.460000E-01	-3.460000E-01	-3.460000E-01	NONE	WPO35597	Y	N/A
2638	1,3,4	CONSTANT	-3.460000E-01	-3.460000E-01	-3.460000E-01	-3.460000E-01	NONE	WPO36383	Y	N/A
2638	1,3,4	CONSTANT	-3.460000E-01	-3.460000E-01	-3.460000E-01	-3.460000E-01	NONE	WPO40434	Y	N/A
2638	1,3,4	CONSTANT	-3.460000E-01	-3.460000E-01	-3.460000E-01	-3.460000E-01	NONE	WPO40514	-Y	N/A
2641	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO30640	Y	N/A
2641	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO30994	Y	N/A
2641	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35333	Y	N/A
2641	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35597	Y	N/A
2641	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40514	Y	N/A
2642	3,4	CONSTANT	5.600000E-01	5.600000E-01	5.600000E-01	5.600000E-01	Pa	WPO30640	Y	N/A
2642	3,4	CONSTANT	5.600000E-01	5.600000E-01	5.600000E-01	5.600000E-01	Pa	WPO30994	Y	N/A
2642	3,4	CONSTANT	5.600000E-01	5.600000E-01	5.600000E-01	5.600000E-01	Pa	WPO35597	Y	N/A
2642	3,4	CONSTANT	5.600000E-01	5.600000E-01	5.600000E-01	5.600000E-01	Pa	WPO40434	Y	N/A
2643	3,4	CONSTANT	-3.460000E-01	-3.460000E-01	-3.460000E-01	-3.460000E-01	NONE	WPO30640	Y	N/A
2643	3,4	CONSTANT	-3.460000E-01	-3.460000E-01	-3.460000E-01	-3.460000E-01	NONE	WPO30994	Y	N/A

CCA-Parameter-Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 484 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y	100	2643	CL_L_T1	Lower Salado clay:0 to 10 years	PCT_EXP	Threshold pressure exponential parameter	31902	13-Feb-96	Y	1
Y	100	2643	CL_L_T1	Lower Salado clay:0 to 10 years	PCT_EXP	Threshold pressure exponential parameter	31902	13-Feb-96	Y	1
Y		2646	CL_L_T2	Lower Salado clay:10 to 25 years	KPT	Flag for Permeability Determined Threshold	31927	20-Feb-96	Y	4B
Y		2646	CL_L_T2	Lower Salado clay:10 to 25 years	KPT	Flag for Permeability Determined Threshold	31927	20-Feb-96	Y	4B
Y		2646	CL_L_T2	Lower Salado clay:10 to 25 years	KPT	Flag for Permeability Determined Threshold	31927	20-Feb-96	Y	4B
Y		2646	CL_L_T2	Lower Salado clay:10 to 25 years	KPT	Flag for Permeability Determined Threshold	31927	20-Feb-96	Y	4B
Y		2646	CL_L_T2	Lower Salado clay:10 to 25 years	KPT	Flag for Permeability Determined Threshold	31927	20-Feb-96	Y	4B
Y	100	2647	CL_L_T2	Lower Salado clay:10 to 25 years	PCT_A	Threshold Pressure Linear Parameter	31928	14-Feb-96	Y	1
Y	100	2647	CL_L_T2	Lower Salado clay:10 to 25 years	PCT_A	Threshold Pressure Linear Parameter	31928	14-Feb-96	Y	1
Y	100	2647	CL_L_T2	Lower Salado clay:10 to 25 years	PCT_A	Threshold Pressure Linear Parameter	31928	14-Feb-96	Y	1
Y	100	2647	CL_L_T2	Lower Salado clay:10 to 25 years	PCT_A	Threshold Pressure Linear Parameter	31928	14-Feb-96	Y	1
Y	100	2648	CL_L_T2	Lower Salado clay:10 to 25 years	PCT_EXP	Threshold pressure exponential parameter	31929	14-Feb-96	Y	1
Y	100	2648	CL_L_T2	Lower Salado clay:10 to 25 years	PCT_EXP	Threshold pressure exponential parameter	31929	14-Feb-96	Y	1
Y	100	2648	CL_L_T2	Lower Salado clay:10 to 25 years	PCT_EXP	Threshold pressure exponential parameter	31929	14-Feb-96	Y	1
Y	100	2648	CL_L_T2	Lower Salado clay:10 to 25 years	PCT_EXP	Threshold pressure exponential parameter	31929	14-Feb-96	Y	1
Y		2651	CL_L_T3	Lower Salado clay:25 to 50 years	KPT	Flag for Permeability Determined Threshold	31978	20-Feb-96	Y	4B
Y		2651	CL_L_T3	Lower Salado clay:25 to 50 years	KPT	Flag for Permeability Determined Threshold	31978	20-Feb-96	Y	4B
Y		2651	CL_L_T3	Lower Salado clay:25 to 50 years	KPT	Flag for Permeability Determined Threshold	31978	20-Feb-96	Y	4B
Y		2651	CL_L_T3	Lower Salado clay:25 to 50 years	KPT	Flag for Permeability Determined Threshold	31978	20-Feb-96	Y	4B
Y		2651	CL_L_T3	Lower Salado clay:25 to 50 years	KPT	Flag for Permeability Determined Threshold	31978	20-Feb-96	Y	4B
Y	100	2652	CL_L_T3	Lower Salado clay:25 to 50 years	PCT_A	Threshold Pressure Linear Parameter	31979	14-Feb-96	Y	1
Y	100	2652	CL_L_T3	Lower Salado clay:25 to 50 years	PCT_A	Threshold Pressure Linear Parameter	31979	14-Feb-96	Y	1
Y	100	2652	CL_L_T3	Lower Salado clay:25 to 50 years	PCT_A	Threshold Pressure Linear Parameter	31979	14-Feb-96	Y	1
Y	100	2652	CL_L_T3	Lower Salado clay:25 to 50 years	PCT_A	Threshold Pressure Linear Parameter	31979	14-Feb-96	Y	1
Y	100	2653	CL_L_T3	Lower Salado clay:25 to 50 years	PCT_EXP	Threshold pressure exponential parameter	31980	14-Feb-96	Y	1
Y	100	2653	CL_L_T3	Lower Salado clay:25 to 50 years	PCT_EXP	Threshold pressure exponential parameter	31980	14-Feb-96	Y	1
Y	100	2653	CL_L_T3	Lower Salado clay:25 to 50 years	PCT_EXP	Threshold pressure exponential parameter	31980	14-Feb-96	Y	1
Y	100	2653	CL_L_T3	Lower Salado clay:25 to 50 years	PCT_EXP	Threshold pressure exponential parameter	31980	14-Feb-96	Y	1
Y		2656	CL_M_T1	Upper Salado clay:0 to 10 years	KPT	Flag for Permeability Determined Threshold	32040	20-Feb-96	Y	4B
Y		2656	CL_M_T1	Upper Salado clay:0 to 10 years	KPT	Flag for Permeability Determined Threshold	32040	20-Feb-96	Y	4B
Y		2656	CL_M_T1	Upper Salado clay:0 to 10 years	KPT	Flag for Permeability Determined Threshold	32040	20-Feb-96	Y	4B
Y		2656	CL_M_T1	Upper Salado clay:0 to 10 years	KPT	Flag for Permeability Determined Threshold	32040	20-Feb-96	Y	4B
Y		2656	CL_M_T1	Upper Salado clay:0 to 10 years	KPT	Flag for Permeability Determined Threshold	32040	20-Feb-96	Y	4B
Y	100	2657	CL_M_T1	Upper Salado clay:0 to 10 years	PCT_A	Threshold Pressure Linear Parameter	32041	15-Feb-96	Y	1

-CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
2643	3,4	CONSTANT	-3.460000E-01	-3.460000E-01	-3.460000E-01	-3.460000E-01	NONE	WPO35597	Y	N/A
2643	3,4	CONSTANT	-3.460000E-01	-3.460000E-01	-3.460000E-01	-3.460000E-01	NONE	WPO40434	Y	N/A
2646	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO30640	Y	N/A
2646	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO30994	Y	N/A
2646	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35333	Y	N/A
2646	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35597	Y	N/A
2646	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40514	Y	N/A
2647	3,4	CONSTANT	5.600000E-01	5.600000E-01	5.600000E-01	5.600000E-01	Pa	WPO30640	Y	N/A
2647	3,4	CONSTANT	5.600000E-01	5.600000E-01	5.600000E-01	5.600000E-01	Pa	WPO30994	Y	N/A
2647	3,4	CONSTANT	5.600000E-01	5.600000E-01	5.600000E-01	5.600000E-01	Pa	WPO35597	Y	N/A
2647	3,4	CONSTANT	5.600000E-01	5.600000E-01	5.600000E-01	5.600000E-01	Pa	WPO40434	Y	N/A
2648	3,4	CONSTANT	-3.460000E-01	-3.460000E-01	-3.460000E-01	-3.460000E-01	NONE	WPO30640	Y	N/A
2648	3,4	CONSTANT	-3.460000E-01	-3.460000E-01	-3.460000E-01	-3.460000E-01	NONE	WPO30994	Y	N/A
2648	3,4	CONSTANT	-3.460000E-01	-3.460000E-01	-3.460000E-01	-3.460000E-01	NONE	WPO35597	Y	N/A
2648	3,4	CONSTANT	-3.460000E-01	-3.460000E-01	-3.460000E-01	-3.460000E-01	NONE	WPO40434	Y	N/A
2651	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO30640	Y	N/A
2651	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO30994	Y	N/A
2651	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35271	Y	N/A
2651	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35333	Y	N/A
2651	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35597	Y	N/A
2651	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40514	Y	N/A
2652	3,4	CONSTANT	5.600000E-01	5.600000E-01	5.600000E-01	5.600000E-01	Pa	WPO30640	Y	N/A
2652	3,4	CONSTANT	5.600000E-01	5.600000E-01	5.600000E-01	5.600000E-01	Pa	WPO30994	Y	N/A
2652	3,4	CONSTANT	5.600000E-01	5.600000E-01	5.600000E-01	5.600000E-01	Pa	WPO35597	Y	N/A
2652	3,4	CONSTANT	5.600000E-01	5.600000E-01	5.600000E-01	5.600000E-01	Pa	WPO40434	Y	N/A
2653	3,4	CONSTANT	-3.460000E-01	-3.460000E-01	-3.460000E-01	-3.460000E-01	NONE	WPO30640	Y	N/A
2653	3,4	CONSTANT	-3.460000E-01	-3.460000E-01	-3.460000E-01	-3.460000E-01	NONE	WPO30994	Y	N/A
2653	3,4	CONSTANT	-3.460000E-01	-3.460000E-01	-3.460000E-01	-3.460000E-01	NONE	WPO35597	Y	N/A
2653	3,4	CONSTANT	-3.460000E-01	-3.460000E-01	-3.460000E-01	-3.460000E-01	NONE	WPO40434	Y	N/A
2656	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO30640	Y	N/A
2656	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO30994	Y	N/A
2656	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35271	Y	N/A
2656	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35333	Y	N/A
2656	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35597	Y	N/A
2656	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40514	Y	N/A
2657	3,4	CONSTANT	5.600000E-01	5.600000E-01	5.600000E-01	5.600000E-01	Pa	WPO30640	Y	N/A

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 484 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y	100	2657	CL_M_T1	Upper Salado clay:0 to 10 years	PCT_A	Threshold Pressure Linear Parameter	32041	15-Feb-96	Y	1
Y	100	2657	CL_M_T1	Upper Salado clay:0 to 10 years	PCT_A	Threshold Pressure Linear Parameter	32041	15-Feb-96	Y	1
Y	100	2657	CL_M_T1	Upper Salado clay:0 to 10 years	PCT_A	Threshold Pressure Linear Parameter	32041	15-Feb-96	Y	1
Y	100	2658	CL_M_T1	Upper Salado clay:0 to 10 years	PCT_EXP	Threshold pressure exponential parameter	32042	15-Feb-96	Y	1
Y	100	2658	CL_M_T1	Upper Salado clay:0 to 10 years	PCT_EXP	Threshold pressure exponential parameter	32042	15-Feb-96	Y	1
Y	100	2658	CL_M_T1	Upper Salado clay:0 to 10 years	PCT_EXP	Threshold pressure exponential parameter	32042	15-Feb-96	Y	1
Y	100	2658	CL_M_T1	Upper Salado clay:0 to 10 years	PCT_EXP	Threshold pressure exponential parameter	32042	15-Feb-96	Y	1
Y		2661	CL_M_T2	Upper Salado clay:10 to 25 years	KPT	Flag for Permeability Determined Threshold	32067	20-Feb-96	Y	4B
Y		2661	CL_M_T2	Upper Salado clay:10 to 25 years	KPT	Flag for Permeability Determined Threshold	32067	20-Feb-96	Y	4B
Y		2661	CL_M_T2	Upper Salado clay:10 to 25 years	KPT	Flag for Permeability Determined Threshold	32067	20-Feb-96	Y	4B
Y		2661	CL_M_T2	Upper Salado clay:10 to 25 years	KPT	Flag for Permeability Determined Threshold	32067	20-Feb-96	Y	4B
Y		2661	CL_M_T2	Upper Salado clay:10 to 25 years	KPT	Flag for Permeability Determined Threshold	32067	20-Feb-96	Y	4B
Y		2661	CL_M_T2	Upper Salado clay:10 to 25 years	KPT	Flag for Permeability Determined Threshold	32067	20-Feb-96	Y	4B
Y	100	2662	CL_M_T2	Upper Salado clay:10 to 25 years	PCT_A	Threshold Pressure Linear Parameter	32116	15-Feb-96	Y	1
Y	100	2662	CL_M_T2	Upper Salado clay:10 to 25 years	PCT_A	Threshold Pressure Linear Parameter	32116	15-Feb-96	Y	1
Y	100	2662	CL_M_T2	Upper Salado clay:10 to 25 years	PCT_A	Threshold Pressure Linear Parameter	32116	15-Feb-96	Y	1
Y	100	2662	CL_M_T2	Upper Salado clay:10 to 25 years	PCT_A	Threshold Pressure Linear Parameter	32116	15-Feb-96	Y	1
Y	100	2663	CL_M_T2	Upper Salado clay:10 to 25 years	PCT_EXP	Threshold pressure exponential parameter	31117	15-Feb-96	Y	1
Y	100	2663	CL_M_T2	Upper Salado clay:10 to 25 years	PCT_EXP	Threshold pressure exponential parameter	31117	15-Feb-96	Y	1
Y	100	2663	CL_M_T2	Upper Salado clay:10 to 25 years	PCT_EXP	Threshold pressure exponential parameter	31117	15-Feb-96	Y	1
Y	100	2663	CL_M_T2	Upper Salado clay:10 to 25 years	PCT_EXP	Threshold pressure exponential parameter	31117	15-Feb-96	Y	1
Y		2666	CL_M_T3	Upper Salado clay:25 to 50 years	KPT	Flag for Permeability Determined Threshold	32142	20-Feb-96	Y	4B
Y		2666	CL_M_T3	Upper Salado clay:25 to 50 years	KPT	Flag for Permeability Determined Threshold	32142	20-Feb-96	Y	4B
Y		2666	CL_M_T3	Upper Salado clay:25 to 50 years	KPT	Flag for Permeability Determined Threshold	32142	20-Feb-96	Y	4B
Y		2666	CL_M_T3	Upper Salado clay:25 to 50 years	KPT	Flag for Permeability Determined Threshold	32142	20-Feb-96	-Y	4B
Y		2666	CL_M_T3	Upper Salado clay:25 to 50 years	KPT	Flag for Permeability Determined Threshold	32142	20-Feb-96	Y	4B
Y		2666	CL_M_T3	Upper Salado clay:25 to 50 years	KPT	Flag for Permeability Determined Threshold	32142	20-Feb-96	Y	4B
Y	100	2667	CL_M_T3	Upper Salado clay:25 to 50 years	PCT_A	Threshold Pressure Linear Parameter	32143	15-Feb-96	Y	1
Y	100	2667	CL_M_T3	Upper Salado clay:25 to 50 years	PCT_A	Threshold Pressure Linear Parameter	32143	15-Feb-96	Y	1
Y	100	2667	CL_M_T3	Upper Salado clay:25 to 50 years	PCT_A	Threshold Pressure Linear Parameter	32143	15-Feb-96	Y	1
Y	100	2667	CL_M_T3	Upper Salado clay:25 to 50 years	PCT_A	Threshold Pressure Linear Parameter	32143	15-Feb-96	Y	1
Y	100	2668	CL_M_T3	Upper Salado clay:25 to 50 years	PCT_EXP	Threshold pressure exponential parameter	32144	15-Feb-96	Y	1
Y	100	2668	CL_M_T3	Upper Salado clay:25 to 50 years	PCT_EXP	Threshold pressure exponential parameter	32144	15-Feb-96	Y	1
Y	100	2668	CL_M_T3	Upper Salado clay:25 to 50 years	PCT_EXP	Threshold pressure exponential parameter	32144	15-Feb-96	Y	1
Y	100	2668	CL_M_T3	Upper Salado clay:25 to 50 years	PCT_EXP	Threshold pressure exponential parameter	32144	15-Feb-96	Y	1
Y		2671	CL_M_T4	Upper Salado clay:50 to 100 years	KPT	Flag for Permeability Determined Threshold	32194	20-Feb-96	Y	4B

CCA-Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
2657	3,4	CONSTANT	5.600000E-01	5.600000E-01	5.600000E-01	5.600000E-01	Pa	WPO30994	Y	N/A
2657	3,4	CONSTANT	5.600000E-01	5.600000E-01	5.600000E-01	5.600000E-01	Pa	WPO35597	Y	N/A
2657	3,4	CONSTANT	5.600000E-01	5.600000E-01	5.600000E-01	5.600000E-01	Pa	WPO40434	Y	N/A
2658	3,4	CONSTANT	-3.460000E-01	-3.460000E-01	-3.460000E-01	-3.460000E-01	NONE	WPO30640	Y	N/A
2658	3,4	CONSTANT	-3.460000E-01	-3.460000E-01	-3.460000E-01	-3.460000E-01	NONE	WPO30994	Y	N/A
2658	3,4	CONSTANT	-3.460000E-01	-3.460000E-01	-3.460000E-01	-3.460000E-01	NONE	WPO35597	Y	N/A
2658	3,4	CONSTANT	-3.460000E-01	-3.460000E-01	-3.460000E-01	-3.460000E-01	NONE	WPO40434	Y	N/A
2661	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO30640	Y	N/A
2661	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO30994	Y	N/A
2661	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35271	Y	N/A
2661	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35333	Y	N/A
2661	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35597	Y	N/A
2661	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40514	Y	N/A
2662	3,4	CONSTANT	5.600000E-01	5.600000E-01	5.600000E-01	5.600000E-01	Pa	WPO30640	Y	N/A
2662	3,4	CONSTANT	5.600000E-01	5.600000E-01	5.600000E-01	5.600000E-01	Pa	WPO30994	Y	N/A
2662	3,4	CONSTANT	5.600000E-01	5.600000E-01	5.600000E-01	5.600000E-01	Pa	WPO35597	Y	N/A
2662	3,4	CONSTANT	5.600000E-01	5.600000E-01	5.600000E-01	5.600000E-01	Pa	WPO40434	Y	N/A
2663	3,4	CONSTANT	-3.460000E-01	-3.460000E-01	-3.460000E-01	-3.460000E-01	NONE	WPO30640	Y	N/A
2663	3,4	CONSTANT	-3.460000E-01	-3.460000E-01	-3.460000E-01	-3.460000E-01	NONE	WPO30994	Y	N/A
2663	3,4	CONSTANT	-3.460000E-01	-3.460000E-01	-3.460000E-01	-3.460000E-01	NONE	WPO35597	Y	N/A
2663	3,4	CONSTANT	-3.460000E-01	-3.460000E-01	-3.460000E-01	-3.460000E-01	NONE	WPO40434	Y	N/A
2666	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO30640	Y	N/A
2666	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO30994	Y	N/A
2666	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35271	Y	N/A
2666	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35333	-Y	N/A
2666	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35597	Y	N/A
2666	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40514	Y	N/A
2667	3,4	CONSTANT	5.600000E-01	5.600000E-01	5.600000E-01	5.600000E-01	Pa	WPO30640	Y	N/A
2667	3,4	CONSTANT	5.600000E-01	5.600000E-01	5.600000E-01	5.600000E-01	Pa	WPO30994	Y	N/A
2667	3,4	CONSTANT	5.600000E-01	5.600000E-01	5.600000E-01	5.600000E-01	Pa	WPO35597	Y	N/A
2667	3,4	CONSTANT	5.600000E-01	5.600000E-01	5.600000E-01	5.600000E-01	Pa	WPO40434	Y	N/A
2668	3,4	CONSTANT	-3.460000E-01	-3.460000E-01	-3.460000E-01	-3.460000E-01	NONE	WPO30640	Y	N/A
2668	3,4	CONSTANT	-3.460000E-01	-3.460000E-01	-3.460000E-01	-3.460000E-01	NONE	WPO30994	Y	N/A
2668	3,4	CONSTANT	-3.460000E-01	-3.460000E-01	-3.460000E-01	-3.460000E-01	NONE	WPO35597	Y	N/A
2668	3,4	CONSTANT	-3.460000E-01	-3.460000E-01	-3.460000E-01	-3.460000E-01	NONE	WPO40434	Y	N/A
2671	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO30640	Y	N/A

CCA-Parameter Listing

[illegible]

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
2671	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO30994	Y	N/A
2671	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35271	Y	N/A
2671	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35333	Y	N/A
2671	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35597	Y	N/A
2671	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40514	Y	N/A
2672	3,4	CONSTANT	5.600000E-01	5.600000E-01	5.600000E-01	5.600000E-01	Pa	WPO30640	Y	N/A
2672	3,4	CONSTANT	5.600000E-01	5.600000E-01	5.600000E-01	5.600000E-01	Pa	WPO30994	Y	N/A
2672	3,4	CONSTANT	5.600000E-01	5.600000E-01	5.600000E-01	5.600000E-01	Pa	WPO35597	Y	N/A
2672	3,4	CONSTANT	5.600000E-01	5.600000E-01	5.600000E-01	5.600000E-01	Pa	WPO40434	Y	N/A
2673	3,4	CONSTANT	-3.460000E-01	-3.460000E-01	-3.460000E-01	-3.460000E-01	NONE	WPO30640	Y	N/A
2673	3,4	CONSTANT	-3.460000E-01	-3.460000E-01	-3.460000E-01	-3.460000E-01	NONE	WPO30994	Y	N/A
2673	3,4	CONSTANT	-3.460000E-01	-3.460000E-01	-3.460000E-01	-3.460000E-01	NONE	WPO35597	Y	N/A
2673	3,4	CONSTANT	-3.460000E-01	-3.460000E-01	-3.460000E-01	-3.460000E-01	NONE	WPO40434	Y	N/A
2676	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO30640	Y	N/A
2676	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO30994	Y	N/A
2676	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35271	Y	N/A
2676	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35333	Y	N/A
2676	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35597	Y	N/A
2676	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40514	Y	N/A
2677	3,4	CONSTANT	5.600000E-01	5.600000E-01	5.600000E-01	5.600000E-01	Pa	WPO30640	Y	N/A
2677	3,4	CONSTANT	5.600000E-01	5.600000E-01	5.600000E-01	5.600000E-01	Pa	WPO30994	Y	N/A
2677	3,4	CONSTANT	5.600000E-01	5.600000E-01	5.600000E-01	5.600000E-01	Pa	WPO35597	Y	N/A
2677	3,4	CONSTANT	5.600000E-01	5.600000E-01	5.600000E-01	5.600000E-01	Pa	WPO40434	Y	N/A
2678	3,4	CONSTANT	-3.460000E-01	-3.460000E-01	-3.460000E-01	-3.460000E-01	NONE	WPO30640	Y	N/A
2678	3,4	CONSTANT	-3.460000E-01	-3.460000E-01	-3.460000E-01	-3.460000E-01	NONE	WPO30994	-Y	N/A
2678	3,4	CONSTANT	-3.460000E-01	-3.460000E-01	-3.460000E-01	-3.460000E-01	NONE	WPO35597	Y	N/A
2678	3,4	CONSTANT	-3.460000E-01	-3.460000E-01	-3.460000E-01	-3.460000E-01	NONE	WPO40434	Y	N/A
2681	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO30640	Y	N/A
2681	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO30994	Y	N/A
2681	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35271	Y	N/A
2681	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35333	Y	N/A
2681	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35597	Y	N/A
2681	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40514	Y	N/A
2682	3,4	CONSTANT	5.600000E-01	5.600000E-01	5.600000E-01	5.600000E-01	Pa	WPO30640	Y	N/A
2682	3,4	CONSTANT	5.600000E-01	5.600000E-01	5.600000E-01	5.600000E-01	Pa	WPO30994	Y	N/A
2682	3,4	CONSTANT	5.600000E-01	5.600000E-01	5.600000E-01	5.600000E-01	Pa	WPO35597	Y	N/A

CCA Parameter-Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 464 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y	100	2682	CONC_T1	Concrete column:0 to 400 years	PCT_A	Threshold Pressure Linear Parameter	32561	14-Feb-96	Y	1
Y	100	2683	CONC_T1	Concrete column:0 to 400 years	PCT_EXP	Threshold pressure exponential parameter	32563	14-Feb-96	Y	1
Y	100	2683	CONC_T1	Concrete column:0 to 400 years	PCT_EXP	Threshold pressure exponential parameter	32563	14-Feb-96	Y	1
Y	100	2683	CONC_T1	Concrete column:0 to 400 years	PCT_EXP	Threshold pressure exponential parameter	32563	14-Feb-96	Y	1
Y	100	2683	CONC_T1	Concrete column:0 to 400 years	PCT_EXP	Threshold pressure exponential parameter	32563	14-Feb-96	Y	1
Y		2686	CONC_T2	Concrete column:400 to 10K years	KPT	Flag for Permeability Determined Threshold	32640	20-Feb-96	Y	4B
Y		2686	CONC_T2	Concrete column:400 to 10K years	KPT	Flag for Permeability Determined Threshold	32640	20-Feb-96	Y	4B
Y		2686	CONC_T2	Concrete column:400 to 10K years	KPT	Flag for Permeability Determined Threshold	32640	20-Feb-96	Y	4B
Y		2686	CONC_T2	Concrete column:400 to 10K years	KPT	Flag for Permeability Determined Threshold	32640	20-Feb-96	Y	4B
Y		2686	CONC_T2	Concrete column:400 to 10K years	KPT	Flag for Permeability Determined Threshold	32640	20-Feb-96	Y	4B
Y		2686	CONC_T2	Concrete column:400 to 10K years	KPT	Flag for Permeability Determined Threshold	32640	20-Feb-96	Y	4B
Y	100	2687	CONC_T2	Concrete column:400 to 10K years	PCT_A	Threshold Pressure Linear Parameter	32652	14-Feb-96	Y	1
Y	100	2687	CONC_T2	Concrete column:400 to 10K years	PCT_A	Threshold Pressure Linear Parameter	32652	14-Feb-96	Y	1
Y	100	2687	CONC_T2	Concrete column:400 to 10K years	PCT_A	Threshold Pressure Linear Parameter	32652	14-Feb-96	Y	1
Y	100	2687	CONC_T2	Concrete column:400 to 10K years	PCT_A	Threshold Pressure Linear Parameter	32652	14-Feb-96	Y	1
Y	100	2688	CONC_T2	Concrete column:400 to 10K years	PCT_EXP	Threshold pressure exponential parameter	32656	14-Feb-96	Y	1
Y	100	2688	CONC_T2	Concrete column:400 to 10K years	PCT_EXP	Threshold pressure exponential parameter	32656	14-Feb-96	Y	1
Y	100	2688	CONC_T2	Concrete column:400 to 10K years	PCT_EXP	Threshold pressure exponential parameter	32656	14-Feb-96	Y	1
Y	100	2688	CONC_T2	Concrete column:400 to 10K years	PCT_EXP	Threshold pressure exponential parameter	32656	14-Feb-96	Y	1
Y		2691	CULEBRA	Culebra member of the Rustler formation	KPT	Flag for Permeability Determined Threshold	32555	20-Feb-96	Y	4B
Y		2691	CULEBRA	Culebra member of the Rustler formation	KPT	Flag for Permeability Determined Threshold	32555	20-Feb-96	Y	4B
Y		2691	CULEBRA	Culebra member of the Rustler formation	KPT	Flag for Permeability Determined Threshold	32555	20-Feb-96	Y	4B
Y		2691	CULEBRA	Culebra member of the Rustler formation	KPT	Flag for Permeability Determined Threshold	32555	20-Feb-96	Y	4B
Y		2692	CULEBRA	Culebra member of the Rustler formation	PCT_A	Threshold Pressure Linear Parameter	32752	20-Feb-96	Y	4B
Y		2692	CULEBRA	Culebra member of the Rustler formation	PCT_A	Threshold Pressure Linear Parameter	32752	20-Feb-96	Y	4B
Y		2692	CULEBRA	Culebra member of the Rustler formation	PCT_A	Threshold Pressure Linear Parameter	32752	20-Feb-96	Y	4B

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
2682	3,4	CONSTANT	5.600000E-01	5.600000E-01	5.600000E-01	5.600000E-01	Pa	WPO40434	Y	N/A
2683	3,4	CONSTANT	-3.460000E-01	-3.460000E-01	-3.460000E-01	-3.460000E-01	NONE	WPO30640	Y	N/A
2683	3,4	CONSTANT	-3.460000E-01	-3.460000E-01	-3.460000E-01	-3.460000E-01	NONE	WPO30994	Y	N/A
2683	3,4	CONSTANT	-3.460000E-01	-3.460000E-01	-3.460000E-01	-3.460000E-01	NONE	WPO35597	Y	N/A
2683	3,4	CONSTANT	-3.460000E-01	-3.460000E-01	-3.460000E-01	-3.460000E-01	NONE	WPO40434	Y	N/A
2686	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO30640	Y	N/A
2686	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO30994	Y	N/A
2686	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35271	Y	N/A
2686	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35333	Y	N/A
2686	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35597	Y	N/A
2686	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40514	Y	N/A
2687	3,4	CONSTANT	5.600000E-01	5.600000E-01	5.600000E-01	5.600000E-01	Pa	WPO30640	Y	N/A
2687	3,4	CONSTANT	5.600000E-01	5.600000E-01	5.600000E-01	5.600000E-01	Pa	WPO30994	Y	N/A
2687	3,4	CONSTANT	5.600000E-01	5.600000E-01	5.600000E-01	5.600000E-01	Pa	WPO35597	Y	N/A
2687	3,4	CONSTANT	5.600000E-01	5.600000E-01	5.600000E-01	5.600000E-01	Pa	WPO40434	Y	N/A
2688	3,4	CONSTANT	-3.460000E-01	-3.460000E-01	-3.460000E-01	-3.460000E-01	NONE	WPO30640	Y	N/A
2688	3,4	CONSTANT	-3.460000E-01	-3.460000E-01	-3.460000E-01	-3.460000E-01	NONE	WPO30994	Y	N/A
2688	3,4	CONSTANT	-3.460000E-01	-3.460000E-01	-3.460000E-01	-3.460000E-01	NONE	WPO35597	Y	N/A
2688	3,4	CONSTANT	-3.460000E-01	-3.460000E-01	-3.460000E-01	-3.460000E-01	NONE	WPO40434	Y	N/A
2691	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35271	Y	N/A
2691	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35333	Y	N/A
2691	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35597	Y	N/A
2691	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40514	Y	N/A
2692	1,3,4	CONSTANT	2.600000E-01	2.600000E-01	2.600000E-01	2.600000E-01	Pa	WPO31041	Y	N/A
2692	1,3,4	CONSTANT	2.600000E-01	2.600000E-01	2.600000E-01	2.600000E-01	Pa	WPO35597	Y	N/A
2692	1,3,4	CONSTANT	2.600000E-01	2.600000E-01	2.600000E-01	2.600000E-01	Pa	WPO40514	Y	N/A

CCA Parameter-Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 464 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		2693	CULEBRA	Culebra member of the Rustler formation	PCT_EXP	Threshold pressure exponential parameter	32753	20-Feb-96	Y	4B
Y		2693	CULEBRA	Culebra member of the Rustler formation	PCT_EXP	Threshold pressure exponential parameter	32753	20-Feb-96	Y	4B
Y		2693	CULEBRA	Culebra member of the Rustler formation	PCT_EXP	Threshold pressure exponential parameter	32753	20-Feb-96	Y	4B
Y		2696	DEWYLAKE	Dewey Lake Red Beds	KPT	Flag for Permeability Determined Threshold	32703	20-Feb-96	Y	4B
Y		2696	DEWYLAKE	Dewey Lake Red Beds	KPT	Flag for Permeability Determined Threshold	32703	20-Feb-96	Y	4B
Y		2696	DEWYLAKE	Dewey Lake Red Beds	KPT	Flag for Permeability Determined Threshold	32703	20-Feb-96	Y	4B
Y		2696	DEWYLAKE	Dewey Lake Red Beds	KPT	Flag for Permeability Determined Threshold	32703	20-Feb-96	Y	4B
Y	100	2697	DEWYLAKE	Dewey Lake Red Beds	PCT_A	Threshold Pressure Linear Parameter	32725	20-Feb-96	Y	4B
Y	100	2697	DEWYLAKE	Dewey Lake Red Beds	PCT_A	Threshold Pressure Linear Parameter	32725	20-Feb-96	Y	4B
Y	100	2697	DEWYLAKE	Dewey Lake Red Beds	PCT_A	Threshold Pressure Linear Parameter	32725	20-Feb-96	Y	4B
Y	100	2697	DEWYLAKE	Dewey Lake Red Beds	PCT_A	Threshold Pressure Linear Parameter	32725	20-Feb-96	Y	4B
Y	100	2698	DEWYLAKE	Dewey Lake Red Beds	PCT_EXP	Threshold pressure exponential parameter	32727	20-Feb-96	Y	4B
Y	100	2698	DEWYLAKE	Dewey Lake Red Beds	PCT_EXP	Threshold pressure exponential parameter	32727	20-Feb-96	Y	4B
Y	100	2698	DEWYLAKE	Dewey Lake Red Beds	PCT_EXP	Threshold pressure exponential parameter	32727	20-Feb-96	Y	4B
Y	100	2698	DEWYLAKE	Dewey Lake Red Beds	PCT_EXP	Threshold pressure exponential parameter	32727	20-Feb-96	Y	4B
Y		2701	DRZ_0	Disturbed rock zone; time period -5 to 0 years	KPT	Flag for Permeability Determined Threshold	32801	20-Feb-96	Y	4B
Y		2701	DRZ_0	Disturbed rock zone; time period -5 to 0 years	KPT	Flag for Permeability Determined Threshold	32801	20-Feb-96	Y	4B
Y		2701	DRZ_0	Disturbed rock zone; time period -5 to 0 years	KPT	Flag for Permeability Determined Threshold	32801	20-Feb-96	Y	4B
Y		2701	DRZ_0	Disturbed rock zone; time period -5 to 0 years	KPT	Flag for Permeability Determined Threshold	32801	20-Feb-96	Y	4B
Y		2702	DRZ_0	Disturbed rock zone; time period -5 to 0 years	PCT_A	Threshold Pressure Linear Parameter	32832	14-Nov-95	Y	4B
Y		2702	DRZ_0	Disturbed rock zone; time period -5 to 0 years	PCT_A	Threshold Pressure Linear Parameter	32832	14-Nov-95	Y	4B
Y		2703	DRZ_0	Disturbed rock zone; time period -5 to 0 years	PCT_EXP	Threshold pressure exponential parameter	32833	14-Nov-95	Y	4B
Y		2703	DRZ_0	Disturbed rock zone; time period -5 to 0 years	PCT_EXP	Threshold pressure exponential parameter	32833	14-Nov-95	Y	4B
Y		2706	EARTH	Earthen Fill	KPT	Flag for Permeability Determined Threshold	32919	20-Feb-96	Y	4B
Y		2706	EARTH	Earthen Fill	KPT	Flag for Permeability Determined Threshold	32919	20-Feb-96	Y	4B
Y		2706	EARTH	Earthen Fill	KPT	Flag for Permeability Determined Threshold	32919	20-Feb-96	Y	4B
Y		2706	EARTH	Earthen Fill	KPT	Flag for Permeability Determined Threshold	32919	20-Feb-96	Y	4B
Y		2706	EARTH	Earthen Fill	KPT	Flag for Permeability Determined Threshold	32919	20-Feb-96	Y	4B
Y		2706	EARTH	Earthen Fill	KPT	Flag for Permeability Determined Threshold	32919	20-Feb-96	Y	4B
Y	100	2707	EARTH	Earthen Fill	PCT_A	Threshold Pressure Linear Parameter	32920	14-Feb-96	Y	1
Y	100	2707	EARTH	Earthen Fill	PCT_A	Threshold Pressure Linear Parameter	32920	14-Feb-96	Y	1

- CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
2693	1,3,4	CONSTANT	-3.480000E-01	-3.480000E-01	-3.480000E-01	-3.480000E-01	NONE	WPO31041	Y	N/A
2693	1,3,4	CONSTANT	-3.480000E-01	-3.480000E-01	-3.480000E-01	-3.480000E-01	NONE	WPO35597	Y	N/A
2693	1,3,4	CONSTANT	-3.480000E-01	-3.480000E-01	-3.480000E-01	-3.480000E-01	NONE	WPO40514	Y	N/A
2696	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35271	Y	N/A
2696	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35333	Y	N/A
2696	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35597	Y	N/A
2696	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40514	Y	N/A
2697	1,3,4	CONSTANT	2.600000E-01	2.600000E-01	2.600000E-01	2.600000E-01	Pa	WPO31041	Y	N/A
2697	1,3,4	CONSTANT	2.600000E-01	2.600000E-01	2.600000E-01	2.600000E-01	Pa	WPO35597	Y	N/A
2697	1,3,4	CONSTANT	2.600000E-01	2.600000E-01	2.600000E-01	2.600000E-01	Pa	WPO40434	Y	N/A
2697	1,3,4	CONSTANT	2.600000E-01	2.600000E-01	2.600000E-01	2.600000E-01	Pa	WPO40514	Y	N/A
2698	1,3,4	CONSTANT	-3.480000E-01	-3.480000E-01	-3.480000E-01	-3.480000E-01	NONE	WPO31041	Y	N/A
2698	1,3,4	CONSTANT	-3.480000E-01	-3.480000E-01	-3.480000E-01	-3.480000E-01	NONE	WPO35597	Y	N/A
2698	1,3,4	CONSTANT	-3.480000E-01	-3.480000E-01	-3.480000E-01	-3.480000E-01	NONE	WPO40434	Y	N/A
2698	1,3,4	CONSTANT	-3.480000E-01	-3.480000E-01	-3.480000E-01	-3.480000E-01	NONE	WPO40514	Y	N/A
2701	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35271	Y	N/A
2701	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35333	Y	N/A
2701	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35597	Y	N/A
2701	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40514	Y	N/A
2702	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Pa	WPO38568	Y	N/A
2702	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Pa	WPO40514	Y	N/A
2703	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO38568	Y	N/A
2703	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40514	Y	N/A
2706	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO30640	Y	N/A
2706	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO30994	Y	N/A
2706	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35271	Y	N/A
2706	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35333	Y	N/A
2706	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35597	Y	N/A
2706	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40514	Y	N/A
2707	3,4	CONSTANT	5.600000E-01	5.600000E-01	5.600000E-01	5.600000E-01	Pa	WPO30640	Y	N/A
2707	3,4	CONSTANT	5.600000E-01	5.600000E-01	5.600000E-01	5.600000E-01	Pa	WPO30994	Y	N/A

CCA Parameter-Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 464 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y	100	2707	EARTH	Earthen Fill	PCT_A	Threshold Pressure Linear Parameter	32920	14-Feb-96	Y	1
Y	100	2707	EARTH	Earthen Fill	PCT_A	Threshold Pressure Linear Parameter	32920	14-Feb-96	Y	1
Y	100	2708	EARTH	Earthen Fill	PCT_EXP	Threshold pressure exponential parameter	32921	22-Feb-96	Y	1
Y	100	2708	EARTH	Earthen Fill	PCT_EXP	Threshold pressure exponential parameter	32921	22-Feb-96	Y	1
Y	100	2708	EARTH	Earthen Fill	PCT_EXP	Threshold pressure exponential parameter	32921	22-Feb-96	Y	1
Y	100	2708	EARTH	Earthen Fill	PCT_EXP	Threshold pressure exponential parameter	32921	22-Feb-96	Y	1
Y		2711	EXP_AREA	Experimental Area	KPT	Flag for Permeability Determined Threshold	33009	16-Feb-96	Y	4B
Y		2711	EXP_AREA	Experimental Area	KPT	Flag for Permeability Determined Threshold	33009	16-Feb-96	Y	4B
Y		2711	EXP_AREA	Experimental Area	KPT	Flag for Permeability Determined Threshold	33009	16-Feb-96	Y	4B
Y		2711	EXP_AREA	Experimental Area	KPT	Flag for Permeability Determined Threshold	33009	16-Feb-96	Y	4B
Y		2712	EXP_AREA	Experimental Area	PCT_A	Threshold Pressure Linear Parameter	33037	14-Nov-95	Y	4B
Y		2712	EXP_AREA	Experimental Area	PCT_A	Threshold Pressure Linear Parameter	33037	14-Nov-95	Y	4B
Y		2713	EXP_AREA	Experimental Area	PCT_EXP	Threshold pressure exponential parameter	33039	14-Nov-95	Y	4B
Y		2713	EXP_AREA	Experimental Area	PCT_EXP	Threshold pressure exponential parameter	33039	14-Nov-95	Y	4B
Y		2715	FORTYNIN	Forty Niner Member	KPT	Flag for Permeability Determined Threshold	32982	20-Feb-96	Y	4B
Y		2715	FORTYNIN	Forty Niner Member	KPT	Flag for Permeability Determined Threshold	32982	20-Feb-96	Y	4B
Y		2715	FORTYNIN	Forty Niner Member	KPT	Flag for Permeability Determined Threshold	32982	20-Feb-96	Y	4B
Y		2715	FORTYNIN	Forty Niner Member	KPT	Flag for Permeability Determined Threshold	32982	20-Feb-96	Y	4B
Y		2716	FORTYNIN	Forty Niner Member	PCT_A	Threshold Pressure Linear Parameter	32984	14-Nov-95	Y	4B
Y		2716	FORTYNIN	Forty Niner Member	PCT_A	Threshold Pressure Linear Parameter	32984	14-Nov-95	Y	4B
Y		2717	FORTYNIN	Forty Niner Member	PCT_EXP	Threshold pressure exponential parameter	32986	14-Nov-95	Y	4B
Y		2717	FORTYNIN	Forty Niner Member	PCT_EXP	Threshold pressure exponential parameter	32986	14-Nov-95	Y	4B
Y		2718	FORTYNIN	Forty Niner Member	PO_MIN	Minimum brine pressure for capillary model KPC=3	32997	21-Feb-96	Y	4B
Y		2718	FORTYNIN	Forty Niner Member	PO_MIN	Minimum brine pressure for capillary model KPC=3	32997	21-Feb-96	Y	4B
Y		2718	FORTYNIN	Forty Niner Member	PO_MIN	Minimum brine pressure for capillary model KPC=3	32997	21-Feb-96	-Y	4B
Y		2720	IMPERM_Z	Impermeable Zones	KPT	Flag for Permeability Determined Threshold	33119	20-Feb-96	Y	4B
Y		2720	IMPERM_Z	Impermeable Zones	KPT	Flag for Permeability Determined Threshold	33119	20-Feb-96	Y	4B
Y		2720	IMPERM_Z	Impermeable Zones	KPT	Flag for Permeability Determined Threshold	33119	20-Feb-96	Y	4B
Y		2720	IMPERM_Z	Impermeable Zones	KPT	Flag for Permeability Determined Threshold	33119	20-Feb-96	Y	4B
Y		2721	IMPERM_Z	Impermeable Zones	PCT_A	Threshold Pressure Linear Parameter	33172	14-Nov-95	Y	4B
Y		2721	IMPERM_Z	Impermeable Zones	PCT_A	Threshold Pressure Linear Parameter	33172	14-Nov-95	Y	4B
Y		2722	IMPERM_Z	Impermeable Zones	PCT_EXP	Threshold pressure exponential parameter	33174	14-Nov-95	Y	4B
Y		2722	IMPERM_Z	Impermeable Zones	PCT_EXP	Threshold pressure exponential parameter	33174	14-Nov-95	Y	4B
Y		2725	MAGENTA	Magenta Member	KPT	Flag for Permeability Determined Threshold	33254	20-Feb-96	Y	4B
Y		2725	MAGENTA	Magenta Member	KPT	Flag for Permeability Determined Threshold	33254	20-Feb-96	Y	4B
Y		2725	MAGENTA	Magenta Member	KPT	Flag for Permeability Determined Threshold	33254	20-Feb-96	Y	4B

CCA Parameter-Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to quality existing data? (footnote 3)
2707	3,4	CONSTANT	5.600000E-01	5.600000E-01	5.600000E-01	5.600000E-01	Pa	WPO35597	Y	N/A
2707	3,4	CONSTANT	5.600000E-01	5.600000E-01	5.600000E-01	5.600000E-01	Pa	WPO40434	Y	N/A
2708	3,4	CONSTANT	-3.460000E-01	-3.460000E-01	-3.460000E-01	-3.460000E-01	NONE	WPO30640	Y	N/A
2708	3,4	CONSTANT	-3.460000E-01	-3.460000E-01	-3.460000E-01	-3.460000E-01	NONE	WPO30994	Y	N/A
2708	3,4	CONSTANT	-3.460000E-01	-3.460000E-01	-3.460000E-01	-3.460000E-01	NONE	WPO35597	Y	N/A
2708	3,4	CONSTANT	-3.460000E-01	-3.460000E-01	-3.460000E-01	-3.460000E-01	NONE	WPO40434	Y	N/A
2711	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35271	Y	N/A
2711	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35333	Y	N/A
2711	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35597	Y	N/A
2711	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40514	Y	N/A
2712	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Pa	WPO38568	Y	N/A
2712	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Pa	WPO40514	Y	N/A
2713	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO38568	Y	N/A
2713	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40514	Y	N/A
2715	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35271	Y	N/A
2715	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35333	Y	N/A
2715	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35597	Y	N/A
2715	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40514	Y	N/A
2716	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Pa	WPO38568	Y	N/A
2716	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Pa	WPO40514	Y	N/A
2717	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO38568	Y	N/A
2717	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40514	Y	N/A
2718	1,3	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO35597	Y	N/A
2718	1,3	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO36051	Y	N/A
2718	1,3	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO40514	Y	N/A
2720	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35271	Y	N/A
2720	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35333	Y	N/A
2720	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35597	Y	N/A
2720	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40514	Y	N/A
2721	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Pa	WPO38568	Y	N/A
2721	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Pa	WPO40514	Y	N/A
2722	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO38568	Y	N/A
2722	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40514	Y	N/A
2725	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35271	Y	N/A
2725	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35333	Y	N/A
2725	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35597	Y	N/A

CCA Parameter Listing-

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 484 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		2725	MAGENTA	Magenta Member	KPT	Flag for Permeability Determined Threshold	33254	20-Feb-96	Y	4B
Y		2726	MAGENTA	Magenta Member	PCT_A	Threshold Pressure Linear Parameter	33257	20-Feb-96	Y	4B
Y		2726	MAGENTA	Magenta Member	PCT_A	Threshold Pressure Linear Parameter	33257	20-Feb-96	Y	4B
Y		2726	MAGENTA	Magenta Member	PCT_A	Threshold Pressure Linear Parameter	33257	20-Feb-96	Y	4B
Y		2727	MAGENTA	Magenta Member	PCT_EXP	Threshold pressure exponential parameter	33261	20-Feb-96	Y	4B
Y		2727	MAGENTA	Magenta Member	PCT_EXP	Threshold pressure exponential parameter	33261	20-Feb-96	Y	4B
Y		2727	MAGENTA	Magenta Member	PCT_EXP	Threshold pressure exponential parameter	33261	20-Feb-96	Y	4B
Y		2728	MAGENTA	Magenta Member	PO_MIN	Minimum brine pressure for capillary model KPC=3	32536	21-Feb-96	Y	4B
Y		2728	MAGENTA	Magenta Member	PO_MIN	Minimum brine pressure for capillary model KPC=3	32536	21-Feb-96	Y	4B
Y		2728	MAGENTA	Magenta Member	PO_MIN	Minimum brine pressure for capillary model KPC=3	32536	21-Feb-96	Y	4B
Y		2731	PAN_SEAL	Panel Seal	KPT	Flag for Permeability Determined Threshold	33089	20-Feb-96	Y	4B
Y		2731	PAN_SEAL	Panel Seal	KPT	Flag for Permeability Determined Threshold	33089	20-Feb-96	Y	4B
Y		2731	PAN_SEAL	Panel Seal	KPT	Flag for Permeability Determined Threshold	33089	20-Feb-96	Y	4B
Y		2731	PAN_SEAL	Panel Seal	KPT	Flag for Permeability Determined Threshold	33089	20-Feb-96	Y	4B
Y	100.00 hw	2732	PAN_SEAL	Panel Seal	PCT_A	Threshold Pressure Linear Parameter	33107A	20-Feb-96	Y	4B
Y	100.00 hw	2732	PAN_SEAL	Panel Seal	PCT_A	Threshold Pressure Linear Parameter	33107A	20-Feb-96	Y	4B
Y	100.00 hw	2732	PAN_SEAL	Panel Seal	PCT_A	Threshold Pressure Linear Parameter	33107A	20-Feb-96	Y	4B
Y	100.00 hw	2733	PAN_SEAL	Panel Seal	PCT_EXP	Threshold pressure exponential parameter	33108	20-Feb-96	Y	4B
Y	100.00 hw	2733	PAN_SEAL	Panel Seal	PCT_EXP	Threshold pressure exponential parameter	33108	20-Feb-96	Y	4B
Y	100.00 hw	2733	PAN_SEAL	Panel Seal	PCT_EXP	Threshold pressure exponential parameter	33108	20-Feb-96	Y	4B
Y		2734	PAN_SEAL	Panel Seal	SAT_IBRN	Initial Brine Saturation	33134A	28-Feb-96	Y	4B
Y		2734	PAN_SEAL	Panel Seal	SAT_IBRN	Initial Brine Saturation	33134A	28-Feb-96	Y	4B
Y		2736	REPOSIT	Repository regions outside of Panel region	KPT	Flag for Permeability Determined Threshold	33238	20-Feb-96	Y	4B
Y		2736	REPOSIT	Repository regions outside of Panel region	KPT	Flag for Permeability Determined Threshold	33238	20-Feb-96	Y	4B
Y		2736	REPOSIT	Repository regions outside of Panel region	KPT	Flag for Permeability Determined Threshold	33238	20-Feb-96	Y	4B
Y		2736	REPOSIT	Repository regions outside of Panel region	KPT	Flag for Permeability Determined Threshold	33238	20-Feb-96	Y	4B
Y		2737	REPOSIT	Repository regions outside of Panel region	PCT_A	Threshold Pressure Linear Parameter	33240	08-Feb-96	Y	4B
Y		2737	REPOSIT	Repository regions outside of Panel region	PCT_A	Threshold Pressure Linear Parameter	33240	08-Feb-96	Y	4B
Y		2737	REPOSIT	Repository regions outside of Panel region	PCT_A	Threshold Pressure Linear Parameter	33240	08-Feb-96	Y	4B
Y		2737	REPOSIT	Repository regions outside of Panel region	PCT_A	Threshold Pressure Linear Parameter	33240	08-Feb-96	Y	4B
Y		2738	REPOSIT	Repository regions outside of Panel region	PCT_EXP	Threshold pressure exponential parameter	33242	08-Feb-96	Y	4B
Y		2738	REPOSIT	Repository regions outside of Panel region	PCT_EXP	Threshold pressure exponential parameter	33242	08-Feb-96	Y	4B

CCA-Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
2725	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40514	Y	N/A
2726	1,3,4	CONSTANT	2.600000E-01	2.600000E-01	2.600000E-01	2.600000E-01	Pa	WPO31041	Y	N/A
2726	1,3,4	CONSTANT	2.600000E-01	2.600000E-01	2.600000E-01	2.600000E-01	Pa	WPO35597	Y	N/A
2726	1,3,4	CONSTANT	2.600000E-01	2.600000E-01	2.600000E-01	2.600000E-01	Pa	WPO40514	Y	N/A
2727	1,3,4	CONSTANT	-3.480000E-01	-3.480000E-01	-3.480000E-01	-3.480000E-01	NONE	WPO31041	Y	N/A
2727	1,3,4	CONSTANT	-3.480000E-01	-3.480000E-01	-3.480000E-01	-3.480000E-01	NONE	WPO35597	Y	N/A
2727	1,3,4	CONSTANT	-3.480000E-01	-3.480000E-01	-3.480000E-01	-3.480000E-01	NONE	WPO40514	Y	N/A
2728	1,3	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO35597	Y	N/A
2728	1,3	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO36051	Y	N/A
2728	1,3	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO40514	Y	N/A
2731	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35271	Y	N/A
2731	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35333	Y	N/A
2731	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35597	Y	N/A
2731	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40514	Y	N/A
2732	1,3	CONSTANT	5.600000E-01	5.600000E-01	5.600000E-01	5.600000E-01	Pa	VAUGHN: WORKSHEET-4	Y	N/A
2732	1,3	CONSTANT	5.600000E-01	5.600000E-01	5.600000E-01	5.600000E-01	Pa	WPO35597	Y	N/A
2732	1,3	CONSTANT	5.600000E-01	5.600000E-01	5.600000E-01	5.600000E-01	Pa	WPO40514	Y	N/A
2733	1,3	CONSTANT	-3.460000E-01	-3.460000E-01	-3.460000E-01	-3.460000E-01	NONE	VAUGHN: WORKSHEET-4	Y	N/A
2733	1,3	CONSTANT	-3.460000E-01	-3.460000E-01	-3.460000E-01	-3.460000E-01	NONE	WPO35597	Y	N/A
2733	1,3	CONSTANT	-3.460000E-01	-3.460000E-01	-3.460000E-01	-3.460000E-01	NONE	WPO40514	Y	N/A
2734	1,3	CONSTANT	9.999990E-01	9.999990E-01	9.999990E-01	9.999990E-01	NONE	VAUGHN: WORKSHEET-4A	Y	N/A
2734	1,3	CONSTANT	9.999990E-01	9.999990E-01	9.999990E-01	9.999990E-01	NONE	WPO40514	Y	N/A
2736	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35271	Y	N/A
2736	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35333	Y	N/A
2736	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35597	Y	N/A
2736	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40514	Y	N/A
2737	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Pa	WPO35597	Y	N/A
2737	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Pa	WPO38454	Y	N/A
2737	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Pa	WPO40514	Y	N/A
2737	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Pa	WPO42681	Y	N/A
2738	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35597	Y	N/A
2738	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40514	Y	N/A

CCA Parameter Listing -

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 464 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		2738	REPOSIT	Repository regions outside of Panel region	PCT_EXP	Threshold pressure exponential parameter	33242	08-Feb-96	Y	4B
Y		2739	REPOSIT	Repository regions outside of Panel region	PO_MIN	Minimum brine pressure for capillary model KPC=3	33252	21-Feb-96	Y	4B
Y		2739	REPOSIT	Repository regions outside of Panel region	PO_MIN	Minimum brine pressure for capillary model KPC=3	33252	21-Feb-96	Y	4B
Y		2739	REPOSIT	Repository regions outside of Panel region	PO_MIN	Minimum brine pressure for capillary model KPC=3	33252	21-Feb-96	Y	4B
Y		2740	REPOSIT	Repository regions outside of Panel region	SAT_IBRN	Initial Brine Saturation	33277	11-Feb-96	Y	4B
Y		2740	REPOSIT	Repository regions outside of Panel region	SAT_IBRN	Initial Brine Saturation	33277	11-Feb-96	Y	4B
Y		2740	REPOSIT	Repository regions outside of Panel region	SAT_IBRN	Initial Brine Saturation	33277	11-Feb-96	Y	4B
Y		2740	REPOSIT	Repository regions outside of Panel region	SAT_IBRN	Initial Brine Saturation	33277	11-Feb-96	Y	4B
Y		2741	REPOSIT	Repository regions outside of Panel region	SAT_RBRN	Residual Brine Saturation	33283	20-Feb-96	Y	4B
Y		2741	REPOSIT	Repository regions outside of Panel region	SAT_RBRN	Residual Brine Saturation	33283	20-Feb-96	Y	4B
Y		2741	REPOSIT	Repository regions outside of Panel region	SAT_RBRN	Residual Brine Saturation	33283	20-Feb-96	Y	4B
Y		2741	REPOSIT	Repository regions outside of Panel region	SAT_RBRN	Residual Brine Saturation	33283	20-Feb-96	Y	4B
Y		2744	SALT_T1	Shaft salt column compacted:time 0 to 10 years	KPT	Flag for Permeability Determined Threshold	33364	20-Feb-96	Y	4B
Y		2744	SALT_T1	Shaft salt column compacted:time 0 to 10 years	KPT	Flag for Permeability Determined Threshold	33364	20-Feb-96	Y	4B
Y		2744	SALT_T1	Shaft salt column compacted:time 0 to 10 years	KPT	Flag for Permeability Determined Threshold	33364	20-Feb-96	Y	4B
Y		2744	SALT_T1	Shaft salt column compacted:time 0 to 10 years	KPT	Flag for Permeability Determined Threshold	33364	20-Feb-96	Y	4B
Y		2744	SALT_T1	Shaft salt column compacted:time 0 to 10 years	KPT	Flag for Permeability Determined Threshold	33364	20-Feb-96	Y	4B
Y	100	2745	SALT_T1	Shaft salt column compacted:time 0 to 10 years	PCT_A	Threshold Pressure Linear Parameter	33369	13-Feb-96	Y	1
Y	100	2745	SALT_T1	Shaft salt column compacted:time 0 to 10 years	PCT_A	Threshold Pressure Linear Parameter	33369	13-Feb-96	Y	1
Y	100	2745	SALT_T1	Shaft salt column compacted:time 0 to 10 years	PCT_A	Threshold Pressure Linear Parameter	33369	13-Feb-96	Y	1
Y	100	2745	SALT_T1	Shaft salt column compacted:time 0 to 10 years	PCT_A	Threshold Pressure Linear Parameter	33369	13-Feb-96	Y	1
Y	100	2746	SALT_T1	Shaft salt column compacted:time 0 to 10 years	PCT_EXP	Threshold pressure exponential parameter	33370	13-Feb-96	Y	1
Y	100	2746	SALT_T1	Shaft salt column compacted:time 0 to 10 years	PCT_EXP	Threshold pressure exponential parameter	33370	13-Feb-96	Y	1

CCA-Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
2738	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO42681	Y	N/A
2739	3,5	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO35597	Y	N/A
2739	3,5	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO36051	Y	N/A
2739	3,5	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO40514	Y	N/A
2740	1,3,4	CONSTANT	1.500000E-02	1.500000E-02	1.500000E-02	1.500000E-02	NONE	WPO30925	Y	N/A
2740	1,3,4	CONSTANT	1.500000E-02	1.500000E-02	1.500000E-02	1.500000E-02	NONE	WPO35183	Y	N/A
2740	1,3,4	CONSTANT	1.500000E-02	1.500000E-02	1.500000E-02	1.500000E-02	NONE	WPO35597	Y	N/A
2740	1,3,4	CONSTANT	1.500000E-02	1.500000E-02	1.500000E-02	1.500000E-02	NONE	WPO40514	Y	N/A
2741	1,3,4	UNIFORM	2.760000E-01	2.760000E-01	0.000000E+00	5.520000E-01	NONE	MEMO-VAUGHN/TIERNEY-11	Y	N/A
2741	1,3,4	UNIFORM	2.760000E-01	2.760000E-01	0.000000E+00	5.520000E-01	NONE	WPO35268	Y	N/A
2741	1,3,4	UNIFORM	2.760000E-01	2.760000E-01	0.000000E+00	5.520000E-01	NONE	WPO35597	Y	N/A
2741	1,3,4	UNIFORM	2.760000E-01	2.760000E-01	0.000000E+00	5.520000E-01	NONE	WPO40514	Y	N/A
2744	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO30640	Y	N/A
2744	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO30994	Y	N/A
2744	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35271	Y	N/A
2744	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35333	Y	N/A
2744	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35597	Y	N/A
2744	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40514	Y	N/A
2745	3,4	CONSTANT	5.600000E-01	5.600000E-01	5.600000E-01	5.600000E-01	Pa	WPO30640	Y	N/A
2745	3,4	CONSTANT	5.600000E-01	5.600000E-01	5.600000E-01	5.600000E-01	Pa	WPO30994	Y	N/A
2745	3,4	CONSTANT	5.600000E-01	5.600000E-01	5.600000E-01	5.600000E-01	Pa	WPO35597	Y	N/A
2745	3,4	CONSTANT	5.600000E-01	5.600000E-01	5.600000E-01	5.600000E-01	Pa	WPO40434	Y	N/A
2746	3,4	CONSTANT	-3.460000E-01	-3.460000E-01	-3.460000E-01	-3.460000E-01	NONE	WPO30640	Y	N/A
2746	3,4	CONSTANT	-3.460000E-01	-3.460000E-01	-3.460000E-01	-3.460000E-01	NONE	WPO30994	Y	N/A

- CCA-Parameter-Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 464 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y	100	2746	SALT_T1	Shaft salt column compacted:time 0 to 10 years	PCT_EXP	Threshold pressure exponential parameter	33370	13-Feb-96	Y	1
Y	100	2746	SALT_T1	Shaft salt column compacted:time 0 to 10 years	PCT_EXP	Threshold pressure exponential parameter	33370	13-Feb-96	Y	1
Y		2749	SALT_T2	Shaft salt column compacted:time 10 to 25 years	KPT	Flag for Permeability Determined Threshold	33431	20-Feb-96	Y	4B
Y		2749	SALT_T2	Shaft salt column compacted:time 10 to 25 years	KPT	Flag for Permeability Determined Threshold	33431	20-Feb-96	Y	4B
Y		2749	SALT_T2	Shaft salt column compacted:time 10 to 25 years	KPT	Flag for Permeability Determined Threshold	33431	20-Feb-96	Y	4B
Y		2749	SALT_T2	Shaft salt column compacted:time 10 to 25 years	KPT	Flag for Permeability Determined Threshold	33431	20-Feb-96	Y	4B
Y		2749	SALT_T2	Shaft salt column compacted:time 10 to 25 years	KPT	Flag for Permeability Determined Threshold	33431	20-Feb-96	Y	4B
Y		2749	SALT_T2	Shaft salt column compacted:time 10 to 25 years	KPT	Flag for Permeability Determined Threshold	33431	20-Feb-96	Y	4B
Y	100	2750	SALT_T2	Shaft salt column compacted:time 10 to 25 years	PCT_A	Threshold Pressure Linear Parameter	33433	14-Feb-96	Y	1
Y	100	2750	SALT_T2	Shaft salt column compacted:time 10 to 25 years	PCT_A	Threshold Pressure Linear Parameter	33433	14-Feb-96	Y	1
Y	100	2750	SALT_T2	Shaft salt column compacted:time 10 to 25 years	PCT_A	Threshold Pressure Linear Parameter	33433	14-Feb-96	Y	1
Y	100	2750	SALT_T2	Shaft salt column compacted:time 10 to 25 years	PCT_A	Threshold Pressure Linear Parameter	33433	14-Feb-96	Y	1
Y	100	2751	SALT_T2	Shaft salt column compacted:time 10 to 25 years	PCT_EXP	Threshold pressure exponential parameter	33435	14-Feb-96	Y	1
Y	100	2751	SALT_T2	Shaft salt column compacted:time 10 to 25 years	PCT_EXP	Threshold pressure exponential parameter	33435	14-Feb-96	Y	1
Y	100	2751	SALT_T2	Shaft salt column compacted:time 10 to 25 years	PCT_EXP	Threshold pressure exponential parameter	33435	14-Feb-96	Y	1
Y	100	2751	SALT_T2	Shaft salt column compacted:time 10 to 25 years	PCT_EXP	Threshold pressure exponential parameter	33435	14-Feb-96	Y	1
Y		2754	SALT_T3	Shaft salt column compacted:time 25 to 50 years	KPT	Flag for Permeability Determined Threshold	33402	20-Feb-96	Y	4B
Y		2754	SALT_T3	Shaft salt column compacted:time 25 to 50 years	KPT	Flag for Permeability Determined Threshold	33402	20-Feb-96	Y	4B
Y		2754	SALT_T3	Shaft salt column compacted:time 25 to 50 years	KPT	Flag for Permeability Determined Threshold	33402	20-Feb-96	Y	4B
Y		2754	SALT_T3	Shaft salt column compacted:time 25 to 50 years	KPT	Flag for Permeability Determined Threshold	33402	20-Feb-96	Y	4B
Y		2754	SALT_T3	Shaft salt column compacted:time 25 to 50 years	KPT	Flag for Permeability Determined Threshold	33402	20-Feb-96	Y	4B
Y	100	2755	SALT_T3	Shaft salt column compacted:time 25 to 50 years	PCT_A	Threshold Pressure Linear Parameter	33404	14-Feb-96	Y	1
Y	100	2755	SALT_T3	Shaft salt column compacted:time 25 to 50 years	PCT_A	Threshold Pressure Linear Parameter	33404	14-Feb-96	Y	1

CCA-Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
2746	3,4	CONSTANT	-3.460000E-01	-3.460000E-01	-3.460000E-01	-3.460000E-01	NONE	WPO35597	Y	N/A
2746	3,4	CONSTANT	-3.460000E-01	-3.460000E-01	-3.460000E-01	-3.460000E-01	NONE	WPO40434	Y	N/A
2749	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO30640	Y	N/A
2749	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO30994	Y	N/A
2749	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35271	Y	N/A
2749	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35333	Y	N/A
2749	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35597	Y	N/A
2749	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40514	Y	N/A
2750	3,4	CONSTANT	5.600000E-01	5.600000E-01	5.600000E-01	5.600000E-01	Pa	WPO30640	Y	N/A
2750	3,4	CONSTANT	5.600000E-01	5.600000E-01	5.600000E-01	5.600000E-01	Pa	WPO30994	Y	N/A
2750	3,4	CONSTANT	5.600000E-01	5.600000E-01	5.600000E-01	5.600000E-01	Pa	WPO35597	Y	N/A
2750	3,4	CONSTANT	5.600000E-01	5.600000E-01	5.600000E-01	5.600000E-01	Pa	WPO40434	Y	N/A
2751	3,4	CONSTANT	-3.460000E-01	-3.460000E-01	-3.460000E-01	-3.460000E-01	NONE	WPO30640	Y	N/A
2751	3,4	CONSTANT	-3.460000E-01	-3.460000E-01	-3.460000E-01	-3.460000E-01	NONE	WPO30994	Y	N/A
2751	3,4	CONSTANT	-3.460000E-01	-3.460000E-01	-3.460000E-01	-3.460000E-01	NONE	WPO35597	Y	N/A
2751	3,4	CONSTANT	-3.460000E-01	-3.460000E-01	-3.460000E-01	-3.460000E-01	NONE	WPO40434	Y	N/A
2754	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO30640	Y	N/A
2754	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO30994	Y	N/A
2754	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35271	Y	N/A
2754	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35333	Y	N/A
2754	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35597	Y	N/A
2754	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40514	Y	N/A
2755	3,4	CONSTANT	5.600000E-01	5.600000E-01	5.600000E-01	5.600000E-01	Pa	WPO30640	Y	N/A
2755	3,4	CONSTANT	5.600000E-01	5.600000E-01	5.600000E-01	5.600000E-01	Pa	WPO30994	Y	N/A

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 454 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y	100	2755	SALT_T3	Shaft salt column compacted:time 25 to 50 years	PCT_A	Threshold Pressure Linear Parameter	33404	14-Feb-96	Y	1
Y	100	2755	SALT_T3	Shaft salt column compacted:time 25 to 50 years	PCT_A	Threshold Pressure Linear Parameter	33404	14-Feb-96	Y	1
Y	100	2756	SALT_T3	Shaft salt column compacted:time 25 to 50 years	PCT_EXP	Threshold pressure exponential parameter	33406	14-Feb-96	Y	1
Y	100	2756	SALT_T3	Shaft salt column compacted:time 25 to 50 years	PCT_EXP	Threshold pressure exponential parameter	33406	14-Feb-96	Y	1
Y	100	2756	SALT_T3	Shaft salt column compacted:time 25 to 50 years	PCT_EXP	Threshold pressure exponential parameter	33406	14-Feb-96	Y	1
Y	100	2756	SALT_T3	Shaft salt column compacted:time 25 to 50 years	PCT_EXP	Threshold pressure exponential parameter	33406	14-Feb-96	Y	1
Y		2759	SALT_T4	Shaft salt column compacted:time 50 to 100 years	KPT	Flag for Permeability Determined Threshold	33454	20-Feb-96	Y	4B
Y		2759	SALT_T4	Shaft salt column compacted:time 50 to 100 years	KPT	Flag for Permeability Determined Threshold	33454	20-Feb-96	Y	4B
Y		2759	SALT_T4	Shaft salt column compacted:time 50 to 100 years	KPT	Flag for Permeability Determined Threshold	33454	20-Feb-96	Y	4B
Y		2759	SALT_T4	Shaft salt column compacted:time 50 to 100 years	KPT	Flag for Permeability Determined Threshold	33454	20-Feb-96	Y	4B
Y		2759	SALT_T4	Shaft salt column compacted:time 50 to 100 years	KPT	Flag for Permeability Determined Threshold	33454	20-Feb-96	Y	4B
Y	100	2760	SALT_T4	Shaft salt column compacted:time 50 to 100 years	PCT_A	Threshold Pressure Linear Parameter	33456	14-Feb-96	Y	1
Y	100	2760	SALT_T4	Shaft salt column compacted:time 50 to 100 years	PCT_A	Threshold Pressure Linear Parameter	33456	14-Feb-96	Y	1
Y	100	2760	SALT_T4	Shaft salt column compacted:time 50 to 100 years	PCT_A	Threshold Pressure Linear Parameter	33456	14-Feb-96	Y	1
Y	100	2760	SALT_T4	Shaft salt column compacted:time 50 to 100 years	PCT_A	Threshold Pressure Linear Parameter	33456	14-Feb-96	Y	1
Y	100	2761	SALT_T4	Shaft salt column compacted:time 50 to 100 years	PCT_EXP	Threshold pressure exponential parameter	33457	14-Feb-96	Y	1
Y	100	2761	SALT_T4	Shaft salt column compacted:time 50 to 100 years	PCT_EXP	Threshold pressure exponential parameter	33457	14-Feb-96	Y	1
Y	100	2761	SALT_T4	Shaft salt column compacted:time 50 to 100 years	PCT_EXP	Threshold pressure exponential parameter	33457	14-Feb-96	Y	1
Y	100	2761	SALT_T4	Shaft salt column compacted:time 50 to 100 years	PCT_EXP	Threshold pressure exponential parameter	33457	14-Feb-96	Y	1
Y		2764	SALT_T5	Shaft salt column compacted:time 100 to 200 years	KPT	Flag for Permeability Determined Threshold	33573	20-Feb-96	Y	4B
Y		2764	SALT_T5	Shaft salt column compacted:time 100 to 200 years	KPT	Flag for Permeability Determined Threshold	33573	20-Feb-96	Y	4B
Y		2764	SALT_T5	Shaft salt column compacted:time 100 to 200 years	KPT	Flag for Permeability Determined Threshold	33573	20-Feb-96	Y	4B
Y		2764	SALT_T5	Shaft salt column compacted:time 100 to 200 years	KPT	Flag for Permeability Determined Threshold	33573	20-Feb-96	Y	4B

—CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
2755	3,4	CONSTANT	5.600000E-01	5.600000E-01	5.600000E-01	5.600000E-01	Pa	WPO35597	Y	N/A
2755	3,4	CONSTANT	5.600000E-01	5.600000E-01	5.600000E-01	5.600000E-01	Pa	WPO40434	Y	N/A
2756	3,4	CONSTANT	-3.460000E-01	-3.460000E-01	-3.460000E-01	-3.460000E-01	NONE	WPO30640	Y	N/A
2756	3,4	CONSTANT	-3.460000E-01	-3.460000E-01	-3.460000E-01	-3.460000E-01	NONE	WPO30994	Y	N/A
2756	3,4	CONSTANT	-3.460000E-01	-3.460000E-01	-3.460000E-01	-3.460000E-01	NONE	WPO35597	Y	N/A
2756	3,4	CONSTANT	-3.460000E-01	-3.460000E-01	-3.460000E-01	-3.460000E-01	NONE	WPO40434	Y	N/A
2759	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO30640	Y	N/A
2759	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO30994	Y	N/A
2759	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35271	Y	N/A
2759	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35333	Y	N/A
2759	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35597	Y	N/A
2759	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40514	Y	N/A
2760	3,4	CONSTANT	5.600000E-01	5.600000E-01	5.600000E-01	5.600000E-01	Pa	WPO30640	Y	N/A
2760	3,4	CONSTANT	5.600000E-01	5.600000E-01	5.600000E-01	5.600000E-01	Pa	WPO30994	Y	N/A
2760	3,4	CONSTANT	5.600000E-01	5.600000E-01	5.600000E-01	5.600000E-01	Pa	WPO35597	Y	N/A
2760	3,4	CONSTANT	5.600000E-01	5.600000E-01	5.600000E-01	5.600000E-01	Pa	WPO40434	Y	N/A
2761	3,4	CONSTANT	-3.460000E-01	-3.460000E-01	-3.460000E-01	-3.460000E-01	NONE	WPO30640	Y	N/A
2761	3,4	CONSTANT	-3.460000E-01	-3.460000E-01	-3.460000E-01	-3.460000E-01	NONE	WPO30994	Y	N/A
2761	3,4	CONSTANT	-3.460000E-01	-3.460000E-01	-3.460000E-01	-3.460000E-01	NONE	WPO35597	Y	N/A
2761	3,4	CONSTANT	-3.460000E-01	-3.460000E-01	-3.460000E-01	-3.460000E-01	NONE	WPO40434	Y	N/A
2764	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO30640	Y	N/A
2764	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO30994	Y	N/A
2764	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35271	Y	N/A
2764	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35333	Y	N/A

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 484 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		2764	SALT_T5	Shaft salt column compacted:time 100 to 200 years	KPT	Flag for Permeability Determined Threshold	33573	20-Feb-96	Y	4B
Y		2764	SALT_T5	Shaft salt column compacted:time 100 to 200 years	KPT	Flag for Permeability Determined Threshold	33573	20-Feb-96	Y	4B
Y	100	2765	SALT_T5	Shaft salt column compacted:time 100 to 200 years	PCT_A	Threshold Pressure Linear Parameter	33575	14-Feb-96	Y	1
Y	100	2765	SALT_T5	Shaft salt column compacted:time 100 to 200 years	PCT_A	Threshold Pressure Linear Parameter	33575	14-Feb-96	Y	1
Y	100	2765	SALT_T5	Shaft salt column compacted:time 100 to 200 years	PCT_A	Threshold Pressure Linear Parameter	33575	14-Feb-96	Y	1
Y	100	2765	SALT_T5	Shaft salt column compacted:time 100 to 200 years	PCT_A	Threshold Pressure Linear Parameter	33575	14-Feb-96	Y	1
Y	100	2766	SALT_T5	Shaft salt column compacted:time 100 to 200 years	PCT_EXP	Threshold pressure exponential parameter	33577	14-Feb-96	Y	1
Y	100	2766	SALT_T5	Shaft salt column compacted:time 100 to 200 years	PCT_EXP	Threshold pressure exponential parameter	33577	14-Feb-96	Y	1
Y	100	2766	SALT_T5	Shaft salt column compacted:time 100 to 200 years	PCT_EXP	Threshold pressure exponential parameter	33577	14-Feb-96	Y	1
Y	100	2766	SALT_T5	Shaft salt column compacted:time 100 to 200 years	PCT_EXP	Threshold pressure exponential parameter	33577	14-Feb-96	Y	1
Y		2768	SANTAROS	Santa Rosa Formation	KPT	Flag for Permeability Determined Threshold	33510	20-Feb-96	Y	4B
Y		2768	SANTAROS	Santa Rosa Formation	KPT	Flag for Permeability Determined Threshold	33510	20-Feb-96	Y	4B
Y		2768	SANTAROS	Santa Rosa Formation	KPT	Flag for Permeability Determined Threshold	33510	20-Feb-96	Y	4B
Y		2768	SANTAROS	Santa Rosa Formation	KPT	Flag for Permeability Determined Threshold	33510	20-Feb-96	Y	4B
Y		2769	SANTAROS	Santa Rosa Formation	PCT_A	Threshold Pressure Linear Parameter	33528	22-Feb-96	Y	4B
Y		2769	SANTAROS	Santa Rosa Formation	PCT_A	Threshold Pressure Linear Parameter	33528	22-Feb-96	Y	4B
Y		2769	SANTAROS	Santa Rosa Formation	PCT_A	Threshold Pressure Linear Parameter	33528	22-Feb-96	Y	4B
Y		2769	SANTAROS	Santa Rosa Formation	PCT_A	Threshold Pressure Linear Parameter	33528	22-Feb-96	Y	4B
Y		2770	SANTAROS	Santa Rosa Formation	PCT_EXP	Threshold pressure exponential parameter	33529	22-Feb-96	Y	4B
Y		2770	SANTAROS	Santa Rosa Formation	PCT_EXP	Threshold pressure exponential parameter	33529	22-Feb-96	-Y	4B
Y		2770	SANTAROS	Santa Rosa Formation	PCT_EXP	Threshold pressure exponential parameter	33529	22-Feb-96	Y	4B
Y		2770	SANTAROS	Santa Rosa Formation	PCT_EXP	Threshold pressure exponential parameter	33529	22-Feb-96	Y	4B
Y		2773	S_ANH_AB	Salado anhydrite beds A and B, intact and fractured	KPT	Flag for Permeability Determined Threshold	34165	20-Feb-96	Y	4B
Y		2773	S_ANH_AB	Salado anhydrite beds A and B, intact and fractured	KPT	Flag for Permeability Determined Threshold	34165	20-Feb-96	Y	4B
Y		2773	S_ANH_AB	Salado anhydrite beds A and B, intact and fractured	KPT	Flag for Permeability Determined Threshold	34165	20-Feb-96	Y	4B
Y		2773	S_ANH_AB	Salado anhydrite beds A and B, intact and fractured	KPT	Flag for Permeability Determined Threshold	34165	20-Feb-96	Y	4B
Y		2774	S_ANH_AB	Salado anhydrite beds A and B, intact and fractured	PCT_A	Threshold Pressure Linear Parameter	34183	08-Feb-96	Y	4A
Y		2774	S_ANH_AB	Salado anhydrite beds A and B, intact and fractured	PCT_A	Threshold Pressure Linear Parameter	34183	08-Feb-96	Y	4A

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
2764	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35597	Y	N/A
2764	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40514	Y	N/A
2765	3,4	CONSTANT	5.600000E-01	5.600000E-01	5.600000E-01	5.600000E-01	Pa	WPO30640	Y	N/A
2765	3,4	CONSTANT	5.600000E-01	5.600000E-01	5.600000E-01	5.600000E-01	Pa	WPO30994	Y	N/A
2765	3,4	CONSTANT	5.600000E-01	5.600000E-01	5.600000E-01	5.600000E-01	Pa	WPO35597	Y	N/A
2765	3,4	CONSTANT	5.600000E-01	5.600000E-01	5.600000E-01	5.600000E-01	Pa	WPO40434	Y	N/A
2766	3,4	CONSTANT	-3.460000E-01	-3.460000E-01	-3.460000E-01	-3.460000E-01	NONE	WPO30640	Y	N/A
2766	3,4	CONSTANT	-3.460000E-01	-3.460000E-01	-3.460000E-01	-3.460000E-01	NONE	WPO30994	Y	N/A
2766	3,4	CONSTANT	-3.460000E-01	-3.460000E-01	-3.460000E-01	-3.460000E-01	NONE	WPO35597	Y	N/A
2766	3,4	CONSTANT	-3.460000E-01	-3.460000E-01	-3.460000E-01	-3.460000E-01	NONE	WPO40434	Y	N/A
2768	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35271	Y	N/A
2768	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35333	Y	N/A
2768	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35597	Y	N/A
2768	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40514	Y	N/A
2769	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Pa	WPO31041	Y	N/A
2769	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Pa	WPO35597	Y	N/A
2769	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Pa	WPO40514	Y	N/A
2769	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Pa	WS_PALMER	Y	N/A
2770	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO31041	Y	N/A
2770	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35597	-Y	N/A
2770	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40514	Y	N/A
2770	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WS_PALMER	Y	N/A
2773	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35271	Y	N/A
2773	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35333	Y	N/A
2773	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35597	Y	N/A
2773	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40514	Y	N/A
2774	1,3	CONSTANT	2.600000E-01	2.600000E-01	2.600000E-01	2.600000E-01	Pa	WPO30643	Y	N/A
2774	1,3	CONSTANT	2.600000E-01	2.600000E-01	2.600000E-01	2.600000E-01	Pa	WPO35597	Y	N/A

CCA Parameter-Listing -

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 454 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		2774	S_ANH_AB	Salado anhydrite beds A and B, intact and fractured	PCT_A	Threshold Pressure Linear Parameter	34183	08-Feb-96	Y	4A
Y		2775	S_ANH_AB	Salado anhydrite beds A and B, intact and fractured	PCT_EXP	Threshold pressure exponential parameter	34184	08-Feb-96	Y	4A
Y		2775	S_ANH_AB	Salado anhydrite beds A and B, intact and fractured	PCT_EXP	Threshold pressure exponential parameter	34184	08-Feb-96	Y	4A
Y		2778	S_HALITE	Salado halite, intact	KPT	Flag for Permeability Determined Threshold	34233	20-Feb-96	Y	4B
Y		2778	S_HALITE	Salado halite, intact	KPT	Flag for Permeability Determined Threshold	34233	20-Feb-96	Y	4B
Y		2778	S_HALITE	Salado halite, intact	KPT	Flag for Permeability Determined Threshold	34233	20-Feb-96	Y	4B
Y		2778	S_HALITE	Salado halite, intact	KPT	Flag for Permeability Determined Threshold	34233	20-Feb-96	Y	4B
Y	100.00 hw	2779	S_HALITE	Salado halite, intact	PCT_A	Threshold Pressure Linear Parameter	34375	22-Feb-96	Y	4B
Y	100.00 hw	2779	S_HALITE	Salado halite, intact	PCT_A	Threshold Pressure Linear Parameter	34375	22-Feb-96	Y	4B
Y	100.00 hw	2779	S_HALITE	Salado halite, intact	PCT_A	Threshold Pressure Linear Parameter	34375	22-Feb-96	Y	4B
Y	100.00 hw	2779	S_HALITE	Salado halite, intact	PCT_A	Threshold Pressure Linear Parameter	34375	22-Feb-96	Y	4B
Y	50.00 hw	2780	S_HALITE	Salado halite, intact	PCT_EXP	Threshold pressure exponential parameter	34377	22-Feb-96	Y	4B
Y	50.00 hw	2780	S_HALITE	Salado halite, intact	PCT_EXP	Threshold pressure exponential parameter	34377	22-Feb-96	Y	4B
Y	50.00 hw	2780	S_HALITE	Salado halite, intact	PCT_EXP	Threshold pressure exponential parameter	34377	22-Feb-96	Y	4B
Y	50.00 hw	2780	S_HALITE	Salado halite, intact	PCT_EXP	Threshold pressure exponential parameter	34377	22-Feb-96	Y	4B
Y		2783	S_MB138	Salado marker bed 138, intact and fractured	KPT	Flag for Permeability Determined Threshold	34479	20-Feb-96	Y	4B
Y		2783	S_MB138	Salado marker bed 138, intact and fractured	KPT	Flag for Permeability Determined Threshold	34479	20-Feb-96	Y	4B
Y		2783	S_MB138	Salado marker bed 138, intact and fractured	KPT	Flag for Permeability Determined Threshold	34479	20-Feb-96	Y	4B
Y		2783	S_MB138	Salado marker bed 138, intact and fractured	KPT	Flag for Permeability Determined Threshold	34479	20-Feb-96	Y	4B
Y		2784	S_MB138	Salado marker bed 138, intact and fractured	PCT_A	Threshold Pressure Linear Parameter	34505	08-Feb-96	Y	4A
Y		2784	S_MB138	Salado marker bed 138, intact and fractured	PCT_A	Threshold Pressure Linear Parameter	34505	08-Feb-96	Y	4A
Y		2784	S_MB138	Salado marker bed 138, intact and fractured	PCT_A	Threshold Pressure Linear Parameter	34505	08-Feb-96	Y	4A
Y		2785	S_MB138	Salado marker bed 138, intact and fractured	PCT_EXP	Threshold pressure exponential parameter	34507	08-Feb-96	Y	4A
Y		2785	S_MB138	Salado marker bed 138, intact and fractured	PCT_EXP	Threshold pressure exponential parameter	34507	08-Feb-96	Y	4A
Y		2785	S_MB138	Salado marker bed 138, intact and fractured	PCT_EXP	Threshold pressure exponential parameter	34507	08-Feb-96	Y	4A
Y		2788	S_MB139	Salado marker bed 139, intact and fractured	KPT	Flag for Permeability Determined Threshold	34825	20-Feb-96	Y	4B
Y		2788	S_MB139	Salado marker bed 139, intact and fractured	KPT	Flag for Permeability Determined Threshold	34825	20-Feb-96	Y	4B
Y		2788	S_MB139	Salado marker bed 139, intact and fractured	KPT	Flag for Permeability Determined Threshold	34825	20-Feb-96	Y	4B

CCA Parameter-Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
2774	1,3	CONSTANT	2.600000E-01	2.600000E-01	2.600000E-01	2.600000E-01	Pa	WPO38454	Y	N/A
2775	1,3	CONSTANT	-3.480000E-01	-3.480000E-01	-3.480000E-01	-3.480000E-01	NONE	WPO30643	Y	N/A
2775	1,3	CONSTANT	-3.480000E-01	-3.480000E-01	-3.480000E-01	-3.480000E-01	NONE	WPO35597	Y	N/A
2778	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35271	Y	N/A
2778	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35333	Y	N/A
2778	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35597	Y	N/A
2778	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40514	Y	N/A
2779	1,3,4	CONSTANT	5.600000E-01	5.600000E-01	5.600000E-01	5.600000E-01	Pa	SAND92-0700/3	Y	N/A
2779	1,3,4	CONSTANT	5.600000E-01	5.600000E-01	5.600000E-01	5.600000E-01	Pa	WPO35597	Y	N/A
2779	1,3,4	CONSTANT	5.600000E-01	5.600000E-01	5.600000E-01	5.600000E-01	Pa	WPO38454	Y	N/A
2779	1,3,4	CONSTANT	5.600000E-01	5.600000E-01	5.600000E-01	5.600000E-01	Pa	WPO40514	Y	N/A
2780	1,3,4	CONSTANT	-3.460000E-01	-3.460000E-01	-3.460000E-01	-3.460000E-01	NONE	SAND92-0700/3	Y	N/A
2780	1,3,4	CONSTANT	-3.460000E-01	-3.460000E-01	-3.460000E-01	-3.460000E-01	NONE	WPO35271	Y	N/A
2780	1,3,4	CONSTANT	-3.460000E-01	-3.460000E-01	-3.460000E-01	-3.460000E-01	NONE	WPO35333	Y	N/A
2780	1,3,4	CONSTANT	-3.460000E-01	-3.460000E-01	-3.460000E-01	-3.460000E-01	NONE	WPO35597	Y	N/A
2780	1,3,4	CONSTANT	-3.460000E-01	-3.460000E-01	-3.460000E-01	-3.460000E-01	NONE	WPO40514	Y	N/A
2783	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35271	Y	N/A
2783	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35333	Y	N/A
2783	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35597	Y	N/A
2783	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40514	Y	N/A
2784	1,5	CONSTANT	2.600000E-01	2.600000E-01	2.600000E-01	2.600000E-01	Pa	WPO30643	Y	N/A
2784	1,5	CONSTANT	2.600000E-01	2.600000E-01	2.600000E-01	2.600000E-01	Pa	WPO35597	Y	N/A
2784	1,5	CONSTANT	2.600000E-01	2.600000E-01	2.600000E-01	2.600000E-01	Pa	WPO42714	Y	N/A
2785	1,5	CONSTANT	-3.480000E-01	-3.480000E-01	-3.480000E-01	-3.480000E-01	NONE	WPO30643	Y	N/A
2785	1,5	CONSTANT	-3.480000E-01	-3.480000E-01	-3.480000E-01	-3.480000E-01	NONE	WPO35597	Y	N/A
2785	1,5	CONSTANT	-3.480000E-01	-3.480000E-01	-3.480000E-01	-3.480000E-01	NONE	WPO42714	Y	N/A
2788	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35271	Y	N/A
2788	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35333	Y	N/A
2788	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35597	Y	N/A

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 444 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		2788	S_MB139	Salado marker bed 139, intact and fractured	KPT	Flag for Permeability Determined Threshold	34825	20-Feb-96	Y	4B
Y		2789	S_MB139	Salado marker bed 139, intact and fractured	PCT_A	Threshold Pressure Linear Parameter	34843	22-Feb-96	Y	1
Y		2789	S_MB139	Salado marker bed 139, intact and fractured	PCT_A	Threshold Pressure Linear Parameter	34843	22-Feb-96	Y	1
Y		2790	S_MB139	Salado marker bed 139, intact and fractured	PCT_EXP	Threshold pressure exponential parameter	34844	08-Feb-96	Y	1
Y		2790	S_MB139	Salado marker bed 139, intact and fractured	PCT_EXP	Threshold pressure exponential parameter	34844	08-Feb-96	Y	1
Y		2793	TAMARISK	Tamarisk Member	KPT	Flag for Permeability Determined Threshold	34558	20-Feb-96	Y	4B
Y		2793	TAMARISK	Tamarisk Member	KPT	Flag for Permeability Determined Threshold	34558	20-Feb-96	Y	4B
Y		2793	TAMARISK	Tamansk Member	KPT	Flag for Permeability Determined Threshold	34558	20-Feb-96	Y	4B
Y		2793	TAMARISK	Tamarisk Member	KPT	Flag for Permeability Determined Threshold	34558	20-Feb-96	Y	4B
Y		2794	TAMARISK	Tamarisk Member	PCT_A	Threshold Pressure Linear Parameter	34560	14-Nov-95	Y	4B
Y		2794	TAMARISK	Tamarisk Member	PCT_A	Threshold Pressure Linear Parameter	34560	14-Nov-95	Y	4B
Y		2795	TAMARISK	Tamarisk Member	PCT_EXP	Threshold pressure exponential parameter	34562	14-Nov-95	Y	4B
Y		2795	TAMARISK	Tamarisk Member	PCT_EXP	Threshold pressure exponential parameter	34562	14-Nov-95	Y	4B
Y		2796	TAMARISK	Tamarisk Member	PO_MIN	Minimum brine pressure for capillary model KPC=3	34571	21-Feb-96	Y	4B
Y		2796	TAMARISK	Tamansk Member	PO_MIN	Minimum brine pressure for capillary model KPC=3	34571	21-Feb-96	Y	4B
Y		2796	TAMARISK	Tamansk Member	PO_MIN	Minimum brine pressure for capillary model KPC=3	34571	21-Feb-96	Y	4B
Y		2799	UNNAMED	Unnamed Lower Member of Rustler Formation	KPT	Flag for Permeability Determined Threshold	34687	20-Feb-96	Y	4B
Y		2799	UNNAMED	Unnamed Lower Member of Rustler Formation	KPT	Flag for Permeability Determined Threshold	34687	20-Feb-96	Y	4B
Y		2799	UNNAMED	Unnamed Lower Member of Rustler Formation	KPT	Flag for Permeability Determined Threshold	34687	20-Feb-96	Y	4B
Y		2799	UNNAMED	Unnamed Lower Member of Rustler Formation	KPT	Flag for Permeability Determined Threshold	34687	20-Feb-96	Y	4B
Y		2800	UNNAMED	Unnamed Lower Member of Rustler Formation	PCT_A	Threshold Pressure Linear Parameter	34688	14-Nov-95	Y	4B
Y		2800	UNNAMED	Unnamed Lower Member of Rustler Formation	PCT_A	Threshold Pressure Linear Parameter	34688	14-Nov-95	Y	4B
Y		2801	UNNAMED	Unnamed Lower Member of Rustler Formation	PCT_EXP	Threshold pressure exponential parameter	34689	14-Nov-95	Y	4B
Y		2801	UNNAMED	Unnamed Lower Member of Rustler Formation	PCT_EXP	Threshold pressure exponential parameter	34689	14-Nov-95	Y	4B
Y		2802	UNNAMED	Unnamed Lower Member of Rustler Formation	PO_MIN	Minimum brine pressure for capillary model KPC=3	34693	21-Feb-96	Y	4B
Y		2802	UNNAMED	Unnamed Lower Member of Rustler Formation	PO_MIN	Minimum brine pressure for capillary model KPC=3	34693	21-Feb-96	Y	4B
Y		2802	UNNAMED	Unnamed Lower Member of Rustler Formation	PO_MIN	Minimum brine pressure for capillary model KPC=3	34693	21-Feb-96	Y	4B
Y		2804	WAS_AREA	Waste emplacement area and waste	KPT	Flag for Permeability Determined Threshold	34942	20-Feb-96	Y	4B
Y		2804	WAS_AREA	Waste emplacement area and waste	KPT	Flag for Permeability Determined Threshold	34942	20-Feb-96	Y	4B

CCA-Parameter-Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
2788	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40514	Y	N/A
2789	1,5	CONSTANT	2.600000E-01	2.600000E-01	2.600000E-01	2.600000E-01	Pa	WPO30643	Y	N/A
2789	1,5	CONSTANT	2.600000E-01	2.600000E-01	2.600000E-01	2.600000E-01	Pa	WPO35597	Y	N/A
2790	1,5	CONSTANT	-3.480000E-01	-3.480000E-01	-3.480000E-01	-3.480000E-01	NONE	WPO30643	Y	N/A
2790	1,5	CONSTANT	-3.480000E-01	-3.480000E-01	-3.480000E-01	-3.480000E-01	NONE	WPO35597	Y	N/A
2793	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35271	Y	N/A
2793	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35333	Y	N/A
2793	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35597	Y	N/A
2793	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40514	Y	N/A
2794	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Pa	WPO38568	Y	N/A
2794	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Pa	WPO40514	Y	N/A
2795	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO38568	Y	N/A
2795	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40514	Y	N/A
2796	1,3	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO35597	Y	N/A
2796	1,3	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO36051	Y	N/A
2796	1,3	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO40514	Y	N/A
2799	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35271	Y	N/A
2799	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35333	Y	N/A
2799	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35597	Y	N/A
2799	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40514	Y	N/A
2800	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Pa	WPO38568	Y	N/A
2800	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Pa	WPO40514	Y	N/A
2801	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO38568	Y	N/A
2801	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40514	Y	N/A
2802	1,3	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO35597	Y	N/A
2802	1,3	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO36051	Y	N/A
2802	1,3	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO40514	Y	N/A
2804	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35271	Y	N/A
2804	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35333	Y	N/A

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 454 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		2804	WAS_AREA	Waste emplacement area and waste	KPT	Flag for Permeability Determined Threshold	34942	20-Feb-96	Y	4B
Y		2804	WAS_AREA	Waste emplacement area and waste	KPT	Flag for Permeability Determined Threshold	34942	20-Feb-96	Y	4B
Y		2805	WAS_AREA	Waste emplacement area and waste	PCT_A	Threshold Pressure Linear Parameter	34983	08-Feb-96	Y	4B
Y		2805	WAS_AREA	Waste emplacement area and waste	PCT_A	Threshold Pressure Linear Parameter	34983	08-Feb-96	Y	4B
Y		2805	WAS_AREA	Waste emplacement area and waste	PCT_A	Threshold Pressure Linear Parameter	34983	08-Feb-96	Y	4B
Y		2805	WAS_AREA	Waste emplacement area and waste	PCT_A	Threshold Pressure Linear Parameter	34983	08-Feb-96	Y	4B
Y		2806	WAS_AREA	Waste emplacement area and waste	PCT_EXP	Threshold pressure exponential parameter	34984	08-Feb-96	Y	4B
Y		2806	WAS_AREA	Waste emplacement area and waste	PCT_EXP	Threshold pressure exponential parameter	34984	08-Feb-96	Y	4B
Y		2806	WAS_AREA	Waste emplacement area and waste	PCT_EXP	Threshold pressure exponential parameter	34984	08-Feb-96	Y	4B
Y		2808	CONC_T2	Concrete column: 400 to 10K years	PO_MIN	Minimum brine pressure for capillary model KPC=3	32660	21-Feb-96	Y	4B
Y		2808	CONC_T2	Concrete column: 400 to 10K years	PO_MIN	Minimum brine pressure for capillary model KPC=3	32660	21-Feb-96	Y	4B
Y		2808	CONC_T2	Concrete column: 400 to 10K years	PO_MIN	Minimum brine pressure for capillary model KPC=3	32660	21-Feb-96	Y	4B
Y	varies	2809	SALT_T5	Shaft salt column compacted: time 100 to 200 years	PORE_DIS	Brooks-Corey pore distribution parameter	33588	26-Feb-96	Y	1
Y	varies	2809	SALT_T5	Shaft salt column compacted: time 100 to 200 years	PORE_DIS	Brooks-Corey pore distribution parameter	33588	26-Feb-96	Y	1
Y	varies	2809	SALT_T5	Shaft salt column compacted: time 100 to 200 years	PORE_DIS	Brooks-Corey pore distribution parameter	33588	26-Feb-96	Y	1
Y	varies	2809	SALT_T5	Shaft salt column compacted: time 100 to 200 years	PORE_DIS	Brooks-Corey pore distribution parameter	33588	26-Feb-96	Y	1
Y	varies	2809	SALT_T5	Shaft salt column compacted: time 100 to 200 years	PORE_DIS	Brooks-Corey pore distribution parameter	33588	26-Feb-96	Y	1
Y	varies	2809	SALT_T5	Shaft salt column compacted: time 100 to 200 years	PORE_DIS	Brooks-Corey pore distribution parameter	33588	26-Feb-96	Y	1
Y		2810	S_MB138	Salado marker bed 138, intact and fractured	IFRX	Index for fracture perm. enhancement in X-direction	34465	30-Jan-96	Y	4B
Y		2810	S_MB138	Salado marker bed 138, intact and fractured	IFRX	Index for fracture perm. enhancement in X-direction	34465	30-Jan-96	Y	4B
Y		2810	S_MB138	Salado marker bed 138, intact and fractured	IFRX	Index for fracture perm. enhancement in X-direction	34465	30-Jan-96	Y	4B
Y		2811	S_MB139	Salado marker bed 139, intact and fractured	IFRX	Index for fracture perm. enhancement in X-direction	34818	30-Jan-96	Y	4B
Y		2811	S_MB139	Salado marker bed 139, intact and fractured	IFRX	Index for fracture perm. enhancement in X-direction	34818	30-Jan-96	Y	4B
Y		2811	S_MB139	Salado marker bed 139, intact and fractured	IFRX	Index for fracture perm. enhancement in X-direction	34818	30-Jan-96	Y	4B
Y		2812	S_ANH_AB	Salado anhydrite beds A and B, intact and fractured	IFRX	Index for fracture perm. enhancement in X-direction	34158	30-Jan-96	Y	4B
Y		2812	S_ANH_AB	Salado anhydrite beds A and B, intact and fractured	IFRX	Index for fracture perm. enhancement in X-direction	34158	30-Jan-96	Y	4B
Y		2812	S_ANH_AB	Salado anhydrite beds A and B, intact and fractured	IFRX	Index for fracture perm. enhancement in X-direction	34158	30-Jan-96	Y	4B

CCA Parameter Listing-

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NOAA-1 Program?	Which methods were used to quality existing data? (footnote 3)
2804	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35597	Y	N/A
2804	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40514	Y	N/A
2805	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Pa	WPO35597	Y	N/A
2805	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Pa	WPO38454	Y	N/A
2805	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Pa	WPO40514	Y	N/A
2805	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Pa	WPO42681	Y	N/A
2806	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35597	Y	N/A
2806	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40514	Y	N/A
2806	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO42681	Y	N/A
2808	1,3	CONSTANT	1.0132500E+05	1.0132500E+05	1.0132500E+05	1.0132500E+05	Pa	WPO35597	Y	N/A
2808	1,3	CONSTANT	1.0132500E+05	1.0132500E+05	1.0132500E+05	1.0132500E+05	Pa	WPO36051	Y	N/A
2808	1,3	CONSTANT	1.0132500E+05	1.0132500E+05	1.0132500E+05	1.0132500E+05	Pa	WPO40514	Y	N/A
2809	3,4	CUMULATIVE	2.5200000E+00	9.4000000E-01	1.1000000E-01	8.1000000E+00	NONE	WPO30640	Y	N/A
2809	3,4	CUMULATIVE	2.5200000E+00	9.4000000E-01	1.1000000E-01	8.1000000E+00	NONE	WPO30994	Y	N/A
2809	3,4	CUMULATIVE	2.5200000E+00	9.4000000E-01	1.1000000E-01	8.1000000E+00	NONE	WPO35268	Y	N/A
2809	3,4	CUMULATIVE	2.5200000E+00	9.4000000E-01	1.1000000E-01	8.1000000E+00	NONE	WPO35597	Y	N/A
2809	3,4	CUMULATIVE	2.5200000E+00	9.4000000E-01	1.1000000E-01	8.1000000E+00	NONE	WPO41558	Y	N/A
2809	3,4	CUMULATIVE	2.5200000E+00	9.4000000E-01	1.1000000E-01	8.1000000E+00	NONE	WPO42752	Y	N/A
2810	1,3	CONSTANT	1.0000000E+00	1.0000000E+00	1.0000000E+00	1.0000000E+00	NONE	WPO35597	Y	N/A
2810	1,3	CONSTANT	1.0000000E+00	1.0000000E+00	1.0000000E+00	1.0000000E+00	NONE	WPO36205	Y	N/A
2810	1,3	CONSTANT	1.0000000E+00	1.0000000E+00	1.0000000E+00	1.0000000E+00	NONE	WPO40514	Y	N/A
2811	3,5	CONSTANT	1.0000000E+00	1.0000000E+00	1.0000000E+00	1.0000000E+00	NONE	WPO35597	Y	N/A
2811	3,5	CONSTANT	1.0000000E+00	1.0000000E+00	1.0000000E+00	1.0000000E+00	NONE	WPO36205	Y	N/A
2811	3,5	CONSTANT	1.0000000E+00	1.0000000E+00	1.0000000E+00	1.0000000E+00	NONE	WPO40514	Y	N/A
2812	1,3	CONSTANT	1.0000000E+00	1.0000000E+00	1.0000000E+00	1.0000000E+00	NONE	WPO35597	Y	N/A
2812	1,3	CONSTANT	1.0000000E+00	1.0000000E+00	1.0000000E+00	1.0000000E+00	NONE	WPO36205	Y	N/A
2812	1,3	CONSTANT	1.0000000E+00	1.0000000E+00	1.0000000E+00	1.0000000E+00	NONE	WPO40514	Y	N/A

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 454 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		2813	S_MB138	Salado marker bed 138, intact and fractured	IFRY	Index for fracture perm. enhancement in Y-direction	34466	30-Jan-96	Y	4B
Y		2813	S_MB138	Salado marker bed 138, intact and fractured	IFRY	Index for fracture perm. enhancement in Y-direction	34466	30-Jan-96	Y	4B
Y		2813	S_MB138	Salado marker bed 138, intact and fractured	IFRY	Index for fracture perm. enhancement in Y-direction	34466	30-Jan-96	Y	4B
Y		2814	S_MB139	Salado marker bed 139, intact and fractured	IFRY	Index for fracture perm. enhancement in Y-direction	34819	30-Jan-96	Y	4B
Y		2814	S_MB139	Salado marker bed 139, intact and fractured	IFRY	Index for fracture perm. enhancement in Y-direction	34819	30-Jan-96	Y	4B
Y		2814	S_MB139	Salado marker bed 139, intact and fractured	IFRY	Index for fracture perm. enhancement in Y-direction	34819	30-Jan-96	Y	4B
Y		2815	S_ANH_AB	Salado anhydrite beds A and B, intact and fractured	IFRY	Index for fracture perm. enhancement in Y-direction	34159	30-Jan-96	Y	4B
Y		2815	S_ANH_AB	Salado anhydrite beds A and B, intact and fractured	IFRY	Index for fracture perm. enhancement in Y-direction	34159	30-Jan-96	Y	4B
Y		2815	S_ANH_AB	Salado anhydrite beds A and B, intact and fractured	IFRY	Index for fracture perm. enhancement in Y-direction	34159	30-Jan-96	Y	4B
Y		2816	S_MB138	Salado marker bed 138, intact and fractured	IFRZ	Index for fracture perm. enhancement in Z-direction	34471	31-Jan-96	Y	4B
Y		2816	S_MB138	Salado marker bed 138, intact and fractured	IFRZ	Index for fracture perm. enhancement in Z-direction	34471	31-Jan-96	Y	4B
Y		2816	S_MB138	Salado marker bed 138, intact and fractured	IFRZ	Index for fracture perm. enhancement in Z-direction	34471	31-Jan-96	Y	4B
Y		2817	S_MB139	Salado marker bed 139, intact and fractured	IFRZ	Index for fracture perm. enhancement in Z-direction	34820	31-Jan-96	Y	4B
Y		2817	S_MB139	Salado marker bed 139, intact and fractured	IFRZ	Index for fracture perm. enhancement in Z-direction	34820	31-Jan-96	Y	4B
Y		2817	S_MB139	Salado marker bed 139, intact and fractured	IFRZ	Index for fracture perm. enhancement in Z-direction	34820	31-Jan-96	Y	4B
Y		2818	S_ANH_AB	Salado anhydrite beds A and B, intact and fractured	IFRZ	Index for fracture perm. enhancement in Z-direction	34160	31-Jan-96	Y	4B
Y		2818	S_ANH_AB	Salado anhydrite beds A and B, intact and fractured	IFRZ	Index for fracture perm. enhancement in Z-direction	34160	31-Jan-96	Y	4B
Y		2818	S_ANH_AB	Salado anhydrite beds A and B, intact and fractured	IFRZ	Index for fracture perm. enhancement in Z-direction	34160	31-Jan-96	Y	4B
Y		2819	S_ANH_AB	Salado anhydrite beds A and B, intact and fractured	BKLINK	Kinkenberg B Correction Parameters for H2 gas	34129A	23-Apr-96	Y	4A
Y		2819	S_ANH_AB	Salado anhydrite beds A and B, intact and fractured	BKLINK	Kinkenberg B Correction Parameters for H2 gas	34129A	23-Apr-96	Y	4A
Y		2819	S_ANH_AB	Salado anhydrite beds A and B, intact and fractured	BKLINK	Kinkenberg B Correction Parameters for H2 gas	34129A	23-Apr-96	Y	4A
Y		2819	S_ANH_AB	Salado anhydrite beds A and B, intact and fractured	BKLINK	Kinkenberg B Correction Parameters for H2 gas	34129A	23-Apr-96	Y	4A
Y		2820	S_ANH_AB	Salado anhydrite beds A and B, intact and fractured	EXPKLINK	Kinkenberg b correction parameters for H2 gas	34139A	23-Apr-96	Y	4A
Y		2820	S_ANH_AB	Salado anhydrite beds A and B, intact and fractured	EXPKLINK	Kinkenberg b correction parameters for H2 gas	34139A	23-Apr-96	Y	4A

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
2813	1,3	CONSTANT	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	NONE	WPO35597	Y	N/A
2813	1,3	CONSTANT	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	NONE	WPO36205	Y	N/A
2813	1,3	CONSTANT	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	NONE	WPO40514	Y	N/A
2814	3,5	CONSTANT	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	NONE	WPO35597	Y	N/A
2814	3,5	CONSTANT	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	NONE	WPO36205	Y	N/A
2814	3,5	CONSTANT	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	NONE	WPO40514	Y	N/A
2815	1,3	CONSTANT	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	NONE	WPO35597	Y	N/A
2815	1,3	CONSTANT	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	NONE	WPO36205	Y	N/A
2815	1,3	CONSTANT	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	NONE	WPO40514	Y	N/A
2816	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35597	Y	N/A
2816	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO36205	Y	N/A
2816	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40514	Y	N/A
2817	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35597	Y	N/A
2817	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO36205	Y	N/A
2817	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40514	Y	N/A
2818	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35597	Y	N/A
2818	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO36205	Y	N/A
2818	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40514	Y	N/A
2819	1,5	CONSTANT	2.710000E-01	2.710000E-01	2.710000E-01	2.710000E-01	Pa	WPO30642	Y	N/A
2819	1,5	CONSTANT	2.710000E-01	2.710000E-01	2.710000E-01	2.710000E-01	Pa	WPO35597	Y	N/A
2819	1,5	CONSTANT	2.710000E-01	2.710000E-01	2.710000E-01	2.710000E-01	Pa	WPO38450	Y	N/A
2819	1,5	CONSTANT	2.710000E-01	2.710000E-01	2.710000E-01	2.710000E-01	Pa	WPO42714	Y	N/A
2820	1,5	CONSTANT	-3.410000E-01	-3.410000E-01	-3.410000E-01	-3.410000E-01	NONE	WPO30642	Y	N/A
2820	1,5	CONSTANT	-3.410000E-01	-3.410000E-01	-3.410000E-01	-3.410000E-01	NONE	WPO35597	Y	N/A

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 454 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		2820	S_ANH_AB	Silado anhydrite beds A and B, intact and fractured	EXPCLINK	Klinkenberg b correction parameters for H2 gas	34139A	23-Apr-96	Y	4A
Y		2823	WAS_AREA	Waste emplacement area and waste	PROBDEG	Prob. of plastics&rubber biodegradation in event of microbial gas generation	34881	23-Feb-96	Y	4B
Y		2823	WAS_AREA	Waste emplacement area and waste	PROBDEG	Prob. of plastics&rubber biodegradation in event of microbial gas generation	34881	23-Feb-96	Y	4B
Y		2823	WAS_AREA	Waste emplacement area and waste	PROBDEG	Prob. of plastics&rubber biodegradation in event of microbial gas generation	34881	23-Feb-96	Y	4B
Y		2823	WAS_AREA	Waste emplacement area and waste	PROBDEG	Prob. of plastics&rubber biodegradation in event of microbial gas generation	34881	23-Feb-96	Y	4B
Y		2824	REPOSIT	Repository regions outside of Panel region	PROBDEG	Prob. of plastics&rubber biodegradation in event of microbial gas generation	33264	23-Feb-96	Y	4B
Y		2824	REPOSIT	Repository regions outside of Panel region	PROBDEG	Prob. of plastics&rubber biodegradation in event of microbial gas generation	33264	23-Feb-96	Y	4B
Y		2824	REPOSIT	Repository regions outside of Panel region	PROBDEG	Prob. of plastics&rubber biodegradation in event of microbial gas generation	33264	23-Feb-96	Y	4B
Y		2824	REPOSIT	Repository regions outside of Panel region	PROBDEG	Prob. of plastics&rubber biodegradation in event of microbial gas generation	33264	23-Feb-96	Y	4B
Y		2825	REFCON	Reference Constant	TC_H2	Critical temperature:Hydrogen (H2)	32429	05-Feb-96	Y	3
Y		2825	REFCON	Reference Constant	TC_H2	Critical temperature:Hydrogen (H2)	32429	05-Feb-96	Y	3
Y		2826	REFCON	Reference Constant	TC_CO2	Critical temperature:Carbon Dioxide (CO2)	32428	05-Feb-96	Y	3
Y		2826	REFCON	Reference Constant	TC_CO2	Critical temperature:Carbon Dioxide (CO2)	32428	05-Feb-96	Y	3
Y		2827	REFCON	Reference Constant	TC_CH4	Critical temperature:Methane (CH4)	32427	05-Feb-96	Y	3
Y		2827	REFCON	Reference Constant	TC_CH4	Critical temperature:Methane (CH4)	32427	05-Feb-96	Y	3
Y		2828	REFCON	Reference Constant	TC_N2	Critical temperature:Nitrogen (N2)	32431	05-Feb-96	Y	3
Y		2828	REFCON	Reference Constant	TC_N2	Critical temperature:Nitrogen (N2)	32431	05-Feb-96	Y	3
Y		2829	REFCON	Reference Constant	TC_H2S	Critical temperature:Hydrogen Sulfide (H2S)	32430	05-Feb-96	Y	3
Y		2829	REFCON	Reference Constant	TC_H2S	Critical temperature:Hydrogen Sulfide (H2S)	32430	05-Feb-96	Y	3
Y		2830	REFCON	Reference Constant	TC_O2	Critical temperature:Oxygen (O2)	32432	05-Feb-96	Y	3
Y		2830	REFCON	Reference Constant	TC_O2	Critical temperature:Oxygen (O2)	32432	05-Feb-96	Y	3
Y		2831	REFCON	Reference Constant	ACF_H2	Acentric Factors - H2	32351	12-Feb-96	Y	3
Y		2831	REFCON	Reference Constant	ACF_H2	Acentric Factors - H2	32351	12-Feb-96	Y	3
Y		2832	REFCON	Reference Constant	ACF_CO2	Acentric Factors - CO2	32350	12-Feb-96	Y	3
Y		2832	REFCON	Reference Constant	ACF_CO2	Acentric Factors - CO2	32350	12-Feb-96	Y	3
Y		2833	REFCON	Reference Constant	ACF_CH4	Acentric Factors - CH4	32349	12-Feb-96	Y	3
Y		2833	REFCON	Reference Constant	ACF_CH4	Acentric Factors - CH4	32349	12-Feb-96	Y	3
Y		2834	REFCON	Reference Constant	ACF_N2	Acentric Factors - N2	32354	12-Feb-96	Y	3
Y		2834	REFCON	Reference Constant	ACF_N2	Acentric Factors - N2	32354	12-Feb-96	Y	3
Y		2835	REFCON	Reference Constant	ACF_H2S	Acentric Factors - H2S	32352	12-Feb-96	Y	3
Y		2835	REFCON	Reference Constant	ACF_H2S	Acentric Factors - H2S	32352	12-Feb-96	Y	3
Y		2836	REFCON	Reference Constant	ACF_O2	Acentric Factors - O2	32355	12-Feb-96	Y	3
Y		2836	REFCON	Reference Constant	ACF_O2	Acentric Factors - O2	32355	12-Feb-96	Y	3
Y		2837	REFCON	Reference Constant	PC_H2	Critical Pressure of H2	32417	05-Feb-96	Y	3

CCA Parameter-Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
2820	1,5	CONSTANT	-3.4100000E-01	-3.4100000E-01	-3.4100000E-01	-3.4100000E-01	NONE	WPO42714	Y	N/A
2823	1,3	DELTA	2.0000000E+00	2.0000000E+00	0.0000000E+00	2.0000000E+00	NONE	MEMO:TIERNEY/ FILE-1	Y	N/A
2823	1,3	DELTA	2.0000000E+00	2.0000000E+00	0.0000000E+00	2.0000000E+00	NONE	WPO35268	Y	N/A
2823	1,3	DELTA	2.0000000E+00	2.0000000E+00	0.0000000E+00	2.0000000E+00	NONE	WPO35597	Y	N/A
2823	1,3	DELTA	2.0000000E+00	2.0000000E+00	0.0000000E+00	2.0000000E+00	NONE	WPO40514	Y	N/A
2824	3,5	DELTA	2.0000000E+00	2.0000000E+00	0.0000000E+00	2.0000000E+00	NONE	MEMO:TIERNEY/ FILE-1	Y	N/A
2824	3,5	DELTA	2.0000000E+00	2.0000000E+00	0.0000000E+00	2.0000000E+00	NONE	WPO35268	Y	N/A
2824	3,5	DELTA	2.0000000E+00	2.0000000E+00	0.0000000E+00	2.0000000E+00	NONE	WPO35597	Y	N/A
2824	3,5	DELTA	2.0000000E+00	2.0000000E+00	0.0000000E+00	2.0000000E+00	NONE	WPO40514	Y	N/A
2825	4	CONSTANT	4.3600000E+01	4.3600000E+01	4.3600000E+01	4.3600000E+01	K	VAPOR-LIQUID_ EQUILIBRIA	Y	N/A
2825	4	CONSTANT	4.3600000E+01	4.3600000E+01	4.3600000E+01	4.3600000E+01	K	WPO36298	Y	N/A
2826	4	CONSTANT	3.0415000E+02	3.0415000E+02	3.0415000E+02	3.0415000E+02	K	VAPOR-LIQUID_ EQUILIBRIA	Y	N/A
2826	4	CONSTANT	3.0415000E+02	3.0415000E+02	3.0415000E+02	3.0415000E+02	K	WPO36298	Y	N/A
2827	4	CONSTANT	1.9063000E+02	1.9063000E+02	1.9063000E+02	1.9063000E+02	K	VAPOR-LIQUID_ EQUILIBRIA	Y	N/A
2827	4	CONSTANT	1.9063000E+02	1.9063000E+02	1.9063000E+02	1.9063000E+02	K	WPO36298	Y	N/A
2828	4	CONSTANT	1.2615000E+02	1.2615000E+02	1.2615000E+02	1.2615000E+02	K	VAPOR-LIQUID_ EQUILIBRIA	Y	N/A
2828	4	CONSTANT	1.2615000E+02	1.2615000E+02	1.2615000E+02	1.2615000E+02	K	WPO36298	Y	N/A
2829	4	CONSTANT	3.7355000E+02	3.7355000E+02	3.7355000E+02	3.7355000E+02	K	VAPOR-LIQUID_ EQUILIBRIA	Y	N/A
2829	4	CONSTANT	3.7355000E+02	3.7355000E+02	3.7355000E+02	3.7355000E+02	K	WPO36298	Y	N/A
2830	4	CONSTANT	1.5477000E+02	1.5477000E+02	1.5477000E+02	1.5477000E+02	K	VAPOR-LIQUID_ EQUILIBRIA	Y	N/A
2830	4	CONSTANT	1.5477000E+02	1.5477000E+02	1.5477000E+02	1.5477000E+02	K	WPO36298	Y	N/A
2831	4	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0.0000000E+00	NONE	VAPOR-LIQUID_ EQUILIBRIA	Y	N/A
2831	4	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0.0000000E+00	NONE	WPO36298	Y	N/A
2832	4	CONSTANT	2.3100000E-01	2.3100000E-01	2.3100000E-01	2.3100000E-01	NONE	VAPOR-LIQUID_ EQUILIBRIA	Y	N/A
2832	4	CONSTANT	2.3100000E-01	2.3100000E-01	2.3100000E-01	2.3100000E-01	NONE	WPO36298	Y	N/A
2833	4	CONSTANT	1.0000000E-02	1.0000000E-02	1.0000000E-02	1.0000000E-02	NONE	VAPOR-LIQUID_ EQUILIBRIA	Y	N/A
2833	4	CONSTANT	1.0000000E-02	1.0000000E-02	1.0000000E-02	1.0000000E-02	NONE	WPO36298	Y	N/A
2834	4	CONSTANT	4.5000000E-02	4.5000000E-02	4.5000000E-02	4.5000000E-02	NONE	VAPOR-LIQUID_ EQUILIBRIA	Y	N/A
2834	4	CONSTANT	4.5000000E-02	4.5000000E-02	4.5000000E-02	4.5000000E-02	NONE	WPO36298	Y	N/A
2835	4	CONSTANT	1.0000000E-01	1.0000000E-01	1.0000000E-01	1.0000000E-01	NONE	VAPOR-LIQUID_ EQUILIBRIA	Y	N/A
2835	4	CONSTANT	1.0000000E-01	1.0000000E-01	1.0000000E-01	1.0000000E-01	NONE	WPO36298	Y	N/A
2836	4	CONSTANT	1.9000000E-02	1.9000000E-02	1.9000000E-02	1.9000000E-02	NONE	VAPOR-LIQUID_ EQUILIBRIA	Y	N/A
2836	4	CONSTANT	1.9000000E-02	1.9000000E-02	1.9000000E-02	1.9000000E-02	NONE	WPO36298	Y	N/A
2837	4	CONSTANT	2.0470000E+06	2.0470000E+06	2.0470000E+06	2.0470000E+06	Pa	VAPOR-LIQUID_ EQUILIBRIA	Y	N/A

CCA Parameter-Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 484 constant with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		2837	REFCON	Reference Constant	PC_H2	Critical Pressure of H2	32417	05-Feb-96	Y	3
Y		2838	REFCON	Reference Constant	PC_CO2	Critical Pressure of CO2	32416	05-Feb-96	Y	3
Y		2838	REFCON	Reference Constant	PC_CO2	Critical Pressure of CO2	32416	05-Feb-96	Y	3
Y		2839	REFCON	Reference Constant	PC_CH4	Critical Pressure of CH4	32415	05-Feb-96	Y	3
Y		2839	REFCON	Reference Constant	PC_CH4	Critical Pressure of CH4	32415	05-Feb-96	Y	3
Y		2840	REFCON	Reference Constant	PC_N2	Critical Pressure of N2	32419	05-Feb-96	Y	3
Y		2840	REFCON	Reference Constant	PC_N2	Critical Pressure of N2	32419	05-Feb-96	Y	3
Y		2841	REFCON	Reference Constant	PC_H2S	Critical Pressure of H2S	32418	05-Feb-96	Y	3
Y		2841	REFCON	Reference Constant	PC_H2S	Critical Pressure of H2S	32418	05-Feb-96	Y	3
Y		2842	REFCON	Reference Constant	PC_O2	Critical Pressure of O2	32420	05-Feb-96	Y	3
Y		2842	REFCON	Reference Constant	PC_O2	Critical Pressure of O2	32420	05-Feb-96	Y	3
Y		2858	REFCON	Reference Constant	MW_H2	Molecular Weight - H2	32403	13-Feb-96	Y	3
Y		2858	REFCON	Reference Constant	MW_H2	Molecular Weight - H2	32403	13-Feb-96	Y	3
Y		2864	REFCON	Reference Constant	MW_H2O	Molecular Weight - H2O	32405	13-Feb-96	Y	3
Y		2864	REFCON	Reference Constant	MW_H2O	Molecular Weight - H2O	32405	13-Feb-96	Y	3
Y		2865	REFCON	Reference Constant	MW_FE	Molecular Weight - FE	32396	13-Feb-96	Y	3
Y		2865	REFCON	Reference Constant	MW_FE	Molecular Weight - FE	32396	13-Feb-96	Y	3
Y		2866	REFCON	Reference Constant	MW_CH2O	Molecular Weight - CH2O	32393	13-Feb-96	Y	3
Y		2866	REFCON	Reference Constant	MW_CH2O	Molecular Weight - CH2O	32393	13-Feb-96	Y	3
Y		2879	REFCON	Reference Constant	BBLG	Conversion from barrel to gallon	32360	05-Feb-96	Y	3
Y		2879	REFCON	Reference Constant	BBLG	Conversion from barrel to gallon	32360	05-Feb-96	Y	3
Y		2880	REFCON	Reference Constant	PASCP	Conversion from Pa's to cP	32414	05-Feb-96	Y	3
Y		2880	REFCON	Reference Constant	PASCP	Conversion from Pa's to cP	32414	05-Feb-96	Y	3
Y		2881	REFCON	Reference Constant	FTM	Conversion from feet to meter	32385	06-Feb-96	Y	3
Y		2882	REFCON	Reference Constant	DARM2	Conversion from darcy to m^2	32379	06-Feb-96	Y	3
Y		2883	REFCON	Reference Constant	F3M3	Conversion from ft^3 to m^3	32384	06-Feb-96	Y	3
Y		2884	REFCON	Reference Constant	GT3	Conversion from gallon to in^3	32387	06-Feb-96	Y	3
Y		2885	REFCON	Reference Constant	LBKG	Conversion from lb to kg	32389	06-Feb-96	Y	3
Y		2886	REFCON	Reference Constant	KGLB	Conversion from kg to lb	32388	06-Feb-96	Y	3
Y		2886	REFCON	Reference Constant	KGLB	Conversion from kg to lb	32388	06-Feb-96	Y	3
Y		2887	REFCON	Reference Constant	DAYSEC	Conversion from days to seconds	32383	06-Feb-96	Y	3
Y		2887	REFCON	Reference Constant	DAYSEC	Conversion from days to seconds	32383	06-Feb-96	Y	3
Y		2888	REFCON	Reference Constant	YRSEC	Conversion from mean solar or tropical year to seconds	32434	06-Feb-96	Y	3
Y		2888	REFCON	Reference Constant	YRSEC	Conversion from mean solar or tropical year to seconds	32434	06-Feb-96	Y	3
Y	0.15/0.17	2889	REFCON	Reference Constant	GRAVACC	Standard gravitational acceleration	32386	06-Feb-96	Y	3
Y	0.15/0.17	2889	REFCON	Reference Constant	GRAVACC	Standard gravitational acceleration	32386	06-Feb-96	Y	3
Y	0.15/0.17	2889	REFCON	Reference Constant	GRAVACC	Standard gravitational acceleration	32386	06-Feb-96	Y	3
Y		2890	REFCON	Reference Constant	ATMPA	Conversion from std atmosphere to Pa	32358	06-Feb-96	Y	3
Y		2890	REFCON	Reference Constant	ATMPA	Conversion from std atmosphere to Pa	32358	06-Feb-96	Y	3
Y		2891	REFCON	Reference Constant	RTK	Conversion from Rankine to K	32425	06-Feb-96	Y	3
Y		2891	REFCON	Reference Constant	RTK	Conversion from Rankine to K	32425	06-Feb-96	Y	3
Y		2892	REFCON	Reference Constant	PSIPA	Conversion from psi to pascal	32423	06-Feb-96	Y	3
Y		2892	REFCON	Reference Constant	PSIPA	Conversion from psi to pascal	32423	06-Feb-96	Y	3

CCA Parameter-Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
2837	4	CONSTANT	2.0470000E+06	2.0470000E+06	2.0470000E+06	2.0470000E+06	Pa	WPO36298	Y	N/A
2838	4	CONSTANT	7.3760000E+06	7.3760000E+06	7.3760000E+06	7.3760000E+06	Pa	VAPOR-LIQUID_ EQUILIBRIA	Y	N/A
2838	4	CONSTANT	7.3760000E+06	7.3760000E+06	7.3760000E+06	7.3760000E+06	Pa	WPO36298	Y	N/A
2839	4	CONSTANT	4.6170000E+06	4.6170000E+06	4.6170000E+06	4.6170000E+06	Pa	VAPOR-LIQUID_ EQUILIBRIA	Y	N/A
2839	4	CONSTANT	4.6170000E+06	4.6170000E+06	4.6170000E+06	4.6170000E+06	Pa	WPO36298	Y	N/A
2840	4	CONSTANT	3.3940000E+06	3.3940000E+06	3.3940000E+06	3.3940000E+06	Pa	VAPOR-LIQUID_ EQUILIBRIA	Y	N/A
2840	4	CONSTANT	3.3940000E+06	3.3940000E+06	3.3940000E+06	3.3940000E+06	Pa	WPO36298	Y	N/A
2841	4	CONSTANT	9.0070000E+06	9.0070000E+06	9.0070000E+06	9.0070000E+06	Pa	VAPOR-LIQUID_ EQUILIBRIA	Y	N/A
2841	4	CONSTANT	9.0070000E+06	9.0070000E+06	9.0070000E+06	9.0070000E+06	Pa	WPO36298	Y	N/A
2842	4	CONSTANT	5.0800000E+06	5.0800000E+06	5.0800000E+06	5.0800000E+06	Pa	VAPOR-LIQUID_ EQUILIBRIA	Y	N/A
2842	4	CONSTANT	5.0800000E+06	5.0800000E+06	5.0800000E+06	5.0800000E+06	Pa	WPO36298	Y	N/A
2858	4	CONSTANT	2.0158800E-03	2.0158800E-03	2.0158800E-03	2.0158800E-03	kg/mole	CRC-72	Y	N/A
2858	4	CONSTANT	2.0158800E-03	2.0158800E-03	2.0158800E-03	2.0158800E-03	kg/mole	WPO36298	Y	N/A
2864	4	CONSTANT	1.8015280E-02	1.8015280E-02	1.8015280E-02	1.8015200E-02	kg/mole	CRC-72	Y	N/A
2864	4	CONSTANT	1.8015280E-02	1.8015280E-02	1.8015280E-02	1.8015200E-02	kg/mole	WPO36298	Y	N/A
2865	4	CONSTANT	5.5847000E-02	5.5847000E-02	5.5847000E-02	5.5847000E-02	kg/mole	CRC-72	Y	N/A
2865	4	CONSTANT	5.5847000E-02	5.5847000E-02	5.5847000E-02	5.5847000E-02	kg/mole	WPO36298	Y	N/A
2866	4	CONSTANT	3.0026280E-02	3.0026280E-02	3.0026280E-02	3.0026280E-02	kg/mole	CRC-72	Y	N/A
2866	4	CONSTANT	3.0026280E-02	3.0026280E-02	3.0026280E-02	3.0026280E-02	kg/mole	WPO36298	Y	N/A
2879	4	CONSTANT	4.2000000E+01	4.2000000E+01	4.2000000E+01	4.2000000E+01	gal/bbl	CRC-72	Y	N/A
2879	4	CONSTANT	4.2000000E+01	4.2000000E+01	4.2000000E+01	4.2000000E+01	gal/bbl	WPO36298	Y	N/A
2880	4	CONSTANT	1.0000000E+03	1.0000000E+03	1.0000000E+03	1.0000000E+03	cP/Pa*s	CRC-72	Y	N/A
2880	4	CONSTANT	1.0000000E+03	1.0000000E+03	1.0000000E+03	1.0000000E+03	cP/Pa*s	WPO36298	Y	N/A
2881	4	CONSTANT	3.0480000E-01	3.0480000E-01	3.0480000E-01	3.0480000E-01	m/ft	NUCLIDES/ ISOTOPES	Y	N/A
2882	4	CONSTANT	9.8692330E-13	9.8692330E-13	9.8692330E-13	9.8692330E-13	m^2/darcy	NUCLIDES/ ISOTOPES	Y	N/A
2883	4	CONSTANT	2.8316850E-02	2.8316850E-02	2.8316850E-02	2.8316850E-02	m^3/ft^3	NUCLIDES/ ISOTOPES	Y	N/A
2884	4	CONSTANT	2.3100010E+02	2.3100010E+02	2.3100010E+02	2.3100010E+02	in^3/gal	NUCLIDES/ ISOTOPES	Y	N/A
2885	4	CONSTANT	4.5359240E-01	4.5359240E-01	4.5359240E-01	4.5359240E-01	kg/lb	NUCLIDES/ ISOTOPES	Y	N/A
2886	4	CONSTANT	2.2046230E+00	2.2046230E+00	2.2046230E+00	2.2046230E+00	lb/kg	NUCLIDES/ ISOTOPES	Y	N/A
2886	4	CONSTANT	2.2046230E+00	2.2046230E+00	2.2046230E+00	2.2046230E+00	lb/kg	WPO36298	Y	N/A
2887	4	CONSTANT	8.6400000E+04	8.6400000E+04	8.6400000E+04	8.6400000E+04	s/day	NUCLIDES/ ISOTOPES	Y	N/A
2887	4	CONSTANT	8.6400000E+04	8.6400000E+04	8.6400000E+04	8.6400000E+04	s/day	WPO36298	Y	N/A
2888	4	CONSTANT	3.1556930E+07	3.1556930E+07	3.1556930E+07	3.1556930E+07	s/yr	NUCLIDES/ ISOTOPES	Y	N/A
2888	4	CONSTANT	3.1556930E+07	3.1556930E+07	3.1556930E+07	3.1556930E+07	s/yr	WPO36298	Y	N/A
2889	4	CONSTANT	9.8066500E+00	9.8066500E+00	9.8066500E+00	9.8066500E+00	m/s^2	NUCLIDES/ ISOTOPES	Y	N/A
2889	4	CONSTANT	9.8066500E+00	9.8066500E+00	9.8066500E+00	9.8066500E+00	m/s^2	WPO36298	Y	N/A
2889	4	CONSTANT	9.8066500E+00	9.8066500E+00	9.8066500E+00	9.8066500E+00	m/s^2	WPO40434	Y	N/A
2890	4	CONSTANT	1.0132500E+05	1.0132500E+05	1.0132500E+05	1.0132500E+05	Pa/atm	NUCLIDES/ ISOTOPES	Y	N/A
2890	4	CONSTANT	1.0132500E+05	1.0132500E+05	1.0132500E+05	1.0132500E+05	Pa/atm	WPO36298	Y	N/A
2891	4	CONSTANT	5.5555560E-01	5.5555560E-01	5.5555560E-01	5.5555560E-01	K/rankine	NUCLIDES/ ISOTOPES	Y	N/A
2891	4	CONSTANT	5.5555560E-01	5.5555560E-01	5.5555560E-01	5.5555560E-01	K/rankine	WPO36298	Y	N/A
2892	4	CONSTANT	6.8947570E+03	6.8947570E+03	6.8947570E+03	6.8947570E+03	Pa*in^2/lb	NUCLIDES/ ISOTOPES	Y	N/A
2892	4	CONSTANT	6.8947570E+03	6.8947570E+03	6.8947570E+03	6.8947570E+03	Pa*in^2/lb	WPO36298	Y	N/A

CCA Parameter-Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 484 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		2893	REFCON	Reference Constant	R	Gas constant R	32424	06-Feb-96	Y	3
Y		2893	REFCON	Reference Constant	R	Gas constant R	32424	06-Feb-96	Y	3
Y		2894	REFCON	Reference Constant	OMEGAA	Constants for RKS EOS	32412	06-Feb-96	Y	3
Y		2894	REFCON	Reference Constant	OMEGAA	Constants for RKS EOS	32412	06-Feb-96	Y	3
Y		2895	REFCON	Reference Constant	OMEGAB	Constants for RDS EOS	32413	06-Feb-96	Y	3
Y		2895	REFCON	Reference Constant	OMEGAB	Constants for RDS EOS	32413	06-Feb-96	Y	3
Y	calc	2896	REFCON	Reference Constant	PI	Mathematical constant:PI	32422	06-Feb-96	Y	3
Y	calc	2896	REFCON	Reference Constant	PI	Mathematical constant:PI	32422	06-Feb-96	Y	3
Y	calc	2896	REFCON	Reference Constant	PI	Mathematical constant:PI	32422	06-Feb-96	Y	3
Y		2897	REFCON	Reference Constant	AL2	Log2	32357	06-Feb-96	Y	3
Y		2897	REFCON	Reference Constant	AL2	Log2	32357	06-Feb-96	Y	3
Y		2897	REFCON	Reference Constant	AL2	Log2	32357	06-Feb-96	Y	3
Y		2898	STEEL	Generic steel in waste	STOIFX	Stoichiometric factor - X	34128	06-Feb-96	Y	4A
Y		2898	STEEL	Generic steel in waste	STOIFX	Stoichiometric factor - X	34128	06-Feb-96	Y	4A
Y		2899	FORTYNIN	Forty Niner Member	PRMX_LOG	Log of intrinsic permeability, X-direction	33002	11-Feb-96	Y	4B
Y		2899	FORTYNIN	Forty Niner Member	PRMX_LOG	Log of intrinsic permeability, X-direction	33002	11-Feb-96	Y	4B
Y		2899	FORTYNIN	Forty Niner Member	PRMX_LOG	Log of intrinsic permeability, X-direction	33002	11-Feb-96	Y	4B
Y		2899	FORTYNIN	Forty Niner Member	PRMX_LOG	Log of intrinsic permeability, X-direction	33002	11-Feb-96	Y	4B
Y		2900	FORTYNIN	Forty Niner Member	PRMY_LOG	Log of intrinsic permeability, Y-direction	33008	11-Feb-96	Y	4B
Y		2900	FORTYNIN	Forty Niner Member	PRMY_LOG	Log of intrinsic permeability, Y-direction	33008	11-Feb-96	Y	4B
Y		2900	FORTYNIN	Forty Niner Member	PRMY_LOG	Log of intrinsic permeability, Y-direction	33008	11-Feb-96	Y	4B
Y		2900	FORTYNIN	Forty Niner Member	PRMY_LOG	Log of intrinsic permeability, Y-direction	33008	11-Feb-96	Y	4B
Y		2901	FORTYNIN	Forty Niner Member	PRMZ_LOG	Log of intrinsic permeability, Z-direction	33010	11-Feb-96	Y	4B
Y		2901	FORTYNIN	Forty Niner Member	PRMZ_LOG	Log of intrinsic permeability, Z-direction	33010	11-Feb-96	Y	4B
Y		2901	FORTYNIN	Forty Niner Member	PRMZ_LOG	Log of intrinsic permeability, Z-direction	33010	11-Feb-96	Y	4B
Y		2901	FORTYNIN	Forty Niner Member	PRMZ_LOG	Log of intrinsic permeability, Z-direction	33010	11-Feb-96	Y	4B
Y		2902	S_MB138	Salado marker bed 138, intact and fractured	EXPCLINK	Klinkenberg b correction parameters for H2 gas	34443A	23-Apr-96	Y	4A
Y		2902	S_MB138	Salado marker bed 138, intact and fractured	EXPCLINK	Klinkenberg b correction parameters for H2 gas	34443A	23-Apr-96	Y	4A
Y		2902	S_MB138	Salado marker bed 138, intact and fractured	EXPCLINK	Klinkenberg b correction parameters for H2 gas	34443A	23-Apr-96	Y	4A
Y		2903	S_MB139	Salado marker bed 139, intact and fractured	EXPCLINK	Klinkenberg b correction parameters for H2 gas	34789A	23-Apr-96	Y	1
Y		2903	S_MB139	Salado marker bed 139, intact and fractured	EXPCLINK	Klinkenberg b correction parameters for H2 gas	34789A	23-Apr-96	Y	1
Y		2904	S_MB138	Salado marker bed 138, intact and fractured	BKLINK	Klinkenberg B Correction Parameters for H2 gas	34429A	23-Apr-96	Y	4A
Y		2904	S_MB138	Salado marker bed 138, intact and fractured	BKLINK	Klinkenberg B Correction Parameters for H2 gas	34429A	23-Apr-96	Y	4A
Y		2904	S_MB138	Salado marker bed 138, intact and fractured	BKLINK	Klinkenberg B Correction Parameters for H2 gas	34429A	23-Apr-96	Y	4A
Y		2904	S_MB138	Salado marker bed 138, intact and fractured	BKLINK	Klinkenberg B Correction Parameters for H2 gas	34429A	23-Apr-96	Y	4A

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to quality existing data? (footnote 3)
2893	4	CONSTANT	8.3145100E+00	8.3145100E+00	8.3145100E+00	8.3145100E+00	J/mol*K	NUCLIDES/ ISOTOPES	Y	N/A
2893	4	CONSTANT	8.3145100E+00	8.3145100E+00	8.3145100E+00	8.3145100E+00	J/mol*K	WPO36298	Y	N/A
2894	4	CONSTANT	4.2747000E-01	4.2747000E-01	4.2747000E-01	4.2747000E-01	NONE	PHASE EQUILIBRIA	Y	N/A
2894	4	CONSTANT	4.2747000E-01	4.2747000E-01	4.2747000E-01	4.2747000E-01	NONE	WPO36298	Y	N/A
2895	4	CONSTANT	8.6640000E-02	8.6640000E-02	8.6640000E-02	8.6640000E-02	NONE	PHASE EQUILIBRIA	Y	N/A
2895	4	CONSTANT	8.6640000E-02	8.6640000E-02	8.6640000E-02	8.6640000E-02	NONE	WPO36298	Y	N/A
2896	4	CONSTANT	3.1415930E+00	3.1415930E+00	3.1415930E+00	3.1415930E+00	NONE	CRC-14	Y	N/A
2896	4	CONSTANT	3.1415930E+00	3.1415930E+00	3.1415930E+00	3.1415930E+00	NONE	CRC-72	Y	N/A
2896	4	CONSTANT	3.1415930E+00	3.1415930E+00	3.1415930E+00	3.1415930E+00	NONE	WPO36298	Y	N/A
2896	4	CONSTANT	3.1415930E+00	3.1415930E+00	3.1415930E+00	3.1415930E+00	NONE	WPO36298	Y	N/A
2897	4	CONSTANT	6.9314720E-01	6.9314720E-01	6.9314720E-01	6.9314720E-01	NONE	CRC-14	Y	N/A
2897	4	CONSTANT	6.9314720E-01	6.9314720E-01	6.9314720E-01	6.9314720E-01	NONE	CRC-72	Y	N/A
2897	4	CONSTANT	6.9314720E-01	6.9314720E-01	6.9314720E-01	6.9314720E-01	NONE	WPO36298	Y	N/A
2898	1,3	CONSTANT	1.0000000E+00	1.0000000E+00	1.0000000E+00	1.0000000E+00	NONE	WPO30819	Y	N/A
2898	1,3	CONSTANT	1.0000000E+00	1.0000000E+00	1.0000000E+00	1.0000000E+00	NONE	WPO35597	Y	N/A
2899	1,3	CONSTANT	-3.5000000E+01	-3.5000000E+01	-3.5000000E+01	-3.5000000E+01	log(m ²)	WPO32291	Y	N/A
2899	1,3	CONSTANT	-3.5000000E+01	-3.5000000E+01	-3.5000000E+01	-3.5000000E+01	log(m ²)	WPO35597	Y	N/A
2899	1,3	CONSTANT	-3.5000000E+01	-3.5000000E+01	-3.5000000E+01	-3.5000000E+01	log(m ²)	WPO38337	Y	N/A
2899	1,3	CONSTANT	-3.5000000E+01	-3.5000000E+01	-3.5000000E+01	-3.5000000E+01	log(m ²)	WPO40514	Y	N/A
2900	1,3	CONSTANT	-3.5000000E+01	-3.5000000E+01	-3.5000000E+01	-3.5000000E+01	log(m ²)	WPO32291	Y	N/A
2900	1,3	CONSTANT	-3.5000000E+01	-3.5000000E+01	-3.5000000E+01	-3.5000000E+01	log(m ²)	WPO35597	Y	N/A
2900	1,3	CONSTANT	-3.5000000E+01	-3.5000000E+01	-3.5000000E+01	-3.5000000E+01	log(m ²)	WPO38337	Y	N/A
2900	1,3	CONSTANT	-3.5000000E+01	-3.5000000E+01	-3.5000000E+01	-3.5000000E+01	log(m ²)	WPO40514	Y	N/A
2901	1,3	CONSTANT	-3.5000000E+01	-3.5000000E+01	-3.5000000E+01	-3.5000000E+01	log(m ²)	WPO32291	Y	N/A
2901	1,3	CONSTANT	-3.5000000E+01	-3.5000000E+01	-3.5000000E+01	-3.5000000E+01	log(m ²)	WPO35597	Y	N/A
2901	1,3	CONSTANT	-3.5000000E+01	-3.5000000E+01	-3.5000000E+01	-3.5000000E+01	log(m ²)	WPO38337	Y	N/A
2901	1,3	CONSTANT	-3.5000000E+01	-3.5000000E+01	-3.5000000E+01	-3.5000000E+01	log(m ²)	WPO40514	Y	N/A
2902	1,5	CONSTANT	-3.4100000E-01	-3.4100000E-01	-3.4100000E-01	-3.4100000E-01	NONE	WPO30642	Y	N/A
2902	1,5	CONSTANT	-3.4100000E-01	-3.4100000E-01	-3.4100000E-01	-3.4100000E-01	NONE	WPO35597	Y	N/A
2902	1,5	CONSTANT	-3.4100000E-01	-3.4100000E-01	-3.4100000E-01	-3.4100000E-01	NONE	WPO42714	Y	N/A
2903	1,5	CONSTANT	-3.4100000E-01	-3.4100000E-01	-3.4100000E-01	-3.4100000E-01	NONE	WPO30642	Y	N/A
2903	1,5	CONSTANT	-3.4100000E-01	-3.4100000E-01	-3.4100000E-01	-3.4100000E-01	NONE	WPO35597	Y	N/A
2904	1,5	CONSTANT	2.7100000E-01	2.7100000E-01	2.7100000E-01	2.7100000E-01	Pa	WPO30642	Y	N/A
2904	1,5	CONSTANT	2.7100000E-01	2.7100000E-01	2.7100000E-01	2.7100000E-01	Pa	WPO35597	Y	N/A
2904	1,5	CONSTANT	2.7100000E-01	2.7100000E-01	2.7100000E-01	2.7100000E-01	Pa	WPO38450	Y	N/A
2904	1,5	CONSTANT	2.7100000E-01	2.7100000E-01	2.7100000E-01	2.7100000E-01	Pa	WPO42714	Y	N/A

CCA Parameter-Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 484 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		2905	S_MB139	Salado marker bed 139, intact and fractured	BKLINK	Klinkenberg B Correction Parameters for H2 gas	34557A	23-Apr-96	Y	1
Y		2905	S_MB139	Salado marker bed 139, intact and fractured	BKLINK	Klinkenberg B Correction Parameters for H2 gas	34557A	23-Apr-96	Y	1
Y		2905	S_MB139	Salado marker bed 139, intact and fractured	BKLINK	Klinkenberg B Correction Parameters for H2 gas	34557A	23-Apr-96	Y	1
Y		2906	NITRATE	Nitrate	QINIT	Initial quantity of material in waste	32335	22-Feb-96	Y	2
Y		2906	NITRATE	Nitrate	QINIT	Initial quantity of material in waste	32335	22-Feb-96	Y	2
Y		2906	NITRATE	Nitrate	QINIT	Initial quantity of material in waste	32335	22-Feb-96	Y	2
Y		2907	STEEL	Generic steel in waste	CORRMC02	Inundated corrosion rate for steel without CO2 present	34357	08-Feb-96	Y	1
Y		2908	STEEL	Generic steel in waste	CORRWCO2	Inundated corrosion rate for steel with CO2 present	34358	08-Feb-96	Y	1
Y		2909	SULFATE	Sulfate	QINIT	Initial quantity of material in waste	32457	22-Feb-96	Y	2
Y		2909	SULFATE	Sulfate	QINIT	Initial quantity of material in waste	32457	22-Feb-96	Y	2
Y		2909	SULFATE	Sulfate	QINIT	Initial quantity of material in waste	32457	22-Feb-96	Y	2
Y		2910	STEEL	Generic steel in waste	HUMCORR	Humid corrosion rate for steel	34127	08-Feb-96	Y	1
Y		2910	STEEL	Generic steel in waste	HUMCORR	Humid corrosion rate for steel	34127	08-Feb-96	Y	1
Y		2911	UNNAMED	Unnamed Lower Member of Rustler Formation	PRMX_LOG	Log of intrinsic permeability, X-direction	34695	13-Feb-96	Y	4B
Y		2911	UNNAMED	Unnamed Lower Member of Rustler Formation	PRMX_LOG	Log of intrinsic permeability, X-direction	34695	13-Feb-96	Y	4B
Y		2911	UNNAMED	Unnamed Lower Member of Rustler Formation	PRMX_LOG	Log of intrinsic permeability, X-direction	34695	13-Feb-96	Y	4B
Y		2911	UNNAMED	Unnamed Lower Member of Rustler Formation	PRMX_LOG	Log of intrinsic permeability, X-direction	34695	13-Feb-96	Y	4B
Y		2912	UNNAMED	Unnamed Lower Member of Rustler Formation	PRMY_LOG	Log of intrinsic permeability, Y-direction	34697	13-Feb-96	Y	4B
Y		2912	UNNAMED	Unnamed Lower Member of Rustler Formation	PRMY_LOG	Log of intrinsic permeability, Y-direction	34697	13-Feb-96	Y	4B
Y		2912	UNNAMED	Unnamed Lower Member of Rustler Formation	PRMY_LOG	Log of intrinsic permeability, Y-direction	34697	13-Feb-96	Y	4B
Y		2912	UNNAMED	Unnamed Lower Member of Rustler Formation	PRMY_LOG	Log of intrinsic permeability, Y-direction	34697	13-Feb-96	Y	4B
Y		2913	UNNAMED	Unnamed Lower Member of Rustler Formation	PRMZ_LOG	Log of intrinsic permeability, Z-direction	34699	13-Feb-96	Y	4B
Y		2913	UNNAMED	Unnamed Lower Member of Rustler Formation	PRMZ_LOG	Log of intrinsic permeability, Z-direction	34699	13-Feb-96	Y	4B
Y		2913	UNNAMED	Unnamed Lower Member of Rustler Formation	PRMZ_LOG	Log of intrinsic permeability, Z-direction	34699	13-Feb-96	Y	4B
Y		2913	UNNAMED	Unnamed Lower Member of Rustler Formation	PRMZ_LOG	Log of intrinsic permeability, Z-direction	34699	13-Feb-96	Y	4B
Y		2914	TAMARISK	Tamarisk Member	PRMX_LOG	Log of intrinsic permeability, X-direction	34580	13-Feb-96	Y	4B
Y		2914	TAMARISK	Tamarisk Member	PRMX_LOG	Log of intrinsic permeability, X-direction	34580	13-Feb-96	Y	4B
Y		2914	TAMARISK	Tamarisk Member	PRMX_LOG	Log of intrinsic permeability, X-direction	34580	13-Feb-96	Y	4B
Y		2915	TAMARISK	Tamarisk Member	PRMY_LOG	Log of intrinsic permeability, Y-direction	34583	13-Feb-96	Y	4B

CCA-Parameter-Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to quality existing data? (footnote 3)
2905	1,5	CONSTANT	2.7100000E-01	2.7100000E-01	2.7100000E-01	2.7100000E-01	Pa	WPO30642	Y	N/A
2905	1,5	CONSTANT	2.7100000E-01	2.7100000E-01	2.7100000E-01	2.7100000E-01	Pa	WPO35597	Y	N/A
2905	1,5	CONSTANT	2.7100000E-01	2.7100000E-01	2.7100000E-01	2.7100000E-01	Pa	WPO38450	Y	N/A
2906	2	CONSTANT	2.6100000E+07	2.6100000E+07	2.6100000E+07	2.6100000E+07	moles	WPO30819	Y	N/A
2906	2	CONSTANT	2.6100000E+07	2.6100000E+07	2.6100000E+07	2.6100000E+07	moles	WPO31379	Y	N/A
2906	2	CONSTANT	2.6100000E+07	2.6100000E+07	2.6100000E+07	2.6100000E+07	moles	WPO36048	Y	N/A
2907	1	UNIFORM	7.9370000E-15	7.9370000E-15	0.0000000E+00	1.5870000E-14	m/s	WPO30819	Y	4
2908	1	UNIFORM	1.0318000E-13	1.0318000E-13	0.0000000E+00	2.0635000E-13	m/s	WPO30819	Y	4
2909	2	CONSTANT	6.5900000E+06	6.5900000E+06	6.5900000E+06	6.5900000E+06	moles	WPO30819	Y	N/A
2909	2	CONSTANT	6.5900000E+06	6.5900000E+06	6.5900000E+06	6.5900000E+06	moles	WPO31379	Y	N/A
2909	2	CONSTANT	6.5900000E+06	6.5900000E+06	6.5900000E+06	6.5900000E+06	moles	WPO36048	Y	N/A
2910	1	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0.0000000E+00	m/s	WPO30819	Y	4
2910	1	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0.0000000E+00	m/s	WPO35597	Y	4
2911	1,3	CONSTANT	-3.5000000E+01	-3.5000000E+01	-3.5000000E+01	-3.5000000E+01	log(m^2)	WPO32291	Y	N/A
2911	1,3	CONSTANT	-3.5000000E+01	-3.5000000E+01	-3.5000000E+01	-3.5000000E+01	log(m^2)	WPO35597	Y	N/A
2911	1,3	CONSTANT	-3.5000000E+01	-3.5000000E+01	-3.5000000E+01	-3.5000000E+01	log(m^2)	WPO38337	Y	N/A
2911	1,3	CONSTANT	-3.5000000E+01	-3.5000000E+01	-3.5000000E+01	-3.5000000E+01	log(m^2)	WPO40514	Y	N/A
2912	1,3	CONSTANT	-3.5000000E+01	-3.5000000E+01	-3.5000000E+01	-3.5000000E+01	log(m^2)	WPO32291	Y	N/A
2912	1,3	CONSTANT	-3.5000000E+01	-3.5000000E+01	-3.5000000E+01	-3.5000000E+01	log(m^2)	WPO35597	Y	N/A
2912	1,3	CONSTANT	-3.5000000E+01	-3.5000000E+01	-3.5000000E+01	-3.5000000E+01	log(m^2)	WPO38337	Y	N/A
2912	1,3	CONSTANT	-3.5000000E+01	-3.5000000E+01	-3.5000000E+01	-3.5000000E+01	log(m^2)	WPO40514	Y	N/A
2913	1,3	CONSTANT	-3.5000000E+01	-3.5000000E+01	-3.5000000E+01	-3.5000000E+01	log(m^2)	WPO32291	Y	N/A
2913	1,3	CONSTANT	-3.5000000E+01	-3.5000000E+01	-3.5000000E+01	-3.5000000E+01	log(m^2)	WPO35597	Y	N/A
2913	1,3	CONSTANT	-3.5000000E+01	-3.5000000E+01	-3.5000000E+01	-3.5000000E+01	log(m^2)	WPO38337	Y	N/A
2913	1,3	CONSTANT	-3.5000000E+01	-3.5000000E+01	-3.5000000E+01	-3.5000000E+01	log(m^2)	WPO40514	Y	N/A
2914	1,3	CONSTANT	-3.5000000E+01	-3.5000000E+01	-3.5000000E+01	-3.5000000E+01	log(m^2)	WPO32291	Y	N/A
2914	1,3	CONSTANT	-3.5000000E+01	-3.5000000E+01	-3.5000000E+01	-3.5000000E+01	log(m^2)	WPO35597	Y	N/A
2914	1,3	CONSTANT	-3.5000000E+01	-3.5000000E+01	-3.5000000E+01	-3.5000000E+01	log(m^2)	WPO40514	Y	N/A
2915	1,3	CONSTANT	-3.5000000E+01	-3.5000000E+01	-3.5000000E+01	-3.5000000E+01	log(m^2)	WPO32291	Y	N/A

CCA Parameter-Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 484 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		2915	TAMARISK	Tamarisk Member	PRMY_LOG	Log of intrinsic permeability, Y-direction	34583	13-Feb-96	Y	4B
Y		2915	TAMARISK	Tamarisk Member	PRMY_LOG	Log of intrinsic permeability, Y-direction	34583	13-Feb-96	Y	4B
Y		2915	TAMARISK	Tamarisk Member	PRMY_LOG	Log of intrinsic permeability, Y-direction	34583	13-Feb-96	Y	4B
Y		2916	TAMARISK	Tamarisk Member	PRMZ_LOG	Log of intrinsic permeability, Z-direction	34586	16-Feb-96	Y	4B
Y		2916	TAMARISK	Tamarisk Member	PRMZ_LOG	Log of intrinsic permeability, Z-direction	34586	16-Feb-96	Y	4B
Y		2916	TAMARISK	Tamarisk Member	PRMZ_LOG	Log of intrinsic permeability, Z-direction	34586	16-Feb-96	Y	4B
Y		2916	TAMARISK	Tamarisk Member	PRMZ_LOG	Log of intrinsic permeability, Z-direction	34586	16-Feb-96	Y	4B
Y		2916	TAMARISK	Tamarisk Member	PRMZ_LOG	Log of intrinsic permeability, Z-direction	34586	16-Feb-96	Y	4B
Y		2918	CASTILER	Castile Brine Reservoir	VOLUME	Total Reservoir Volume	31625A	20-Mar-96	Y	1
Y		2918	CASTILER	Castile Brine Reservoir	VOLUME	Total Reservoir Volume	31625A	20-Mar-96	Y	1
Y		2919	CL_M_T4	Upper Salado clay:50 to 100 years	RSH_AIR	Air-supply shaft radius (3.09 m)	32212A	13-Feb-96	Y	4B
Y		2919	CL_M_T4	Upper Salado clay:50 to 100 years	RSH_AIR	Air-supply shaft radius (3.09 m)	32212A	13-Feb-96	Y	4B
Y		2919	CL_M_T4	Upper Salado clay:50 to 100 years	RSH_AIR	Air-supply shaft radius (3.09 m)	32212A	13-Feb-96	Y	4B
Y		2919	CL_M_T4	Upper Salado clay:50 to 100 years	RSH_AIR	Air-supply shaft radius (3.09 m)	32212A	13-Feb-96	Y	4B
Y		2920	CL_M_T4	Upper Salado clay:50 to 100 years	RSH_SAL	Salt-handling shaft radius (1.8 m)	32214A	13-Feb-96	Y	4B
Y		2920	CL_M_T4	Upper Salado clay:50 to 100 years	RSH_SAL	Salt-handling shaft radius (1.8 m)	32214A	13-Feb-96	Y	4B
Y		2920	CL_M_T4	Upper Salado clay:50 to 100 years	RSH_SAL	Salt-handling shaft radius (1.8 m)	32214A	13-Feb-96	Y	4B
Y		2920	CL_M_T4	Upper Salado clay:50 to 100 years	RSH_SAL	Salt-handling shaft radius (1.8 m)	32214A	13-Feb-96	Y	4B
Y		2920	CL_M_T4	Upper Salado clay:50 to 100 years	RSH_SAL	Salt-handling shaft radius (1.8 m)	32214A	13-Feb-96	Y	4B
Y		2921	CL_M_T4	Upper Salado clay:50 to 100 years	RSH_WAS	Waste-handling shaft radius (3.5 m)	32215A	13-Feb-96	Y	4B
Y		2921	CL_M_T4	Upper Salado clay:50 to 100 years	RSH_WAS	Waste-handling shaft radius (3.5 m)	32215A	13-Feb-96	Y	4B
Y		2921	CL_M_T4	Upper Salado clay:50 to 100 years	RSH_WAS	Waste-handling shaft radius (3.5 m)	32215A	13-Feb-96	Y	4B
Y		2921	CL_M_T4	Upper Salado clay:50 to 100 years	RSH_WAS	Waste-handling shaft radius (3.5 m)	32215A	13-Feb-96	Y	4B
Y		2922	CL_M_T4	Upper Salado clay:50 to 100 years	RSH_EXH	Air-exhaust shaft radius (2.3 m)	32213A	13-Feb-96	Y	4B
Y		2922	CL_M_T4	Upper Salado clay:50 to 100 years	RSH_EXH	Air-exhaust shaft radius (2.3 m)	32213A	13-Feb-96	Y	4B
Y		2922	CL_M_T4	Upper Salado clay:50 to 100 years	RSH_EXH	Air-exhaust shaft radius (2.3 m)	32213A	13-Feb-96	Y	4B
Y		2922	CL_M_T4	Upper Salado clay:50 to 100 years	RSH_EXH	Air-exhaust shaft radius (2.3 m)	32213A	13-Feb-96	-Y	4B
Y		2923	CL_M_T4	Upper Salado clay:50 to 100 years	RADN_DRZ	DRZ outer radius at each shaft	32207	13-Feb-96	Y	1
Y		2923	CL_M_T4	Upper Salado clay:50 to 100 years	RADN_DRZ	DRZ outer radius at each shaft	32207	13-Feb-96	Y	1
Y		2923	CL_M_T4	Upper Salado clay:50 to 100 years	RADN_DRZ	DRZ outer radius at each shaft	32207	13-Feb-96	Y	1
Y		2924	CL_M_T5	Upper Salado clay:100 to 10K years	RSH_AIR	Air-supply shaft radius (3.09 m)	32249A	13-Feb-96	Y	4B
Y		2924	CL_M_T5	Upper Salado clay:100 to 10K years	RSH_AIR	Air-supply shaft radius (3.09 m)	32249A	13-Feb-96	Y	4B
Y		2924	CL_M_T5	Upper Salado clay:100 to 10K years	RSH_AIR	Air-supply shaft radius (3.09 m)	32249A	13-Feb-96	Y	4B
Y		2924	CL_M_T5	Upper Salado clay:100 to 10K years	RSH_AIR	Air-supply shaft radius (3.09 m)	32249A	13-Feb-96	Y	4B
Y		2925	CL_M_T5	Upper Salado clay:100 to 10K years	RSH_SAL	Salt-handling shaft radius (1.8 m)	32251A	13-Feb-96	Y	4B
Y		2925	CL_M_T5	Upper Salado clay:100 to 10K years	RSH_SAL	Salt-handling shaft radius (1.8 m)	32251A	13-Feb-96	Y	4B
Y		2925	CL_M_T5	Upper Salado clay:100 to 10K years	RSH_SAL	Salt-handling shaft radius (1.8 m)	32251A	13-Feb-96	Y	4B
Y		2925	CL_M_T5	Upper Salado clay:100 to 10K years	RSH_SAL	Salt-handling shaft radius (1.8 m)	32251A	13-Feb-96	Y	4B

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to quality existing data? (footnote 3)
2915	1,3	CONSTANT	-3.500000E+01	-3.500000E+01	-3.500000E+01	-3.500000E+01	log(m^2)	WPO35597	Y	N/A
2915	1,3	CONSTANT	-3.500000E+01	-3.500000E+01	-3.500000E+01	-3.500000E+01	log(m^2)	WPO38337	Y	N/A
2915	1,3	CONSTANT	-3.500000E+01	-3.500000E+01	-3.500000E+01	-3.500000E+01	log(m^2)	WPO40514	Y	N/A
2916	1,3	CONSTANT	-3.500000E+01	-3.500000E+01	-3.500000E+01	-3.500000E+01	log(m^2)	WPO32291	Y	N/A
2916	1,3	CONSTANT	-3.500000E+01	-3.500000E+01	-3.500000E+01	-3.500000E+01	log(m^2)	WPO35597	Y	N/A
2916	1,3	CONSTANT	-3.500000E+01	-3.500000E+01	-3.500000E+01	-3.500000E+01	log(m^2)	WPO38337	Y	N/A
2916	1,3	CONSTANT	-3.500000E+01	-3.500000E+01	-3.500000E+01	-3.500000E+01	log(m^2)	WPO40514	Y	N/A
2918	3,5	CONSTANT	4.000000E+06	4.000000E+06	4.000000E+06	4.000000E+06	m^3	WPO31082	N	1
2918	3,5	CONSTANT	4.000000E+06	4.000000E+06	4.000000E+06	4.000000E+06	m^3	WPO35597	N	1
2919	1,3	CONSTANT	3.090000E+00	3.090000E+00	3.090000E+00	3.090000E+00	m	WPO30640	Y	N/A
2919	1,3	CONSTANT	3.090000E+00	3.090000E+00	3.090000E+00	3.090000E+00	m	WPO30994	Y	N/A
2919	1,3	CONSTANT	3.090000E+00	3.090000E+00	3.090000E+00	3.090000E+00	m	WPO35597	Y	N/A
2919	1,3	CONSTANT	3.090000E+00	3.090000E+00	3.090000E+00	3.090000E+00	m	WPO40514	Y	N/A
2920	1,3	CONSTANT	1.800000E+00	1.800000E+00	1.800000E+00	1.800000E+00	m	WPO30640	Y	N/A
2920	1,3	CONSTANT	1.800000E+00	1.800000E+00	1.800000E+00	1.800000E+00	m	WPO30994	Y	N/A
2920	1,3	CONSTANT	1.800000E+00	1.800000E+00	1.800000E+00	1.800000E+00	m	WPO35597	Y	N/A
2920	1,3	CONSTANT	1.800000E+00	1.800000E+00	1.800000E+00	1.800000E+00	m	WPO40514	Y	N/A
2921	1,3	CONSTANT	3.500000E+00	3.500000E+00	3.500000E+00	3.500000E+00	m	WPO30640	Y	N/A
2921	1,3	CONSTANT	3.500000E+00	3.500000E+00	3.500000E+00	3.500000E+00	m	WPO30994	Y	N/A
2921	1,3	CONSTANT	3.500000E+00	3.500000E+00	3.500000E+00	3.500000E+00	m	WPO35597	Y	N/A
2921	1,3	CONSTANT	3.500000E+00	3.500000E+00	3.500000E+00	3.500000E+00	m	WPO40514	Y	N/A
2922	1,3	CONSTANT	2.300000E+00	2.300000E+00	2.300000E+00	2.300000E+00	m	WPO30640	Y	N/A
2922	1,3	CONSTANT	2.300000E+00	2.300000E+00	2.300000E+00	2.300000E+00	m	WPO30994	Y	N/A
2922	1,3	CONSTANT	2.300000E+00	2.300000E+00	2.300000E+00	2.300000E+00	m	WPO35597	Y	N/A
2922	1,3	CONSTANT	2.300000E+00	2.300000E+00	2.300000E+00	2.300000E+00	m	WPO40514	-Y	N/A
2923	1,3,4	CONSTANT	1.107000E+00	1.107000E+00	1.107000E+00	1.107000E+00	m/m	WPO30640	Y	N/A
2923	1,3,4	CONSTANT	1.107000E+00	1.107000E+00	1.107000E+00	1.107000E+00	m/m	WPO30994	Y	N/A
2923	1,3,4	CONSTANT	1.107000E+00	1.107000E+00	1.107000E+00	1.107000E+00	m/m	WPO35597	Y	N/A
2924	1,3	CONSTANT	3.090000E+00	3.090000E+00	3.090000E+00	3.090000E+00	m	WPO30640	Y	N/A
2924	1,3	CONSTANT	3.090000E+00	3.090000E+00	3.090000E+00	3.090000E+00	m	WPO30994	Y	N/A
2924	1,3	CONSTANT	3.090000E+00	3.090000E+00	3.090000E+00	3.090000E+00	m	WPO35597	Y	N/A
2924	1,3	CONSTANT	3.090000E+00	3.090000E+00	3.090000E+00	3.090000E+00	m	WPO40514	Y	N/A
2925	1,3	CONSTANT	1.800000E+00	1.800000E+00	1.800000E+00	1.800000E+00	m	WPO30640	Y	N/A
2925	1,3	CONSTANT	1.800000E+00	1.800000E+00	1.800000E+00	1.800000E+00	m	WPO30994	Y	N/A
2925	1,3	CONSTANT	1.800000E+00	1.800000E+00	1.800000E+00	1.800000E+00	m	WPO35597	Y	N/A
2925	1,3	CONSTANT	1.800000E+00	1.800000E+00	1.800000E+00	1.800000E+00	m	WPO40514	Y	N/A

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 464 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		2926	CL_M_T5	Upper Salado clay:100 to 10K years	RSH_WAS	Waste-handling shaft radius (3.5 m)	32252A	13-Feb-96	Y	4B
Y		2926	CL_M_T5	Upper Salado clay:100 to 10K years	RSH_WAS	Waste-handling shaft radius (3.5 m)	32252A	13-Feb-96	Y	4B
Y		2926	CL_M_T5	Upper Salado clay:100 to 10K years	RSH_WAS	Waste-handling shaft radius (3.5 m)	32252A	13-Feb-96	Y	4B
Y		2926	CL_M_T5	Upper Salado clay:100 to 10K years	RSH_WAS	Waste-handling shaft radius (3.5 m)	32252A	13-Feb-96	Y	4B
Y		2927	CL_M_T5	Upper Salado clay:100 to 10K years	RSH_EXH	Air-exhaust shaft radius (2.3 m)	32250A	13-Feb-96	Y	4B
Y		2927	CL_M_T5	Upper Salado clay:100 to 10K years	RSH_EXH	Air-exhaust shaft radius (2.3 m)	32250A	13-Feb-96	Y	4B
Y		2927	CL_M_T5	Upper Salado clay:100 to 10K years	RSH_EXH	Air-exhaust shaft radius (2.3 m)	32250A	13-Feb-96	Y	4B
Y		2927	CL_M_T5	Upper Salado clay:100 to 10K years	RSH_EXH	Air-exhaust shaft radius (2.3 m)	32250A	13-Feb-96	Y	4B
Y		2928	CL_M_T5	Upper Salado clay:100 to 10K years	RADN_DRZ	DRZ outer radius at each shaft	32245	13-Feb-96	Y	1
Y		2928	CL_M_T5	Upper Salado clay:100 to 10K years	RADN_DRZ	DRZ outer radius at each shaft	32245	13-Feb-96	Y	1
Y		2928	CL_M_T5	Upper Salado clay:100 to 10K years	RADN_DRZ	DRZ outer radius at each shaft	32245	13-Feb-96	Y	1
Y		2929	ASPHALT	Asphalt column	RSH_AIR	Air-supply shaft radius (3.09 m)	31399A	13-Feb-96	Y	4B
Y		2929	ASPHALT	Asphalt column	RSH_AIR	Air-supply shaft radius (3.09 m)	31399A	13-Feb-96	Y	4B
Y		2929	ASPHALT	Asphalt column	RSH_AIR	Air-supply shaft radius (3.09 m)	31399A	13-Feb-96	Y	4B
Y		2929	ASPHALT	Asphalt column	RSH_AIR	Air-supply shaft radius (3.09 m)	31399A	13-Feb-96	Y	4B
Y		2930	ASPHALT	Asphalt column	RSH_SAL	Salt-handling shaft radius (1.8 m)	31401A	13-Feb-96	Y	4B
Y		2930	ASPHALT	Asphalt column	RSH_SAL	Salt-handling shaft radius (1.8 m)	31401A	13-Feb-96	Y	4B
Y		2930	ASPHALT	Asphalt column	RSH_SAL	Salt-handling shaft radius (1.8 m)	31401A	13-Feb-96	Y	4B
Y		2930	ASPHALT	Asphalt column	RSH_SAL	Salt-handling shaft radius (1.8 m)	31401A	13-Feb-96	Y	4B
Y		2931	ASPHALT	Asphalt column	RSH_WAS	Waste-handling shaft radius (3.5 m)	31402A	13-Feb-96	Y	4B
Y		2931	ASPHALT	Asphalt column	RSH_WAS	Waste-handling shaft radius (3.5 m)	31402A	13-Feb-96	Y	4B
Y		2931	ASPHALT	Asphalt column	RSH_WAS	Waste-handling shaft radius (3.5 m)	31402A	13-Feb-96	Y	4B
Y		2931	ASPHALT	Asphalt column	RSH_WAS	Waste-handling shaft radius (3.5 m)	31402A	13-Feb-96	Y	4B
Y		2932	ASPHALT	Asphalt column	RSH_EXH	Air-exhaust shaft radius (2.3 m)	31400A	13-Feb-96	Y	4B
Y		2932	ASPHALT	Asphalt column	RSH_EXH	Air-exhaust shaft radius (2.3 m)	31400A	13-Feb-96	-Y	4B
Y		2932	ASPHALT	Asphalt column	RSH_EXH	Air-exhaust shaft radius (2.3 m)	31400A	13-Feb-96	Y	4B
Y		2932	ASPHALT	Asphalt column	RSH_EXH	Air-exhaust shaft radius (2.3 m)	31400A	13-Feb-96	Y	4B
Y		2933	ASPHALT	Asphalt column	RADN_DRZ	DRZ outer radius at each shaft	31395	13-Feb-96	Y	1
Y		2933	ASPHALT	Asphalt column	RADN_DRZ	DRZ outer radius at each shaft	31395	13-Feb-96	Y	1
Y		2933	ASPHALT	Asphalt column	RADN_DRZ	DRZ outer radius at each shaft	31395	13-Feb-96	Y	1
Y		2934	SALT_T1	Shaft salt column compacted:time 0 to 10 years	RSH_AIR	Air-supply shaft radius (3.09 m)	33407A	13-Feb-96	Y	4B
Y		2934	SALT_T1	Shaft salt column compacted:time 0 to 10 years	RSH_AIR	Air-supply shaft radius (3.09 m)	33407A	13-Feb-96	Y	4B
Y		2934	SALT_T1	Shaft salt column compacted:time 0 to 10 years	RSH_AIR	Air-supply shaft radius (3.09 m)	33407A	13-Feb-96	Y	4B
Y		2934	SALT_T1	Shaft salt column compacted:time 0 to 10 years	RSH_AIR	Air-supply shaft radius (3.09 m)	33407A	13-Feb-96	Y	4B
Y		2935	SALT_T1	Shaft salt column compacted:time 0 to 10 years	RSH_SAL	Salt-handling shaft radius (1.8 m)	33411A	13-Feb-96	Y	4B

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
2926	1,3	CONSTANT	3.500000E+00	3.500000E+00	3.500000E+00	3.500000E+00	m	WPO30640	Y	N/A
2926	1,3	CONSTANT	3.500000E+00	3.500000E+00	3.500000E+00	3.500000E+00	m	WPO30994	Y	N/A
2926	1,3	CONSTANT	3.500000E+00	3.500000E+00	3.500000E+00	3.500000E+00	m	WPO35597	Y	N/A
2926	1,3	CONSTANT	3.500000E+00	3.500000E+00	3.500000E+00	3.500000E+00	m	WPO40514	Y	N/A
2927	1,3	CONSTANT	2.300000E+00	2.300000E+00	2.300000E+00	2.300000E+00	m	WPO30640	Y	N/A
2927	1,3	CONSTANT	2.300000E+00	2.300000E+00	2.300000E+00	2.300000E+00	m	WPO30994	Y	N/A
2927	1,3	CONSTANT	2.300000E+00	2.300000E+00	2.300000E+00	2.300000E+00	m	WPO35597	Y	N/A
2927	1,3	CONSTANT	2.300000E+00	2.300000E+00	2.300000E+00	2.300000E+00	m	WPO40514	Y	N/A
2928	1,3,4	CONSTANT	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	m/m	WPO30640	Y	N/A
2928	1,3,4	CONSTANT	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	m/m	WPO30994	Y	N/A
2928	1,3,4	CONSTANT	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	m/m	WPO35597	Y	N/A
2929	1,3	CONSTANT	3.090000E+00	3.090000E+00	3.090000E+00	3.090000E+00	m	WPO30640	Y	N/A
2929	1,3	CONSTANT	3.090000E+00	3.090000E+00	3.090000E+00	3.090000E+00	m	WPO30994	Y	N/A
2929	1,3	CONSTANT	3.090000E+00	3.090000E+00	3.090000E+00	3.090000E+00	m	WPO35597	Y	N/A
2929	1,3	CONSTANT	3.090000E+00	3.090000E+00	3.090000E+00	3.090000E+00	m	WPO40514	Y	N/A
2930	1,3	CONSTANT	1.800000E+00	1.800000E+00	1.800000E+00	1.800000E+00	m	WPO30640	Y	N/A
2930	1,3	CONSTANT	1.800000E+00	1.800000E+00	1.800000E+00	1.800000E+00	m	WPO30994	Y	N/A
2930	1,3	CONSTANT	1.800000E+00	1.800000E+00	1.800000E+00	1.800000E+00	m	WPO35597	Y	N/A
2930	1,3	CONSTANT	1.800000E+00	1.800000E+00	1.800000E+00	1.800000E+00	m	WPO40514	Y	N/A
2931	1,3	CONSTANT	3.500000E+00	3.500000E+00	3.500000E+00	3.500000E+00	m	WPO30640	Y	N/A
2931	1,3	CONSTANT	3.500000E+00	3.500000E+00	3.500000E+00	3.500000E+00	m	WPO30994	Y	N/A
2931	1,3	CONSTANT	3.500000E+00	3.500000E+00	3.500000E+00	3.500000E+00	m	WPO35597	Y	N/A
2931	1,3	CONSTANT	3.500000E+00	3.500000E+00	3.500000E+00	3.500000E+00	m	WPO40514	Y	N/A
2932	1,3	CONSTANT	2.300000E+00	2.300000E+00	2.300000E+00	2.300000E+00	m	WPO30640	Y	N/A
2932	1,3	CONSTANT	2.300000E+00	2.300000E+00	2.300000E+00	2.300000E+00	m	WPO30994	-Y	N/A
2932	1,3	CONSTANT	2.300000E+00	2.300000E+00	2.300000E+00	2.300000E+00	m	WPO35597	Y	N/A
2932	1,3	CONSTANT	2.300000E+00	2.300000E+00	2.300000E+00	2.300000E+00	m	WPO40514	Y	N/A
2933	1,3,4	CONSTANT	1.629000E+00	1.629000E+00	1.629000E+00	1.629000E+00	m/m	WPO30640	Y	N/A
2933	1,3,4	CONSTANT	1.629000E+00	1.629000E+00	1.629000E+00	1.629000E+00	m/m	WPO30994	Y	N/A
2933	1,3,4	CONSTANT	1.629000E+00	1.629000E+00	1.629000E+00	1.629000E+00	m/m	WPO35597	Y	N/A
2934	1,3	CONSTANT	3.090000E+00	3.090000E+00	3.090000E+00	3.090000E+00	m	WPO30640	Y	N/A
2934	1,3	CONSTANT	3.090000E+00	3.090000E+00	3.090000E+00	3.090000E+00	m	WPO30994	Y	N/A
2934	1,3	CONSTANT	3.090000E+00	3.090000E+00	3.090000E+00	3.090000E+00	m	WPO35597	Y	N/A
2934	1,3	CONSTANT	3.090000E+00	3.090000E+00	3.090000E+00	3.090000E+00	m	WPO40514	Y	N/A
2935	1,3	CONSTANT	1.800000E+00	1.800000E+00	1.800000E+00	1.800000E+00	m	WPO30640	Y	N/A

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 454 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		2935	SALT_T1	Shaft salt column compacted:time 0 to 10 years	RSH_SAL	Salt-handling shaft radius (1.8 m)	33411A	13-Feb-96	Y	4B
Y		2935	SALT_T1	Shaft salt column compacted:time 0 to 10 years	RSH_SAL	Salt-handling shaft radius (1.8 m)	33411A	13-Feb-96	Y	4B
Y		2935	SALT_T1	Shaft salt column compacted:time 0 to 10 years	RSH_SAL	Salt-handling shaft radius (1.8 m)	33411A	13-Feb-96	Y	4B
Y		2936	SALT_T1	Shaft salt column compacted:time 0 to 10 years	RSH_WAS	Waste-handling shaft radius (3.5 m)	33413A	13-Feb-96	Y	4B
Y		2936	SALT_T1	Shaft salt column compacted:time 0 to 10 years	RSH_WAS	Waste-handling shaft radius (3.5 m)	33413A	13-Feb-96	Y	4B
Y		2936	SALT_T1	Shaft salt column compacted:time 0 to 10 years	RSH_WAS	Waste-handling shaft radius (3.5 m)	33413A	13-Feb-96	Y	4B
Y		2936	SALT_T1	Shaft salt column compacted:time 0 to 10 years	RSH_WAS	Waste-handling shaft radius (3.5 m)	33413A	13-Feb-96	Y	4B
Y		2937	SALT_T1	Shaft salt column compacted:time 0 to 10 years	RSH_EXH	Air-exhaust shaft radius (2.3 m)	33410A	13-Feb-96	Y	4B
Y		2937	SALT_T1	Shaft salt column compacted:time 0 to 10 years	RSH_EXH	Air-exhaust shaft radius (2.3 m)	33410A	13-Feb-96	Y	4B
Y		2937	SALT_T1	Shaft salt column compacted:time 0 to 10 years	RSH_EXH	Air-exhaust shaft radius (2.3 m)	33410A	13-Feb-96	Y	4B
Y		2937	SALT_T1	Shaft salt column compacted:time 0 to 10 years	RSH_EXH	Air-exhaust shaft radius (2.3 m)	33410A	13-Feb-96	Y	4B
Y		2938	SALT_T1	Shaft salt column compacted:time 0 to 10 years	RADN_DRZ	DRZ outer radius at each shaft	33401	13-Feb-96	Y	1
Y		2938	SALT_T1	Shaft salt column compacted:time 0 to 10 years	RADN_DRZ	DRZ outer radius at each shaft	33401	13-Feb-96	Y	1
Y		2938	SALT_T1	Shaft salt column compacted:time 0 to 10 years	RADN_DRZ	DRZ outer radius at each shaft	33401	13-Feb-96	Y	1
Y		2939	SALT_T1	Shaft salt column compacted:time 0 to 10 years	CUMPROB	Cumulative Probability	33361	13-Feb-96	Y	4B
Y		2939	SALT_T1	Shaft salt column compacted:time 0 to 10 years	CUMPROB	Cumulative Probability	33361	13-Feb-96	Y	4B
Y		2939	SALT_T1	Shaft salt column compacted:time 0 to 10 years	CUMPROB	Cumulative Probability	33361	13-Feb-96	Y	4B
Y		2939	SALT_T1	Shaft salt column compacted:time 0 to 10 years	CUMPROB	Cumulative Probability	33361	13-Feb-96	Y	4B
Y		2939	SALT_T1	Shaft salt column compacted:time 0 to 10 years	CUMPROB	Cumulative Probability	33361	13-Feb-96	Y	4B
Y		2939	SALT_T1	Shaft salt column compacted:time 0 to 10 years	CUMPROB	Cumulative Probability	33361	13-Feb-96	Y	4B
Y	varies	2940	SALT_T1	Shaft salt column compacted:time 0 to 10 years	PMLT_MD	Log triangular distribution mode for permeability	33378	13-Feb-96	Y	1
Y	varies	2940	SALT_T1	Shaft salt column compacted:time 0 to 10 years	PMLT_MD	Log triangular distribution mode for permeability	33378	13-Feb-96	Y	1
Y	varies	2940	SALT_T1	Shaft salt column compacted:time 0 to 10 years	PMLT_MD	Log triangular distribution mode for permeability	33378	13-Feb-96	Y	1
Y	varies	2941	SALT_T1	Shaft salt column compacted:time 0 to 10 years	PMLT_LO	Log triangular distribution low value for permeability	33377	13-Feb-96	Y	1

CCA Parameter-Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
2935	1,3	CONSTANT	1.800000E+00	1.800000E+00	1.800000E+00	1.800000E+00	m	WPO30994	Y	N/A
2935	1,3	CONSTANT	1.800000E+00	1.800000E+00	1.800000E+00	1.800000E+00	m	WPO35597	Y	N/A
2935	1,3	CONSTANT	1.800000E+00	1.800000E+00	1.800000E+00	1.800000E+00	m	WPO40514	Y	N/A
2936	1,3	CONSTANT	3.500000E+00	3.500000E+00	3.500000E+00	3.500000E+00	m	WPO30640	Y	N/A
2936	1,3	CONSTANT	3.500000E+00	3.500000E+00	3.500000E+00	3.500000E+00	m	WPO30994	Y	N/A
2936	1,3	CONSTANT	3.500000E+00	3.500000E+00	3.500000E+00	3.500000E+00	m	WPO35597	Y	N/A
2936	1,3	CONSTANT	3.500000E+00	3.500000E+00	3.500000E+00	3.500000E+00	m	WPO40514	Y	N/A
2937	1,3	CONSTANT	2.300000E+00	2.300000E+00	2.300000E+00	2.300000E+00	m	WPO30640	Y	N/A
2937	1,3	CONSTANT	2.300000E+00	2.300000E+00	2.300000E+00	2.300000E+00	m	WPO30994	Y	N/A
2937	1,3	CONSTANT	2.300000E+00	2.300000E+00	2.300000E+00	2.300000E+00	m	WPO35597	Y	N/A
2937	1,3	CONSTANT	2.300000E+00	2.300000E+00	2.300000E+00	2.300000E+00	m	WPO40514	Y	N/A
2938	1,3,4	CONSTANT	1.814000E+00	1.814000E+00	1.814000E+00	1.814000E+00	m/m	WPO30640	Y	N/A
2938	1,3,4	CONSTANT	1.814000E+00	1.814000E+00	1.814000E+00	1.814000E+00	m/m	WPO30994	Y	N/A
2938	1,3,4	CONSTANT	1.814000E+00	1.814000E+00	1.814000E+00	1.814000E+00	m/m	WPO35597	Y	N/A
2939	3,5	UNIFORM	5.000000E-01	5.000000E-01	0.000000E+00	1.000000E+00	NONE	WPO30640	Y	N/A
2939	3,5	UNIFORM	5.000000E-01	5.000000E-01	0.000000E+00	1.000000E+00	NONE	WPO30994	Y	N/A
2939	3,5	UNIFORM	5.000000E-01	5.000000E-01	0.000000E+00	1.000000E+00	NONE	WPO35268	Y	N/A
2939	3,5	UNIFORM	5.000000E-01	5.000000E-01	0.000000E+00	1.000000E+00	NONE	WPO35597	Y	N/A
2939	3,5	UNIFORM	5.000000E-01	5.000000E-01	0.000000E+00	1.000000E+00	NONE	WPO37542	Y	N/A
2939	3,5	UNIFORM	5.000000E-01	5.000000E-01	0.000000E+00	1.000000E+00	NONE	WPO40514	Y	N/A
2940	1,3,4	CONSTANT	-1.478250E+01	-1.478250E+01	-1.478250E+01	-1.478250E+01	log(m ²)	WPO30640	Y&N	1,4
2940	1,3,4	CONSTANT	-1.478250E+01	-1.478250E+01	-1.478250E+01	-1.478250E+01	log(m ²)	WPO30994	Y&N	1,4
2940	1,3,4	CONSTANT	-1.478250E+01	-1.478250E+01	-1.478250E+01	-1.478250E+01	log(m ²)	WPO35597	Y&N	1,4
2941	1,3,4	CONSTANT	-1.730100E+01	-1.730100E+01	-1.730100E+01	-1.730100E+01	log(m ²)	WPO30640	Y&N	1,4

CCA Parameter-Listing -

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 464 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y	varies	2941	SALT_T1	Shaft salt column compacted:time 0 to 10 years	PMLT_LO	Log triangular distribution low value for permeability	33377	13-Feb-96	Y	1
Y	varies	2941	SALT_T1	Shaft salt column compacted:time 0 to 10 years	PMLT_LO	Log triangular distribution low value for permeability	33377	13-Feb-96	Y	1
Y	varies	2942	SALT_T1	Shaft salt column compacted:time 0 to 10 years	PMLT_HI	Log triangular distribution high value for permeability	33375	13-Feb-96	Y	1
Y	varies	2942	SALT_T1	Shaft salt column compacted:time 0 to 10 years	PMLT_HI	Log triangular distribution high value for permeability	33375	13-Feb-96	Y	1
Y	varies	2942	SALT_T1	Shaft salt column compacted:time 0 to 10 years	PMLT_HI	Log triangular distribution high value for permeability	33375	13-Feb-96	Y	1
Y		2943	SALT_T2	Shaft salt column compacted:time 10 to 25 years	RSH_AIR	Air-supply shaft radius (3.09 m)	33383A	13-Feb-96	Y	4B
Y		2943	SALT_T2	Shaft salt column compacted:time 10 to 25 years	RSH_AIR	Air-supply shaft radius (3.09 m)	33383A	13-Feb-96	Y	4B
Y		2943	SALT_T2	Shaft salt column compacted:time 10 to 25 years	RSH_AIR	Air-supply shaft radius (3.09 m)	33383A	13-Feb-96	Y	4B
Y		2943	SALT_T2	Shaft salt column compacted:time 10 to 25 years	RSH_AIR	Air-supply shaft radius (3.09 m)	33383A	13-Feb-96	Y	4B
Y		2944	SALT_T2	Shaft salt column compacted:time 10 to 25 years	RSH_SAL	Salt-handling shaft radius (1.8 m)	33385A	13-Feb-96	Y	4B
Y		2944	SALT_T2	Shaft salt column compacted:time 10 to 25 years	RSH_SAL	Salt-handling shaft radius (1.8 m)	33385A	13-Feb-96	Y	4B
Y		2944	SALT_T2	Shaft salt column compacted:time 10 to 25 years	RSH_SAL	Salt-handling shaft radius (1.8 m)	33385A	13-Feb-96	Y	4B
Y		2944	SALT_T2	Shaft salt column compacted:time 10 to 25 years	RSH_SAL	Salt-handling shaft radius (1.8 m)	33385A	13-Feb-96	Y	4B
Y		2945	SALT_T2	Shaft salt column compacted:time 10 to 25 years	RSH_WAS	Waste-handling shaft radius (3.5 m)	33387A	13-Feb-96	Y	4B
Y		2945	SALT_T2	Shaft salt column compacted:time 10 to 25 years	RSH_WAS	Waste-handling shaft radius (3.5 m)	33387A	13-Feb-96	Y	4B
Y		2945	SALT_T2	Shaft salt column compacted:time 10 to 25 years	RSH_WAS	Waste-handling shaft radius (3.5 m)	33387A	13-Feb-96	Y	4B
Y		2945	SALT_T2	Shaft salt column compacted:time 10 to 25 years	RSH_WAS	Waste-handling shaft radius (3.5 m)	33387A	13-Feb-96	Y	4B
Y		2946	SALT_T2	Shaft salt column compacted:time 10 to 25 years	RSH_EXH	Air-exhaust shaft radius (2.3 m)	33384A	13-Feb-96	Y	4B
Y		2946	SALT_T2	Shaft salt column compacted:time 10 to 25 years	RSH_EXH	Air-exhaust shaft radius (2.3 m)	33384A	13-Feb-96	Y	4B
Y		2946	SALT_T2	Shaft salt column compacted:time 10 to 25 years	RSH_EXH	Air-exhaust shaft radius (2.3 m)	33384A	13-Feb-96	Y	4B
Y		2946	SALT_T2	Shaft salt column compacted:time 10 to 25 years	RSH_EXH	Air-exhaust shaft radius (2.3 m)	33384A	13-Feb-96	Y	4B
Y		2947	SALT_T2	Shaft salt column compacted:time 10 to 25 years	RADN_DRZ	DRZ outer radius at each shaft	33374	13-Feb-96	Y	1
Y		2947	SALT_T2	Shaft salt column compacted:time 10 to 25 years	RADN_DRZ	DRZ outer radius at each shaft	33374	13-Feb-96	Y	1
Y		2947	SALT_T2	Shaft salt column compacted:time 10 to 25 years	RADN_DRZ	DRZ outer radius at each shaft	33374	13-Feb-96	Y	1

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to quality existing data? (footnote 3)
2941	1,3,4	CONSTANT	-1.7301000E+01	-1.7301000E+01	-1.7301000E+01	-1.7301000E+01	log(m ²)	WPO30994	Y&N	1,4
2941	1,3,4	CONSTANT	-1.7301000E+01	-1.7301000E+01	-1.7301000E+01	-1.7301000E+01	log(m ²)	WPO35597	Y&N	1,4
2942	1,3,4	CONSTANT	-1.2265200E+01	-1.2265200E+01	-1.2265200E+01	-1.2265200E+01	log(m ²)	WPO30640	Y&N	1,4
2942	1,3,4	CONSTANT	-1.2265200E+01	-1.2265200E+01	-1.2265200E+01	-1.2265200E+01	log(m ²)	WPO30994	Y&N	1,4
2942	1,3,4	CONSTANT	-1.2265200E+01	-1.2265200E+01	-1.2265200E+01	-1.2265200E+01	log(m ²)	WPO35597	Y&N	1,4
2943	1,3	CONSTANT	3.0900000E+00	3.0900000E+00	3.0900000E+00	3.0900000E+00	m	WPO30640	Y	N/A
2943	1,3	CONSTANT	3.0900000E+00	3.0900000E+00	3.0900000E+00	3.0900000E+00	m	WPO30994	Y	N/A
2943	1,3	CONSTANT	3.0900000E+00	3.0900000E+00	3.0900000E+00	3.0900000E+00	m	WPO35597	Y	N/A
2943	1,3	CONSTANT	3.0900000E+00	3.0900000E+00	3.0900000E+00	3.0900000E+00	m	WPO40514	Y	N/A
2944	1,3	CONSTANT	1.8000000E+00	1.8000000E+00	1.8000000E+00	1.8000000E+00	m	WPO30640	Y	N/A
2944	1,3	CONSTANT	1.8000000E+00	1.8000000E+00	1.8000000E+00	1.8000000E+00	m	WPO30994	Y	N/A
2944	1,3	CONSTANT	1.8000000E+00	1.8000000E+00	1.8000000E+00	1.8000000E+00	m	WPO35597	Y	N/A
2944	1,3	CONSTANT	1.8000000E+00	1.8000000E+00	1.8000000E+00	1.8000000E+00	m	WPO40514	Y	N/A
2945	1,3	CONSTANT	3.5000000E+00	3.5000000E+00	3.5000000E+00	3.5000000E+00	m	WPO30640	Y	N/A
2945	1,3	CONSTANT	3.5000000E+00	3.5000000E+00	3.5000000E+00	3.5000000E+00	m	WPO30994	Y	N/A
2945	1,3	CONSTANT	3.5000000E+00	3.5000000E+00	3.5000000E+00	3.5000000E+00	m	WPO35597	Y	N/A
2945	1,3	CONSTANT	3.5000000E+00	3.5000000E+00	3.5000000E+00	3.5000000E+00	m	WPO40514	Y	N/A
2946	1,3	CONSTANT	2.3000000E+00	2.3000000E+00	2.3000000E+00	2.3000000E+00	m	WPO30640	Y	N/A
2946	1,3	CONSTANT	2.3000000E+00	2.3000000E+00	2.3000000E+00	2.3000000E+00	m	WPO30994	Y	N/A
2946	1,3	CONSTANT	2.3000000E+00	2.3000000E+00	2.3000000E+00	2.3000000E+00	m	WPO35597	Y	N/A
2946	1,3	CONSTANT	2.3000000E+00	2.3000000E+00	2.3000000E+00	2.3000000E+00	m	WPO40514	Y	N/A
2947	1,3,4	CONSTANT	1.1100000E+00	1.1100000E+00	1.1100000E+00	1.1100000E+00	m/m	WPO30640	Y	N/A
2947	1,3,4	CONSTANT	1.1100000E+00	1.1100000E+00	1.1100000E+00	1.1100000E+00	m/m	WPO30994	Y	N/A
2947	1,3,4	CONSTANT	1.1100000E+00	1.1100000E+00	1.1100000E+00	1.1100000E+00	m/m	WPO35597	Y	N/A

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 454 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y	varies	2948	SALT_T2	Shaft salt column compacted:time 10 to 25 years	PMLT_MD	Log triangular distribution mode for permeability	33445	13-Feb-96	Y	1
Y	varies	2948	SALT_T2	Shaft salt column compacted:time 10 to 25 years	PMLT_MD	Log triangular distribution mode for permeability	33445	13-Feb-96	Y	1
Y	varies	2948	SALT_T2	Shaft salt column compacted:time 10 to 25 years	PMLT_MD	Log triangular distribution mode for permeability	33445	13-Feb-96	Y	1
Y	varies	2949	SALT_T2	Shaft salt column compacted:time 10 to 25 years	PMLT_LO	Log triangular distribution low value for permeability	33442	13-Feb-96	Y	1
Y	varies	2949	SALT_T2	Shaft salt column compacted:time 10 to 25 years	PMLT_LO	Log triangular distribution low value for permeability	33442	13-Feb-96	Y	1
Y	varies	2949	SALT_T2	Shaft salt column compacted:time 10 to 25 years	PMLT_LO	Log triangular distribution low value for permeability	33442	13-Feb-96	Y	1
Y	varies	2950	SALT_T2	Shaft salt column compacted:time 10 to 25 years	PMLT_HI	Log triangular distribution high value for permeability	33440	13-Feb-96	Y	1
Y	varies	2950	SALT_T2	Shaft salt column compacted:time 10 to 25 years	PMLT_HI	Log triangular distribution high value for permeability	33440	13-Feb-96	Y	1
Y	varies	2950	SALT_T2	Shaft salt column compacted:time 10 to 25 years	PMLT_HI	Log triangular distribution high value for permeability	33440	13-Feb-96	Y	1
Y		2951	SALT_T3	Shaft salt column compacted:time 25 to 50 years	RSH_AIR	Air-supply shaft radius (3.09 m)	33437A	13-Feb-96	Y	4B
Y		2951	SALT_T3	Shaft salt column compacted:time 25 to 50 years	RSH_AIR	Air-supply shaft radius (3.09 m)	33437A	13-Feb-96	Y	4B
Y		2951	SALT_T3	Shaft salt column compacted:time 25 to 50 years	RSH_AIR	Air-supply shaft radius (3.09 m)	33437A	13-Feb-96	Y	4B
Y		2951	SALT_T3	Shaft salt column compacted:time 25 to 50 years	RSH_AIR	Air-supply shaft radius (3.09 m)	33437A	13-Feb-96	Y	4B
Y		2952	SALT_T3	Shaft salt column compacted:time 25 to 50 years	RSH_SAL	Salt-handling shaft radius (1.8 m)	33441A	13-Feb-96	Y	4B
Y		2952	SALT_T3	Shaft salt column compacted:time 25 to 50 years	RSH_SAL	Salt-handling shaft radius (1.8 m)	33441A	13-Feb-96	Y	4B
Y		2952	SALT_T3	Shaft salt column compacted:time 25 to 50 years	RSH_SAL	Salt-handling shaft radius (1.8 m)	33441A	13-Feb-96	Y	4B
Y		2952	SALT_T3	Shaft salt column compacted:time 25 to 50 years	RSH_SAL	Salt-handling shaft radius (1.8 m)	33441A	13-Feb-96	Y	4B
Y		2953	SALT_T3	Shaft salt column compacted:time 25 to 50 years	RSH_WAS	Waste-handling shaft radius (3.5 m)	33443A	13-Feb-96	Y	4B
Y		2953	SALT_T3	Shaft salt column compacted:time 25 to 50 years	RSH_WAS	Waste-handling shaft radius (3.5 m)	33443A	13-Feb-96	Y	4B
Y		2953	SALT_T3	Shaft salt column compacted:time 25 to 50 years	RSH_WAS	Waste-handling shaft radius (3.5 m)	33443A	13-Feb-96	Y	4B
Y		2953	SALT_T3	Shaft salt column compacted:time 25 to 50 years	RSH_WAS	Waste-handling shaft radius (3.5 m)	33443A	13-Feb-96	Y	4B
Y		2954	SALT_T3	Shaft salt column compacted:time 25 to 50 years	RSH_EXH	Air-exhaust shaft radius (2.3 m)	33439A	13-Feb-96	Y	4B
Y		2954	SALT_T3	Shaft salt column compacted:time 25 to 50 years	RSH_EXH	Air-exhaust shaft radius (2.3 m)	33439A	13-Feb-96	Y	4B
Y		2954	SALT_T3	Shaft salt column compacted:time 25 to 50 years	RSH_EXH	Air-exhaust shaft radius (2.3 m)	33439A	13-Feb-96	Y	4B

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to quality existing data? (footnote 3)
2948	1,3,4	CONSTANT	-1.4782500E+01	-1.4782500E+01	-1.4782500E+01	-1.4782500E+01	log(m ²)	WPO30640	Y&N	1,4
2948	1,3,4	CONSTANT	-1.4782500E+01	-1.4782500E+01	-1.4782500E+01	-1.4782500E+01	log(m ²)	WPO30994	Y&N	1,4
2948	1,3,4	CONSTANT	-1.4782500E+01	-1.4782500E+01	-1.4782500E+01	-1.4782500E+01	log(m ²)	WPO35597	Y&N	1,4
2949	1,3,4	CONSTANT	-1.7301000E+01	-1.7301000E+01	-1.7301000E+01	-1.7301000E+01	log(m ²)	WPO30640	Y&N	1,4
2949	1,3,4	CONSTANT	-1.7301000E+01	-1.7301000E+01	-1.7301000E+01	-1.7301000E+01	log(m ²)	WPO30994	Y&N	1,4
2949	1,3,4	CONSTANT	-1.7301000E+01	-1.7301000E+01	-1.7301000E+01	-1.7301000E+01	log(m ²)	WPO35597	Y&N	1,4
2950	1,3,4	CONSTANT	-1.2265200E+01	-1.2265200E+01	-1.2265200E+01	-1.2265200E+01	log(m ²)	WPO30640	Y&N	1,4
2950	1,3,4	CONSTANT	-1.2265200E+01	-1.2265200E+01	-1.2265200E+01	-1.2265200E+01	log(m ²)	WPO30994	Y&N	1,4
2950	1,3,4	CONSTANT	-1.2265200E+01	-1.2265200E+01	-1.2265200E+01	-1.2265200E+01	log(m ²)	WPO35597	Y&N	1,4
2951	1,3	CONSTANT	3.0900000E+00	3.0900000E+00	3.0900000E+00	3.0900000E+00	m	WPO30640	Y	N/A
2951	1,3	CONSTANT	3.0900000E+00	3.0900000E+00	3.0900000E+00	3.0900000E+00	m	WPO30994	Y	N/A
2951	1,3	CONSTANT	3.0900000E+00	3.0900000E+00	3.0900000E+00	3.0900000E+00	m	WPO35597	Y	N/A
2951	1,3	CONSTANT	3.0900000E+00	3.0900000E+00	3.0900000E+00	3.0900000E+00	m	WPO40514	Y	N/A
2952	1,3	CONSTANT	1.8000000E+00	1.8000000E+00	1.8000000E+00	1.8000000E+00	m	WPO30640	Y	N/A
2952	1,3	CONSTANT	1.8000000E+00	1.8000000E+00	1.8000000E+00	1.8000000E+00	m	WPO30994	Y	N/A
2952	1,3	CONSTANT	1.8000000E+00	1.8000000E+00	1.8000000E+00	1.8000000E+00	m	WPO35597	Y	N/A
2952	1,3	CONSTANT	1.8000000E+00	1.8000000E+00	1.8000000E+00	1.8000000E+00	m	WPO40514	Y	N/A
2953	1,3	CONSTANT	3.5000000E+00	3.5000000E+00	3.5000000E+00	3.5000000E+00	m	WPO30640	Y	N/A
2953	1,3	CONSTANT	3.5000000E+00	3.5000000E+00	3.5000000E+00	3.5000000E+00	m	WPO30994	Y	N/A
2953	1,3	CONSTANT	3.5000000E+00	3.5000000E+00	3.5000000E+00	3.5000000E+00	m	WPO35597	Y	N/A
2953	1,3	CONSTANT	3.5000000E+00	3.5000000E+00	3.5000000E+00	3.5000000E+00	m	WPO40514	Y	N/A
2954	1,3	CONSTANT	2.3000000E+00	2.3000000E+00	2.3000000E+00	2.3000000E+00	m	WPO30640	Y	N/A
2954	1,3	CONSTANT	2.3000000E+00	2.3000000E+00	2.3000000E+00	2.3000000E+00	m	WPO30994	Y	N/A
2954	1,3	CONSTANT	2.3000000E+00	2.3000000E+00	2.3000000E+00	2.3000000E+00	m	WPO35597	Y	N/A

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 454 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		2954	SALT_T3	Shaft salt column compacted:time 25 to 50 years	RSH_EXH	Air-exhaust shaft radius (2.3 m)	33439A	13-Feb-96	Y	4B
Y		2955	SALT_T3	Shaft salt column compacted:time 25 to 50 years	RADN_DRZ	DRZ outer radius at each shaft	33432	13-Feb-96	Y	1
Y		2955	SALT_T3	Shaft salt column compacted:time 25 to 50 years	RADN_DRZ	DRZ outer radius at each shaft	33432	13-Feb-96	Y	1
Y		2955	SALT_T3	Shaft salt column compacted:time 25 to 50 years	RADN_DRZ	DRZ outer radius at each shaft	33432	13-Feb-96	Y	1
Y	varies	2956	SALT_T3	Shaft salt column compacted:time 25 to 50 years	PMLT_MD	Log triangular distribution mode for permeability	33414	13-Feb-96	Y	1
Y	varies	2956	SALT_T3	Shaft salt column compacted:time 25 to 50 years	PMLT_MD	Log triangular distribution mode for permeability	33414	13-Feb-96	Y	1
Y	varies	2956	SALT_T3	Shaft salt column compacted:time 25 to 50 years	PMLT_MD	Log triangular distribution mode for permeability	33414	13-Feb-96	Y	1
Y	varies	2957	SALT_T3	Shaft salt column compacted:time 25 to 50 years	PMLT_LO	Log triangular distribution low value for permeability	33412	13-Feb-96	Y	1
Y	varies	2957	SALT_T3	Shaft salt column compacted:time 25 to 50 years	PMLT_LO	Log triangular distribution low value for permeability	33412	13-Feb-96	Y	1
Y	varies	2957	SALT_T3	Shaft salt column compacted:time 25 to 50 years	PMLT_LO	Log triangular distribution low value for permeability	33412	13-Feb-96	Y	1
Y	varies	2958	SALT_T3	Shaft salt column compacted:time 25 to 50 years	PMLT_HI	Log triangular distribution high value for permeability	33409	13-Feb-96	Y	1
Y	varies	2958	SALT_T3	Shaft salt column compacted:time 25 to 50 years	PMLT_HI	Log triangular distribution high value for permeability	33409	13-Feb-96	Y	1
Y	varies	2958	SALT_T3	Shaft salt column compacted:time 25 to 50 years	PMLT_HI	Log triangular distribution high value for permeability	33409	13-Feb-96	Y	1
Y		2959	SALT_T4	Shaft salt column compacted:time 50 to 100 years	RSH_AIR	Air-supply shaft radius (3.09 m)	33556A	13-Feb-96	Y	4B
Y		2959	SALT_T4	Shaft salt column compacted:time 50 to 100 years	RSH_AIR	Air-supply shaft radius (3.09 m)	33556A	13-Feb-96	Y	4B
Y		2959	SALT_T4	Shaft salt column compacted:time 50 to 100 years	RSH_AIR	Air-supply shaft radius (3.09 m)	33556A	13-Feb-96	Y	4B
Y		2959	SALT_T4	Shaft salt column compacted:time 50 to 100 years	RSH_AIR	Air-supply shaft radius (3.09 m)	33556A	13-Feb-96	Y	4B
Y		2960	SALT_T4	Shaft salt column compacted:time 50 to 100 years	RSH_SAL	Salt-handling shaft radius (1.8 m)	33560A	13-Feb-96	Y	4B
Y		2960	SALT_T4	Shaft salt column compacted:time 50 to 100 years	RSH_SAL	Salt-handling shaft radius (1.8 m)	33560A	13-Feb-96	Y	4B
Y		2960	SALT_T4	Shaft salt column compacted:time 50 to 100 years	RSH_SAL	Salt-handling shaft radius (1.8 m)	33560A	13-Feb-96	Y	4B
Y		2960	SALT_T4	Shaft salt column compacted:time 50 to 100 years	RSH_SAL	Salt-handling shaft radius (1.8 m)	33560A	13-Feb-96	Y	4B
Y		2961	SALT_T4	Shaft salt column compacted:time 50 to 100 years	RSH_WAS	Waste-handling shaft radius (3.5 m)	33561A	13-Feb-96	Y	4B
Y		2961	SALT_T4	Shaft salt column compacted:time 50 to 100 years	RSH_WAS	Waste-handling shaft radius (3.5 m)	33561A	13-Feb-96	Y	4B
Y		2961	SALT_T4	Shaft salt column compacted:time 50 to 100 years	RSH_WAS	Waste-handling shaft radius (3.5 m)	33561A	13-Feb-96	Y	4B

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
2954	1,3	CONSTANT	2.300000E+00	2.300000E+00	2.300000E+00	2.300000E+00	m	WPO40514	Y	N/A
2955	1,3,4	CONSTANT	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	m/m	WPO30640	Y	N/A
2955	1,3,4	CONSTANT	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	m/m	WPO30994	Y	N/A
2955	1,3,4	CONSTANT	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	m/m	WPO35597	Y	N/A
2956	1,3,4	CONSTANT	-1.478250E+01	-1.478250E+01	-1.478250E+01	-1.478250E+01	log(m ²)	WPO30640	Y&N	1,4
2956	1,3,4	CONSTANT	-1.478250E+01	-1.478250E+01	-1.478250E+01	-1.478250E+01	log(m ²)	WPO30994	Y&N	1,4
2956	1,3,4	CONSTANT	-1.478250E+01	-1.478250E+01	-1.478250E+01	-1.478250E+01	log(m ²)	WPO35597	Y&N	1,4
2957	1,3,4	CONSTANT	-1.730100E+01	-1.730100E+01	-1.730100E+01	-1.730100E+01	log(m ²)	WPO30640	Y&N	1,4
2957	1,3,4	CONSTANT	-1.730100E+01	-1.730100E+01	-1.730100E+01	-1.730100E+01	log(m ²)	WPO30994	Y&N	1,4
2957	1,3,4	CONSTANT	-1.730100E+01	-1.730100E+01	-1.730100E+01	-1.730100E+01	log(m ²)	WPO35597	Y&N	1,4
2958	1,3,4	CONSTANT	-1.226520E+01	-1.226520E+01	-1.226520E+01	-1.226520E+01	log(m ²)	WPO30640	Y&N	1,4
2958	1,3,4	CONSTANT	-1.226520E+01	-1.226520E+01	-1.226520E+01	-1.226520E+01	log(m ²)	WPO30994	Y&N	1,4
2958	1,3,4	CONSTANT	-1.226520E+01	-1.226520E+01	-1.226520E+01	-1.226520E+01	log(m ²)	WPO35597	Y&N	1,4
2959	1,3	CONSTANT	3.090000E+00	3.090000E+00	3.090000E+00	3.090000E+00	m	WPO30640	Y	N/A
2959	1,3	CONSTANT	3.090000E+00	3.090000E+00	3.090000E+00	3.090000E+00	m	WPO30994	Y	N/A
2959	1,3	CONSTANT	3.090000E+00	3.090000E+00	3.090000E+00	3.090000E+00	m	WPO35597	Y	N/A
2959	1,3	CONSTANT	3.090000E+00	3.090000E+00	3.090000E+00	3.090000E+00	m	WPO40514	Y	N/A
2960	1,3	CONSTANT	1.800000E+00	1.800000E+00	1.800000E+00	1.800000E+00	m	WPO30640	Y	N/A
2960	1,3	CONSTANT	1.800000E+00	1.800000E+00	1.800000E+00	1.800000E+00	m	WPO30994	Y	N/A
2960	1,3	CONSTANT	1.800000E+00	1.800000E+00	1.800000E+00	1.800000E+00	m	WPO35597	Y	N/A
2960	1,3	CONSTANT	1.800000E+00	1.800000E+00	1.800000E+00	1.800000E+00	m	WPO40514	Y	N/A
2961	1,3	CONSTANT	3.500000E+00	3.500000E+00	3.500000E+00	3.500000E+00	m	WPO30640	Y	N/A
2961	1,3	CONSTANT	3.500000E+00	3.500000E+00	3.500000E+00	3.500000E+00	m	WPO30994	Y	N/A
2961	1,3	CONSTANT	3.500000E+00	3.500000E+00	3.500000E+00	3.500000E+00	m	WPO35597	Y	N/A

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 464 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		2961	SALT_T4	Shaft salt column compacted:time 50 to 100 years	RSH_WAS	Waste-handling shaft radius (3.5 m)	33561A	13-Feb-96	Y	4B
Y		2962	SALT_T4	Shaft salt column compacted:time 50 to 100 years	RSH_EXH	Air-exhaust shaft radius (2.3 m)	33558A	13-Feb-96	Y	4B
Y		2962	SALT_T4	Shaft salt column compacted:time 50 to 100 years	RSH_EXH	Air-exhaust shaft radius (2.3 m)	33558A	13-Feb-96	Y	4B
Y		2962	SALT_T4	Shaft salt column compacted:time 50 to 100 years	RSH_EXH	Air-exhaust shaft radius (2.3 m)	33558A	13-Feb-96	Y	4B
Y		2962	SALT_T4	Shaft salt column compacted:time 50 to 100 years	RSH_EXH	Air-exhaust shaft radius (2.3 m)	33558A	13-Feb-96	Y	4B
Y		2963	SALT_T4	Shaft salt column compacted:time 50 to 100 years	RADN_DRZ	DRZ outer radius at each shaft	33540	13-Feb-96	Y	1
Y		2963	SALT_T4	Shaft salt column compacted:time 50 to 100 years	RADN_DRZ	DRZ outer radius at each shaft	33540	13-Feb-96	Y	1
Y		2963	SALT_T4	Shaft salt column compacted:time 50 to 100 years	RADN_DRZ	DRZ outer radius at each shaft	33540	13-Feb-96	Y	1
Y	varies	2964	SALT_T4	Shaft salt column compacted:time 50 to 100 years	PMLT_MD	Log triangular distribution mode for permeability	33463	13-Feb-96	Y	1
Y	varies	2964	SALT_T4	Shaft salt column compacted:time 50 to 100 years	PMLT_MD	Log triangular distribution mode for permeability	33463	13-Feb-96	Y	1
Y	varies	2964	SALT_T4	Shaft salt column compacted:time 50 to 100 years	PMLT_MD	Log triangular distribution mode for permeability	33463	13-Feb-96	Y	1
Y	varies	2965	SALT_T4	Shaft salt column compacted:time 50 to 100 years	PMLT_LO	Log triangular distribution low value for permeability	33461	13-Feb-96	Y	1
Y	varies	2965	SALT_T4	Shaft salt column compacted:time 50 to 100 years	PMLT_LO	Log triangular distribution low value for permeability	33461	13-Feb-96	Y	1
Y	varies	2965	SALT_T4	Shaft salt column compacted:time 50 to 100 years	PMLT_LO	Log triangular distribution low value for permeability	33461	13-Feb-96	Y	1
Y	varies	2966	SALT_T4	Shaft salt column compacted:time 50 to 100 years	PMLT_HI	Log triangular distribution high value for permeability	33460	13-Feb-96	Y	1
Y	varies	2966	SALT_T4	Shaft salt column compacted:time 50 to 100 years	PMLT_HI	Log triangular distribution high value for permeability	33460	13-Feb-96	Y	1
Y	varies	2966	SALT_T4	Shaft salt column compacted:time 50 to 100 years	PMLT_HI	Log triangular distribution high value for permeability	33460	13-Feb-96	Y	1
Y		2967	SALT_T5	Shaft salt column compacted:time 100 to 200 years	RSH_AIR	Air-supply shaft radius (3.09 m)	33616A	13-Feb-96	Y	4B
Y		2967	SALT_T5	Shaft salt column compacted:time 100 to 200 years	RSH_AIR	Air-supply shaft radius (3.09 m)	33616A	13-Feb-96	Y	4B
Y		2967	SALT_T5	Shaft salt column compacted:time 100 to 200 years	RSH_AIR	Air-supply shaft radius (3.09 m)	33616A	13-Feb-96	Y	4B
Y		2967	SALT_T5	Shaft salt column compacted:time 100 to 200 years	RSH_AIR	Air-supply shaft radius (3.09 m)	33616A	13-Feb-96	Y	4B
Y		2968	SALT_T5	Shaft salt column compacted:time 100 to 200 years	RSH_SAL	Salt-handling shaft radius (1.8 m)	33620A	13-Feb-96	Y	4B
Y		2968	SALT_T5	Shaft salt column compacted:time 100 to 200 years	RSH_SAL	Salt-handling shaft radius (1.8 m)	33620A	13-Feb-96	Y	4B
Y		2968	SALT_T5	Shaft salt column compacted:time 100 to 200 years	RSH_SAL	Salt-handling shaft radius (1.8 m)	33620A	13-Feb-96	Y	4B

CCA Parameter-Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
2961	1,3	CONSTANT	3.500000E+00	3.500000E+00	3.500000E+00	3.500000E+00	m	WPO40514	Y	N/A
2962	1,3	CONSTANT	2.300000E+00	2.300000E+00	2.300000E+00	2.300000E+00	m	WPO30640	Y	N/A
2962	1,3	CONSTANT	2.300000E+00	2.300000E+00	2.300000E+00	2.300000E+00	m	WPO30994	Y	N/A
2962	1,3	CONSTANT	2.300000E+00	2.300000E+00	2.300000E+00	2.300000E+00	m	WPO35597	Y	N/A
2962	1,3	CONSTANT	2.300000E+00	2.300000E+00	2.300000E+00	2.300000E+00	m	WPO40514	Y	N/A
2963	1,3,4	CONSTANT	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	m/m	WPO30640	Y	N/A
2963	1,3,4	CONSTANT	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	m/m	WPO30994	Y	N/A
2963	1,3,4	CONSTANT	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	m/m	WPO35597	Y	N/A
2964	1,3,4	CONSTANT	-1.716560E+01	-1.716560E+01	-1.716560E+01	-1.716560E+01	log(m^2)	WPO30640	Y&N	1,4
2964	1,3,4	CONSTANT	-1.716560E+01	-1.716560E+01	-1.716560E+01	-1.716560E+01	log(m^2)	WPO30994	Y&N	1,4
2964	1,3,4	CONSTANT	-1.716560E+01	-1.716560E+01	-1.716560E+01	-1.716560E+01	log(m^2)	WPO35597	Y&N	1,4
2965	1,3,4	CONSTANT	-2.287610E+01	-2.287610E+01	-2.287610E+01	-2.287610E+01	log(m^2)	WPO30640	Y&N	1,4
2965	1,3,4	CONSTANT	-2.287610E+01	-2.287610E+01	-2.287610E+01	-2.287610E+01	log(m^2)	WPO30994	Y&N	1,4
2965	1,3,4	CONSTANT	-2.287610E+01	-2.287610E+01	-2.287610E+01	-2.287610E+01	log(m^2)	WPO35597	Y&N	1,4
2966	1,3,4	CONSTANT	-1.395080E+01	-1.395080E+01	-1.395080E+01	-1.395080E+01	log(m^2)	WPO30640	Y&N	1,4
2966	1,3,4	CONSTANT	-1.395080E+01	-1.395080E+01	-1.395080E+01	-1.395080E+01	log(m^2)	WPO30994	Y&N	1,4
2966	1,3,4	CONSTANT	-1.395080E+01	-1.395080E+01	-1.395080E+01	-1.395080E+01	log(m^2)	WPO35597	Y&N	1,4
2967	1,3	CONSTANT	3.090000E+00	3.090000E+00	3.090000E+00	3.090000E+00	m	WPO30640	Y	N/A
2967	1,3	CONSTANT	3.090000E+00	3.090000E+00	3.090000E+00	3.090000E+00	m	WPO30994	Y	N/A
2967	1,3	CONSTANT	3.090000E+00	3.090000E+00	3.090000E+00	3.090000E+00	m	WPO35597	Y	N/A
2967	1,3	CONSTANT	3.090000E+00	3.090000E+00	3.090000E+00	3.090000E+00	m	WPO40514	Y	N/A
2968	1,3	CONSTANT	1.800000E+00	1.800000E+00	1.800000E+00	1.800000E+00	m	WPO30640	Y	N/A
2968	1,3	CONSTANT	1.800000E+00	1.800000E+00	1.800000E+00	1.800000E+00	m	WPO30994	Y	N/A
2968	1,3	CONSTANT	1.800000E+00	1.800000E+00	1.800000E+00	1.800000E+00	m	WPO35597	Y	N/A

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 464 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		2968	SALT_T5	Shaft salt column compacted:time 100 to 200 years	RSH_SAL	Salt-handling shaft radius (1.8 m)	33620A	13-Feb-96	Y	4B
Y		2969	SALT_T5	Shaft salt column compacted:time 100 to 200 years	RSH_WAS	Waste-handling shaft radius (3.5 m)	33622A	13-Feb-96	Y	4B
Y		2969	SALT_T5	Shaft salt column compacted:time 100 to 200 years	RSH_WAS	Waste-handling shaft radius (3.5 m)	33622A	13-Feb-96	Y	4B
Y		2969	SALT_T5	Shaft salt column compacted:time 100 to 200 years	RSH_WAS	Waste-handling shaft radius (3.5 m)	33622A	13-Feb-96	Y	4B
Y		2969	SALT_T5	Shaft salt column compacted:time 100 to 200 years	RSH_WAS	Waste-handling shaft radius (3.5 m)	33622A	13-Feb-96	Y	4B
Y		2970	SALT_T5	Shaft salt column compacted:time 100 to 200 years	RSH_EXH	Air-exhaust shaft radius (2.3 m)	33618A	13-Feb-96	Y	4B
Y		2970	SALT_T5	Shaft salt column compacted:time 100 to 200 years	RSH_EXH	Air-exhaust shaft radius (2.3 m)	33618A	13-Feb-96	Y	4B
Y		2970	SALT_T5	Shaft salt column compacted:time 100 to 200 years	RSH_EXH	Air-exhaust shaft radius (2.3 m)	33618A	13-Feb-96	Y	4B
Y		2970	SALT_T5	Shaft salt column compacted:time 100 to 200 years	RSH_EXH	Air-exhaust shaft radius (2.3 m)	33618A	13-Feb-96	Y	4B
Y		2971	SALT_T5	Shaft salt column compacted:time 100 to 200 years	RADN_DRZ	DRZ outer radius at each shaft	33609	13-Feb-96	Y	1
Y		2971	SALT_T5	Shaft salt column compacted:time 100 to 200 years	RADN_DRZ	DRZ outer radius at each shaft	33609	13-Feb-96	Y	1
Y		2971	SALT_T5	Shaft salt column compacted:time 100 to 200 years	RADN_DRZ	DRZ outer radius at each shaft	33609	13-Feb-96	Y	1
Y	varies	2972	SALT_T5	Shaft salt column compacted:time 100 to 200 years	PMLT_MD	Log triangular distribution mode for permeability	33585	13-Feb-96	Y	1
Y	varies	2972	SALT_T5	Shaft salt column compacted:time 100 to 200 years	PMLT_MD	Log triangular distribution mode for permeability	33585	13-Feb-96	Y	1
Y	varies	2972	SALT_T5	Shaft salt column compacted:time 100 to 200 years	PMLT_MD	Log triangular distribution mode for permeability	33585	13-Feb-96	Y	1
Y	varies	2973	SALT_T5	Shaft salt column compacted:time 100 to 200 years	PMLT_LO	Log triangular distribution low value for permeability	33583	13-Feb-96	Y	1
Y	varies	2973	SALT_T5	Shaft salt column compacted:time 100 to 200 years	PMLT_LO	Log triangular distribution low value for permeability	33583	13-Feb-96	Y	1
Y	varies	2973	SALT_T5	Shaft salt column compacted:time 100 to 200 years	PMLT_LO	Log triangular distribution low value for permeability	33583	13-Feb-96	Y	1
Y	varies	2974	SALT_T5	Shaft salt column compacted:time 100 to 200 years	PMLT_HI	Log triangular distribution high value for permeability	33581	13-Feb-96	Y	1
Y	varies	2974	SALT_T5	Shaft salt column compacted:time 100 to 200 years	PMLT_HI	Log triangular distribution high value for permeability	33581	13-Feb-96	Y	1
Y	varies	2974	SALT_T5	Shaft salt column compacted:time 100 to 200 years	PMLT_HI	Log triangular distribution high value for permeability	33581	13-Feb-96	Y	1
Y		2975	SALT_T6	Shaft salt column compacted:time 200 to 10K years	RSH_AIR	Air-supply shaft radius (3.09 m)	33479A	13-Feb-96	Y	4B
Y		2975	SALT_T6	Shaft salt column compacted:time 200 to 10K years	RSH_AIR	Air-supply shaft radius (3.09 m)	33479A	13-Feb-96	Y	4B
Y		2975	SALT_T6	Shaft salt column compacted:time 200 to 10K years	RSH_AIR	Air-supply shaft radius (3.09 m)	33479A	13-Feb-96	Y	4B

CCA Parameter-Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NOAA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
2968	1,3	CONSTANT	1.800000E+00	1.800000E+00	1.800000E+00	1.800000E+00	m	WPO40514	Y	N/A
2969	1,3	CONSTANT	3.500000E+00	3.500000E+00	3.500000E+00	3.500000E+00	m	WPO30640	Y	N/A
2969	1,3	CONSTANT	3.500000E+00	3.500000E+00	3.500000E+00	3.500000E+00	m	WPO30994	Y	N/A
2969	1,3	CONSTANT	3.500000E+00	3.500000E+00	3.500000E+00	3.500000E+00	m	WPO35597	Y	N/A
2969	1,3	CONSTANT	3.500000E+00	3.500000E+00	3.500000E+00	3.500000E+00	m	WPO40514	Y	N/A
2970	1,3	CONSTANT	2.300000E+00	2.300000E+00	2.300000E+00	2.300000E+00	m	WPO30640	Y	N/A
2970	1,3	CONSTANT	2.300000E+00	2.300000E+00	2.300000E+00	2.300000E+00	m	WPO30994	Y	N/A
2970	1,3	CONSTANT	2.300000E+00	2.300000E+00	2.300000E+00	2.300000E+00	m	WPO35597	Y	N/A
2970	1,3	CONSTANT	2.300000E+00	2.300000E+00	2.300000E+00	2.300000E+00	m	WPO40514	Y	N/A
2971	1,3,4	CONSTANT	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	m/m	WPO30640	Y	N/A
2971	1,3,4	CONSTANT	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	m/m	WPO30994	Y	N/A
2971	1,3,4	CONSTANT	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	m/m	WPO35597	Y	N/A
2972	1,3,4	CONSTANT	-1.9278200E+01	-1.9278200E+01	-1.9278200E+01	-1.9278200E+01	log(m^2)	WPO30640	Y&N	1,4
2972	1,3,4	CONSTANT	-1.9278200E+01	-1.9278200E+01	-1.9278200E+01	-1.9278200E+01	log(m^2)	WPO30994	Y&N	1,4
2972	1,3,4	CONSTANT	-1.9278200E+01	-1.9278200E+01	-1.9278200E+01	-1.9278200E+01	log(m^2)	WPO35597	Y&N	1,4
2973	1,3,4	CONSTANT	-2.2876100E+01	-2.2876100E+01	-2.2876100E+01	-2.2876100E+01	log(m^2)	WPO30640	Y&N	1,4
2973	1,3,4	CONSTANT	-2.2876100E+01	-2.2876100E+01	-2.2876100E+01	-2.2876100E+01	log(m^2)	WPO30994	Y&N	1,4
2973	1,3,4	CONSTANT	-2.2876100E+01	-2.2876100E+01	-2.2876100E+01	-2.2876100E+01	log(m^2)	WPO35597	Y&N	1,4
2974	1,3,4	CONSTANT	-1.5426000E+01	-1.5426000E+01	-1.5426000E+01	-1.5426000E+01	log(m^2)	WPO30640	Y&N	1,4
2974	1,3,4	CONSTANT	-1.5426000E+01	-1.5426000E+01	-1.5426000E+01	-1.5426000E+01	log(m^2)	WPO30994	Y&N	1,4
2974	1,3,4	CONSTANT	-1.5426000E+01	-1.5426000E+01	-1.5426000E+01	-1.5426000E+01	log(m^2)	WPO35597	Y&N	1,4
2975	1,3	CONSTANT	3.0900000E+00	3.0900000E+00	3.0900000E+00	3.0900000E+00	m	WPO30640	Y	N/A
2975	1,3	CONSTANT	3.0900000E+00	3.0900000E+00	3.0900000E+00	3.0900000E+00	m	WPO30994	Y	N/A
2975	1,3	CONSTANT	3.0900000E+00	3.0900000E+00	3.0900000E+00	3.0900000E+00	m	WPO35597	Y	N/A

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 484 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		2975	SALT_T6	Shaft salt column compacted:time 200 to 10K years	RSH_AIR	Air-supply shaft radius (3.09 m)	33479A	13-Feb-96	Y	4B
Y		2976	SALT_T6	Shaft salt column compacted:time 200 to 10K years	RSH_SAL	Salt-handling shaft radius (1.8 m)	33481A	13-Feb-96	Y	4B
Y		2976	SALT_T6	Shaft salt column compacted:time 200 to 10K years	RSH_SAL	Salt-handling shaft radius (1.8 m)	33481A	13-Feb-96	Y	4B
Y		2976	SALT_T6	Shaft salt column compacted:time 200 to 10K years	RSH_SAL	Salt-handling shaft radius (1.8 m)	33481A	13-Feb-96	Y	4B
Y		2976	SALT_T6	Shaft salt column compacted:time 200 to 10K years	RSH_SAL	Salt-handling shaft radius (1.8 m)	33481A	13-Feb-96	Y	4B
Y		2977	SALT_T6	Shaft salt column compacted:time 200 to 10K years	RSH_WAS	Waste-handling shaft radius (3.5 m)	33482A	13-Feb-96	Y	4B
Y		2977	SALT_T6	Shaft salt column compacted:time 200 to 10K years	RSH_WAS	Waste-handling shaft radius (3.5 m)	33482A	13-Feb-96	Y	4B
Y		2977	SALT_T6	Shaft salt column compacted:time 200 to 10K years	RSH_WAS	Waste-handling shaft radius (3.5 m)	33482A	13-Feb-96	Y	4B
Y		2977	SALT_T6	Shaft salt column compacted:time 200 to 10K years	RSH_WAS	Waste-handling shaft radius (3.5 m)	33482A	13-Feb-96	Y	4B
Y		2978	SALT_T6	Shaft salt column compacted:time 200 to 10K years	RSH_EXH	Air-exhaust shaft radius (2.3 m)	33480A	13-Feb-96	Y	4B
Y		2978	SALT_T6	Shaft salt column compacted:time 200 to 10K years	RSH_EXH	Air-exhaust shaft radius (2.3 m)	33480A	13-Feb-96	Y	4B
Y		2978	SALT_T6	Shaft salt column compacted:time 200 to 10K years	RSH_EXH	Air-exhaust shaft radius (2.3 m)	33480A	13-Feb-96	Y	4B
Y		2978	SALT_T6	Shaft salt column compacted:time 200 to 10K years	RSH_EXH	Air-exhaust shaft radius (2.3 m)	33480A	13-Feb-96	Y	4B
Y		2979	SALT_T6	Shaft salt column compacted:time 200 to 10K years	RADN_DRZ	DRZ outer radius at each shaft	33476	13-Feb-96	Y	1
Y		2979	SALT_T6	Shaft salt column compacted:time 200 to 10K years	RADN_DRZ	DRZ outer radius at each shaft	33476	13-Feb-96	Y	1
Y		2979	SALT_T6	Shaft salt column compacted:time 200 to 10K years	RADN_DRZ	DRZ outer radius at each shaft	33476	13-Feb-96	Y	1
Y	varies	2980	SALT_T6	Shaft salt column compacted:time 200 to 10K years	PMLT_MD	Log triangular distribution mode for permeability	33651	13-Feb-96	Y	1
Y	varies	2980	SALT_T6	Shaft salt column compacted:time 200 to 10K years	PMLT_MD	Log triangular distribution mode for permeability	33651	13-Feb-96	Y	1
Y	varies	2980	SALT_T6	Shaft salt column compacted:time 200 to 10K years	PMLT_MD	Log triangular distribution mode for permeability	33651	13-Feb-96	Y	1
Y	varies	2981	SALT_T6	Shaft salt column compacted:time 200 to 10K years	PMLT_LO	Log triangular distribution low value for permeability	33650	13-Feb-96	Y	1
Y	varies	2981	SALT_T6	Shaft salt column compacted:time 200 to 10K years	PMLT_LO	Log triangular distribution low value for permeability	33650	13-Feb-96	Y	1
Y	varies	2981	SALT_T6	Shaft salt column compacted:time 200 to 10K years	PMLT_LO	Log triangular distribution low value for permeability	33650	13-Feb-96	Y	1
Y	varies	2982	SALT_T6	Shaft salt column compacted:time 200 to 10K years	PMLT_HI	Log triangular distribution high value for permeability	33648	13-Feb-96	Y	1
Y	varies	2982	SALT_T6	Shaft salt column compacted:time 200 to 10K years	PMLT_HI	Log triangular distribution high value for permeability	33648	13-Feb-96	Y	1

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
2975	1,3	CONSTANT	3.0900000E+00	3.0900000E+00	3.0900000E+00	3.0900000E+00	m	WPO40514	Y	N/A
2976	1,3	CONSTANT	1.8000000E+00	1.8000000E+00	1.8000000E+00	1.8000000E+00	m	WPO30640	Y	N/A
2976	1,3	CONSTANT	1.8000000E+00	1.8000000E+00	1.8000000E+00	1.8000000E+00	m	WPO30994	Y	N/A
2976	1,3	CONSTANT	1.8000000E+00	1.8000000E+00	1.8000000E+00	1.8000000E+00	m	WPO35597	Y	N/A
2976	1,3	CONSTANT	1.8000000E+00	1.8000000E+00	1.8000000E+00	1.8000000E+00	m	WPO40514	Y	N/A
2977	1,3	CONSTANT	3.5000000E+00	3.5000000E+00	3.5000000E+00	3.5000000E+00	m	WPO30640	Y	N/A
2977	1,3	CONSTANT	3.5000000E+00	3.5000000E+00	3.5000000E+00	3.5000000E+00	m	WPO30994	Y	N/A
2977	1,3	CONSTANT	3.5000000E+00	3.5000000E+00	3.5000000E+00	3.5000000E+00	m	WPO35597	Y	N/A
2977	1,3	CONSTANT	3.5000000E+00	3.5000000E+00	3.5000000E+00	3.5000000E+00	m	WPO40514	Y	N/A
2978	1,3	CONSTANT	2.3000000E+00	2.3000000E+00	2.3000000E+00	2.3000000E+00	m	WPO30640	Y	N/A
2978	1,3	CONSTANT	2.3000000E+00	2.3000000E+00	2.3000000E+00	2.3000000E+00	m	WPO30994	Y	N/A
2978	1,3	CONSTANT	2.3000000E+00	2.3000000E+00	2.3000000E+00	2.3000000E+00	m	WPO35597	Y	N/A
2978	1,3	CONSTANT	2.3000000E+00	2.3000000E+00	2.3000000E+00	2.3000000E+00	m	WPO40514	Y	N/A
2979	1,3,4	CONSTANT	1.0000000E+00	1.0000000E+00	1.0000000E+00	1.0000000E+00	m/m	WPO30640	Y	N/A
2979	1,3,4	CONSTANT	1.0000000E+00	1.0000000E+00	1.0000000E+00	1.0000000E+00	m/m	WPO30994	Y	N/A
2979	1,3,4	CONSTANT	1.0000000E+00	1.0000000E+00	1.0000000E+00	1.0000000E+00	m/m	WPO35597	Y	N/A
2980	1,3,4	CONSTANT	-2.0271600E+01	-2.0271600E+01	-2.0271600E+01	-2.0271600E+01	log(m^2)	WPO30640	Y&N	1,4
2980	1,3,4	CONSTANT	-2.0271600E+01	-2.0271600E+01	-2.0271600E+01	-2.0271600E+01	log(m^2)	WPO30994	Y&N	1,4
2980	1,3,4	CONSTANT	-2.0271600E+01	-2.0271600E+01	-2.0271600E+01	-2.0271600E+01	log(m^2)	WPO35597	Y&N	1,4
2981	1,3,4	CONSTANT	-2.2876100E+01	-2.2876100E+01	-2.2876100E+01	-2.2876100E+01	log(m^2)	WPO30640	Y&N	1,4
2981	1,3,4	CONSTANT	-2.2876100E+01	-2.2876100E+01	-2.2876100E+01	-2.2876100E+01	log(m^2)	WPO30994	Y&N	1,4
2981	1,3,4	CONSTANT	-2.2876100E+01	-2.2876100E+01	-2.2876100E+01	-2.2876100E+01	log(m^2)	WPO35597	Y&N	1,4
2982	1,3,4	CONSTANT	-1.7667600E+01	-1.7667600E+01	-1.7667600E+01	-1.7667600E+01	log(m^2)	WPO30640	Y&N	1,4
2982	1,3,4	CONSTANT	-1.7667600E+01	-1.7667600E+01	-1.7667600E+01	-1.7667600E+01	log(m^2)	WPO30994	Y&N	1,4

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 484 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y	varies	2982	SALT_T6	Shaft salt column compacted:time 200 to 10K years	PMLT_HI	Log triangular distribution high value for permeability	33648	13-Feb-96	Y	1
Y	50	2983	SALT_T6	Shaft salt column compacted:time 200 to 10K years	CAP_MOD	Model number, capillary pressure model	33633A	13-Feb-96	Y	4B
Y	50	2983	SALT_T6	Shaft salt column compacted:time 200 to 10K years	CAP_MOD	Model number, capillary pressure model	33633A	13-Feb-96	Y	4B
Y	50	2983	SALT_T6	Shaft salt column compacted:time 200 to 10K years	CAP_MOD	Model number, capillary pressure model	33633A	13-Feb-96	Y	4B
Y	50	2983	SALT_T6	Shaft salt column compacted:time 200 to 10K years	CAP_MOD	Model number, capillary pressure model	33633A	13-Feb-96	Y	4B
Y	50	2983	SALT_T6	Shaft salt column compacted:time 200 to 10K years	CAP_MOD	Model number, capillary pressure model	33633A	13-Feb-96	Y	4B
Y	50	2983	SALT_T6	Shaft salt column compacted:time 200 to 10K years	CAP_MOD	Model number, capillary pressure model	33633A	13-Feb-96	Y	4B
Y		2984	SALT_T6	Shaft salt column compacted:time 200 to 10K years	COMP_RCK	Bulk Compressibility	33635	13-Feb-96	Y	1
Y		2984	SALT_T6	Shaft salt column compacted:time 200 to 10K years	COMP_RCK	Bulk Compressibility	33635	13-Feb-96	Y	1
Y		2984	SALT_T6	Shaft salt column compacted:time 200 to 10K years	COMP_RCK	Bulk Compressibility	33635	13-Feb-96	Y	1
Y		2985	SALT_T6	Shaft salt column compacted:time 200 to 10K years	KPT	Flag for Permeability Determined Threshold	33640	20-Feb-96	Y	4B
Y		2985	SALT_T6	Shaft salt column compacted:time 200 to 10K years	KPT	Flag for Permeability Determined Threshold	33640	20-Feb-96	Y	4B
Y		2985	SALT_T6	Shaft salt column compacted:time 200 to 10K years	KPT	Flag for Permeability Determined Threshold	33640	20-Feb-96	Y	4B
Y		2985	SALT_T6	Shaft salt column compacted:time 200 to 10K years	KPT	Flag for Permeability Determined Threshold	33640	20-Feb-96	Y	4B
Y		2985	SALT_T6	Shaft salt column compacted:time 200 to 10K years	KPT	Flag for Permeability Determined Threshold	33640	20-Feb-96	Y	4B
Y		2986	SALT_T6	Shaft salt column compacted:time 200 to 10K years	PC_MAX	Maximum allowable capillary pressure	33647A	13-Feb-96	Y	4B
Y		2986	SALT_T6	Shaft salt column compacted:time 200 to 10K years	PC_MAX	Maximum allowable capillary pressure	33647A	13-Feb-96	Y	4B
Y		2986	SALT_T6	Shaft salt column compacted:time 200 to 10K years	PC_MAX	Maximum allowable capillary pressure	33647A	13-Feb-96	Y	4B
Y		2986	SALT_T6	Shaft salt column compacted:time 200 to 10K years	PC_MAX	Maximum allowable capillary pressure	33647A	13-Feb-96	Y	4B
Y		2986	SALT_T6	Shaft salt column compacted:time 200 to 10K years	PC_MAX	Maximum allowable capillary pressure	33647A	13-Feb-96	Y	4B
Y		2986	SALT_T6	Shaft salt column compacted:time 200 to 10K years	PC_MAX	Maximum allowable capillary pressure	33647A	13-Feb-96	Y	4B
Y	100	2987	SALT_T6	Shaft salt column compacted:time 200 to 10K years	PCT_A	Threshold Pressure Linear Parameter	33642	13-Feb-96	Y	1
Y	100	2987	SALT_T6	Shaft salt column compacted:time 200 to 10K years	PCT_A	Threshold Pressure Linear Parameter	33642	13-Feb-96	Y	1
Y	100	2987	SALT_T6	Shaft salt column compacted:time 200 to 10K years	PCT_A	Threshold Pressure Linear Parameter	33642	13-Feb-96	Y	1
Y	100	2987	SALT_T6	Shaft salt column compacted:time 200 to 10K years	PCT_A	Threshold Pressure Linear Parameter	33642	13-Feb-96	Y	1
Y	100	2988	SALT_T6	Shaft salt column compacted:time 200 to 10K years	PCT_EXP	Threshold pressure exponential parameter	33645	13-Feb-96	Y	1

CCA Parameter-Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
2982	1,3,4	CONSTANT	-1.7667600E+01	-1.7667600E+01	-1.7667600E+01	-1.7667600E+01	log(m ²)	WPO35597	Y&N	1,4
2983	1,3,4	CONSTANT	2.0000000E+00	2.0000000E+00	2.0000000E+00	2.0000000E+00	NONE	WPO30640	Y	N/A
2983	1,3,4	CONSTANT	2.0000000E+00	2.0000000E+00	2.0000000E+00	2.0000000E+00	NONE	WPO30994	Y	N/A
2983	1,3,4	CONSTANT	2.0000000E+00	2.0000000E+00	2.0000000E+00	2.0000000E+00	NONE	WPO35597	Y	N/A
2983	1,3,4	CONSTANT	2.0000000E+00	2.0000000E+00	2.0000000E+00	2.0000000E+00	NONE	WPO40486	Y	N/A
2983	1,3,4	CONSTANT	2.0000000E+00	2.0000000E+00	2.0000000E+00	2.0000000E+00	NONE	WPO40514	Y	N/A
2984	1,3,4	CONSTANT	1.6000000E-09	1.6000000E-09	1.6000000E-09	1.6000000E-09	Pa ⁻¹	WPO30640	Y&N	1,4
2984	1,3,4	CONSTANT	1.6000000E-09	1.6000000E-09	1.6000000E-09	1.6000000E-09	Pa ⁻¹	WPO30994	Y&N	1,4
2984	1,3,4	CONSTANT	1.6000000E-09	1.6000000E-09	1.6000000E-09	1.6000000E-09	Pa ⁻¹	WPO35597	Y&N	1,4
2985	1,3	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0.0000000E+00	NONE	WPO30640	Y	N/A
2985	1,3	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0.0000000E+00	NONE	WPO30994	Y	N/A
2985	1,3	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0.0000000E+00	NONE	WPO35333	Y	N/A
2985	1,3	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0.0000000E+00	NONE	WPO35597	Y	N/A
2985	1,3	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0.0000000E+00	NONE	WPO40514	Y	N/A
2986	1,3	CONSTANT	1.0000000E+08	1.0000000E+08	1.0000000E+08	1.0000000E+08	Pa	WPO30640	Y	N/A
2986	1,3	CONSTANT	1.0000000E+08	1.0000000E+08	1.0000000E+08	1.0000000E+08	Pa	WPO30994	Y	N/A
2986	1,3	CONSTANT	1.0000000E+08	1.0000000E+08	1.0000000E+08	1.0000000E+08	Pa	WPO35597	Y	N/A
2986	1,3	CONSTANT	1.0000000E+08	1.0000000E+08	1.0000000E+08	1.0000000E+08	Pa	WPO40486	Y	N/A
2986	1,3	CONSTANT	1.0000000E+08	1.0000000E+08	1.0000000E+08	1.0000000E+08	Pa	WPO40514	Y	N/A
2987	3,4	CONSTANT	5.6000000E-01	5.6000000E-01	5.6000000E-01	5.6000000E-01	Pa	WPO30640	Y	N/A
2987	3,4	CONSTANT	5.6000000E-01	5.6000000E-01	5.6000000E-01	5.6000000E-01	Pa	WPO30994	Y	N/A
2987	3,4	CONSTANT	5.6000000E-01	5.6000000E-01	5.6000000E-01	5.6000000E-01	Pa	WPO35597	Y	N/A
2987	3,4	CONSTANT	5.6000000E-01	5.6000000E-01	5.6000000E-01	5.6000000E-01	Pa	WPO40434	Y	N/A
2988	3,4	CONSTANT	-3.4600000E-01	-3.4600000E-01	-3.4600000E-01	-3.4600000E-01	NONE	WPO30640	Y	N/A

CCA Parameter-Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 464 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y	100	2988	SALT_T6	Shaft salt column compacted:time 200 to 10K years	PCT_EXP	Threshold pressure exponential parameter	33645	13-Feb-96	Y	1
Y	100	2988	SALT_T6	Shaft salt column compacted:time 200 to 10K years	PCT_EXP	Threshold pressure exponential parameter	33645	13-Feb-96	Y	1
Y	100	2988	SALT_T6	Shaft salt column compacted:time 200 to 10K years	PCT_EXP	Threshold pressure exponential parameter	33645	13-Feb-96	Y	1
Y	varies	2989	SALT_T6	Shaft salt column compacted:time 200 to 10K years	PORE_DIS	Brooks-Corey pore distribution parameter	33655	26-Feb-96	Y	1
Y	varies	2989	SALT_T6	Shaft salt column compacted:time 200 to 10K years	PORE_DIS	Brooks-Corey pore distribution parameter	33655	26-Feb-96	Y	1
Y	varies	2989	SALT_T6	Shaft salt column compacted:time 200 to 10K years	PORE_DIS	Brooks-Corey pore distribution parameter	33655	26-Feb-96	Y	1
Y	varies	2989	SALT_T6	Shaft salt column compacted:time 200 to 10K years	PORE_DIS	Brooks-Corey pore distribution parameter	33655	26-Feb-96	Y	1
Y	varies	2989	SALT_T6	Shaft salt column compacted:time 200 to 10K years	PORE_DIS	Brooks-Corey pore distribution parameter	33655	26-Feb-96	Y	1
Y	varies	2989	SALT_T6	Shaft salt column compacted:time 200 to 10K years	PORE_DIS	Brooks-Corey pore distribution parameter	33655	26-Feb-96	Y	1
Y	varies	2989	SALT_T6	Shaft salt column compacted:time 200 to 10K years	PORE_DIS	Brooks-Corey pore distribution parameter	33655	26-Feb-96	Y	1
Y		2990	SALT_T6	Shaft salt column compacted:time 200 to 10K years	POROSITY	Effective porosity	33657	13-Feb-96	Y	1
Y		2990	SALT_T6	Shaft salt column compacted:time 200 to 10K years	POROSITY	Effective porosity	33657	13-Feb-96	Y	1
Y		2990	SALT_T6	Shaft salt column compacted:time 200 to 10K years	POROSITY	Effective porosity	33657	13-Feb-96	Y	1
Y		2991	SALT_T6	Shaft salt column compacted:time 200 to 10K years	REL_P_MOD	Model number, relative permeability model	33478A	13-Feb-96	Y	4B
Y		2991	SALT_T6	Shaft salt column compacted:time 200 to 10K years	REL_P_MOD	Model number, relative permeability model	33478A	13-Feb-96	Y	4B
Y		2991	SALT_T6	Shaft salt column compacted:time 200 to 10K years	REL_P_MOD	Model number, relative permeability model	33478A	13-Feb-96	Y	4B
Y		2991	SALT_T6	Shaft salt column compacted:time 200 to 10K years	REL_P_MOD	Model number, relative permeability model	33478A	13-Feb-96	Y	4B
Y		2991	SALT_T6	Shaft salt column compacted:time 200 to 10K years	REL_P_MOD	Model number, relative permeability model	33478A	13-Feb-96	Y	4B
Y	100	2992	SALT_T6	Shaft salt column compacted:time 200 to 10K years	SAT_RBRN	Residual Brine Saturation	33483	13-Feb-96	Y	1
Y	100	2992	SALT_T6	Shaft salt column compacted:time 200 to 10K years	SAT_RBRN	Residual Brine Saturation	33483	13-Feb-96	Y	1
Y	100	2992	SALT_T6	Shaft salt column compacted:time 200 to 10K years	SAT_RBRN	Residual Brine Saturation	33483	13-Feb-96	Y	1
Y	100	2992	SALT_T6	Shaft salt column compacted:time 200 to 10K years	SAT_RBRN	Residual Brine Saturation	33483	13-Feb-96	Y	1
Y	100	2992	SALT_T6	Shaft salt column compacted:time 200 to 10K years	SAT_RBRN	Residual Brine Saturation	33483	13-Feb-96	Y	1
Y	100	2992	SALT_T6	Shaft salt column compacted:time 200 to 10K years	SAT_RBRN	Residual Brine Saturation	33483	13-Feb-96	Y	1

CCA Parameter-Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
2988	3,4	CONSTANT	-3.460000E-01	-3.460000E-01	-3.460000E-01	-3.460000E-01	NONE	WPO30994	Y	N/A
2988	3,4	CONSTANT	-3.460000E-01	-3.460000E-01	-3.460000E-01	-3.460000E-01	NONE	WPO35597	Y	N/A
2988	3,4	CONSTANT	-3.460000E-01	-3.460000E-01	-3.460000E-01	-3.460000E-01	NONE	WPO40434	Y	N/A
2989	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO30640	Y	N/A
2989	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO30994	Y	N/A
2989	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO32287	Y	N/A
2989	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO35268	Y	N/A
2989	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO35597	Y	N/A
2989	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO41558	Y	N/A
2989	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO42752	Y	N/A
2990	1,3,4	CONSTANT	5.000000E-02	5.000000E-02	5.000000E-02	5.000000E-02	m ³ /m ³	WPO30640	Y	N/A
2990	1,3,4	CONSTANT	5.000000E-02	5.000000E-02	5.000000E-02	5.000000E-02	m ³ /m ³	WPO30994	Y	N/A
2990	1,3,4	CONSTANT	5.000000E-02	5.000000E-02	5.000000E-02	5.000000E-02	m ³ /m ³	WPO35597	Y	N/A
2991	1,3	CONSTANT	4.000000E+00	4.000000E+00	4.000000E+00	4.000000E+00	NONE	WPO30640	Y	N/A
2991	1,3	CONSTANT	4.000000E+00	4.000000E+00	4.000000E+00	4.000000E+00	NONE	WPO30994	Y	N/A
2991	1,3	CONSTANT	4.000000E+00	4.000000E+00	4.000000E+00	4.000000E+00	NONE	WPO35597	Y	N/A
2991	1,3	CONSTANT	4.000000E+00	4.000000E+00	4.000000E+00	4.000000E+00	NONE	WPO40486	Y	N/A
2991	1,3	CONSTANT	4.000000E+00	4.000000E+00	4.000000E+00	4.000000E+00	NONE	WPO40514	Y	N/A
2992	3,4	CUMULATIVE	2.500000E-01	2.000000E-01	0.000000E+00	6.000000E-01	NONE	WPO30640	Y	N/A
2992	3,4	CUMULATIVE	2.500000E-01	2.000000E-01	0.000000E+00	6.000000E-01	NONE	WPO30994	Y	N/A
2992	3,4	CUMULATIVE	2.500000E-01	2.000000E-01	0.000000E+00	6.000000E-01	NONE	WPO35268	Y	N/A
2992	3,4	CUMULATIVE	2.500000E-01	2.000000E-01	0.000000E+00	6.000000E-01	NONE	WPO35597	Y	N/A
2992	3,4	CUMULATIVE	2.500000E-01	2.000000E-01	0.000000E+00	6.000000E-01	NONE	WPO41558	Y	N/A
2992	3,4	CUMULATIVE	2.500000E-01	2.000000E-01	0.000000E+00	6.000000E-01	NONE	WPO42751	Y	N/A

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WFO #)	Data Entry Date	Is the 464 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y	100	2993	SALT_T6	Shaft salt column compacted: time 200 to 10K years	SAT_RGAS	Residual Gas Saturation	33484	13-Feb-96	Y	1
Y	100	2993	SALT_T6	Shaft salt column compacted: time 200 to 10K years	SAT_RGAS	Residual Gas Saturation	33484	13-Feb-96	Y	1
Y	100	2993	SALT_T6	Shaft salt column compacted: time 200 to 10K years	SAT_RGAS	Residual Gas Saturation	33484	13-Feb-96	Y	1
Y	100	2993	SALT_T6	Shaft salt column compacted: time 200 to 10K years	SAT_RGAS	Residual Gas Saturation	33484	13-Feb-96	Y	1
Y		2994	CELLULS	Cellulose	FBETA	Factor beta for microbial reaction rates	31826	13-Feb-96	Y	4A
Y		2994	CELLULS	Cellulose	FBETA	Factor beta for microbial reaction rates	31826	13-Feb-96	Y	4A
Y		2994	CELLULS	Cellulose	FBETA	Factor beta for microbial reaction rates	31826	13-Feb-96	Y	4A
Y		2995	REPOSIT	Repository regions outside of Panel region	DPLSCRHW	Bulk density of plastic liners, RH waste	32449	13-Feb-96	Y	2
Y		2995	REPOSIT	Repository regions outside of Panel region	DPLSCRHW	Bulk density of plastic liners, RH waste	32449	13-Feb-96	Y	2
Y		2996	CLAY_RUS	Rustler Compacted Clay Column	RSH_AIR	Air-supply shaft radius (3.09 m)	31890A	13-Feb-96	Y	4B
Y		2996	CLAY_RUS	Rustler Compacted Clay Column	RSH_AIR	Air-supply shaft radius (3.09 m)	31890A	13-Feb-96	Y	4B
Y		2996	CLAY_RUS	Rustler Compacted Clay Column	RSH_AIR	Air-supply shaft radius (3.09 m)	31890A	13-Feb-96	Y	4B
Y		2996	CLAY_RUS	Rustler Compacted Clay Column	RSH_AIR	Air-supply shaft radius (3.09 m)	31890A	13-Feb-96	Y	4B
Y		2997	CLAY_RUS	Rustler Compacted Clay Column	RSH_SAL	Salt-handling shaft radius (1.8 m)	31892A	13-Feb-96	Y	4B
Y		2997	CLAY_RUS	Rustler Compacted Clay Column	RSH_SAL	Salt-handling shaft radius (1.8 m)	31892A	13-Feb-96	Y	4B
Y		2997	CLAY_RUS	Rustler Compacted Clay Column	RSH_SAL	Salt-handling shaft radius (1.8 m)	31892A	13-Feb-96	Y	4B
Y		2997	CLAY_RUS	Rustler Compacted Clay Column	RSH_SAL	Salt-handling shaft radius (1.8 m)	31892A	13-Feb-96	Y	4B
Y		2998	CLAY_RUS	Rustler Compacted Clay Column	RSH_WAS	Waste-handling shaft radius (3.5 m)	31893A	13-Feb-96	Y	4B
Y		2998	CLAY_RUS	Rustler Compacted Clay Column	RSH_WAS	Waste-handling shaft radius (3.5 m)	31893A	13-Feb-96	Y	4B
Y		2998	CLAY_RUS	Rustler Compacted Clay Column	RSH_WAS	Waste-handling shaft radius (3.5 m)	31893A	13-Feb-96	Y	4B
Y		2998	CLAY_RUS	Rustler Compacted Clay Column	RSH_WAS	Waste-handling shaft radius (3.5 m)	31893A	13-Feb-96	Y	4B
Y		2999	CLAY_RUS	Rustler Compacted Clay Column	RSH_EXH	Air-exhaust shaft radius (2.3 m)	31891A	13-Feb-96	--Y	4B
Y		2999	CLAY_RUS	Rustler Compacted Clay Column	RSH_EXH	Air-exhaust shaft radius (2.3 m)	31891A	13-Feb-96	Y	4B
Y		2999	CLAY_RUS	Rustler Compacted Clay Column	RSH_EXH	Air-exhaust shaft radius (2.3 m)	31891A	13-Feb-96	Y	4B
Y		2999	CLAY_RUS	Rustler Compacted Clay Column	RSH_EXH	Air-exhaust shaft radius (2.3 m)	31891A	13-Feb-96	Y	4B
Y	50	3000	CLAY_RUS	Rustler Compacted Clay Column	CAP_MOD	Model number, capillary pressure model	31877A	13-Feb-96	Y	4B
Y	50	3000	CLAY_RUS	Rustler Compacted Clay Column	CAP_MOD	Model number, capillary pressure model	31877A	13-Feb-96	Y	4B
Y	50	3000	CLAY_RUS	Rustler Compacted Clay Column	CAP_MOD	Model number, capillary pressure model	31877A	13-Feb-96	Y	4B
Y	50	3000	CLAY_RUS	Rustler Compacted Clay Column	CAP_MOD	Model number, capillary pressure model	31877A	13-Feb-96	Y	4B
Y	50	3000	CLAY_RUS	Rustler Compacted Clay Column	CAP_MOD	Model number, capillary pressure model	31877A	13-Feb-96	Y	4B
Y		3001	CLAY_RUS	Rustler Compacted Clay Column	COMP_RCK	Bulk Compressibility	31878	13-Feb-96	Y	1
Y		3001	CLAY_RUS	Rustler Compacted Clay Column	COMP_RCK	Bulk Compressibility	31878	13-Feb-96	Y	1
Y		3001	CLAY_RUS	Rustler Compacted Clay Column	COMP_RCK	Bulk Compressibility	31878	13-Feb-96	Y	1

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
2993	3,4	UNIFORM	2.000000E-01	2.000000E-01	0.000000E+00	4.000000E-01	NONE	WPO30640	Y	N/A
2993	3,4	UNIFORM	2.000000E-01	2.000000E-01	0.000000E+00	4.000000E-01	NONE	WPO30994	Y	N/A
2993	3,4	UNIFORM	2.000000E-01	2.000000E-01	0.000000E+00	4.000000E-01	NONE	WPO35597	Y	N/A
2993	3,4	UNIFORM	2.000000E-01	2.000000E-01	0.000000E+00	4.000000E-01	NONE	WPO41558	Y	N/A
2994	3,4	UNIFORM	5.000000E-01	5.000000E-01	0.000000E+00	1.000000E+00	NONE	WPO30819	Y	N/A
2994	3,4	UNIFORM	5.000000E-01	5.000000E-01	0.000000E+00	1.000000E+00	NONE	WPO35268	Y	N/A
2994	3,4	UNIFORM	5.000000E-01	5.000000E-01	0.000000E+00	1.000000E+00	NONE	WPO35597	Y	N/A
2995	2	CONSTANT	3.100000E+00	3.100000E+00	3.100000E+00	3.100000E+00	kg/m ³	WPO32328	Y	N/A
2995	2	CONSTANT	3.100000E+00	3.100000E+00	3.100000E+00	3.100000E+00	kg/m ³	WPO36048	Y	N/A
2996	1,3	CONSTANT	3.090000E+00	3.090000E+00	3.090000E+00	3.090000E+00	m	WPO30640	Y	N/A
2996	1,3	CONSTANT	3.090000E+00	3.090000E+00	3.090000E+00	3.090000E+00	m	WPO30994	Y	N/A
2996	1,3	CONSTANT	3.090000E+00	3.090000E+00	3.090000E+00	3.090000E+00	m	WPO35597	Y	N/A
2996	1,3	CONSTANT	3.090000E+00	3.090000E+00	3.090000E+00	3.090000E+00	m	WPO40514	Y	N/A
2997	1,3	CONSTANT	1.800000E+00	1.800000E+00	1.800000E+00	1.800000E+00	m	WPO30640	Y	N/A
2997	1,3	CONSTANT	1.800000E+00	1.800000E+00	1.800000E+00	1.800000E+00	m	WPO30994	Y	N/A
2997	1,3	CONSTANT	1.800000E+00	1.800000E+00	1.800000E+00	1.800000E+00	m	WPO35597	Y	N/A
2997	1,3	CONSTANT	1.800000E+00	1.800000E+00	1.800000E+00	1.800000E+00	m	WPO40514	Y	N/A
2998	1,3	CONSTANT	3.500000E+00	3.500000E+00	3.500000E+00	3.500000E+00	m	WPO30640	Y	N/A
2998	1,3	CONSTANT	3.500000E+00	3.500000E+00	3.500000E+00	3.500000E+00	m	WPO30994	Y	N/A
2998	1,3	CONSTANT	3.500000E+00	3.500000E+00	3.500000E+00	3.500000E+00	m	WPO35597	Y	N/A
2998	1,3	CONSTANT	3.500000E+00	3.500000E+00	3.500000E+00	3.500000E+00	m	WPO40514	Y	N/A
2999	1,3	CONSTANT	2.300000E+00	2.300000E+00	2.300000E+00	2.300000E+00	m	WPO30640	-Y	N/A
2999	1,3	CONSTANT	2.300000E+00	2.300000E+00	2.300000E+00	2.300000E+00	m	WPO30994	Y	N/A
2999	1,3	CONSTANT	2.300000E+00	2.300000E+00	2.300000E+00	2.300000E+00	m	WPO35597	Y	N/A
2999	1,3	CONSTANT	2.300000E+00	2.300000E+00	2.300000E+00	2.300000E+00	m	WPO40514	Y	N/A
3000	1,3,4	CONSTANT	2.000000E+00	2.000000E+00	2.000000E+00	2.000000E+00	NONE	WPO30640	Y	N/A
3000	1,3,4	CONSTANT	2.000000E+00	2.000000E+00	2.000000E+00	2.000000E+00	NONE	WPO30994	Y	N/A
3000	1,3,4	CONSTANT	2.000000E+00	2.000000E+00	2.000000E+00	2.000000E+00	NONE	WPO35597	Y	N/A
3000	1,3,4	CONSTANT	2.000000E+00	2.000000E+00	2.000000E+00	2.000000E+00	NONE	WPO40486	Y	N/A
3000	1,3,4	CONSTANT	2.000000E+00	2.000000E+00	2.000000E+00	2.000000E+00	NONE	WPO40514	Y	N/A
3001	1,3,4	CONSTANT	1.960000E-09	1.960000E-09	1.960000E-09	1.960000E-09	Pa ⁻¹	WPO30640	Y	N/A
3001	1,3,4	CONSTANT	1.960000E-09	1.960000E-09	1.960000E-09	1.960000E-09	Pa ⁻¹	WPO30994	Y	N/A
3001	1,3,4	CONSTANT	1.960000E-09	1.960000E-09	1.960000E-09	1.960000E-09	Pa ⁻¹	WPO35597	Y	N/A

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WFO #)	Data Entry Date	Is the 464 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		3002	CLAY_RUS	Rustler Compacted Clay Column	KPT	Flag for Permeability Determined Threshold	31879	20-Feb-96	Y	4B
Y		3002	CLAY_RUS	Rustler Compacted Clay Column	KPT	Flag for Permeability Determined Threshold	31879	20-Feb-96	Y	4B
Y		3002	CLAY_RUS	Rustler Compacted Clay Column	KPT	Flag for Permeability Determined Threshold	31879	20-Feb-96	Y	4B
Y		3002	CLAY_RUS	Rustler Compacted Clay Column	KPT	Flag for Permeability Determined Threshold	31879	20-Feb-96	Y	4B
Y		3002	CLAY_RUS	Rustler Compacted Clay Column	KPT	Flag for Permeability Determined Threshold	31879	20-Feb-96	Y	4B
Y		3003	CLAY_RUS	Rustler Compacted Clay Column	PC_MAX	Maximum allowable capillary pressure	31882A	13-Feb-96	Y	4B
Y		3003	CLAY_RUS	Rustler Compacted Clay Column	PC_MAX	Maximum allowable capillary pressure	31882A	13-Feb-96	Y	4B
Y		3003	CLAY_RUS	Rustler Compacted Clay Column	PC_MAX	Maximum allowable capillary pressure	31882A	13-Feb-96	Y	4B
Y		3003	CLAY_RUS	Rustler Compacted Clay Column	PC_MAX	Maximum allowable capillary pressure	31882A	13-Feb-96	Y	4B
Y		3003	CLAY_RUS	Rustler Compacted Clay Column	PC_MAX	Maximum allowable capillary pressure	31882A	13-Feb-96	Y	4B
Y	100	3004	CLAY_RUS	Rustler Compacted Clay Column	PCT_A	Threshold Pressure Linear Parameter	31880	13-Feb-96	Y	1
Y	100	3004	CLAY_RUS	Rustler Compacted Clay Column	PCT_A	Threshold Pressure Linear Parameter	31880	13-Feb-96	Y	1
Y	100	3004	CLAY_RUS	Rustler Compacted Clay Column	PCT_A	Threshold Pressure Linear Parameter	31880	13-Feb-96	Y	1
Y	100	3004	CLAY_RUS	Rustler Compacted Clay Column	PCT_A	Threshold Pressure Linear Parameter	31880	13-Feb-96	Y	1
Y	100	3005	CLAY_RUS	Rustler Compacted Clay Column	PCT_EXP	Threshold pressure exponential parameter	31881	13-Feb-96	Y	1
Y	100	3005	CLAY_RUS	Rustler Compacted Clay Column	PCT_EXP	Threshold pressure exponential parameter	31881	13-Feb-96	Y	1
Y	100	3005	CLAY_RUS	Rustler Compacted Clay Column	PCT_EXP	Threshold pressure exponential parameter	31881	13-Feb-96	Y	1
Y	100	3005	CLAY_RUS	Rustler Compacted Clay Column	PCT_EXP	Threshold pressure exponential parameter	31881	13-Feb-96	Y	1
Y	varies	3006	CLAY_RUS	Rustler Compacted Clay Column	PORE_DIS	Brooks-Corey pore distribution parameter	31883	20-Feb-96	Y	1
Y	varies	3006	CLAY_RUS	Rustler Compacted Clay Column	PORE_DIS	Brooks-Corey pore distribution parameter	31883	20-Feb-96	Y	1
Y	varies	3006	CLAY_RUS	Rustler Compacted Clay Column	PORE_DIS	Brooks-Corey pore distribution parameter	31883	20-Feb-96	Y	1
Y	varies	3006	CLAY_RUS	Rustler Compacted Clay Column	PORE_DIS	Brooks-Corey pore distribution parameter	31883	20-Feb-96	Y	1
Y	varies	3006	CLAY_RUS	Rustler Compacted Clay Column	PORE_DIS	Brooks-Corey pore distribution parameter	31883	20-Feb-96	Y	1
Y	varies	3006	CLAY_RUS	Rustler Compacted Clay Column	PORE_DIS	Brooks-Corey pore distribution parameter	31883	20-Feb-96	Y	1
Y		3007	CLAY_RUS	Rustler Compacted Clay Column	POROSITY	Effective porosity	31884	13-Feb-96	Y	1
Y		3007	CLAY_RUS	Rustler Compacted Clay Column	POROSITY	Effective porosity	31884	13-Feb-96	Y	1
Y		3007	CLAY_RUS	Rustler Compacted Clay Column	POROSITY	Effective porosity	31884	13-Feb-96	Y	1
Y		3008	CLAY_RUS	Rustler Compacted Clay Column	PRESSURE	Brine far-field pore pressure	31885	20-Feb-96	Y	1
Y		3008	CLAY_RUS	Rustler Compacted Clay Column	PRESSURE	Brine far-field pore pressure	31885	20-Feb-96	Y	1
Y	varies	3009	CLAY_RUS	Rustler Compacted Clay Column	PRMX_LOG	Log of intrinsic permeability, X-direction	31886	13-Feb-96	Y	1
Y	varies	3009	CLAY_RUS	Rustler Compacted Clay Column	PRMX_LOG	Log of intrinsic permeability, X-direction	31886	13-Feb-96	Y	1
Y	varies	3009	CLAY_RUS	Rustler Compacted Clay Column	PRMX_LOG	Log of intrinsic permeability, X-direction	31886	13-Feb-96	Y	1
Y	varies	3009	CLAY_RUS	Rustler Compacted Clay Column	PRMX_LOG	Log of intrinsic permeability, X-direction	31886	13-Feb-96	Y	1
Y	varies	3009	CLAY_RUS	Rustler Compacted Clay Column	PRMX_LOG	Log of intrinsic permeability, X-direction	31886	13-Feb-96	Y	1
Y		3010	CLAY_RUS	Rustler Compacted Clay Column	PRMY_LOG	Log of intrinsic permeability, Y-direction	31887	13-Feb-96	Y	1
Y		3010	CLAY_RUS	Rustler Compacted Clay Column	PRMY_LOG	Log of intrinsic permeability, Y-direction	31887	13-Feb-96	Y	1

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
3002	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO30994	Y	N/A
3002	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35271	Y	N/A
3002	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35333	Y	N/A
3002	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35597	Y	N/A
3002	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40514	Y	N/A
3003	1,3	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO30640	Y	N/A
3003	1,3	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO30994	Y	N/A
3003	1,3	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO35597	Y	N/A
3003	1,3	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO40486	Y	N/A
3003	1,3	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO40514	Y	N/A
3004	3,4	CONSTANT	5.600000E-01	5.600000E-01	5.600000E-01	5.600000E-01	Pa	WPO30640	Y	N/A
3004	3,4	CONSTANT	5.600000E-01	5.600000E-01	5.600000E-01	5.600000E-01	Pa	WPO30994	Y	N/A
3004	3,4	CONSTANT	5.600000E-01	5.600000E-01	5.600000E-01	5.600000E-01	Pa	WPO35597	Y	N/A
3004	3,4	CONSTANT	5.600000E-01	5.600000E-01	5.600000E-01	5.600000E-01	Pa	WPO40434	Y	N/A
3005	3,4	CONSTANT	-3.460000E-01	-3.460000E-01	-3.460000E-01	-3.460000E-01	NONE	WPO30640	Y	N/A
3005	3,4	CONSTANT	-3.460000E-01	-3.460000E-01	-3.460000E-01	-3.460000E-01	NONE	WPO30994	Y	N/A
3005	3,4	CONSTANT	-3.460000E-01	-3.460000E-01	-3.460000E-01	-3.460000E-01	NONE	WPO35597	Y	N/A
3005	3,4	CONSTANT	-3.460000E-01	-3.460000E-01	-3.460000E-01	-3.460000E-01	NONE	WPO40434	Y	N/A
3006	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO30640	Y	N/A
3006	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO30994	Y	N/A
3006	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO32287	Y	N/A
3006	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO35268	Y	N/A
3006	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO35597	Y	N/A
3006	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO41558	Y	N/A
3007	1,3,4	CONSTANT	2.400000E-01	2.400000E-01	2.400000E-01	2.400000E-01	m ³ /m ³	WPO30640	-Y	N/A
3007	1,3,4	CONSTANT	2.400000E-01	2.400000E-01	2.400000E-01	2.400000E-01	m ³ /m ³	WPO30994	Y	N/A
3007	1,3,4	CONSTANT	2.400000E-01	2.400000E-01	2.400000E-01	2.400000E-01	m ³ /m ³	WPO35597	Y	N/A
3008	3,5	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO35597	Y	N/A
3008	3,5	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO36058	Y	N/A
3009	1,3,4	TRIANGULAR	-1.886700E+01	-1.830100E+01	-2.100000E+01	-1.730100E+01	log(m ²)	WPO30640	Y&N	1
3009	1,3,4	TRIANGULAR	-1.886700E+01	-1.830100E+01	-2.100000E+01	-1.730100E+01	log(m ²)	WPO30994	Y&N	1
3009	1,3,4	TRIANGULAR	-1.886700E+01	-1.830100E+01	-2.100000E+01	-1.730100E+01	log(m ²)	WPO35268	Y&N	1
3009	1,3,4	TRIANGULAR	-1.886700E+01	-1.830100E+01	-2.100000E+01	-1.730100E+01	log(m ²)	WPO35597	Y&N	1
3009	1,3,4	TRIANGULAR	-1.886700E+01	-1.830100E+01	-2.100000E+01	-1.730100E+01	log(m ²)	WPO41558	Y&N	1
3010	1,3,4	TRIANGULAR	-1.886700E+01	-1.830100E+01	-2.100000E+01	-1.730100E+01	log(m ²)	WPO30640	Y&N	1
3010	1,3,4	TRIANGULAR	-1.886700E+01	-1.830100E+01	-2.100000E+01	-1.730100E+01	log(m ²)	WPO30994	Y&N	1

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 454 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		3010	CLAY_RUS	Rustler Compacted Clay Column	PRMY_LOG	Log of intrinsic permeability, Y-direction	31887	13-Feb-96	Y	1
Y		3010	CLAY_RUS	Rustler Compacted Clay Column	PRMY_LOG	Log of intrinsic permeability, Y-direction	31887	13-Feb-96	Y	1
Y		3010	CLAY_RUS	Rustler Compacted Clay Column	PRMY_LOG	Log of intrinsic permeability, Y-direction	31887	13-Feb-96	Y	1
Y		3011	CLAY_RUS	Rustler Compacted Clay Column	PRMZ_LOG	Log of intrinsic permeability, Z-direction	31888	13-Feb-96	Y	1
Y		3011	CLAY_RUS	Rustler Compacted Clay Column	PRMZ_LOG	Log of intrinsic permeability, Z-direction	31888	13-Feb-96	Y	1
Y		3011	CLAY_RUS	Rustler Compacted Clay Column	PRMZ_LOG	Log of intrinsic permeability, Z-direction	31888	13-Feb-96	Y	1
Y		3011	CLAY_RUS	Rustler Compacted Clay Column	PRMZ_LOG	Log of intrinsic permeability, Z-direction	31888	13-Feb-96	Y	1
Y		3011	CLAY_RUS	Rustler Compacted Clay Column	PRMZ_LOG	Log of intrinsic permeability, Z-direction	31888	13-Feb-96	Y	1
Y		3012	CLAY_RUS	Rustler Compacted Clay Column	RELP_MOD	Model number, relative permeability model	31889A	13-Feb-96	Y	4B
Y		3012	CLAY_RUS	Rustler Compacted Clay Column	RELP_MOD	Model number, relative permeability model	31889A	13-Feb-96	Y	4B
Y		3012	CLAY_RUS	Rustler Compacted Clay Column	RELP_MOD	Model number, relative permeability model	31889A	13-Feb-96	Y	4B
Y		3012	CLAY_RUS	Rustler Compacted Clay Column	RELP_MOD	Model number, relative permeability model	31889A	13-Feb-96	Y	4B
Y		3012	CLAY_RUS	Rustler Compacted Clay Column	RELP_MOD	Model number, relative permeability model	31889A	13-Feb-96	Y	4B
Y	-26.58	3013	CLAY_RUS	Rustler Compacted Clay Column	SAT_IBRN	Initial Brine Saturation	31894	13-Feb-96	Y	1
Y	-26.58	3013	CLAY_RUS	Rustler Compacted Clay Column	SAT_IBRN	Initial Brine Saturation	31894	13-Feb-96	Y	1
Y	-26.58	3013	CLAY_RUS	Rustler Compacted Clay Column	SAT_IBRN	Initial Brine Saturation	31894	13-Feb-96	Y	1
Y	-26.58	3013	CLAY_RUS	Rustler Compacted Clay Column	SAT_IBRN	Initial Brine Saturation	31894	13-Feb-96	Y	1
Y	100	3014	CLAY_RUS	Rustler Compacted Clay Column	SAT_RBRN	Residual Brine Saturation	31895	13-Feb-96	Y	1
Y	100	3014	CLAY_RUS	Rustler Compacted Clay Column	SAT_RBRN	Residual Brine Saturation	31895	13-Feb-96	Y	1
Y	100	3014	CLAY_RUS	Rustler Compacted Clay Column	SAT_RBRN	Residual Brine Saturation	31895	13-Feb-96	Y	1
Y	100	3014	CLAY_RUS	Rustler Compacted Clay Column	SAT_RBRN	Residual Brine Saturation	31895	13-Feb-96	Y	1
Y	100	3014	CLAY_RUS	Rustler Compacted Clay Column	SAT_RBRN	Residual Brine Saturation	31895	13-Feb-96	Y	1
Y	100	3014	CLAY_RUS	Rustler Compacted Clay Column	SAT_RBRN	Residual Brine Saturation	31895	13-Feb-96	Y	1
Y	100	3015	CLAY_RUS	Rustler Compacted Clay Column	SAT_RGAS	Residual Gas Saturation	31896	13-Feb-96	Y	1
Y	100	3015	CLAY_RUS	Rustler Compacted Clay Column	SAT_RGAS	Residual Gas Saturation	31896	13-Feb-96	- Y	1
Y	100	3015	CLAY_RUS	Rustler Compacted Clay Column	SAT_RGAS	Residual Gas Saturation	31896	13-Feb-96	Y	1
Y	100	3015	CLAY_RUS	Rustler Compacted Clay Column	SAT_RGAS	Residual Gas Saturation	31896	13-Feb-96	Y	1
Y	100	3015	CLAY_RUS	Rustler Compacted Clay Column	SAT_RGAS	Residual Gas Saturation	31896	13-Feb-96	Y	1
Y		3016	MAGENTA	Magenta Member	COMP_RCK	Bulk Compressibility	33249	13-Feb-96	Y	1
Y		3016	MAGENTA	Magenta Member	COMP_RCK	Bulk Compressibility	33249	13-Feb-96	Y	1
Y		3016	MAGENTA	Magenta Member	COMP_RCK	Bulk Compressibility	33249	13-Feb-96	Y	1
Y		3017	CL_L_T1	Lower Salado clay 0 to 10 years	RSH_AIR	Air-supply shaft radius (3.09 m)	31916A	15-Feb-96	Y	4B
Y		3017	CL_L_T1	Lower Salado clay 0 to 10 years	RSH_AIR	Air-supply shaft radius (3.09 m)	31916A	15-Feb-96	Y	4B
Y		3017	CL_L_T1	Lower Salado clay 0 to 10 years	RSH_AIR	Air-supply shaft radius (3.09 m)	31916A	15-Feb-96	Y	4B
Y		3017	CL_L_T1	Lower Salado clay 0 to 10 years	RSH_AIR	Air-supply shaft radius (3.09 m)	31916A	15-Feb-96	Y	4B
Y		3018	CL_L_T1	Lower Salado clay 0 to 10 years	RSH_SAL	Self-handing shaft radius (1.8 m)	31918A	20-Feb-96	Y	4B
Y		3018	CL_L_T1	Lower Salado clay 0 to 10 years	RSH_SAL	Self-handing shaft radius (1.8 m)	31918A	20-Feb-96	Y	4B

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to quality existing data? (footnote 3)
3010	1,3,4	TRIANGULAR	-1.8867000E+01	-1.8301000E+01	-2.1000000E+01	-1.7301000E+01	log(m ²)	WPO35268	Y&N	1
3010	1,3,4	TRIANGULAR	-1.8867000E+01	-1.8301000E+01	-2.1000000E+01	-1.7301000E+01	log(m ²)	WPO35597	Y&N	1
3010	1,3,4	TRIANGULAR	-1.8867000E+01	-1.8301000E+01	-2.1000000E+01	-1.7301000E+01	log(m ²)	WPO41558	Y&N	1
3011	1,3,4	TRIANGULAR	-1.8867000E+01	-1.8301000E+01	-2.1000000E+01	-1.7301000E+01	log(m ²)	WPO30640	Y&N	1
3011	1,3,4	TRIANGULAR	-1.8867000E+01	-1.8301000E+01	-2.1000000E+01	-1.7301000E+01	log(m ²)	WPO30994	Y&N	1
3011	1,3,4	TRIANGULAR	-1.8867000E+01	-1.8301000E+01	-2.1000000E+01	-1.7301000E+01	log(m ²)	WPO35268	Y&N	1
3011	1,3,4	TRIANGULAR	-1.8867000E+01	-1.8301000E+01	-2.1000000E+01	-1.7301000E+01	log(m ²)	WPO35597	Y&N	1
3011	1,3,4	TRIANGULAR	-1.8867000E+01	-1.8301000E+01	-2.1000000E+01	-1.7301000E+01	log(m ²)	WPO41558	Y&N	1
3012	1,3,4	CONSTANT	4.0000000E+00	4.0000000E+00	4.0000000E+00	4.0000000E+00	NONE	WPO30640	Y	N/A
3012	1,3,4	CONSTANT	4.0000000E+00	4.0000000E+00	4.0000000E+00	4.0000000E+00	NONE	WPO30994	Y	N/A
3012	1,3,4	CONSTANT	4.0000000E+00	4.0000000E+00	4.0000000E+00	4.0000000E+00	NONE	WPO35597	Y	N/A
3012	1,3,4	CONSTANT	4.0000000E+00	4.0000000E+00	4.0000000E+00	4.0000000E+00	NONE	WPO40486	Y	N/A
3012	1,3,4	CONSTANT	4.0000000E+00	4.0000000E+00	4.0000000E+00	4.0000000E+00	NONE	WPO40514	Y	N/A
3013	1,3,4	CONSTANT	7.9000000E-01	7.9000000E-01	7.9000000E-01	7.9000000E-01	NONE	WPO30640	Y	N/A
3013	1,3,4	CONSTANT	7.9000000E-01	7.9000000E-01	7.9000000E-01	7.9000000E-01	NONE	WPO30994	Y	N/A
3013	1,3,4	CONSTANT	7.9000000E-01	7.9000000E-01	7.9000000E-01	7.9000000E-01	NONE	WPO35597	Y	N/A
3013	1,3,4	CONSTANT	7.9000000E-01	7.9000000E-01	7.9000000E-01	7.9000000E-01	NONE	WPO40434	Y	N/A
3014	3,4	CUMULATIVE	2.5000000E-01	2.0000000E-01	0.0000000E+00	6.0000000E-01	NONE	WPO30640	Y	N/A
3014	3,4	CUMULATIVE	2.5000000E-01	2.0000000E-01	0.0000000E+00	6.0000000E-01	NONE	WPO30994	Y	N/A
3014	3,4	CUMULATIVE	2.5000000E-01	2.0000000E-01	0.0000000E+00	6.0000000E-01	NONE	WPO35268	Y	N/A
3014	3,4	CUMULATIVE	2.5000000E-01	2.0000000E-01	0.0000000E+00	6.0000000E-01	NONE	WPO35597	Y	N/A
3014	3,4	CUMULATIVE	2.5000000E-01	2.0000000E-01	0.0000000E+00	6.0000000E-01	NONE	WPO41558	Y	N/A
3014	3,4	CUMULATIVE	2.5000000E-01	2.0000000E-01	0.0000000E+00	6.0000000E-01	NONE	WPO42751	Y	N/A
3015	3,4	UNIFORM	2.0000000E-01	2.0000000E-01	0.0000000E+00	4.0000000E-01	NONE	WPO30640	Y	N/A
3015	3,4	UNIFORM	2.0000000E-01	2.0000000E-01	0.0000000E+00	4.0000000E-01	NONE	WPO30994	-Y	N/A
3015	3,4	UNIFORM	2.0000000E-01	2.0000000E-01	0.0000000E+00	4.0000000E-01	NONE	WPO35268	Y	N/A
3015	3,4	UNIFORM	2.0000000E-01	2.0000000E-01	0.0000000E+00	4.0000000E-01	NONE	WPO35597	Y	N/A
3015	3,4	UNIFORM	2.0000000E-01	2.0000000E-01	0.0000000E+00	4.0000000E-01	NONE	WPO41558	Y	N/A
3016	1	STUDENT	2.6440000E-10	2.6440000E-10	1.1620000E-10	4.5530000E-10	Pa ⁻¹	WPO30611	Y	N/A
3016	1	STUDENT	2.6440000E-10	2.6440000E-10	1.1620000E-10	4.5530000E-10	Pa ⁻¹	WPO35597	Y	N/A
3016	1	STUDENT	2.6440000E-10	2.6440000E-10	1.1620000E-10	4.5530000E-10	Pa ⁻¹	WPO36380	Y	N/A
3017	1,3	CONSTANT	3.0900000E+00	3.0900000E+00	3.0900000E+00	3.0900000E+00	m	WPO30640	Y	N/A
3017	1,3	CONSTANT	3.0900000E+00	3.0900000E+00	3.0900000E+00	3.0900000E+00	m	WPO30994	Y	N/A
3017	1,3	CONSTANT	3.0900000E+00	3.0900000E+00	3.0900000E+00	3.0900000E+00	m	WPO35597	Y	N/A
3017	1,3	CONSTANT	3.0900000E+00	3.0900000E+00	3.0900000E+00	3.0900000E+00	m	WPO40514	Y	N/A
3018	1,3	CONSTANT	1.8000000E+00	1.8000000E+00	1.8000000E+00	1.8000000E+00	m	WPO30640	Y	N/A
3018	1,3	CONSTANT	1.8000000E+00	1.8000000E+00	1.8000000E+00	1.8000000E+00	m	WPO30994	Y	N/A

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 464 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		3018	CL_L_T1	Lower Salado clay:0 to 10 years	RSH_SAL	Salt-handling shaft radius (1.8 m)	31918A	20-Feb-96	Y	4B
Y		3018	CL_L_T1	Lower Salado clay:0 to 10 years	RSH_SAL	Salt-handling shaft radius (1.8 m)	31918A	20-Feb-96	Y	4B
Y		3019	CL_L_T1	Lower Salado clay:0 to 10 years	RSH_WAS	Waste-handling shaft radius (3.5 m)	31919A	20-Feb-96	Y	4B
Y		3019	CL_L_T1	Lower Salado clay:0 to 10 years	RSH_WAS	Waste-handling shaft radius (3.5 m)	31919A	20-Feb-96	Y	4B
Y		3019	CL_L_T1	Lower Salado clay:0 to 10 years	RSH_WAS	Waste-handling shaft radius (3.5 m)	31919A	20-Feb-96	Y	4B
Y		3019	CL_L_T1	Lower Salado clay:0 to 10 years	RSH_WAS	Waste-handling shaft radius (3.5 m)	31919A	20-Feb-96	Y	4B
Y		3020	CL_L_T1	Lower Salado clay:0 to 10 years	RSH_EXH	Air-exhaust shaft radius (2.3 m)	31917A	15-Feb-96	Y	4B
Y		3020	CL_L_T1	Lower Salado clay:0 to 10 years	RSH_EXH	Air-exhaust shaft radius (2.3 m)	31917A	15-Feb-96	Y	4B
Y		3020	CL_L_T1	Lower Salado clay:0 to 10 years	RSH_EXH	Air-exhaust shaft radius (2.3 m)	31917A	15-Feb-96	Y	4B
Y		3020	CL_L_T1	Lower Salado clay:0 to 10 years	RSH_EXH	Air-exhaust shaft radius (2.3 m)	31917A	15-Feb-96	Y	4B
Y		3021	CL_L_T1	Lower Salado clay:0 to 10 years	RADN_DRZ	DRZ outer radius at each shaft	31913	15-Feb-96	Y	1
Y		3021	CL_L_T1	Lower Salado clay:0 to 10 years	RADN_DRZ	DRZ outer radius at each shaft	31913	15-Feb-96	Y	1
Y		3021	CL_L_T1	Lower Salado clay:0 to 10 years	RADN_DRZ	DRZ outer radius at each shaft	31913	15-Feb-96	Y	1
Y		3022	CL_L_T2	Lower Salado clay:10 to 25 years	RSH_AIR	Air-supply shaft radius (3.09 m)	31964A	15-Feb-96	Y	4B
Y		3022	CL_L_T2	Lower Salado clay:10 to 25 years	RSH_AIR	Air-supply shaft radius (3.09 m)	31964A	15-Feb-96	Y	4B
Y		3022	CL_L_T2	Lower Salado clay:10 to 25 years	RSH_AIR	Air-supply shaft radius (3.09 m)	31964A	15-Feb-96	Y	4B
Y		3022	CL_L_T2	Lower Salado clay:10 to 25 years	RSH_AIR	Air-supply shaft radius (3.09 m)	31964A	15-Feb-96	Y	4B
Y		3023	CL_L_T2	Lower Salado clay:10 to 25 years	RSH_SAL	Salt-handling shaft radius (1.8 m)	31966A	15-Feb-96	Y	4B
Y		3023	CL_L_T2	Lower Salado clay:10 to 25 years	RSH_SAL	Salt-handling shaft radius (1.8 m)	31966A	15-Feb-96	Y	4B
Y		3023	CL_L_T2	Lower Salado clay:10 to 25 years	RSH_SAL	Salt-handling shaft radius (1.8 m)	31966A	15-Feb-96	Y	4B
Y		3023	CL_L_T2	Lower Salado clay:10 to 25 years	RSH_SAL	Salt-handling shaft radius (1.8 m)	31966A	15-Feb-96	Y	4B
Y		3024	CL_L_T2	Lower Salado clay:10 to 25 years	RSH_WAS	Waste-handling shaft radius (3.5 m)	31967A	15-Feb-96	Y	4B
Y		3024	CL_L_T2	Lower Salado clay:10 to 25 years	RSH_WAS	Waste-handling shaft radius (3.5 m)	31967A	15-Feb-96	Y	4B
Y		3024	CL_L_T2	Lower Salado clay:10 to 25 years	RSH_WAS	Waste-handling shaft radius (3.5 m)	31967A	15-Feb-96	Y	4B
Y		3024	CL_L_T2	Lower Salado clay:10 to 25 years	RSH_WAS	Waste-handling shaft radius (3.5 m)	31967A	15-Feb-96	- Y	4B
Y		3025	CL_L_T2	Lower Salado clay:10 to 25 years	RSH_EXH	Air-exhaust shaft radius (2.3 m)	31965A	15-Feb-96	Y	4B
Y		3025	CL_L_T2	Lower Salado clay:10 to 25 years	RSH_EXH	Air-exhaust shaft radius (2.3 m)	31965A	15-Feb-96	Y	4B
Y		3025	CL_L_T2	Lower Salado clay:10 to 25 years	RSH_EXH	Air-exhaust shaft radius (2.3 m)	31965A	15-Feb-96	Y	4B
Y		3025	CL_L_T2	Lower Salado clay:10 to 25 years	RSH_EXH	Air-exhaust shaft radius (2.3 m)	31965A	15-Feb-96	Y	4B
Y		3026	CL_L_T2	Lower Salado clay:10 to 25 years	RADN_DRZ	DRZ outer radius at each shaft	31959	15-Feb-96	Y	1
Y		3026	CL_L_T2	Lower Salado clay:10 to 25 years	RADN_DRZ	DRZ outer radius at each shaft	31959	15-Feb-96	Y	1
Y		3026	CL_L_T2	Lower Salado clay:10 to 25 years	RADN_DRZ	DRZ outer radius at each shaft	31959	15-Feb-96	Y	1
Y		3027	CL_L_T3	Lower Salado clay:25 to 50 years	RSH_AIR	Air-supply shaft radius (3.09 m)	31999A	15-Feb-96	Y	4B
Y		3027	CL_L_T3	Lower Salado clay:25 to 50 years	RSH_AIR	Air-supply shaft radius (3.09 m)	31999A	15-Feb-96	Y	4B
Y		3027	CL_L_T3	Lower Salado clay:25 to 50 years	RSH_AIR	Air-supply shaft radius (3.09 m)	31999A	15-Feb-96	Y	4B
Y		3027	CL_L_T3	Lower Salado clay:25 to 50 years	RSH_AIR	Air-supply shaft radius (3.09 m)	31999A	15-Feb-96	Y	4B

CCA Parameter-Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
3018	1,3	CONSTANT	1.800000E+00	1.800000E+00	1.800000E+00	1.800000E+00	m	WPO35597	Y	N/A
3018	1,3	CONSTANT	1.800000E+00	1.800000E+00	1.800000E+00	1.800000E+00	m	WPO40514	Y	N/A
3019	1,3	CONSTANT	3.500000E+00	3.500000E+00	3.500000E+00	3.500000E+00	m	WPO30640	Y	N/A
3019	1,3	CONSTANT	3.500000E+00	3.500000E+00	3.500000E+00	3.500000E+00	m	WPO30994	Y	N/A
3019	1,3	CONSTANT	3.500000E+00	3.500000E+00	3.500000E+00	3.500000E+00	m	WPO35597	Y	N/A
3019	1,3	CONSTANT	3.500000E+00	3.500000E+00	3.500000E+00	3.500000E+00	m	WPO40514	Y	N/A
3020	1,3	CONSTANT	2.300000E+00	2.300000E+00	2.300000E+00	2.300000E+00	m	WPO30640	Y	N/A
3020	1,3	CONSTANT	2.300000E+00	2.300000E+00	2.300000E+00	2.300000E+00	m	WPO30994	Y	N/A
3020	1,3	CONSTANT	2.300000E+00	2.300000E+00	2.300000E+00	2.300000E+00	m	WPO35597	Y	N/A
3020	1,3	CONSTANT	2.300000E+00	2.300000E+00	2.300000E+00	2.300000E+00	m	WPO40514	Y	N/A
3021	1,3,4	CONSTANT	1.858000E+00	1.858000E+00	1.858000E+00	1.858000E+00	m/m	WPO30640	Y	N/A
3021	1,3,4	CONSTANT	1.858000E+00	1.858000E+00	1.858000E+00	1.858000E+00	m/m	WPO30994	Y	N/A
3021	1,3,4	CONSTANT	1.858000E+00	1.858000E+00	1.858000E+00	1.858000E+00	m/m	WPO35597	Y	N/A
3022	1,3	CONSTANT	3.090000E+00	3.090000E+00	3.090000E+00	3.090000E+00	m	WPO30640	Y	N/A
3022	1,3	CONSTANT	3.090000E+00	3.090000E+00	3.090000E+00	3.090000E+00	m	WPO30994	Y	N/A
3022	1,3	CONSTANT	3.090000E+00	3.090000E+00	3.090000E+00	3.090000E+00	m	WPO35597	Y	N/A
3022	1,3	CONSTANT	3.090000E+00	3.090000E+00	3.090000E+00	3.090000E+00	m	WPO40514	Y	N/A
3023	1,3	CONSTANT	1.800000E+00	1.800000E+00	1.800000E+00	1.800000E+00	m	WPO30640	Y	N/A
3023	1,3	CONSTANT	1.800000E+00	1.800000E+00	1.800000E+00	1.800000E+00	m	WPO30994	Y	N/A
3023	1,3	CONSTANT	1.800000E+00	1.800000E+00	1.800000E+00	1.800000E+00	m	WPO35597	Y	N/A
3023	1,3	CONSTANT	1.800000E+00	1.800000E+00	1.800000E+00	1.800000E+00	m	WPO40514	Y	N/A
3024	1,3	CONSTANT	3.500000E+00	3.500000E+00	3.500000E+00	3.500000E+00	m	WPO30640	Y	N/A
3024	1,3	CONSTANT	3.500000E+00	3.500000E+00	3.500000E+00	3.500000E+00	m	WPO30994	Y	N/A
3024	1,3	CONSTANT	3.500000E+00	3.500000E+00	3.500000E+00	3.500000E+00	m	WPO35597	Y	N/A
3024	1,3	CONSTANT	3.500000E+00	3.500000E+00	3.500000E+00	3.500000E+00	m	WPO40514	-Y	N/A
3025	1,3	CONSTANT	2.300000E+00	2.300000E+00	2.300000E+00	2.300000E+00	m	WPO30640	Y	N/A
3025	1,3	CONSTANT	2.300000E+00	2.300000E+00	2.300000E+00	2.300000E+00	m	WPO30994	Y	N/A
3025	1,3	CONSTANT	2.300000E+00	2.300000E+00	2.300000E+00	2.300000E+00	m	WPO35597	Y	N/A
3025	1,3	CONSTANT	2.300000E+00	2.300000E+00	2.300000E+00	2.300000E+00	m	WPO40514	Y	N/A
3026	1,3,4	CONSTANT	1.162000E+00	1.162000E+00	1.162000E+00	1.162000E+00	m/m	WPO30640	Y	N/A
3026	1,3,4	CONSTANT	1.162000E+00	1.162000E+00	1.162000E+00	1.162000E+00	m/m	WPO30994	Y	N/A
3026	1,3,4	CONSTANT	1.162000E+00	1.162000E+00	1.162000E+00	1.162000E+00	m/m	WPO35597	Y	N/A
3027	1,3	CONSTANT	3.090000E+00	3.090000E+00	3.090000E+00	3.090000E+00	m	WPO30640	Y	N/A
3027	1,3	CONSTANT	3.090000E+00	3.090000E+00	3.090000E+00	3.090000E+00	m	WPO30994	Y	N/A
3027	1,3	CONSTANT	3.090000E+00	3.090000E+00	3.090000E+00	3.090000E+00	m	WPO35597	Y	N/A
3027	1,3	CONSTANT	3.090000E+00	3.090000E+00	3.090000E+00	3.090000E+00	m	WPO40514	Y	N/A

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 484 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		3028	CL_L_T3	Lower Salado clay:25 to 50 years	RSH_SAL	Salt-handling shaft radius (1.8 m)	32001A	15-Feb-96	Y	4B
Y		3028	CL_L_T3	Lower Salado clay:25 to 50 years	RSH_SAL	Salt-handling shaft radius (1.8 m)	32001A	15-Feb-96	Y	4B
Y		3028	CL_L_T3	Lower Salado clay:25 to 50 years	RSH_SAL	Salt-handling shaft radius (1.8 m)	32001A	15-Feb-96	Y	4B
Y		3028	CL_L_T3	Lower Salado clay:25 to 50 years	RSH_SAL	Salt-handling shaft radius (1.8 m)	32001A	15-Feb-96	Y	4B
Y		3029	CL_L_T3	Lower Salado clay:25 to 50 years	RSH_WAS	Waste-handling shaft radius (3.5 m)	32002A	15-Feb-96	Y	4B
Y		3029	CL_L_T3	Lower Salado clay:25 to 50 years	RSH_WAS	Waste-handling shaft radius (3.5 m)	32002A	15-Feb-96	Y	4B
Y		3029	CL_L_T3	Lower Salado clay:25 to 50 years	RSH_WAS	Waste-handling shaft radius (3.5 m)	32002A	15-Feb-96	Y	4B
Y		3029	CL_L_T3	Lower Salado clay:25 to 50 years	RSH_WAS	Waste-handling shaft radius (3.5 m)	32002A	15-Feb-96	Y	4B
Y		3030	CL_L_T3	Lower Salado clay:25 to 50 years	RSH_EXH	Air-exhaust shaft radius (2.3 m)	32000A	15-Feb-96	Y	4B
Y		3030	CL_L_T3	Lower Salado clay:25 to 50 years	RSH_EXH	Air-exhaust shaft radius (2.3 m)	32000A	15-Feb-96	Y	4B
Y		3030	CL_L_T3	Lower Salado clay:25 to 50 years	RSH_EXH	Air-exhaust shaft radius (2.3 m)	32000A	15-Feb-96	Y	4B
Y		3030	CL_L_T3	Lower Salado clay:25 to 50 years	RSH_EXH	Air-exhaust shaft radius (2.3 m)	32000A	15-Feb-96	Y	4B
Y		3031	CL_L_T3	Lower Salado clay:25 to 50 years	RADN_DRZ	DRZ outer radius at each shaft	31996	15-Feb-96	Y	1
Y		3031	CL_L_T3	Lower Salado clay:25 to 50 years	RADN_DRZ	DRZ outer radius at each shaft	31996	15-Feb-96	Y	1
Y		3031	CL_L_T3	Lower Salado clay:25 to 50 years	RADN_DRZ	DRZ outer radius at each shaft	31996	15-Feb-96	Y	1
Y		3032	EARTH	Earthen Fill	RSH_AIR	Air-supply shaft radius (3.09 m)	32954A	15-Feb-96	Y	4B
Y		3032	EARTH	Earthen Fill	RSH_AIR	Air-supply shaft radius (3.09 m)	32954A	15-Feb-96	Y	4B
Y		3032	EARTH	Earthen Fill	RSH_AIR	Air-supply shaft radius (3.09 m)	32954A	15-Feb-96	Y	4B
Y		3032	EARTH	Earthen Fill	RSH_AIR	Air-supply shaft radius (3.09 m)	32954A	15-Feb-96	Y	4B
Y		3033	EARTH	Earthen Fill	RSH_SAL	Salt-handling shaft radius (1.8 m)	32957A	15-Feb-96	Y	4B
Y		3033	EARTH	Earthen Fill	RSH_SAL	Salt-handling shaft radius (1.8 m)	32957A	15-Feb-96	Y	4B
Y		3033	EARTH	Earthen Fill	RSH_SAL	Salt-handling shaft radius (1.8 m)	32957A	15-Feb-96	Y	4B
Y		3033	EARTH	Earthen Fill	RSH_SAL	Salt-handling shaft radius (1.8 m)	32957A	15-Feb-96	Y	4B
Y		3034	EARTH	Earthen Fill	RSH_WAS	Waste-handling shaft radius (3.5 m)	32959A	15-Feb-96	Y	4B
Y		3034	EARTH	Earthen Fill	RSH_WAS	Waste-handling shaft radius (3.5 m)	32959A	15-Feb-96	-Y	4B
Y		3034	EARTH	Earthen Fill	RSH_WAS	Waste-handling shaft radius (3.5 m)	32959A	15-Feb-96	Y	4B
Y		3034	EARTH	Earthen Fill	RSH_WAS	Waste-handling shaft radius (3.5 m)	32959A	15-Feb-96	Y	4B
Y		3035	EARTH	Earthen Fill	RSH_EXH	Air-exhaust shaft radius (2.3 m)	32956A	15-Feb-96	Y	4B
Y		3035	EARTH	Earthen Fill	RSH_EXH	Air-exhaust shaft radius (2.3 m)	32956A	15-Feb-96	Y	4B
Y		3035	EARTH	Earthen Fill	RSH_EXH	Air-exhaust shaft radius (2.3 m)	32956A	15-Feb-96	Y	4B
Y		3035	EARTH	Earthen Fill	RSH_EXH	Air-exhaust shaft radius (2.3 m)	32956A	15-Feb-96	Y	4B
Y		3036	CONC_T1	Concrete column:0 to 400 years	RSH_AIR	Air-supply shaft radius (3.09 m)	32607A	15-Feb-96	Y	4B
Y		3036	CONC_T1	Concrete column:0 to 400 years	RSH_AIR	Air-supply shaft radius (3.09 m)	32607A	15-Feb-96	Y	4B
Y		3036	CONC_T1	Concrete column:0 to 400 years	RSH_AIR	Air-supply shaft radius (3.09 m)	32607A	15-Feb-96	Y	4B
Y		3036	CONC_T1	Concrete column:0 to 400 years	RSH_AIR	Air-supply shaft radius (3.09 m)	32607A	15-Feb-96	Y	4B

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
3028	1,3	CONSTANT	1.800000E+00	1.800000E+00	1.800000E+00	1.800000E+00	m	WPO30640	Y	N/A
3028	1,3	CONSTANT	1.800000E+00	1.800000E+00	1.800000E+00	1.800000E+00	m	WPO30994	Y	N/A
3028	1,3	CONSTANT	1.800000E+00	1.800000E+00	1.800000E+00	1.800000E+00	m	WPO35597	Y	N/A
3028	1,3	CONSTANT	1.800000E+00	1.800000E+00	1.800000E+00	1.800000E+00	m	WPO40514	Y	N/A
3029	1,3	CONSTANT	3.500000E+00	3.500000E+00	3.500000E+00	3.500000E+00	m	WPO30640	Y	N/A
3029	1,3	CONSTANT	3.500000E+00	3.500000E+00	3.500000E+00	3.500000E+00	m	WPO30994	Y	N/A
3029	1,3	CONSTANT	3.500000E+00	3.500000E+00	3.500000E+00	3.500000E+00	m	WPO35597	Y	N/A
3029	1,3	CONSTANT	3.500000E+00	3.500000E+00	3.500000E+00	3.500000E+00	m	WPO40514	Y	N/A
3030	1,3	CONSTANT	2.300000E+00	2.300000E+00	2.300000E+00	2.300000E+00	m	WPO30640	Y	N/A
3030	1,3	CONSTANT	2.300000E+00	2.300000E+00	2.300000E+00	2.300000E+00	m	WPO30994	Y	N/A
3030	1,3	CONSTANT	2.300000E+00	2.300000E+00	2.300000E+00	2.300000E+00	m	WPO35597	Y	N/A
3030	1,3	CONSTANT	2.300000E+00	2.300000E+00	2.300000E+00	2.300000E+00	m	WPO40514	Y	N/A
3031	1,3,4	CONSTANT	1.002000E+00	1.002000E+00	1.002000E+00	1.002000E+00	m/m	WPO30640	Y	N/A
3031	1,3,4	CONSTANT	1.002000E+00	1.002000E+00	1.002000E+00	1.002000E+00	m/m	WPO30994	Y	N/A
3031	1,3,4	CONSTANT	1.002000E+00	1.002000E+00	1.002000E+00	1.002000E+00	m/m	WPO35597	Y	N/A
3032	1,3	CONSTANT	3.090000E+00	3.090000E+00	3.090000E+00	3.090000E+00	m	WPO30640	Y	N/A
3032	1,3	CONSTANT	3.090000E+00	3.090000E+00	3.090000E+00	3.090000E+00	m	WPO30994	Y	N/A
3032	1,3	CONSTANT	3.090000E+00	3.090000E+00	3.090000E+00	3.090000E+00	m	WPO35597	Y	N/A
3032	1,3	CONSTANT	3.090000E+00	3.090000E+00	3.090000E+00	3.090000E+00	m	WPO40514	Y	N/A
3033	1,3	CONSTANT	1.800000E+00	1.800000E+00	1.800000E+00	1.800000E+00	m	WPO30640	Y	N/A
3033	1,3	CONSTANT	1.800000E+00	1.800000E+00	1.800000E+00	1.800000E+00	m	WPO30994	Y	N/A
3033	1,3	CONSTANT	1.800000E+00	1.800000E+00	1.800000E+00	1.800000E+00	m	WPO35597	Y	N/A
3033	1,3	CONSTANT	1.800000E+00	1.800000E+00	1.800000E+00	1.800000E+00	m	WPO40514	Y	N/A
3034	1,3	CONSTANT	3.500000E+00	3.500000E+00	3.500000E+00	3.500000E+00	m	WPO30640	Y	N/A
3034	1,3	CONSTANT	3.500000E+00	3.500000E+00	3.500000E+00	3.500000E+00	m	WPO30994	- Y	N/A
3034	1,3	CONSTANT	3.500000E+00	3.500000E+00	3.500000E+00	3.500000E+00	m	WPO35597	Y	N/A
3034	1,3	CONSTANT	3.500000E+00	3.500000E+00	3.500000E+00	3.500000E+00	m	WPO40514	Y	N/A
3035	1,3	CONSTANT	2.300000E+00	2.300000E+00	2.300000E+00	2.300000E+00	m	WPO30640	Y	N/A
3035	1,3	CONSTANT	2.300000E+00	2.300000E+00	2.300000E+00	2.300000E+00	m	WPO30994	Y	N/A
3035	1,3	CONSTANT	2.300000E+00	2.300000E+00	2.300000E+00	2.300000E+00	m	WPO35333	Y	N/A
3035	1,3	CONSTANT	2.300000E+00	2.300000E+00	2.300000E+00	2.300000E+00	m	WPO35597	Y	N/A
3035	1,3	CONSTANT	2.300000E+00	2.300000E+00	2.300000E+00	2.300000E+00	m	WPO40514	Y	N/A
3036	1,3	CONSTANT	3.090000E+00	3.090000E+00	3.090000E+00	3.090000E+00	m	WPO30640	Y	N/A
3036	1,3	CONSTANT	3.090000E+00	3.090000E+00	3.090000E+00	3.090000E+00	m	WPO30994	Y	N/A
3036	1,3	CONSTANT	3.090000E+00	3.090000E+00	3.090000E+00	3.090000E+00	m	WPO35597	Y	N/A
3036	1,3	CONSTANT	3.090000E+00	3.090000E+00	3.090000E+00	3.090000E+00	m	WPO40514	Y	N/A

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WFO #)	Data Entry Date	Is the 484 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		3037	CONC_T1	Concrete column: 0 to 400 years	RSH_SAL	Salt-handling shaft radius (1.8 m)	32609A	15-Feb-96	Y	4B
Y		3037	CONC_T1	Concrete column: 0 to 400 years	RSH_SAL	Salt-handling shaft radius (1.8 m)	32609A	15-Feb-96	Y	4B
Y		3037	CONC_T1	Concrete column: 0 to 400 years	RSH_SAL	Salt-handling shaft radius (1.8 m)	32609A	15-Feb-96	Y	4B
Y		3037	CONC_T1	Concrete column: 0 to 400 years	RSH_SAL	Salt-handling shaft radius (1.8 m)	32609A	15-Feb-96	Y	4B
Y		3038	CONC_T1	Concrete column: 0 to 400 years	RSH_WAS	Waste-handling shaft radius (3.5 m)	32617A	15-Feb-96	Y	4B
Y		3038	CONC_T1	Concrete column: 0 to 400 years	RSH_WAS	Waste-handling shaft radius (3.5 m)	32617A	15-Feb-96	Y	4B
Y		3038	CONC_T1	Concrete column: 0 to 400 years	RSH_WAS	Waste-handling shaft radius (3.5 m)	32617A	15-Feb-96	Y	4B
Y		3038	CONC_T1	Concrete column: 0 to 400 years	RSH_WAS	Waste-handling shaft radius (3.5 m)	32617A	15-Feb-96	Y	4B
Y		3039	CONC_T1	Concrete column: 0 to 400 years	RSH_EXH	Air-exhaust shaft radius (2.3 m)	32608A	15-Feb-96	Y	4B
Y		3039	CONC_T1	Concrete column: 0 to 400 years	RSH_EXH	Air-exhaust shaft radius (2.3 m)	32608A	15-Feb-96	Y	4B
Y		3039	CONC_T1	Concrete column: 0 to 400 years	RSH_EXH	Air-exhaust shaft radius (2.3 m)	32608A	15-Feb-96	Y	4B
Y		3039	CONC_T1	Concrete column: 0 to 400 years	RSH_EXH	Air-exhaust shaft radius (2.3 m)	32608A	15-Feb-96	Y	4B
Y		3039	CONC_T1	Concrete column: 0 to 400 years	RSH_EXH	Air-exhaust shaft radius (2.3 m)	32608A	15-Feb-96	Y	4B
Y		3039	CONC_T1	Concrete column: 0 to 400 years	RSH_EXH	Air-exhaust shaft radius (2.3 m)	32608A	15-Feb-96	Y	4B
Y		3040	CONC_T1	Concrete column: 0 to 400 years	RADN_DRZ	DRZ outer radius at each shaft	32600	15-Feb-96	Y	1
Y		3040	CONC_T1	Concrete column: 0 to 400 years	RADN_DRZ	DRZ outer radius at each shaft	32600	15-Feb-96	Y	1
Y		3040	CONC_T1	Concrete column: 0 to 400 years	RADN_DRZ	DRZ outer radius at each shaft	32600	15-Feb-96	Y	1
Y		3041	CONC_T2	Concrete column: 400 to 10K years	RSH_AIR	Air-supply shaft radius (3.09 m)	32670A	15-Feb-96	Y	4B
Y		3041	CONC_T2	Concrete column: 400 to 10K years	RSH_AIR	Air-supply shaft radius (3.09 m)	32670A	15-Feb-96	Y	4B
Y		3041	CONC_T2	Concrete column: 400 to 10K years	RSH_AIR	Air-supply shaft radius (3.09 m)	32670A	15-Feb-96	Y	4B
Y		3041	CONC_T2	Concrete column: 400 to 10K years	RSH_AIR	Air-supply shaft radius (3.09 m)	32670A	15-Feb-96	Y	4B
Y		3042	CONC_T2	Concrete column: 400 to 10K years	RSH_SAL	Salt-handling shaft radius (1.8 m)	32672A	15-Feb-96	Y	4B
Y		3042	CONC_T2	Concrete column: 400 to 10K years	RSH_SAL	Salt-handling shaft radius (1.8 m)	32672A	15-Feb-96	Y	4B
Y		3042	CONC_T2	Concrete column: 400 to 10K years	RSH_SAL	Salt-handling shaft radius (1.8 m)	32672A	15-Feb-96	Y	4B
Y		3042	CONC_T2	Concrete column: 400 to 10K years	RSH_SAL	Salt-handling shaft radius (1.8 m)	32672A	15-Feb-96	Y	4B
Y		3042	CONC_T2	Concrete column: 400 to 10K years	RSH_SAL	Salt-handling shaft radius (1.8 m)	32672A	15-Feb-96	Y	4B
Y		3043	CONC_T2	Concrete column: 400 to 10K years	RSH_WAS	Waste-handling shaft radius (3.5 m)	32673A	15-Feb-96	Y	4B
Y		3043	CONC_T2	Concrete column: 400 to 10K years	RSH_WAS	Waste-handling shaft radius (3.5 m)	32673A	15-Feb-96	Y	4B
Y		3043	CONC_T2	Concrete column: 400 to 10K years	RSH_WAS	Waste-handling shaft radius (3.5 m)	32673A	15-Feb-96	Y	4B
Y		3043	CONC_T2	Concrete column: 400 to 10K years	RSH_WAS	Waste-handling shaft radius (3.5 m)	32673A	15-Feb-96	Y	4B

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
3037	1,3	CONSTANT	1.800000E+00	1.800000E+00	1.800000E+00	1.800000E+00	m	WPO30640	Y	N/A
3037	1,3	CONSTANT	1.800000E+00	1.800000E+00	1.800000E+00	1.800000E+00	m	WPO30994	Y	N/A
3037	1,3	CONSTANT	1.800000E+00	1.800000E+00	1.800000E+00	1.800000E+00	m	WPO35597	Y	N/A
3037	1,3	CONSTANT	1.800000E+00	1.800000E+00	1.800000E+00	1.800000E+00	m	WPO40514	Y	N/A
3038	1,3	CONSTANT	3.500000E+00	3.500000E+00	3.500000E+00	3.500000E+00	m	WPO30640	Y	N/A
3038	1,3	CONSTANT	3.500000E+00	3.500000E+00	3.500000E+00	3.500000E+00	m	WPO30994	Y	N/A
3038	1,3	CONSTANT	3.500000E+00	3.500000E+00	3.500000E+00	3.500000E+00	m	WPO35597	Y	N/A
3038	1,3	CONSTANT	3.500000E+00	3.500000E+00	3.500000E+00	3.500000E+00	m	WPO40514	Y	N/A
3039	1,3	CONSTANT	2.300000E+00	2.300000E+00	2.300000E+00	2.300000E+00	m	WPO30640	Y	N/A
3039	1,3	CONSTANT	2.300000E+00	2.300000E+00	2.300000E+00	2.300000E+00	m	WPO30994	Y	N/A
3039	1,3	CONSTANT	2.300000E+00	2.300000E+00	2.300000E+00	2.300000E+00	m	WPO32287	Y	N/A
3039	1,3	CONSTANT	2.300000E+00	2.300000E+00	2.300000E+00	2.300000E+00	m	WPO35268	Y	N/A
3039	1,3	CONSTANT	2.300000E+00	2.300000E+00	2.300000E+00	2.300000E+00	m	WPO35597	Y	N/A
3039	1,3	CONSTANT	2.300000E+00	2.300000E+00	2.300000E+00	2.300000E+00	m	WPO40514	Y	N/A
3040	1,3,4	CONSTANT	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	m/m	WPO30640	Y	N/A
3040	1,3,4	CONSTANT	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	m/m	WPO30994	Y	N/A
3040	1,3,4	CONSTANT	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	m/m	WPO35597	Y	N/A
3041	1,3	CONSTANT	3.090000E+00	3.090000E+00	3.090000E+00	3.090000E+00	m	WPO30640	Y	N/A
3041	1,3	CONSTANT	3.090000E+00	3.090000E+00	3.090000E+00	3.090000E+00	m	WPO30994	Y	N/A
3041	1,3	CONSTANT	3.090000E+00	3.090000E+00	3.090000E+00	3.090000E+00	m	WPO35597	Y	N/A
3041	1,3	CONSTANT	3.090000E+00	3.090000E+00	3.090000E+00	3.090000E+00	m	WPO40514	Y	N/A
3042	1,3	CONSTANT	1.800000E+00	1.800000E+00	1.800000E+00	1.800000E+00	m	WPO30640	Y	N/A
3042	1,3	CONSTANT	1.800000E+00	1.800000E+00	1.800000E+00	1.800000E+00	m	WPO30994	Y	N/A
3042	1,3	CONSTANT	1.800000E+00	1.800000E+00	1.800000E+00	1.800000E+00	m	WPO35268	Y	N/A
3042	1,3	CONSTANT	1.800000E+00	1.800000E+00	1.800000E+00	1.800000E+00	m	WPO35597	Y	N/A
3042	1,3	CONSTANT	1.800000E+00	1.800000E+00	1.800000E+00	1.800000E+00	m	WPO40514	Y	N/A
3043	1,3	CONSTANT	3.500000E+00	3.500000E+00	3.500000E+00	3.500000E+00	m	WPO30640	Y	N/A
3043	1,3	CONSTANT	3.500000E+00	3.500000E+00	3.500000E+00	3.500000E+00	m	WPO30994	Y	N/A
3043	1,3	CONSTANT	3.500000E+00	3.500000E+00	3.500000E+00	3.500000E+00	m	WPO35597	Y	N/A
3043	1,3	CONSTANT	3.500000E+00	3.500000E+00	3.500000E+00	3.500000E+00	m	WPO40514	Y	N/A

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 464 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		3044	CONC_T2	Concrete column:400 to 10K years	RSH_EXH	Air-exhaust shaft radius (2.3 m)	32671A	15-Feb-96	Y	4B
Y		3044	CONC_T2	Concrete column:400 to 10K years	RSH_EXH	Air-exhaust shaft radius (2.3 m)	32671A	15-Feb-96	Y	4B
Y		3044	CONC_T2	Concrete column:400 to 10K years	RSH_EXH	Air-exhaust shaft radius (2.3 m)	32671A	15-Feb-96	Y	4B
Y		3044	CONC_T2	Concrete column:400 to 10K years	RSH_EXH	Air-exhaust shaft radius (2.3 m)	32671A	15-Feb-96	Y	4B
Y		3044	CONC_T2	Concrete column:400 to 10K years	RSH_EXH	Air-exhaust shaft radius (2.3 m)	32671A	15-Feb-96	Y	4B
Y		3045	CONC_T2	Concrete column:400 to 10K years	RADN_DRZ	DRZ outer radius at each shaft	32667	15-Feb-96	Y	1
Y		3045	CONC_T2	Concrete column:400 to 10K years	RADN_DRZ	DRZ outer radius at each shaft	32667	15-Feb-96	Y	1
Y		3045	CONC_T2	Concrete column:400 to 10K years	RADN_DRZ	DRZ outer radius at each shaft	32667	15-Feb-96	Y	1
Y		3045	CONC_T2	Concrete column:400 to 10K years	RADN_DRZ	DRZ outer radius at each shaft	32667	15-Feb-96	Y	1
Y		3046	CONC_MON	Concrete Monolith	RSH_AIR	Air-supply shaft radius (3.09 m)	32532A	15-Feb-96	Y	4B
Y		3046	CONC_MON	Concrete Monolith	RSH_AIR	Air-supply shaft radius (3.09 m)	32532A	15-Feb-96	Y	4B
Y		3046	CONC_MON	Concrete Monolith	RSH_AIR	Air-supply shaft radius (3.09 m)	32532A	15-Feb-96	Y	4B
Y		3046	CONC_MON	Concrete Monolith	RSH_AIR	Air-supply shaft radius (3.09 m)	32532A	15-Feb-96	Y	4B
Y		3047	CONC_MON	Concrete Monolith	RSH_SAL	Salt-handling shaft radius (1.8 m)	32537A	15-Feb-96	Y	4B
Y		3047	CONC_MON	Concrete Monolith	RSH_SAL	Salt-handling shaft radius (1.8 m)	32537A	15-Feb-96	Y	4B
Y		3047	CONC_MON	Concrete Monolith	RSH_SAL	Salt-handling shaft radius (1.8 m)	32537A	15-Feb-96	Y	4B
Y		3047	CONC_MON	Concrete Monolith	RSH_SAL	Salt-handling shaft radius (1.8 m)	32537A	15-Feb-96	Y	4B
Y		3048	CONC_MON	Concrete Monolith	RSH_WAS	Waste-handling shaft radius (3.5 m)	32538A	15-Feb-96	Y	4B
Y		3048	CONC_MON	Concrete Monolith	RSH_WAS	Waste-handling shaft radius (3.5 m)	32538A	15-Feb-96	Y	4B
Y		3048	CONC_MON	Concrete Monolith	RSH_WAS	Waste-handling shaft radius (3.5 m)	32538A	15-Feb-96	Y	4B
Y		3048	CONC_MON	Concrete Monolith	RSH_WAS	Waste-handling shaft radius (3.5 m)	32538A	15-Feb-96	Y	4B
Y		3049	CONC_MON	Concrete Monolith	RSH_EXH	Air-exhaust shaft radius (2.3 m)	32534A	15-Feb-96	Y	4B
Y		3049	CONC_MON	Concrete Monolith	RSH_EXH	Air-exhaust shaft radius (2.3 m)	32534A	15-Feb-96	Y	4B
Y		3049	CONC_MON	Concrete Monolith	RSH_EXH	Air-exhaust shaft radius (2.3 m)	32534A	15-Feb-96	Y	4B
Y		3049	CONC_MON	Concrete Monolith	RSH_EXH	Air-exhaust shaft radius (2.3 m)	32534A	15-Feb-96	Y	4B
Y		3050	CONC_MON	Concrete Monolith	RADN_DRZ	DRZ outer radius at each shaft	32528	15-Feb-96	Y	1
Y		3050	CONC_MON	Concrete Monolith	RADN_DRZ	DRZ outer radius at each shaft	32528	15-Feb-96	Y	1
Y		3050	CONC_MON	Concrete Monolith	RADN_DRZ	DRZ outer radius at each shaft	32528	15-Feb-96	Y	1
Y	50	3051	CONC_MON	Concrete Monolith	CAP_MOD	Model number, capillary pressure model	32503A	15-Feb-96	Y	4B
Y	50	3051	CONC_MON	Concrete Monolith	CAP_MOD	Model number, capillary pressure model	32503A	15-Feb-96	Y	4B
Y	50	3051	CONC_MON	Concrete Monolith	CAP_MOD	Model number, capillary pressure model	32503A	15-Feb-96	Y	4B
Y	50	3051	CONC_MON	Concrete Monolith	CAP_MOD	Model number, capillary pressure model	32503A	15-Feb-96	Y	4B
Y	50	3051	CONC_MON	Concrete Monolith	CAP_MOD	Model number, capillary pressure model	32503A	15-Feb-96	Y	4B

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to quality existing data? (footnote 3)
3044	1,3	CONSTANT	2.300000E+00	2.300000E+00	2.300000E+00	2.300000E+00	m	WPO30640	Y	N/A
3044	1,3	CONSTANT	2.300000E+00	2.300000E+00	2.300000E+00	2.300000E+00	m	WPO30619	Y	N/A
3044	1,3	CONSTANT	2.300000E+00	2.300000E+00	2.300000E+00	2.300000E+00	m	WPO30994	Y	N/A
3044	1,3	CONSTANT	2.300000E+00	2.300000E+00	2.300000E+00	2.300000E+00	m	WPO35597	Y	N/A
3044	1,3	CONSTANT	2.300000E+00	2.300000E+00	2.300000E+00	2.300000E+00	m	WPO40514	Y	N/A
3045	1,3,4	CONSTANT	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	m/m	WPO30640	Y	N/A
3045	1,3,4	CONSTANT	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	m/m	WPO30994	Y	N/A
3045	1,3,4	CONSTANT	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	m/m	WPO35597	Y	N/A
3045	1,3,4	CONSTANT	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	m/m	WPO36048	Y	N/A
3046	1,3	CONSTANT	3.090000E+00	3.090000E+00	3.090000E+00	3.090000E+00	m	WPO30640	Y	N/A
3046	1,3	CONSTANT	3.090000E+00	3.090000E+00	3.090000E+00	3.090000E+00	m	WPO30994	Y	N/A
3046	1,3	CONSTANT	3.090000E+00	3.090000E+00	3.090000E+00	3.090000E+00	m	WPO35597	Y	N/A
3046	1,3	CONSTANT	3.090000E+00	3.090000E+00	3.090000E+00	3.090000E+00	m	WPO40514	Y	N/A
3047	1,3	CONSTANT	1.800000E+00	1.800000E+00	1.800000E+00	1.800000E+00	m	WPO30640	Y	N/A
3047	1,3	CONSTANT	1.800000E+00	1.800000E+00	1.800000E+00	1.800000E+00	m	WPO30994	Y	N/A
3047	1,3	CONSTANT	1.800000E+00	1.800000E+00	1.800000E+00	1.800000E+00	m	WPO35597	Y	N/A
3047	1,3	CONSTANT	1.800000E+00	1.800000E+00	1.800000E+00	1.800000E+00	m	WPO40514	Y	N/A
3048	1,3	CONSTANT	3.500000E+00	3.500000E+00	3.500000E+00	3.500000E+00	m	WPO30640	Y	N/A
3048	1,3	CONSTANT	3.500000E+00	3.500000E+00	3.500000E+00	3.500000E+00	m	WPO30994	Y	N/A
3048	1,3	CONSTANT	3.500000E+00	3.500000E+00	3.500000E+00	3.500000E+00	m	WPO35597	Y	N/A
3048	1,3	CONSTANT	3.500000E+00	3.500000E+00	3.500000E+00	3.500000E+00	m	WPO40514	Y	N/A
3049	1,3	CONSTANT	2.300000E+00	2.300000E+00	2.300000E+00	2.300000E+00	m	WPO30640	Y	N/A
3049	1,3	CONSTANT	2.300000E+00	2.300000E+00	2.300000E+00	2.300000E+00	m	WPO30994	Y	N/A
3049	1,3	CONSTANT	2.300000E+00	2.300000E+00	2.300000E+00	2.300000E+00	m	WPO35597	Y	N/A
3049	1,3	CONSTANT	2.300000E+00	2.300000E+00	2.300000E+00	2.300000E+00	m	WPO40514	Y	N/A
3050	1,3	CONSTANT	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	m/m	WPO30640	Y	N/A
3050	1,3	CONSTANT	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	m/m	WPO30994	Y	N/A
3050	1,3	CONSTANT	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	m/m	WPO35597	Y	N/A
3051	1,3,4	CONSTANT	2.000000E+00	2.000000E+00	2.000000E+00	2.000000E+00	NONE	WPO30640	Y	N/A
3051	1,3,4	CONSTANT	2.000000E+00	2.000000E+00	2.000000E+00	2.000000E+00	NONE	WPO30994	Y	N/A
3051	1,3,4	CONSTANT	2.000000E+00	2.000000E+00	2.000000E+00	2.000000E+00	NONE	WPO35597	Y	N/A
3051	1,3,4	CONSTANT	2.000000E+00	2.000000E+00	2.000000E+00	2.000000E+00	NONE	WPO40486	Y	N/A
3051	1,3,4	CONSTANT	2.000000E+00	2.000000E+00	2.000000E+00	2.000000E+00	NONE	WPO40514	Y	N/A

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 484 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		3052	CONC_MON	Concrete Monolith	COMP_RCK	Bulk Compressibility	32504	02-May-96	Y	4B
Y		3052	CONC_MON	Concrete Monolith	COMP_RCK	Bulk Compressibility	32504	02-May-96	Y	4B
Y		3052	CONC_MON	Concrete Monolith	COMP_RCK	Bulk Compressibility	32504	02-May-96	Y	4B
Y		3053	CONC_MON	Concrete Monolith	KPT	Flag for Permeability Determined Threshold	32507	20-Feb-96	Y	4B
Y		3053	CONC_MON	Concrete Monolith	KPT	Flag for Permeability Determined Threshold	32507	20-Feb-96	Y	4B
Y		3053	CONC_MON	Concrete Monolith	KPT	Flag for Permeability Determined Threshold	32507	20-Feb-96	Y	4B
Y		3053	CONC_MON	Concrete Monolith	KPT	Flag for Permeability Determined Threshold	32507	20-Feb-96	Y	4B
Y		3054	CONC_MON	Concrete Monolith	PC_MAX	Maximum allowable capillary pressure	32512A	15-Feb-96	Y	4B
Y		3054	CONC_MON	Concrete Monolith	PC_MAX	Maximum allowable capillary pressure	32512A	15-Feb-96	Y	4B
Y		3054	CONC_MON	Concrete Monolith	PC_MAX	Maximum allowable capillary pressure	32512A	15-Feb-96	Y	4B
Y		3054	CONC_MON	Concrete Monolith	PC_MAX	Maximum allowable capillary pressure	32512A	15-Feb-96	Y	4B
Y		3054	CONC_MON	Concrete Monolith	PC_MAX	Maximum allowable capillary pressure	32512A	15-Feb-96	Y	4B
Y	100	3055	CONC_MON	Concrete Monolith	PCT_A	Threshold Pressure Linear Parameter	32508	15-Feb-96	Y	1
Y	100	3055	CONC_MON	Concrete Monolith	PCT_A	Threshold Pressure Linear Parameter	32508	15-Feb-96	Y	1
Y	100	3055	CONC_MON	Concrete Monolith	PCT_A	Threshold Pressure Linear Parameter	32508	15-Feb-96	Y	1
Y	100	3055	CONC_MON	Concrete Monolith	PCT_A	Threshold Pressure Linear Parameter	32508	15-Feb-96	Y	1
Y	100	3056	CONC_MON	Concrete Monolith	PCT_EXP	Threshold pressure exponential parameter	32510	15-Feb-96	Y	1
Y	100	3056	CONC_MON	Concrete Monolith	PCT_EXP	Threshold pressure exponential parameter	32510	15-Feb-96	Y	1
Y	100	3056	CONC_MON	Concrete Monolith	PCT_EXP	Threshold pressure exponential parameter	32510	15-Feb-96	Y	1
Y	100	3056	CONC_MON	Concrete Monolith	PCT_EXP	Threshold pressure exponential parameter	32510	15-Feb-96	Y	1
Y	varies	3057	CONC_MON	Concrete Monolith	PORE_DIS	Brooks-Corey pore distribution parameter	32514	20-Feb-96	Y	1
Y	varies	3057	CONC_MON	Concrete Monolith	PORE_DIS	Brooks-Corey pore distribution parameter	32514	20-Feb-96	Y	1
Y	varies	3057	CONC_MON	Concrete Monolith	PORE_DIS	Brooks-Corey pore distribution parameter	32514	20-Feb-96	Y	1
Y	varies	3057	CONC_MON	Concrete Monolith	PORE_DIS	Brooks-Corey pore distribution parameter	32514	20-Feb-96	Y	1
Y	varies	3057	CONC_MON	Concrete Monolith	PORE_DIS	Brooks-Corey pore distribution parameter	32514	20-Feb-96	Y	1
Y	varies	3057	CONC_MON	Concrete Monolith	PORE_DIS	Brooks-Corey pore distribution parameter	32514	20-Feb-96	Y	1
Y		3058	CONC_MON	Concrete Monolith	POROSITY	Effective porosity	32516	15-Feb-96	Y	1
Y		3058	CONC_MON	Concrete Monolith	POROSITY	Effective porosity	32516	15-Feb-96	Y	1
Y		3058	CONC_MON	Concrete Monolith	POROSITY	Effective porosity	32516	15-Feb-96	Y	1
Y		3059	CONC_MON	Concrete Monolith	PRMX_LOG	Log of intrinsic permeability, X-direction	32520	15-Feb-96	Y	1
Y		3059	CONC_MON	Concrete Monolith	PRMX_LOG	Log of intrinsic permeability, X-direction	32520	15-Feb-96	Y	1
Y		3059	CONC_MON	Concrete Monolith	PRMX_LOG	Log of intrinsic permeability, X-direction	32520	15-Feb-96	Y	1
Y		3060	CONC_MON	Concrete Monolith	PRMY_LOG	Log of intrinsic permeability, Y-direction	32522	15-Feb-96	Y	1
Y		3060	CONC_MON	Concrete Monolith	PRMY_LOG	Log of intrinsic permeability, Y-direction	32522	15-Feb-96	Y	1
Y		3060	CONC_MON	Concrete Monolith	PRMY_LOG	Log of intrinsic permeability, Y-direction	32522	15-Feb-96	Y	1
Y		3061	CONC_MON	Concrete Monolith	PRMZ_LOG	Log of intrinsic permeability, Z-direction	32527	15-Feb-96	Y	1
Y		3061	CONC_MON	Concrete Monolith	PRMZ_LOG	Log of intrinsic permeability, Z-direction	32527	15-Feb-96	Y	1

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
3052	1,3,4	CONSTANT	1.200000E-09	1.200000E-09	1.200000E-09	1.200000E-09	Pa ⁻¹	WPO30640	Y	N/A
3052	1,3,4	CONSTANT	1.200000E-09	1.200000E-09	1.200000E-09	1.200000E-09	Pa ⁻¹	WPO35597	Y	N/A
3052	1,3,4	CONSTANT	1.200000E-09	1.200000E-09	1.200000E-09	1.200000E-09	Pa ⁻¹	WPO40514	Y	N/A
3053	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35271	Y	N/A
3053	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35333	Y	N/A
3053	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35597	Y	N/A
3053	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40514	Y	N/A
3054	3,5	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO30640	Y	N/A
3054	3,5	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO30994	Y	N/A
3054	3,5	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO35597	Y	N/A
3054	3,5	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO40486	Y	N/A
3054	3,5	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO40514	Y	N/A
3055	3,4	CONSTANT	5.600000E-01	5.600000E-01	5.600000E-01	5.600000E-01	Pa	WPO30640	Y	N/A
3055	3,4	CONSTANT	5.600000E-01	5.600000E-01	5.600000E-01	5.600000E-01	Pa	WPO30994	Y	N/A
3055	3,4	CONSTANT	5.600000E-01	5.600000E-01	5.600000E-01	5.600000E-01	Pa	WPO35597	Y	N/A
3055	3,4	CONSTANT	5.600000E-01	5.600000E-01	5.600000E-01	5.600000E-01	Pa	WPO40434	Y	N/A
3056	3,4	CONSTANT	-3.460000E-01	-3.460000E-01	-3.460000E-01	-3.460000E-01	NONE	WPO30640	Y	N/A
3056	3,4	CONSTANT	-3.460000E-01	-3.460000E-01	-3.460000E-01	-3.460000E-01	NONE	WPO30994	Y	N/A
3056	3,4	CONSTANT	-3.460000E-01	-3.460000E-01	-3.460000E-01	-3.460000E-01	NONE	WPO35597	Y	N/A
3056	3,4	CONSTANT	-3.460000E-01	-3.460000E-01	-3.460000E-01	-3.460000E-01	NONE	WPO40434	Y	N/A
3057	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO30640	Y	N/A
3057	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO30994	Y	N/A
3057	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO32287	Y	N/A
3057	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO35268	Y	N/A
3057	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO35597	Y	N/A
3057	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO41558	-Y	N/A
3057	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO42752	Y	N/A
3058	3,4	CONSTANT	5.000000E-02	5.000000E-02	5.000000E-02	5.000000E-02	m ³ /m ³	WPO30640	N	1
3058	3,4	CONSTANT	5.000000E-02	5.000000E-02	5.000000E-02	5.000000E-02	m ³ /m ³	WPO30994	N	1
3058	3,4	CONSTANT	5.000000E-02	5.000000E-02	5.000000E-02	5.000000E-02	m ³ /m ³	WPO35597	N	1
3059	3,4	CONSTANT	-1.400000E+01	-1.400000E+01	-1.400000E+01	-1.400000E+01	log(m ²)	WPO30640	N	1
3059	3,4	CONSTANT	-1.400000E+01	-1.400000E+01	-1.400000E+01	-1.400000E+01	log(m ²)	WPO30994	N	1
3059	3,4	CONSTANT	-1.400000E+01	-1.400000E+01	-1.400000E+01	-1.400000E+01	log(m ²)	WPO35597	N	1
3060	3,4	CONSTANT	-1.400000E+01	-1.400000E+01	-1.400000E+01	-1.400000E+01	log(m ²)	WPO30640	N	1
3060	3,4	CONSTANT	-1.400000E+01	-1.400000E+01	-1.400000E+01	-1.400000E+01	log(m ²)	WPO30994	N	1
3060	3,4	CONSTANT	-1.400000E+01	-1.400000E+01	-1.400000E+01	-1.400000E+01	log(m ²)	WPO35597	N	1
3061	3,4	CONSTANT	-1.400000E+01	-1.400000E+01	-1.400000E+01	-1.400000E+01	log(m ²)	WPO30640	N	1
3061	3,4	CONSTANT	-1.400000E+01	-1.400000E+01	-1.400000E+01	-1.400000E+01	log(m ²)	WPO30994	N	1

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Date Entry	Is the 464 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		3061	CONC_MON	Concrete Monolith	PRMZ_LOG	Log of intrinsic permeability, Z-direction	32527	15-Feb-96	Y	1
Y		3062	CONC_MON	Concrete Monolith	RELP_MOD	Model number, relative permeability model	32530A	15-Feb-96	Y	4B
Y		3062	CONC_MON	Concrete Monolith	RELP_MOD	Model number, relative permeability model	32530A	15-Feb-96	Y	4B
Y		3062	CONC_MON	Concrete Monolith	RELP_MOD	Model number, relative permeability model	32530A	15-Feb-96	Y	4B
Y		3062	CONC_MON	Concrete Monolith	RELP_MOD	Model number, relative permeability model	32530A	15-Feb-96	Y	4B
Y		3062	CONC_MON	Concrete Monolith	RELP_MOD	Model number, relative permeability model	32530A	15-Feb-96	Y	4B
Y	100	3063	CONC_MON	Concrete Monolith	SAT_RBRN	Residual Brine Saturation	32542	15-Feb-96	Y	1
Y	100	3063	CONC_MON	Concrete Monolith	SAT_RBRN	Residual Brine Saturation	32542	15-Feb-96	Y	1
Y	100	3063	CONC_MON	Concrete Monolith	SAT_RBRN	Residual Brine Saturation	32542	15-Feb-96	Y	1
Y	100	3063	CONC_MON	Concrete Monolith	SAT_RBRN	Residual Brine Saturation	32542	15-Feb-96	Y	1
Y	100	3063	CONC_MON	Concrete Monolith	SAT_RBRN	Residual Brine Saturation	32542	15-Feb-96	Y	1
Y	100	3063	CONC_MON	Concrete Monolith	SAT_RBRN	Residual Brine Saturation	32542	15-Feb-96	Y	1
Y	100	3064	CONC_MON	Concrete Monolith	SAT_RGAS	Residual Gas Saturation	32546	15-Feb-96	Y	1
Y	100	3064	CONC_MON	Concrete Monolith	SAT_RGAS	Residual Gas Saturation	32546	15-Feb-96	Y	1
Y	100	3064	CONC_MON	Concrete Monolith	SAT_RGAS	Residual Gas Saturation	32546	15-Feb-96	Y	1
Y	100	3064	CONC_MON	Concrete Monolith	SAT_RGAS	Residual Gas Saturation	32546	15-Feb-96	Y	1
Y		3065	CL_L_T4	Lower Salado clay:50 to 10K years	RSH_AIR	Air-supply shaft radius (3.09 m)	32021A	15-Feb-96	Y	4B
Y		3065	CL_L_T4	Lower Salado clay:50 to 10K years	RSH_AIR	Air-supply shaft radius (3.09 m)	32021A	15-Feb-96	Y	4B
Y		3065	CL_L_T4	Lower Salado clay:50 to 10K years	RSH_AIR	Air-supply shaft radius (3.09 m)	32021A	15-Feb-96	Y	4B
Y		3065	CL_L_T4	Lower Salado clay:50 to 10K years	RSH_AIR	Air-supply shaft radius (3.09 m)	32021A	15-Feb-96	Y	4B
Y		3066	CL_L_T4	Lower Salado clay:50 to 10K years	RSH_SAL	Salt-handling shaft radius (1.8 m)	32023A	15-Feb-96	Y	4B
Y		3066	CL_L_T4	Lower Salado clay:50 to 10K years	RSH_SAL	Salt-handling shaft radius (1.8 m)	32023A	15-Feb-96	Y	4B
Y		3066	CL_L_T4	Lower Salado clay:50 to 10K years	RSH_SAL	Salt-handling shaft radius (1.8 m)	32023A	15-Feb-96	Y	4B
Y		3066	CL_L_T4	Lower Salado clay:50 to 10K years	RSH_SAL	Salt-handling shaft radius (1.8 m)	32023A	15-Feb-96	Y	4B
Y		3067	CL_L_T4	Lower Salado clay:50 to 10K years	RSH_WAS	Waste-handling shaft radius (3.5 m)	32024A	15-Feb-96	Y	4B
Y		3067	CL_L_T4	Lower Salado clay 50 to 10K years	RSH_WAS	Waste-handling shaft radius (3.5 m)	32024A	15-Feb-96	Y	4B
Y		3067	CL_L_T4	Lower Salado clay 50 to 10K years	RSH_WAS	Waste-handling shaft radius (3.5 m)	32024A	15-Feb-96	Y	4B
Y		3067	CL_L_T4	Lower Salado clay 50 to 10K years	RSH_WAS	Waste-handling shaft radius (3.5 m)	32024A	15-Feb-96	Y	4B
Y		3068	CL_L_T4	Lower Salado clay 50 to 10K years	RSH_EXH	Air-exhaust shaft radius (2.3 m)	32022A	15-Feb-96	Y	4B
Y		3068	CL_L_T4	Lower Salado clay 50 to 10K years	RSH_EXH	Air-exhaust shaft radius (2.3 m)	32022A	15-Feb-96	Y	4B
Y		3068	CL_L_T4	Lower Salado clay 50 to 10K years	RSH_EXH	Air-exhaust shaft radius (2.3 m)	32022A	15-Feb-96	Y	4B
Y		3068	CL_L_T4	Lower Salado clay 50 to 10K years	RSH_EXH	Air-exhaust shaft radius (2.3 m)	32022A	15-Feb-96	Y	4B
Y		3069	CL_L_T4	Lower Salado clay 50 to 10K years	RADN_DRZ	DRZ outer radius at each shaft	32019	15-Feb-96	Y	1
Y		3069	CL_L_T4	Lower Salado clay 50 to 10K years	RADN_DRZ	DRZ outer radius at each shaft	32019	15-Feb-96	Y	1
Y		3069	CL_L_T4	Lower Salado clay 50 to 10K years	RADN_DRZ	DRZ outer radius at each shaft	32019	15-Feb-96	Y	1
Y	50	3070	CL_L_T4	Lower Salado clay 50 to 10K years	CAP_MOD	Model number capillary pressure model	32007A	15-Feb-96	Y	4B
Y	50	3070	CL_L_T4	Lower Salado clay 50 to 10K years	CAP_MOD	Model number capillary pressure model	32007A	15-Feb-96	Y	4B
Y	50	3070	CL_L_T4	Lower Salado clay 50 to 10K years	CAP_MOD	Model number capillary pressure model	32007A	15-Feb-96	Y	4B
Y	50	3070	CL_L_T4	Lower Salado clay 50 to 10K years	CAP_MOD	Model number capillary pressure model	32007A	15-Feb-96	Y	4B

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
3061	3,4	CONSTANT	-1.400000E+01	-1.400000E+01	-1.400000E+01	-1.400000E+01	log(m ²)	WPO35597	N	1
3062	1,3,4	CONSTANT	4.000000E+00	4.000000E+00	4.000000E+00	4.000000E+00	NONE	WPO30640	Y	N/A
3062	1,3,4	CONSTANT	4.000000E+00	4.000000E+00	4.000000E+00	4.000000E+00	NONE	WPO30994	Y	N/A
3062	1,3,4	CONSTANT	4.000000E+00	4.000000E+00	4.000000E+00	4.000000E+00	NONE	WPO35597	Y	N/A
3062	1,3,4	CONSTANT	4.000000E+00	4.000000E+00	4.000000E+00	4.000000E+00	NONE	WPO40486	Y	N/A
3062	1,3,4	CONSTANT	4.000000E+00	4.000000E+00	4.000000E+00	4.000000E+00	NONE	WPO40514	Y	N/A
3063	3,4	CUMULATIVE	2.500000E-01	2.000000E-01	0.000000E+00	6.000000E-01	NONE	WPO30640	Y	N/A
3063	3,4	CUMULATIVE	2.500000E-01	2.000000E-01	0.000000E+00	6.000000E-01	NONE	WPO30994	Y	N/A
3063	3,4	CUMULATIVE	2.500000E-01	2.000000E-01	0.000000E+00	6.000000E-01	NONE	WPO35268	Y	N/A
3063	3,4	CUMULATIVE	2.500000E-01	2.000000E-01	0.000000E+00	6.000000E-01	NONE	WPO35597	Y	N/A
3063	3,4	CUMULATIVE	2.500000E-01	2.000000E-01	0.000000E+00	6.000000E-01	NONE	WPO41558	Y	N/A
3063	3,4	CUMULATIVE	2.500000E-01	2.000000E-01	0.000000E+00	6.000000E-01	NONE	WPO42751	Y	N/A
3064	3,4	UNIFORM	2.000000E-01	2.000000E-01	0.000000E+00	4.000000E-01	NONE	WPO30640	Y	N/A
3064	3,4	UNIFORM	2.000000E-01	2.000000E-01	0.000000E+00	4.000000E-01	NONE	WPO30994	Y	N/A
3064	3,4	UNIFORM	2.000000E-01	2.000000E-01	0.000000E+00	4.000000E-01	NONE	WPO35268	Y	N/A
3064	3,4	UNIFORM	2.000000E-01	2.000000E-01	0.000000E+00	4.000000E-01	NONE	WPO35597	Y	N/A
3064	3,4	UNIFORM	2.000000E-01	2.000000E-01	0.000000E+00	4.000000E-01	NONE	WPO41558	Y	N/A
3065	1,3	CONSTANT	3.090000E+00	3.090000E+00	3.090000E+00	3.090000E+00	m	WPO30640	Y	N/A
3065	1,3	CONSTANT	3.090000E+00	3.090000E+00	3.090000E+00	3.090000E+00	m	WPO30994	Y	N/A
3065	1,3	CONSTANT	3.090000E+00	3.090000E+00	3.090000E+00	3.090000E+00	m	WPO35597	Y	N/A
3065	1,3	CONSTANT	3.090000E+00	3.090000E+00	3.090000E+00	3.090000E+00	m	WPO40514	Y	N/A
3066	1,3	CONSTANT	1.800000E+00	1.800000E+00	1.800000E+00	1.800000E+00	m	WPO30640	Y	N/A
3066	1,3	CONSTANT	1.800000E+00	1.800000E+00	1.800000E+00	1.800000E+00	m	WPO30994	Y	N/A
3066	1,3	CONSTANT	1.800000E+00	1.800000E+00	1.800000E+00	1.800000E+00	m	WPO35597	Y	N/A
3066	1,3	CONSTANT	1.800000E+00	1.800000E+00	1.800000E+00	1.800000E+00	m	WPO40514	Y	N/A
3067	1,3	CONSTANT	3.500000E+00	3.500000E+00	3.500000E+00	3.500000E+00	m	WPO30640	Y	N/A
3067	1,3	CONSTANT	3.500000E+00	3.500000E+00	3.500000E+00	3.500000E+00	m	WPO30994	Y	N/A
3067	1,3	CONSTANT	3.500000E+00	3.500000E+00	3.500000E+00	3.500000E+00	m	WPO35597	Y	N/A
3067	1,3	CONSTANT	3.500000E+00	3.500000E+00	3.500000E+00	3.500000E+00	m	WPO40514	Y	N/A
3068	1,3	CONSTANT	2.300000E+00	2.300000E+00	2.300000E+00	2.300000E+00	m	WPO30640	Y	N/A
3068	1,3	CONSTANT	2.300000E+00	2.300000E+00	2.300000E+00	2.300000E+00	m	WPO30994	Y	N/A
3068	1,3	CONSTANT	2.300000E+00	2.300000E+00	2.300000E+00	2.300000E+00	m	WPO35597	Y	N/A
3068	1,3	CONSTANT	2.300000E+00	2.300000E+00	2.300000E+00	2.300000E+00	m	WPO40514	Y	N/A
3069	1,3,4	CONSTANT	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	m/m	WPO30640	Y	N/A
3069	1,3,4	CONSTANT	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	m/m	WPO30994	Y	N/A
3069	1,3,4	CONSTANT	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	m/m	WPO35597	Y	N/A
3070	1,3,4	CONSTANT	2.000000E+00	2.000000E+00	2.000000E+00	2.000000E+00	NONE	WPO30640	Y	N/A
3070	1,3,4	CONSTANT	2.000000E+00	2.000000E+00	2.000000E+00	2.000000E+00	NONE	WPO30994	Y	N/A
3070	1,3,4	CONSTANT	2.000000E+00	2.000000E+00	2.000000E+00	2.000000E+00	NONE	WPO35597	Y	N/A
3070	1,3,4	CONSTANT	2.000000E+00	2.000000E+00	2.000000E+00	2.000000E+00	NONE	WPO40486	Y	N/A

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 484 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y	50	3070	CL_L_T4	Lower Salado clay:50 to 10K years	CAP_MOD	Model number, capillary pressure model	32007A	15-Feb-96	Y	4B
Y		3071	CL_L_T4	Lower Salado clay:50 to 10K years	COMP_RCK	Bulk Compressibility	32008	15-Feb-96	Y	1
Y		3071	CL_L_T4	Lower Salado clay:50 to 10K years	COMP_RCK	Bulk Compressibility	32008	15-Feb-96	Y	1
Y		3071	CL_L_T4	Lower Salado clay:50 to 10K years	COMP_RCK	Bulk Compressibility	32008	15-Feb-96	Y	1
Y		3072	CL_L_T4	Lower Salado clay:50 to 10K years	KPT	Flag for Permeability Determined Threshold	32009	20-Feb-96	Y	4B
Y		3072	CL_L_T4	Lower Salado clay:50 to 10K years	KPT	Flag for Permeability Determined Threshold	32009	20-Feb-96	Y	4B
Y		3072	CL_L_T4	Lower Salado clay:50 to 10K years	KPT	Flag for Permeability Determined Threshold	32009	20-Feb-96	Y	4B
Y		3072	CL_L_T4	Lower Salado clay:50 to 10K years	KPT	Flag for Permeability Determined Threshold	32009	20-Feb-96	Y	4B
Y		3073	CL_L_T4	Lower Salado clay:50 to 10K years	PC_MAX	Maximum allowable capillary pressure	32012A	15-Feb-96	Y	4B
Y		3073	CL_L_T4	Lower Salado clay:50 to 10K years	PC_MAX	Maximum allowable capillary pressure	32012A	15-Feb-96	Y	4B
Y		3073	CL_L_T4	Lower Salado clay:50 to 10K years	PC_MAX	Maximum allowable capillary pressure	32012A	15-Feb-96	Y	4B
Y		3073	CL_L_T4	Lower Salado clay:50 to 10K years	PC_MAX	Maximum allowable capillary pressure	32012A	15-Feb-96	Y	4B
Y		3073	CL_L_T4	Lower Salado clay:50 to 10K years	PC_MAX	Maximum allowable capillary pressure	32012A	15-Feb-96	Y	4B
Y	100	3074	CL_L_T4	Lower Salado clay:50 to 10K years	PCT_A	Threshold Pressure Linear Parameter	32010	15-Feb-96	Y	1
Y	100	3074	CL_L_T4	Lower Salado clay:50 to 10K years	PCT_A	Threshold Pressure Linear Parameter	32010	15-Feb-96	Y	1
Y	100	3074	CL_L_T4	Lower Salado clay:50 to 10K years	PCT_A	Threshold Pressure Linear Parameter	32010	15-Feb-96	Y	1
Y	100	3074	CL_L_T4	Lower Salado clay:50 to 10K years	PCT_A	Threshold Pressure Linear Parameter	32010	15-Feb-96	Y	1
Y	100	3075	CL_L_T4	Lower Salado clay:50 to 10K years	PCT_EXP	Threshold pressure exponential parameter	32011	15-Feb-96	Y	1
Y	100	3075	CL_L_T4	Lower Salado clay:50 to 10K years	PCT_EXP	Threshold pressure exponential parameter	32011	15-Feb-96	Y	1
Y	100	3075	CL_L_T4	Lower Salado clay:50 to 10K years	PCT_EXP	Threshold pressure exponential parameter	32011	15-Feb-96	Y	1
Y	100	3075	CL_L_T4	Lower Salado clay:50 to 10K years	PCT_EXP	Threshold pressure exponential parameter	32011	15-Feb-96	Y	1
Y	varies	3076	CL_L_T4	Lower Salado clay:50 to 10K years	PORE_DIS	Brooks-Corey pore distribution parameter	32013	20-Feb-96	Y	1
Y	varies	3076	CL_L_T4	Lower Salado clay:50 to 10K years	PORE_DIS	Brooks-Corey pore distribution parameter	32013	20-Feb-96	Y	1
Y	varies	3076	CL_L_T4	Lower Salado clay:50 to 10K years	PORE_DIS	Brooks-Corey pore distribution parameter	32013	20-Feb-96	Y	1
Y	varies	3076	CL_L_T4	Lower Salado clay:50 to 10K years	PORE_DIS	Brooks-Corey pore distribution parameter	32013	20-Feb-96	-Y	1
Y	varies	3076	CL_L_T4	Lower Salado clay:50 to 10K years	PORE_DIS	Brooks-Corey pore distribution parameter	32013	20-Feb-96	Y	1
Y	varies	3076	CL_L_T4	Lower Salado clay:50 to 10K years	PORE_DIS	Brooks-Corey pore distribution parameter	32013	20-Feb-96	Y	1
Y	varies	3076	CL_L_T4	Lower Salado clay:50 to 10K years	PORE_DIS	Brooks-Corey pore distribution parameter	32013	20-Feb-96	Y	1
Y		3077	CL_L_T4	Lower Salado clay:50 to 10K years	POROSITY	Effective porosity	32014	15-Feb-96	Y	1
Y		3077	CL_L_T4	Lower Salado clay:50 to 10K years	POROSITY	Effective porosity	32014	15-Feb-96	Y	1
Y		3077	CL_L_T4	Lower Salado clay:50 to 10K years	POROSITY	Effective porosity	32014	15-Feb-96	Y	1
Y	varies	3078	CL_L_T4	Lower Salado clay:50 to 10K years	PRMX_LOG	Log of intrinsic permeability, X-direction	32016	15-Feb-96	Y	1
Y	varies	3078	CL_L_T4	Lower Salado clay:50 to 10K years	PRMX_LOG	Log of intrinsic permeability, X-direction	32016	15-Feb-96	Y	1
Y	varies	3078	CL_L_T4	Lower Salado clay:50 to 10K years	PRMX_LOG	Log of intrinsic permeability, X-direction	32016	15-Feb-96	Y	1
Y	varies	3078	CL_L_T4	Lower Salado clay:50 to 10K years	PRMX_LOG	Log of intrinsic permeability, X-direction	32016	15-Feb-96	Y	1
Y	varies	3078	CL_L_T4	Lower Salado clay:50 to 10K years	PRMX_LOG	Log of intrinsic permeability, X-direction	32016	15-Feb-96	Y	1

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to quality existing data? (footnote 3)
3070	1,3,4	CONSTANT	2.000000E+00	2.000000E+00	2.000000E+00	2.000000E+00	NONE	WPO40514	Y	N/A
3071	1,3,4	CONSTANT	1.590000E-09	1.590000E-09	1.590000E-09	1.590000E-09	Pa^-1	WPO30640	Y	N/A
3071	1,3,4	CONSTANT	1.590000E-09	1.590000E-09	1.590000E-09	1.590000E-09	Pa^-1	WPO30994	Y	N/A
3071	1,3,4	CONSTANT	1.590000E-09	1.590000E-09	1.590000E-09	1.590000E-09	Pa^-1	WPO35597	Y	N/A
3072	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35271	Y	N/A
3072	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35333	Y	N/A
3072	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35597	Y	N/A
3072	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40514	Y	N/A
3073	1,3	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO30640	Y	N/A
3073	1,3	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO30994	Y	N/A
3073	1,3	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO35597	Y	N/A
3073	1,3	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO40486	Y	N/A
3073	1,3	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO40514	Y	N/A
3074	3,4	CONSTANT	5.600000E-01	5.600000E-01	5.600000E-01	5.600000E-01	Pa	WPO30640	Y	N/A
3074	3,4	CONSTANT	5.600000E-01	5.600000E-01	5.600000E-01	5.600000E-01	Pa	WPO30994	Y	N/A
3074	3,4	CONSTANT	5.600000E-01	5.600000E-01	5.600000E-01	5.600000E-01	Pa	WPO35597	Y	N/A
3074	3,4	CONSTANT	5.600000E-01	5.600000E-01	5.600000E-01	5.600000E-01	Pa	WPO40434	Y	N/A
3075	3,4	CONSTANT	-3.460000E-01	-3.460000E-01	-3.460000E-01	-3.460000E-01	NONE	WPO30640	Y	N/A
3075	3,4	CONSTANT	-3.460000E-01	-3.460000E-01	-3.460000E-01	-3.460000E-01	NONE	WPO30994	Y	N/A
3075	3,4	CONSTANT	-3.460000E-01	-3.460000E-01	-3.460000E-01	-3.460000E-01	NONE	WPO35597	Y	N/A
3075	3,4	CONSTANT	-3.460000E-01	-3.460000E-01	-3.460000E-01	-3.460000E-01	NONE	WPO40434	Y	N/A
3076	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO30640	Y	N/A
3076	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO30994	Y	N/A
3076	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO32287	Y	N/A
3076	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO35268	-Y	N/A
3076	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO35597	Y	N/A
3076	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO41558	Y	N/A
3076	3,4	CUMULATIVE	2.520000E+00	9.400000E-01	1.100000E-01	8.100000E+00	NONE	WPO42752	Y	N/A
3077	1,3,4	CONSTANT	2.400000E-01	2.400000E-01	2.400000E-01	2.400000E-01	m^3/m^3	WPO30640	Y	N/A
3077	1,3,4	CONSTANT	2.400000E-01	2.400000E-01	2.400000E-01	2.400000E-01	m^3/m^3	WPO30994	Y	N/A
3077	1,3,4	CONSTANT	2.400000E-01	2.400000E-01	2.400000E-01	2.400000E-01	m^3/m^3	WPO35597	Y	N/A
3078	1,3,4	TRIANGULAR	-1.886700E+01	-1.830100E+01	-2.100000E+01	-1.730100E+01	log(m^2)	WPO30640	Y&N	1
3078	1,3,4	TRIANGULAR	-1.886700E+01	-1.830100E+01	-2.100000E+01	-1.730100E+01	log(m^2)	WPO30994	Y&N	1
3078	1,3,4	TRIANGULAR	-1.886700E+01	-1.830100E+01	-2.100000E+01	-1.730100E+01	log(m^2)	WPO35268	Y&N	1
3078	1,3,4	TRIANGULAR	-1.886700E+01	-1.830100E+01	-2.100000E+01	-1.730100E+01	log(m^2)	WPO35597	Y&N	1
3078	1,3,4	TRIANGULAR	-1.886700E+01	-1.830100E+01	-2.100000E+01	-1.730100E+01	log(m^2)	WPO41558	Y&N	1

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 454 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		3079	CL_L_T4	Lower Salado clay:50 to 10K years	PRMY_LOG	Log of intrinsic permeability, Y-direction	32017	15-Feb-96	Y	1
Y		3079	CL_L_T4	Lower Salado clay:50 to 10K years	PRMY_LOG	Log of intrinsic permeability, Y-direction	32017	15-Feb-96	Y	1
Y		3079	CL_L_T4	Lower Salado clay:50 to 10K years	PRMY_LOG	Log of intrinsic permeability, Y-direction	32017	15-Feb-96	Y	1
Y		3079	CL_L_T4	Lower Salado clay:50 to 10K years	PRMY_LOG	Log of intrinsic permeability, Y-direction	32017	15-Feb-96	Y	1
Y		3079	CL_L_T4	Lower Salado clay:50 to 10K years	PRMY_LOG	Log of intrinsic permeability, Y-direction	32017	15-Feb-96	Y	1
Y		3080	CL_L_T4	Lower Salado clay:50 to 10K years	PRMZ_LOG	Log of intrinsic permeability, Z-direction	32018	15-Feb-96	Y	1
Y		3080	CL_L_T4	Lower Salado clay:50 to 10K years	PRMZ_LOG	Log of intrinsic permeability, Z-direction	32018	15-Feb-96	Y	1
Y		3080	CL_L_T4	Lower Salado clay:50 to 10K years	PRMZ_LOG	Log of intrinsic permeability, Z-direction	32018	15-Feb-96	Y	1
Y		3080	CL_L_T4	Lower Salado clay:50 to 10K years	PRMZ_LOG	Log of intrinsic permeability, Z-direction	32018	15-Feb-96	Y	1
Y		3081	CL_L_T4	Lower Salado clay:50 to 10K years	RELP_MOD	Model number, relative permeability model	32020A	15-Feb-96	Y	4B
Y		3081	CL_L_T4	Lower Salado clay:50 to 10K years	RELP_MOD	Model number, relative permeability model	32020A	15-Feb-96	Y	4B
Y		3081	CL_L_T4	Lower Salado clay:50 to 10K years	RELP_MOD	Model number, relative permeability model	32020A	15-Feb-96	Y	4B
Y		3081	CL_L_T4	Lower Salado clay:50 to 10K years	RELP_MOD	Model number, relative permeability model	32020A	15-Feb-96	Y	4B
Y		3081	CL_L_T4	Lower Salado clay:50 to 10K years	RELP_MOD	Model number, relative permeability model	32020A	15-Feb-96	Y	4B
Y	100	3082	CL_L_T4	Lower Salado clay:50 to 10K years	SAT_RBRN	Residual Brine Saturation	32025	15-Feb-96	Y	1
Y	100	3082	CL_L_T4	Lower Salado clay:50 to 10K years	SAT_RBRN	Residual Brine Saturation	32025	15-Feb-96	Y	1
Y	100	3082	CL_L_T4	Lower Salado clay:50 to 10K years	SAT_RBRN	Residual Brine Saturation	32025	15-Feb-96	Y	1
Y	100	3082	CL_L_T4	Lower Salado clay:50 to 10K years	SAT_RBRN	Residual Brine Saturation	32025	15-Feb-96	Y	1
Y	100	3082	CL_L_T4	Lower Salado clay:50 to 10K years	SAT_RBRN	Residual Brine Saturation	32025	15-Feb-96	Y	1
Y	100	3083	CL_L_T4	Lower Salado clay:50 to 10K years	SAT_RGAS	Residual Gas Saturation	32027	15-Feb-96	Y	1
Y	100	3083	CL_L_T4	Lower Salado clay:50 to 10K years	SAT_RGAS	Residual Gas Saturation	32027	15-Feb-96	Y	1
Y	100	3083	CL_L_T4	Lower Salado clay:50 to 10K years	SAT_RGAS	Residual Gas Saturation	32027	15-Feb-96	Y	1
Y	100	3083	CL_L_T4	Lower Salado clay:50 to 10K years	SAT_RGAS	Residual Gas Saturation	32027	15-Feb-96	Y	1
Y	100	3083	CL_L_T4	Lower Salado clay:50 to 10K years	SAT_RGAS	Residual Gas Saturation	32027	15-Feb-96	--Y	1
Y		3084	CL_M_T1	Upper Salado clay:0 to 10 years	RSH_AIR	Air-supply shaft radius (3.09 m)	32056A	15-Feb-96	Y	4B
Y		3084	CL_M_T1	Upper Salado clay:0 to 10 years	RSH_AIR	Air-supply shaft radius (3.09 m)	32056A	15-Feb-96	Y	4B
Y		3084	CL_M_T1	Upper Salado clay:0 to 10 years	RSH_AIR	Air-supply shaft radius (3.09 m)	32056A	15-Feb-96	Y	4B
Y		3084	CL_M_T1	Upper Salado clay:0 to 10 years	RSH_AIR	Air-supply shaft radius (3.09 m)	32056A	15-Feb-96	Y	4B
Y		3085	CL_M_T1	Upper Salado clay:0 to 10 years	RSH_SAL	Salt-handling shaft radius (1.8 m)	32058A	15-Feb-96	Y	4B
Y		3085	CL_M_T1	Upper Salado clay:0 to 10 years	RSH_SAL	Salt-handling shaft radius (1.8 m)	32058A	15-Feb-96	Y	4B
Y		3085	CL_M_T1	Upper Salado clay:0 to 10 years	RSH_SAL	Salt-handling shaft radius (1.8 m)	32058A	15-Feb-96	Y	4B
Y		3085	CL_M_T1	Upper Salado clay:0 to 10 years	RSH_SAL	Salt-handling shaft radius (1.8 m)	32058A	15-Feb-96	Y	4B
Y		3086	CL_M_T1	Upper Salado clay:0 to 10 years	RSH_WAS	Waste-handling shaft radius (3.5 m)	32059A	15-Feb-96	Y	4B
Y		3086	CL_M_T1	Upper Salado clay:0 to 10 years	RSH_WAS	Waste-handling shaft radius (3.5 m)	32059A	15-Feb-96	Y	4B
Y		3086	CL_M_T1	Upper Salado clay:0 to 10 years	RSH_WAS	Waste-handling shaft radius (3.5 m)	32059A	15-Feb-96	Y	4B

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to quality existing data? (footnote 3)
3079	1,3,4	TRIANGULAR	-1.8867000E+01	-1.8301000E+01	-2.1000000E+01	-1.7301000E+01	log(m ²)	WPO30640	Y&N	1
3079	1,3,4	TRIANGULAR	-1.8867000E+01	-1.8301000E+01	-2.1000000E+01	-1.7301000E+01	log(m ²)	WPO30994	Y&N	1
3079	1,3,4	TRIANGULAR	-1.8867000E+01	-1.8301000E+01	-2.1000000E+01	-1.7301000E+01	log(m ²)	WPO35268	Y&N	1
3079	1,3,4	TRIANGULAR	-1.8867000E+01	-1.8301000E+01	-2.1000000E+01	-1.7301000E+01	log(m ²)	WPO35597	Y&N	1
3079	1,3,4	TRIANGULAR	-1.8867000E+01	-1.8301000E+01	-2.1000000E+01	-1.7301000E+01	log(m ²)	WPO41558	Y&N	1
3080	1,3,4	TRIANGULAR	-1.8867000E+01	-1.8301000E+01	-2.1000000E+01	-1.7301000E+01	log(m ²)	WPO30640	Y&N	1
3080	1,3,4	TRIANGULAR	-1.8867000E+01	-1.8301000E+01	-2.1000000E+01	-1.7301000E+01	log(m ²)	WPO30994	Y&N	1
3080	1,3,4	TRIANGULAR	-1.8867000E+01	-1.8301000E+01	-2.1000000E+01	-1.7301000E+01	log(m ²)	WPO35597	Y&N	1
3080	1,3,4	TRIANGULAR	-1.8867000E+01	-1.8301000E+01	-2.1000000E+01	-1.7301000E+01	log(m ²)	WPO41558	Y&N	1
3081	1,3,4	CONSTANT	4.0000000E+00	4.0000000E+00	4.0000000E+00	4.0000000E+00	NONE	WPO30640	Y	N/A
3081	1,3,4	CONSTANT	4.0000000E+00	4.0000000E+00	4.0000000E+00	4.0000000E+00	NONE	WPO30994	Y	N/A
3081	1,3,4	CONSTANT	4.0000000E+00	4.0000000E+00	4.0000000E+00	4.0000000E+00	NONE	WPO35597	Y	N/A
3081	1,3,4	CONSTANT	4.0000000E+00	4.0000000E+00	4.0000000E+00	4.0000000E+00	NONE	WPO40486	Y	N/A
3081	1,3,4	CONSTANT	4.0000000E+00	4.0000000E+00	4.0000000E+00	4.0000000E+00	NONE	WPO40514	Y	N/A
3082	3,4	CUMULATIVE	2.5000000E-01	2.0000000E-01	0.0000000E+00	6.0000000E-01	NONE	WPO30640	Y	N/A
3082	3,4	CUMULATIVE	2.5000000E-01	2.0000000E-01	0.0000000E+00	6.0000000E-01	NONE	WPO30994	Y	N/A
3082	3,4	CUMULATIVE	2.5000000E-01	2.0000000E-01	0.0000000E+00	6.0000000E-01	NONE	WPO35268	Y	N/A
3082	3,4	CUMULATIVE	2.5000000E-01	2.0000000E-01	0.0000000E+00	6.0000000E-01	NONE	WPO35597	Y	N/A
3082	3,4	CUMULATIVE	2.5000000E-01	2.0000000E-01	0.0000000E+00	6.0000000E-01	NONE	WPO41558	Y	N/A
3082	3,4	CUMULATIVE	2.5000000E-01	2.0000000E-01	0.0000000E+00	6.0000000E-01	NONE	WPO42751	Y	N/A
3083	3,4	UNIFORM	2.0000000E-01	2.0000000E-01	0.0000000E+00	4.0000000E-01	NONE	WPO30640	Y	N/A
3083	3,4	UNIFORM	2.0000000E-01	2.0000000E-01	0.0000000E+00	4.0000000E-01	NONE	WPO30994	Y	N/A
3083	3,4	UNIFORM	2.0000000E-01	2.0000000E-01	0.0000000E+00	4.0000000E-01	NONE	WPO35268	Y	N/A
3083	3,4	UNIFORM	2.0000000E-01	2.0000000E-01	0.0000000E+00	4.0000000E-01	NONE	WPO35597	Y	N/A
3083	3,4	UNIFORM	2.0000000E-01	2.0000000E-01	0.0000000E+00	4.0000000E-01	NONE	WPO41558	-Y	N/A
3084	1,3	CONSTANT	3.0900000E+00	3.0900000E+00	3.0900000E+00	3.0900000E+00	m	WPO30640	Y	N/A
3084	1,3	CONSTANT	3.0900000E+00	3.0900000E+00	3.0900000E+00	3.0900000E+00	m	WPO30994	Y	N/A
3084	1,3	CONSTANT	3.0900000E+00	3.0900000E+00	3.0900000E+00	3.0900000E+00	m	WPO35597	Y	N/A
3084	1,3	CONSTANT	3.0900000E+00	3.0900000E+00	3.0900000E+00	3.0900000E+00	m	WPO40514	Y	N/A
3085	1,3	CONSTANT	1.8000000E+00	1.8000000E+00	1.8000000E+00	1.8000000E+00	m	WPO30640	Y	N/A
3085	1,3	CONSTANT	1.8000000E+00	1.8000000E+00	1.8000000E+00	1.8000000E+00	m	WPO30994	Y	N/A
3085	1,3	CONSTANT	1.8000000E+00	1.8000000E+00	1.8000000E+00	1.8000000E+00	m	WPO35597	Y	N/A
3085	1,3	CONSTANT	1.8000000E+00	1.8000000E+00	1.8000000E+00	1.8000000E+00	m	WPO40514	Y	N/A
3086	1,3	CONSTANT	3.5000000E+00	3.5000000E+00	3.5000000E+00	3.5000000E+00	m	WPO30640	Y	N/A
3086	1,3	CONSTANT	3.5000000E+00	3.5000000E+00	3.5000000E+00	3.5000000E+00	m	WPO30994	Y	N/A
3086	1,3	CONSTANT	3.5000000E+00	3.5000000E+00	3.5000000E+00	3.5000000E+00	m	WPO35597	Y	N/A

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 484 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		3086	CL_M_T1	Upper Salado clay:0 to 10 years	RSH_WAS	Waste-handling shaft radius (3.5 m)	32059A	15-Feb-96	Y	4B
Y		3087	CL_M_T1	Upper Salado clay:0 to 10 years	RSH_EXH	Air-exhaust shaft radius (2.3 m)	32057A	15-Feb-96	Y	4B
Y		3087	CL_M_T1	Upper Salado clay:0 to 10 years	RSH_EXH	Air-exhaust shaft radius (2.3 m)	32057A	15-Feb-96	Y	4B
Y		3087	CL_M_T1	Upper Salado clay:0 to 10 years	RSH_EXH	Air-exhaust shaft radius (2.3 m)	32057A	15-Feb-96	Y	4B
Y		3087	CL_M_T1	Upper Salado clay:0 to 10 years	RSH_EXH	Air-exhaust shaft radius (2.3 m)	32057A	15-Feb-96	Y	4B
Y		3088	CL_M_T1	Upper Salado clay:0 to 10 years	RADN_DRZ	DRZ outer radius at each shaft	32053	15-Feb-96	Y	1
Y		3088	CL_M_T1	Upper Salado clay:0 to 10 years	RADN_DRZ	DRZ outer radius at each shaft	32053	15-Feb-96	Y	1
Y		3088	CL_M_T1	Upper Salado clay:0 to 10 years	RADN_DRZ	DRZ outer radius at each shaft	32053	15-Feb-96	Y	1
Y		3089	CL_M_T2	Upper Salado clay:10 to 25 years	RSH_AIR	Air-supply shaft radius (3.09 m)	32131A	05-Feb-96	Y	4B
Y		3089	CL_M_T2	Upper Salado clay:10 to 25 years	RSH_AIR	Air-supply shaft radius (3.09 m)	32131A	05-Feb-96	Y	4B
Y		3089	CL_M_T2	Upper Salado clay:10 to 25 years	RSH_AIR	Air-supply shaft radius (3.09 m)	32131A	05-Feb-96	Y	4B
Y		3089	CL_M_T2	Upper Salado clay:10 to 25 years	RSH_AIR	Air-supply shaft radius (3.09 m)	32131A	05-Feb-96	Y	4B
Y		3090	CL_M_T2	Upper Salado clay:10 to 25 years	RSH_SAL	Salt-handling shaft radius (1.8 m)	32133A	15-Feb-96	Y	4B
Y		3090	CL_M_T2	Upper Salado clay:10 to 25 years	RSH_SAL	Salt-handling shaft radius (1.8 m)	32133A	15-Feb-96	Y	4B
Y		3090	CL_M_T2	Upper Salado clay:10 to 25 years	RSH_SAL	Salt-handling shaft radius (1.8 m)	32133A	15-Feb-96	Y	4B
Y		3090	CL_M_T2	Upper Salado clay:10 to 25 years	RSH_SAL	Salt-handling shaft radius (1.8 m)	32133A	15-Feb-96	Y	4B
Y		3091	CL_M_T2	Upper Salado clay:10 to 25 years	RSH_WAS	Waste-handling shaft radius (3.5 m)	32134A	15-Feb-96	Y	4B
Y		3091	CL_M_T2	Upper Salado clay:10 to 25 years	RSH_WAS	Waste-handling shaft radius (3.5 m)	32134A	15-Feb-96	Y	4B
Y		3091	CL_M_T2	Upper Salado clay:10 to 25 years	RSH_WAS	Waste-handling shaft radius (3.5 m)	32134A	15-Feb-96	Y	4B
Y		3091	CL_M_T2	Upper Salado clay:10 to 25 years	RSH_WAS	Waste-handling shaft radius (3.5 m)	32134A	15-Feb-96	Y	4B
Y		3092	CL_M_T2	Upper Salado clay:10 to 25 years	RSH_EXH	Air-exhaust shaft radius (2.3 m)	32132A	15-Feb-96	Y	4B
Y		3092	CL_M_T2	Upper Salado clay:10 to 25 years	RSH_EXH	Air-exhaust shaft radius (2.3 m)	32132A	15-Feb-96	Y	4B
Y		3092	CL_M_T2	Upper Salado clay:10 to 25 years	RSH_EXH	Air-exhaust shaft radius (2.3 m)	32132A	15-Feb-96	Y	4B
Y		3092	CL_M_T2	Upper Salado clay:10 to 25 years	RSH_EXH	Air-exhaust shaft radius (2.3 m)	32132A	15-Feb-96	Y	4B
Y		3093	CL_M_T2	Upper Salado clay:10 to 25 years	RADN_DRZ	DRZ outer radius at each shaft	32128	15-Feb-96	-Y	1
Y		3093	CL_M_T2	Upper Salado clay:10 to 25 years	RADN_DRZ	DRZ outer radius at each shaft	32128	15-Feb-96	Y	1
Y		3093	CL_M_T2	Upper Salado clay:10 to 25 years	RADN_DRZ	DRZ outer radius at each shaft	32128	15-Feb-96	Y	1
Y		3094	CL_M_T3	Upper Salado clay:25 to 50 years	RSH_AIR	Air-supply shaft radius (3.09 m)	32163A	15-Feb-96	Y	4B
Y		3094	CL_M_T3	Upper Salado clay:25 to 50 years	RSH_AIR	Air-supply shaft radius (3.09 m)	32163A	15-Feb-96	Y	4B
Y		3094	CL_M_T3	Upper Salado clay:25 to 50 years	RSH_AIR	Air-supply shaft radius (3.09 m)	32163A	15-Feb-96	Y	4B
Y		3094	CL_M_T3	Upper Salado clay:25 to 50 years	RSH_AIR	Air-supply shaft radius (3.09 m)	32163A	15-Feb-96	Y	4B
Y		3095	CL_M_T3	Upper Salado clay:25 to 50 years	RSH_SAL	Salt-handling shaft radius (1.8 m)	32165A	15-Feb-96	Y	4B
Y		3095	CL_M_T3	Upper Salado clay:25 to 50 years	RSH_SAL	Salt-handling shaft radius (1.8 m)	32165A	15-Feb-96	Y	4B
Y		3095	CL_M_T3	Upper Salado clay:25 to 50 years	RSH_SAL	Salt-handling shaft radius (1.8 m)	32165A	15-Feb-96	Y	4B
Y		3095	CL_M_T3	Upper Salado clay:25 to 50 years	RSH_SAL	Salt-handling shaft radius (1.8 m)	32165A	15-Feb-96	Y	4B
Y		3096	CL_M_T3	Upper Salado clay:25 to 50 years	RSH_WAS	Waste-handling shaft radius (3.5 m)	32166A	15-Feb-96	Y	4B

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
3086	1,3	CONSTANT	3.500000E+00	3.500000E+00	3.500000E+00	3.500000E+00	m	WPO40514	Y	N/A
3087	1,3	CONSTANT	2.300000E+00	2.300000E+00	2.300000E+00	2.300000E+00	m	WPO30640	Y	N/A
3087	1,3	CONSTANT	2.300000E+00	2.300000E+00	2.300000E+00	2.300000E+00	m	WPO30994	Y	N/A
3087	1,3	CONSTANT	2.300000E+00	2.300000E+00	2.300000E+00	2.300000E+00	m	WPO35597	Y	N/A
3087	1,3	CONSTANT	2.300000E+00	2.300000E+00	2.300000E+00	2.300000E+00	m	WPO40514	Y	N/A
3088	1,3,4	CONSTANT	1.709000E+00	1.709000E+00	1.709000E+00	1.709000E+00	m/m	WPO30640	Y	N/A
3088	1,3,4	CONSTANT	1.709000E+00	1.709000E+00	1.709000E+00	1.709000E+00	m/m	WPO30994	Y	N/A
3088	1,3,4	CONSTANT	1.709000E+00	1.709000E+00	1.709000E+00	1.709000E+00	m/m	WPO35597	Y	N/A
3089	1,3	CONSTANT	3.090000E+00	3.090000E+00	3.090000E+00	3.090000E+00	m	WPO30640	Y	N/A
3089	1,3	CONSTANT	3.090000E+00	3.090000E+00	3.090000E+00	3.090000E+00	m	WPO30994	Y	N/A
3089	1,3	CONSTANT	3.090000E+00	3.090000E+00	3.090000E+00	3.090000E+00	m	WPO35597	Y	N/A
3089	1,3	CONSTANT	3.090000E+00	3.090000E+00	3.090000E+00	3.090000E+00	m	WPO40514	Y	N/A
3090	1,3	CONSTANT	1.800000E+00	1.800000E+00	1.800000E+00	1.800000E+00	m	WPO30640	Y	N/A
3090	1,3	CONSTANT	1.800000E+00	1.800000E+00	1.800000E+00	1.800000E+00	m	WPO30994	Y	N/A
3090	1,3	CONSTANT	1.800000E+00	1.800000E+00	1.800000E+00	1.800000E+00	m	WPO35597	Y	N/A
3090	1,3	CONSTANT	1.800000E+00	1.800000E+00	1.800000E+00	1.800000E+00	m	WPO40514	Y	N/A
3091	1,3	CONSTANT	3.500000E+00	3.500000E+00	3.500000E+00	3.500000E+00	m	WPO30640	Y	N/A
3091	1,3	CONSTANT	3.500000E+00	3.500000E+00	3.500000E+00	3.500000E+00	m	WPO30994	Y	N/A
3091	1,3	CONSTANT	3.500000E+00	3.500000E+00	3.500000E+00	3.500000E+00	m	WPO35597	Y	N/A
3091	1,3	CONSTANT	3.500000E+00	3.500000E+00	3.500000E+00	3.500000E+00	m	WPO40514	Y	N/A
3092	1,3	CONSTANT	2.300000E+00	2.300000E+00	2.300000E+00	2.300000E+00	m	WPO30640	Y	N/A
3092	1,3	CONSTANT	2.300000E+00	2.300000E+00	2.300000E+00	2.300000E+00	m	WPO30994	Y	N/A
3092	1,3	CONSTANT	2.300000E+00	2.300000E+00	2.300000E+00	2.300000E+00	m	WPO35597	Y	N/A
3092	1,3	CONSTANT	2.300000E+00	2.300000E+00	2.300000E+00	2.300000E+00	m	WPO40514	Y	N/A
3093	1,3,4	CONSTANT	1.469000E+00	1.469000E+00	1.469000E+00	1.469000E+00	m/m	WPO30640	-Y	N/A
3093	1,3,4	CONSTANT	1.469000E+00	1.469000E+00	1.469000E+00	1.469000E+00	m/m	WPO30994	Y	N/A
3093	1,3,4	CONSTANT	1.469000E+00	1.469000E+00	1.469000E+00	1.469000E+00	m/m	WPO35597	Y	N/A
3094	1,3	CONSTANT	3.090000E+00	3.090000E+00	3.090000E+00	3.090000E+00	m	WPO30640	Y	N/A
3094	1,3	CONSTANT	3.090000E+00	3.090000E+00	3.090000E+00	3.090000E+00	m	WPO30994	Y	N/A
3094	1,3	CONSTANT	3.090000E+00	3.090000E+00	3.090000E+00	3.090000E+00	m	WPO35597	Y	N/A
3094	1,3	CONSTANT	3.090000E+00	3.090000E+00	3.090000E+00	3.090000E+00	m	WPO40514	Y	N/A
3095	1,3	CONSTANT	1.800000E+00	1.800000E+00	1.800000E+00	1.800000E+00	m	WPO30640	Y	N/A
3095	1,3	CONSTANT	1.800000E+00	1.800000E+00	1.800000E+00	1.800000E+00	m	WPO30994	Y	N/A
3095	1,3	CONSTANT	1.800000E+00	1.800000E+00	1.800000E+00	1.800000E+00	m	WPO35597	Y	N/A
3095	1,3	CONSTANT	1.800000E+00	1.800000E+00	1.800000E+00	1.800000E+00	m	WPO40514	Y	N/A
3096	1,3	CONSTANT	3.500000E+00	3.500000E+00	3.500000E+00	3.500000E+00	m	WPO30640	Y	N/A

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WFO #)	Data Entry Date	Is the 484 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		3096	CL_M_T3	Upper Salado clay:25 to 50 years	RSH_WAS	Waste-handling shaft radius (3.5 m)	32166A	15-Feb-96	Y	4B
Y		3096	CL_M_T3	Upper Salado clay:25 to 50 years	RSH_WAS	Waste-handling shaft radius (3.5 m)	32166A	15-Feb-96	Y	4B
Y		3096	CL_M_T3	Upper Salado clay:25 to 50 years	RSH_WAS	Waste-handling shaft radius (3.5 m)	32166A	15-Feb-96	Y	4B
Y		3097	CL_M_T3	Upper Salado clay:25 to 50 years	RSH_EXH	Air-exhaust shaft radius (2.3 m)	32164A	15-Feb-96	Y	4B
Y		3097	CL_M_T3	Upper Salado clay:25 to 50 years	RSH_EXH	Air-exhaust shaft radius (2.3 m)	32164A	15-Feb-96	Y	4B
Y		3097	CL_M_T3	Upper Salado clay:25 to 50 years	RSH_EXH	Air-exhaust shaft radius (2.3 m)	32164A	15-Feb-96	Y	4B
Y		3097	CL_M_T3	Upper Salado clay:25 to 50 years	RSH_EXH	Air-exhaust shaft radius (2.3 m)	32164A	15-Feb-96	Y	4B
Y		3098	CL_M_T3	Upper Salado clay:25 to 50 years	RADN_DRZ	DRZ outer radius at each shaft	32160	15-Feb-96	Y	1
Y		3098	CL_M_T3	Upper Salado clay:25 to 50 years	RADN_DRZ	DRZ outer radius at each shaft	32160	15-Feb-96	Y	1
Y		3098	CL_M_T3	Upper Salado clay:25 to 50 years	RADN_DRZ	DRZ outer radius at each shaft	32160	15-Feb-96	Y	1
Y		3099	CAVITY_1	Cavity for Waste Areas	SAT_IBRN	Initial Brine Saturation	31686	17-Feb-96	Y	4B
Y		3099	CAVITY_1	Cavity for Waste Areas	SAT_IBRN	Initial Brine Saturation	31686	17-Feb-96	Y	4B
Y		3099	CAVITY_1	Cavity for Waste Areas	SAT_IBRN	Initial Brine Saturation	31686	17-Feb-96	Y	4B
Y		3100	CAVITY_2	Cavity for Non-waste Areas	SAT_IBRN	Initial Brine Saturation	31760	17-Feb-96	Y	4B
Y		3100	CAVITY_2	Cavity for Non-waste Areas	SAT_IBRN	Initial Brine Saturation	31760	17-Feb-96	Y	4B
Y		3100	CAVITY_2	Cavity for Non-waste Areas	SAT_IBRN	Initial Brine Saturation	31760	17-Feb-96	Y	4B
Y		3101	CAVITY_3	Cavity for Shaft	PRESSURE	Brine far-field pore pressure	31780	17-Feb-96	Y	4B
Y		3101	CAVITY_3	Cavity for Shaft	PRESSURE	Brine far-field pore pressure	31780	17-Feb-96	Y	4B
Y		3101	CAVITY_3	Cavity for Shaft	PRESSURE	Brine far-field pore pressure	31780	17-Feb-96	Y	4B
Y		3102	CAVITY_3	Cavity for Shaft	SAT_IBRN	Initial Brine Saturation	31786	17-Feb-96	Y	4B
Y		3102	CAVITY_3	Cavity for Shaft	SAT_IBRN	Initial Brine Saturation	31786	17-Feb-96	Y	4B
Y		3102	CAVITY_3	Cavity for Shaft	SAT_IBRN	Initial Brine Saturation	31786	17-Feb-96	Y	4B
Y		3103	CAVITY_4	Cavity for Borehole	PRESSURE	Brine far-field pore pressure	31815	17-Feb-96	Y	4B
Y		3103	CAVITY_4	Cavity for Borehole	PRESSURE	Brine far-field pore pressure	31815	17-Feb-96	Y	4B
Y		3103	CAVITY_4	Cavity for Borehole	PRESSURE	Brine far-field pore pressure	31815	17-Feb-96	Y	4B
Y		3104	CAVITY_4	Cavity for Borehole	SAT_IBRN	Initial Brine Saturation	31822	17-Feb-96	Y	4B
Y		3104	CAVITY_4	Cavity for Borehole	SAT_IBRN	Initial Brine Saturation	31822	17-Feb-96	Y	4B
Y		3104	CAVITY_4	Cavity for Borehole	SAT_IBRN	Initial Brine Saturation	31822	17-Feb-96	Y	4B
Y		3105	REFCON	Reference Constant	VROOM	Volume of one room in repository	33280	17-Feb-96	Y	4B
Y		3105	REFCON	Reference Constant	VROOM	Volume of one room in repository	33280	17-Feb-96	Y	4B
Y		3105	REFCON	Reference Constant	VROOM	Volume of one room in repository	33280	17-Feb-96	Y	4B
Y		3106	REFCON	Reference Constant	ASDRUM	Surface area of corrodable metal per drum	36370	17-Feb-96	Y	4B
Y		3106	REFCON	Reference Constant	ASDRUM	Surface area of corrodable metal per drum	36370	17-Feb-96	Y	4B
Y		3106	REFCON	Reference Constant	ASDRUM	Surface area of corrodable metal per drum	36370	17-Feb-96	Y	4B
Y		3107	REFCON	Reference Constant	VPANLEX	Excavated volume of one panel	33273	17-Feb-96	Y	4B
Y		3107	REFCON	Reference Constant	VPANLEX	Excavated volume of one panel	33273	17-Feb-96	Y	4B
Y		3107	REFCON	Reference Constant	VPANLEX	Excavated volume of one panel	33273	17-Feb-96	Y	4B
Y		3108	REFCON	Reference Constant	VREPOS	Excavated storage volume of repository	33276	17-Feb-96	Y	4B
Y		3108	REFCON	Reference Constant	VREPOS	Excavated storage volume of repository	33276	17-Feb-96	Y	4B
Y		3108	REFCON	Reference Constant	VREPOS	Excavated storage volume of repository	33276	17-Feb-96	Y	4B
Y		3109	REFCON	Reference Constant	AVOGADRO	Avogadro's number	32359	17-Feb-96	Y	3

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NOAA-1 Program?	Which methods were used to quality existing data? (footnote 3)
3096	1,3	CONSTANT	3.500000E+00	3.500000E+00	3.500000E+00	3.500000E+00	m	WPO30994	Y	N/A
3096	1,3	CONSTANT	3.500000E+00	3.500000E+00	3.500000E+00	3.500000E+00	m	WPO35597	Y	N/A
3096	1,3	CONSTANT	3.500000E+00	3.500000E+00	3.500000E+00	3.500000E+00	m	WPO40514	Y	N/A
3097	1,3	CONSTANT	2.300000E+00	2.300000E+00	2.300000E+00	2.300000E+00	m	WPO30640	Y	N/A
3097	1,3	CONSTANT	2.300000E+00	2.300000E+00	2.300000E+00	2.300000E+00	m	WPO30994	Y	N/A
3097	1,3	CONSTANT	2.300000E+00	2.300000E+00	2.300000E+00	2.300000E+00	m	WPO35597	Y	N/A
3097	1,3	CONSTANT	2.300000E+00	2.300000E+00	2.300000E+00	2.300000E+00	m	WPO40514	Y	N/A
3098	1,3,4	CONSTANT	1.283000E+00	1.283000E+00	1.283000E+00	1.283000E+00	m/m	WPO30640	Y	N/A
3098	1,3,4	CONSTANT	1.283000E+00	1.283000E+00	1.283000E+00	1.283000E+00	m/m	WPO30994	Y	N/A
3098	1,3,4	CONSTANT	1.283000E+00	1.283000E+00	1.283000E+00	1.283000E+00	m/m	WPO35597	Y	N/A
3099	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	MEMO:VAUGHN/TIERNEY-9	Y	N/A
3099	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35597	Y	N/A
3099	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40514	Y	N/A
3100	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	MEMO:VAUGHN/TIERNEY-9	Y	N/A
3100	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35597	Y	N/A
3100	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40514	Y	N/A
3101	1,3	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	NONE	Y	N/A
3101	1,3	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO35597	Y	N/A
3101	1,3	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO40514	Y	N/A
3102	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	MEMO:VAUGHN/TIERNEY-9	Y	N/A
3102	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35597	Y	N/A
3102	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40514	Y	N/A
3103	1,3	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	MEMO:VAUGHN/TIERNEY-9	Y	N/A
3103	1,3	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO35597	Y	N/A
3103	1,3	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO40514	Y	N/A
3104	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	MEMO:VAUGHN/TIERNEY-9	Y	N/A
3104	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35597	Y	N/A
3104	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40514	Y	N/A
3105	1,3,4	CONSTANT	3.644378E+03	3.644378E+03	3.644378E+03	3.644378E+03	m^3	WPO35597	Y	N/A
3105	1,3,4	CONSTANT	3.644378E+03	3.644378E+03	3.644378E+03	3.644378E+03	m^3	WPO37713	Y	N/A
3105	1,3,4	CONSTANT	3.644378E+03	3.644378E+03	3.644378E+03	3.644378E+03	m^3	WPO40514	Y	N/A
3106	3,4	CONSTANT	6.000000E+00	6.000000E+00	6.000000E+00	6.000000E+00	m^2	SAND91-08933-MEMOBRUSH	Y	N/A
3106	3,4	CONSTANT	6.000000E+00	6.000000E+00	6.000000E+00	6.000000E+00	m^2	WPO35597	Y	N/A
3106	3,4	CONSTANT	6.000000E+00	6.000000E+00	6.000000E+00	6.000000E+00	m^2	WPO40514	Y	N/A
3107	1,3,4	CONSTANT	4.609765E+04	4.609765E+04	4.609765E+04	4.609765E+04	m^3	WPO35597	Y	N/A
3107	1,3,4	CONSTANT	4.609765E+04	4.609765E+04	4.609765E+04	4.609765E+04	m^3	WPO37713	Y	N/A
3107	1,3,4	CONSTANT	4.609765E+04	4.609765E+04	4.609765E+04	4.609765E+04	m^3	WPO40514	Y	N/A
3108	1,3,4	CONSTANT	4.360232E+05	4.360232E+05	4.360232E+05	4.360232E+05	m^3	WPO35597	Y	N/A
3108	1,3,4	CONSTANT	4.360232E+05	4.360232E+05	4.360232E+05	4.360232E+05	m^3	WPO37713	Y	N/A
3108	1,3,4	CONSTANT	4.360232E+05	4.360232E+05	4.360232E+05	4.360232E+05	m^3	WPO40514	Y	N/A
3109	4	CONSTANT	6.022137E+23	6.022137E+23	6.022137E+23	6.022137E+23	1/mol	CRC-72	Y	N/A

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 464 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		3109	REFCON	Reference Constant	AVOGADRO	Avogadro's number	32359	17-Feb-96	Y	3
Y		3110	REFCON	Reference Constant	ZCINK	Zero Celsius in Kelvin	32435	17-Feb-96	Y	3
Y		3110	REFCON	Reference Constant	ZCINK	Zero Celsius in Kelvin	32435	17-Feb-96	Y	3
Y		3111	REFCON	Reference Constant	CITOBQ	Curie to Becquerel Conversion	32377	17-Feb-96	Y	3
Y		3111	REFCON	Reference Constant	CITOBQ	Curie to Becquerel Conversion	32377	17-Feb-96	Y	3
Y	0.0004	3112	REFCON	Reference Constant	SECYR	Seconds to years Conversion	32426	17-Feb-96	Y	3
Y	0.0004	3112	REFCON	Reference Constant	SECYR	Seconds to years Conversion	32426	17-Feb-96	Y	3
Y	0.0004	3112	REFCON	Reference Constant	SECYR	Seconds to years Conversion	32426	17-Feb-96	Y	3
Y		3114	CONC_MON	Concrete Monolith	PRESSURE	Brine far-field pore pressure	32518	21-Feb-96	Y	4A
Y		3114	CONC_MON	Concrete Monolith	PRESSURE	Brine far-field pore pressure	32518	21-Feb-96	Y	4A
Y		3115	CONC_MON	Concrete Monolith	SAT_IBRN	Initial Brine Saturation	32540A	28-Feb-96	Y	1
Y		3115	CONC_MON	Concrete Monolith	SAT_IBRN	Initial Brine Saturation	32540A	28-Feb-96	Y	1
Y		3115	CONC_MON	Concrete Monolith	SAT_IBRN	Initial Brine Saturation	32540A	28-Feb-96	Y	1
Y		3116	DRZ_1	Disturbed rock zone; time period 0 to 1000 years	KPT	Flag for Permeability Determined Threshold	32870	20-Feb-96	Y	4B
Y		3116	DRZ_1	Disturbed rock zone; time period 0 to 1000 years	KPT	Flag for Permeability Determined Threshold	32870	20-Feb-96	Y	4B
Y		3116	DRZ_1	Disturbed rock zone; time period 0 to 1000 years	KPT	Flag for Permeability Determined Threshold	32870	20-Feb-96	Y	4B
Y		3116	DRZ_1	Disturbed rock zone; time period 0 to 1000 years	KPT	Flag for Permeability Determined Threshold	32870	20-Feb-96	Y	4B
Y		3120	BOREHOLE	Borehole and Fill	PCT_A	Threshold Pressure Linear Parameter	36362A	21-Feb-96	Y	4B
Y		3120	BOREHOLE	Borehole and Fill	PCT_A	Threshold Pressure Linear Parameter	36362A	21-Feb-96	Y	4B
Y		3120	BOREHOLE	Borehole and Fill	PCT_A	Threshold Pressure Linear Parameter	36362A	21-Feb-96	Y	4B
Y		3121	BOREHOLE	Borehole and Fill	PCT_EXP	Threshold pressure exponential parameter	36363	21-Feb-96	Y	4B
Y		3121	BOREHOLE	Borehole and Fill	PCT_EXP	Threshold pressure exponential parameter	36363	21-Feb-96	Y	4B
Y		3121	BOREHOLE	Borehole and Fill	PCT_EXP	Threshold pressure exponential parameter	36363	21-Feb-96	Y	4B
Y		3122	BOREHOLE	Borehole and Fill	KPT	Flag for Permeability Determined Threshold	36361	21-Feb-96	Y	4B
Y		3122	BOREHOLE	Borehole and Fill	KPT	Flag for Permeability Determined Threshold	36361	21-Feb-96	Y	4B
Y		3122	BOREHOLE	Borehole and Fill	KPT	Flag for Permeability Determined Threshold	36361	21-Feb-96	Y	4B
Y		3122	BOREHOLE	Borehole and Fill	KPT	Flag for Permeability Determined Threshold	36361	21-Feb-96	Y	4B
Y		3123	CL_L_T4	Lower Salado clay;50 to 10K years	PO_MIN	Minimum brine pressure for capillary model KPC=3	36366	21-Feb-96	Y	4B
Y		3123	CL_L_T4	Lower Salado clay;50 to 10K years	PO_MIN	Minimum brine pressure for capillary model KPC=3	36366	21-Feb-96	Y	4B
Y		3123	CL_L_T4	Lower Salado clay;50 to 10K years	PO_MIN	Minimum brine pressure for capillary model KPC=3	36366	21-Feb-96	Y	4B
Y		3124	CONC_MON	Concrete Monolith	PO_MIN	Minimum brine pressure for capillary model KPC=3	36367	21-Feb-96	Y	4B
Y		3124	CONC_MON	Concrete Monolith	PO_MIN	Minimum brine pressure for capillary model KPC=3	36367	21-Feb-96	Y	4B
Y		3124	CONC_MON	Concrete Monolith	PO_MIN	Minimum brine pressure for capillary model KPC=3	36367	21-Feb-96	Y	4B
Y		3125	SALT_T5	Shaft salt column compacted;time 100 to 200 years	PO_MIN	Minimum brine pressure for capillary model KPC=3	36368	21-Feb-96	Y	4B
Y		3125	SALT_T5	Shaft salt column compacted;time 100 to 200 years	PO_MIN	Minimum brine pressure for capillary model KPC=3	36368	21-Feb-96	Y	4B
Y		3125	SALT_T5	Shaft salt column compacted;time 100 to 200 years	PO_MIN	Minimum brine pressure for capillary model KPC=3	36368	21-Feb-96	Y	4B

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
3109	4	CONSTANT	6.0221370E+23	6.0221370E+23	6.0221370E+23	6.0221370E+23	1/mol	WPO36298	Y	N/A
3110	4	CONSTANT	2.7315000E+02	2.7315000E+02	2.7315000E+02	2.7315000E+02	K	CRC-72	Y	N/A
3110	4	CONSTANT	2.7315000E+02	2.7315000E+02	2.7315000E+02	2.7315000E+02	K	WPO36298	Y	N/A
3111	4	CONSTANT	3.7000000E+10	3.7000000E+10	3.7000000E+10	3.7000000E+10	Bq/Ci	CRC-72	Y	N/A
3111	4	CONSTANT	3.7000000E+10	3.7000000E+10	3.7000000E+10	3.7000000E+10	Bq/Ci	WPO36298	Y	N/A
3112	4	CONSTANT	3.1688770E-08	3.1688770E-08	3.1688770E-08	3.1688770E-08	yr/s	CRC-72	Y	N/A
3112	4	CONSTANT	3.1688770E-08	3.1688770E-08	3.1688770E-08	3.1688770E-08	yr/s	WPO36298	Y	N/A
3112	4	CONSTANT	3.1688770E-08	3.1688770E-08	3.1688770E-08	3.1688770E-08	yr/s	WPO38456	Y	N/A
3114	3,5	CONSTANT	1.0132500E+05	1.0132500E+05	1.0132500E+05	1.0132500E+05	Pa	WPO35597	Y	N/A
3114	3,5	CONSTANT	1.0132500E+05	1.0132500E+05	1.0132500E+05	1.0132500E+05	Pa	WPO36058	Y	N/A
3115	3,4	CONSTANT	9.9999990E-01	9.9999990E-01	9.9999990E-01	9.9999990E-01	NONE	MEMO:VAUGHN/ TIERNEY-5	Y	N/A
3115	3,4	CONSTANT	9.9999990E-01	9.9999990E-01	9.9999990E-01	9.9999990E-01	NONE	WPO35597	Y	N/A
3115	3,4	CONSTANT	9.9999990E-01	9.9999990E-01	9.9999990E-01	9.9999990E-01	NONE	WPO39169	Y	N/A
3116	3,5	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0.0000000E+00	NONE	WPO35271	Y	N/A
3116	3,5	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0.0000000E+00	NONE	WPO35333	Y	N/A
3116	3,5	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0.0000000E+00	NONE	WPO35597	Y	N/A
3116	3,5	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0.0000000E+00	NONE	WPO40514	Y	N/A
3120	Not Used	CONSTANT	5.6000000E-01	5.6000000E-01	5.6000000E-01	5.6000000E-01	Pa	MEMO:VAUGHN/ TIERNEY-7	Y	N/A
3120	Not Used	CONSTANT	5.6000000E-01	5.6000000E-01	5.6000000E-01	5.6000000E-01	Pa	WPO35597	Y	N/A
3120	Not Used	CONSTANT	5.6000000E-01	5.6000000E-01	5.6000000E-01	5.6000000E-01	Pa	WPO40514	Y	N/A
3121	Not Used	CONSTANT	-3.4600000E-01	-3.4600000E-01	-3.4600000E-01	-3.4600000E-01	NONE	MEMO:VAUGHN/ TIERNEY-7	Y	N/A
3121	Not Used	CONSTANT	-3.4600000E-01	-3.4600000E-01	-3.4600000E-01	-3.4600000E-01	NONE	WPO35597	Y	N/A
3121	Not Used	CONSTANT	-3.4600000E-01	-3.4600000E-01	-3.4600000E-01	-3.4600000E-01	NONE	WPO40514	Y	N/A
3122	Not Used	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0.0000000E+00	NONE	MEMO:VAUGHN/ TIERNEY-7	Y	N/A
3122	Not Used	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0.0000000E+00	NONE	WPO35333	Y	N/A
3122	Not Used	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0.0000000E+00	NONE	WPO35597	Y	N/A
3122	Not Used	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0.0000000E+00	NONE	WPO40514	Y	N/A
3123	1,3	CONSTANT	1.0132500E+05	1.0132500E+05	1.0132500E+05	1.0132500E+05	Pa	WPO35597	Y	N/A
3123	1,3	CONSTANT	1.0132500E+05	1.0132500E+05	1.0132500E+05	1.0132500E+05	Pa	WPO36051	Y	N/A
3123	1,3	CONSTANT	1.0132500E+05	1.0132500E+05	1.0132500E+05	1.0132500E+05	Pa	WPO40514	Y	N/A
3124	3,5	CONSTANT	1.0132500E+05	1.0132500E+05	1.0132500E+05	1.0132500E+05	Pa	WPO35597	Y	N/A
3124	3,5	CONSTANT	1.0132500E+05	1.0132500E+05	1.0132500E+05	1.0132500E+05	Pa	WPO36051	Y	N/A
3124	3,5	CONSTANT	1.0132500E+05	1.0132500E+05	1.0132500E+05	1.0132500E+05	Pa	WPO40514	Y	N/A
3125	1,3	CONSTANT	1.0132500E+05	1.0132500E+05	1.0132500E+05	1.0132500E+05	Pa	WPO35597	Y	N/A
3125	1,3	CONSTANT	1.0132500E+05	1.0132500E+05	1.0132500E+05	1.0132500E+05	Pa	WPO36051	Y	N/A
3125	1,3	CONSTANT	1.0132500E+05	1.0132500E+05	1.0132500E+05	1.0132500E+05	Pa	WPO40514	Y	N/A

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 484 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		3126	SALT_T6	Shaft salt column compacted:time 200 to 10K years	PO_MIN	Minimum brine pressure for capillary model KPC=3	36369	21-Feb-96	Y	4B
Y		3126	SALT_T6	Shaft salt column compacted:time 200 to 10K years	PO_MIN	Minimum brine pressure for capillary model KPC=3	36369	21-Feb-96	Y	4B
Y		3126	SALT_T6	Shaft salt column compacted:time 200 to 10K years	PO_MIN	Minimum brine pressure for capillary model KPC=3	36369	21-Feb-96	Y	4B
Y	0.0 hw	3128	DRZ_1	Disturbed rock zone; time period 0 to 1000 years	PCT_A	Threshold Pressure Linear Parameter	36559	21-Feb-96	Y	4B
Y	0.0 hw	3128	DRZ_1	Disturbed rock zone; time period 0 to 1000 years	PCT_A	Threshold Pressure Linear Parameter	36559	21-Feb-96	Y	4B
Y	0.0 hw	3128	DRZ_1	Disturbed rock zone; time period 0 to 1000 years	PCT_A	Threshold Pressure Linear Parameter	36559	21-Feb-96	Y	4B
Y	0.0 hw	3129	DRZ_1	Disturbed rock zone; time period 0 to 1000 years	PCT_EXP	Threshold pressure exponential parameter	36560	21-Feb-96	Y	4B
Y	0.0 hw	3129	DRZ_1	Disturbed rock zone; time period 0 to 1000 years	PCT_EXP	Threshold pressure exponential parameter	36560	21-Feb-96	Y	4B
Y	0.0 hw	3129	DRZ_1	Disturbed rock zone; time period 0 to 1000 years	PCT_EXP	Threshold pressure exponential parameter	36560	21-Feb-96	Y	4B
Y		3131	CLAY_RUS	Rustler Compacted Clay Column	PO_MIN	Minimum brine pressure for capillary model KPC=3	36561	26-Feb-96	Y	4B
Y		3131	CLAY_RUS	Rustler Compacted Clay Column	PO_MIN	Minimum brine pressure for capillary model KPC=3	36561	26-Feb-96	Y	4B
Y		3131	CLAY_RUS	Rustler Compacted Clay Column	PO_MIN	Minimum brine pressure for capillary model KPC=3	36561	26-Feb-96	Y	4B
Y		3132	REFCON	Reference Constant	DRROOM	Number of drums, per room, in ideal packing	32372	26-Feb-96	Y	3
Y		3132	REFCON	Reference Constant	DRROOM	Number of drums, per room, in ideal packing	32372	26-Feb-96	Y	3
Y		3133	SHFT_DRZ	Disturbed Rock Around Shaft	PRMX_LOG	Log of intrinsic permeability, X-direction	36563	01-Mar-96	Y	1
Y		3133	SHFT_DRZ	Disturbed Rock Around Shaft	PRMX_LOG	Log of intrinsic permeability, X-direction	36563	01-Mar-96	Y	1
Y		3133	SHFT_DRZ	Disturbed Rock Around Shaft	PRMX_LOG	Log of intrinsic permeability, X-direction	36563	01-Mar-96	Y	1
Y		3133	SHFT_DRZ	Disturbed Rock Around Shaft	PRMX_LOG	Log of intrinsic permeability, X-direction	36563	01-Mar-96	Y	1
Y		3133	SHFT_DRZ	Disturbed Rock Around Shaft	PRMX_LOG	Log of intrinsic permeability, X-direction	36563	01-Mar-96	Y	1
Y		3134	BH_OPEN	Borehole Unrestricted	PRMX_LOG	Log of intrinsic permeability, X-direction	36564	14-Mar-96	Y	4B
Y		3134	BH_OPEN	Borehole Unrestricted	PRMX_LOG	Log of intrinsic permeability, X-direction	36564	14-Mar-96	Y	4B
Y		3135	BH_OPEN	Borehole Unrestricted	POROSITY	Effective porosity	36565	14-Mar-96	Y	4B
Y		3135	BH_OPEN	Borehole Unrestricted	POROSITY	Effective porosity	36565	14-Mar-96	Y	4B
Y		3136	BH_OPEN	Borehole Unrestricted	COMP_RCK	Bulk Compressibility	36566	14-Mar-96	Y	4B
Y		3136	BH_OPEN	Borehole Unrestricted	COMP_RCK	Bulk Compressibility	36566	14-Mar-96	Y	4B
Y		3137	BH_OPEN	Borehole Unrestricted	RELP_MOD	Model number relative permeability model	36567	14-Mar-96	Y	4B
Y		3137	BH_OPEN	Borehole Unrestricted	RELP_MOD	Model number relative permeability model	36567	14-Mar-96	Y	4B
Y		3138	BH_OPEN	Borehole Unrestricted	CAP_MOO	Model number capillary pressure model	36568	14-Mar-96	Y	4B
Y		3138	BH_OPEN	Borehole Unrestricted	CAP_MOO	Model number capillary pressure model	36568	14-Mar-96	Y	4B
Y		3139	BH_OPEN	Borehole Unrestricted	PC_MAX	Maximum allowable capillary pressure	36569	14-Mar-96	Y	4B
Y		3139	BH_OPEN	Borehole Unrestricted	PC_MAX	Maximum allowable capillary pressure	36569	14-Mar-96	Y	4B
Y		3140	BH_OPEN	Borehole Unrestricted	SAT_RBRN	Residual Brine Saturation	36570	14-Mar-96	Y	4B

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NCA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
3126	1,3	CONSTANT	1.0132500E+05	1.0132500E+05	1.0132500E+05	1.0132500E+05	Pa	WPO35597	Y	N/A
3126	1,3	CONSTANT	1.0132500E+05	1.0132500E+05	1.0132500E+05	1.0132500E+05	Pa	WPO36051	Y	N/A
3126	1,3	CONSTANT	1.0132500E+05	1.0132500E+05	1.0132500E+05	1.0132500E+05	Pa	WPO40514	Y	N/A
3128	3,5	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0.0000000E+00	Pa	MEMO:LORD/ TIERNEY-1	Y	N/A
3128	3,5	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0.0000000E+00	Pa	WPO35597	Y	N/A
3128	3,5	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0.0000000E+00	Pa	WPO40514	Y	N/A
3129	3,5	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0.0000000E+00	NONE	WPO32288	Y	N/A
3129	3,5	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0.0000000E+00	NONE	WPO35597	Y	N/A
3129	3,5	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0.0000000E+00	NONE	WPO40514	Y	N/A
3131	1,3	CONSTANT	1.0132500E+05	1.0132500E+05	1.0132500E+05	1.0132500E+05	Pa	WPO35597	Y	N/A
3131	1,3	CONSTANT	1.0132500E+05	1.0132500E+05	1.0132500E+05	1.0132500E+05	Pa	WPO36051	Y	N/A
3131	1,3	CONSTANT	1.0132500E+05	1.0132500E+05	1.0132500E+05	1.0132500E+05	Pa	WPO40514	Y	N/A
3132	4	CONSTANT	6.8040000E+03	6.8040000E+03	6.8040000E+03	6.8040000E+03	NONE	SAND92-0700/3	Y	N/A
3132	4	CONSTANT	6.8040000E+03	6.8040000E+03	6.8040000E+03	6.8040000E+03	NONE	WPO36298	Y	N/A
3133	1,3	TRIANGULAR	-1.5333330E+01	-1.5000000E+01	-1.7000000E+01	-1.4000000E+01	log(m^2)	WPO30640	Y	N/A
3133	1,3	TRIANGULAR	-1.5333330E+01	-1.5000000E+01	-1.7000000E+01	-1.4000000E+01	log(m^2)	WPO30994	Y	N/A
3133	1,3	TRIANGULAR	-1.5333330E+01	-1.5000000E+01	-1.7000000E+01	-1.4000000E+01	log(m^2)	WPO35268	Y	N/A
3133	1,3	TRIANGULAR	-1.5333330E+01	-1.5000000E+01	-1.7000000E+01	-1.4000000E+01	log(m^2)	WPO35597	Y	N/A
3133	1,3	TRIANGULAR	-1.5333330E+01	-1.5000000E+01	-1.7000000E+01	-1.4000000E+01	log(m^2)	WPO41558	Y	N/A
3134	3,5	CONSTANT	-9.0000000E+00	-9.0000000E+00	-9.0000000E+00	-9.0000000E+00	log(m^2)	WPO35134	Y	N/A
3134	3,5	CONSTANT	-9.0000000E+00	-9.0000000E+00	-9.0000000E+00	-9.0000000E+00	log(m^2)	WPO40514	Y	N/A
3135	1,3	CONSTANT	3.2000000E-01	3.2000000E-01	3.2000000E-01	3.2000000E-01	NONE	WPO35134	Y	N/A
3135	1,3	CONSTANT	3.2000000E-01	3.2000000E-01	3.2000000E-01	3.2000000E-01	NONE	WPO40514	Y	N/A
3136	1,3	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0.0000000E+00	Pa^-1	WPO35134	Y	N/A
3136	1,3	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0.0000000E+00	Pa^-1	WPO40514	Y	N/A
3137	3,5	CONSTANT	5.0000000E+00	5.0000000E+00	5.0000000E+00	5.0000000E+00	NONE	WPO35134	Y	N/A
3137	3,5	CONSTANT	5.0000000E+00	5.0000000E+00	5.0000000E+00	5.0000000E+00	NONE	WPO40514	Y	N/A
3138	1,3	CONSTANT	1.0000000E+00	1.0000000E+00	1.0000000E+00	1.0000000E+00	NONE	WPO35134	Y	N/A
3138	1,3	CONSTANT	1.0000000E+00	1.0000000E+00	1.0000000E+00	1.0000000E+00	NONE	WPO40514	Y	N/A
3139	1,3	CONSTANT	1.0000000E+08	1.0000000E+08	1.0000000E+08	1.0000000E+08	Pa	WPO35134	Y	N/A
3139	1,3	CONSTANT	1.0000000E+08	1.0000000E+08	1.0000000E+08	1.0000000E+08	Pa	WPO40514	Y	N/A
3140	1,3	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0.0000000E+00	NONE	WPO35134	Y	N/A

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WFO #)	Data Entry Date	Is the 464 constant with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		3140	BH_OPEN	Borehole Unrestricted	SAT_RBRN	Residual Brine Saturation	36570	14-Mar-96	Y	4B
Y		3141	BH_OPEN	Borehole Unrestricted	SAT_RGAS	Residual Gas Saturation	36571	14-Mar-96	Y	4B
Y		3141	BH_OPEN	Borehole Unrestricted	SAT_RGAS	Residual Gas Saturation	36571	14-Mar-96	Y	4B
Y		3142	BH_OPEN	Borehole Unrestricted	PORE_DIS	Brooks-Corey pore distribution parameter	36572	14-Mar-96	Y	4B
Y		3142	BH_OPEN	Borehole Unrestricted	PORE_DIS	Brooks-Corey pore distribution parameter	36572	14-Mar-96	Y	4B
Y		3143	BH_OPEN	Borehole Unrestricted	PO_MIN	Minimum brine pressure for capillary model KPC=3	36584	14-Mar-96	Y	4B
Y		3143	BH_OPEN	Borehole Unrestricted	PO_MIN	Minimum brine pressure for capillary model KPC=3	36584	14-Mar-96	Y	4B
Y		3144	BH_OPEN	Borehole Unrestricted	KPT	Flag for Permeability Determined Threshold	36585	14-Mar-96	Y	4B
Y		3144	BH_OPEN	Borehole Unrestricted	KPT	Flag for Permeability Determined Threshold	36585	14-Mar-96	Y	4B
Y		3145	BH_OPEN	Borehole Unrestricted	PCT_A	Threshold Pressure Linear Parameter	36586	14-Mar-96	Y	4B
Y		3145	BH_OPEN	Borehole Unrestricted	PCT_A	Threshold Pressure Linear Parameter	36586	14-Mar-96	Y	4B
Y		3146	BH_OPEN	Borehole Unrestricted	PCT_EXP	Threshold pressure exponential parameter	36588	14-Mar-96	Y	4B
Y		3146	BH_OPEN	Borehole Unrestricted	PCT_EXP	Threshold pressure exponential parameter	36588	14-Mar-96	Y	4B
Y		3147	CONC_PLG	Concrete Plug, surface and Rustler	POROSITY	Effective porosity	36589	14-Mar-96	Y	4B
Y		3147	CONC_PLG	Concrete Plug, surface and Rustler	POROSITY	Effective porosity	36589	14-Mar-96	Y	4B
Y		3148	CONC_PLG	Concrete Plug, surface and Rustler	COMP_RCK	Bulk Compressibility	36591	02-May-96	Y	4B
Y		3148	CONC_PLG	Concrete Plug, surface and Rustler	COMP_RCK	Bulk Compressibility	36591	02-May-96	Y	4B
Y		3149	CONC_PLG	Concrete Plug, surface and Rustler	REL_P_MOD	Model number, relative permeability model	36592	14-Mar-96	Y	4B
Y		3149	CONC_PLG	Concrete Plug, surface and Rustler	REL_P_MOD	Model number, relative permeability model	36592	14-Mar-96	Y	4B
Y		3150	CONC_PLG	Concrete Plug, surface and Rustler	CAP_MOD	Model number, capillary pressure model	36593	14-Mar-96	Y	4B
Y		3150	CONC_PLG	Concrete Plug, surface and Rustler	CAP_MOD	Model number, capillary pressure model	36593	14-Mar-96	Y	4B
Y		3151	CONC_PLG	Concrete Plug, surface and Rustler	PC_MAX	Maximum allowable capillary pressure	36595	14-Mar-96	Y	4B
Y		3151	CONC_PLG	Concrete Plug, surface and Rustler	PC_MAX	Maximum allowable capillary pressure	36595	14-Mar-96	Y	4B
Y		3152	CONC_PLG	Concrete Plug, surface and Rustler	SAT_RBRN	Residual Brine Saturation	36596	14-Mar-96	Y	4B
Y		3152	CONC_PLG	Concrete Plug, surface and Rustler	SAT_RBRN	Residual Brine Saturation	36596	14-Mar-96	-Y	4B
Y		3153	CONC_PLG	Concrete Plug, surface and Rustler	SAT_RGAS	Residual Gas Saturation	36597	14-Mar-96	Y	4B
Y		3153	CONC_PLG	Concrete Plug, surface and Rustler	SAT_RGAS	Residual Gas Saturation	36597	14-Mar-96	Y	4B
Y		3154	CONC_PLG	Concrete Plug, surface and Rustler	PORE_DIS	Brooks-Corey pore distribution parameter	36598	14-Mar-96	Y	4B
Y		3154	CONC_PLG	Concrete Plug, surface and Rustler	PORE_DIS	Brooks-Corey pore distribution parameter	36598	14-Mar-96	Y	4B
Y		3155	CONC_PLG	Concrete Plug, surface and Rustler	PO_MIN	Minimum brine pressure for capillary model KPC=3	36599	14-Mar-96	Y	4B
Y		3155	CONC_PLG	Concrete Plug, surface and Rustler	PO_MIN	Minimum brine pressure for capillary model KPC=3	36599	14-Mar-96	Y	4B
Y		3156	CONC_PLG	Concrete Plug, surface and Rustler	KPT	Flag for Permeability Determined Threshold	36600	14-Mar-96	Y	4B
Y		3156	CONC_PLG	Concrete Plug, surface and Rustler	KPT	Flag for Permeability Determined Threshold	36600	14-Mar-96	Y	4B
Y		3157	CONC_PLG	Concrete Plug, surface and Rustler	PCT_A	Threshold Pressure Linear Parameter	36601	14-Mar-96	Y	4B
Y		3157	CONC_PLG	Concrete Plug, surface and Rustler	PCT_A	Threshold Pressure Linear Parameter	36601	14-Mar-96	Y	4B
Y		3158	CONC_PLG	Concrete Plug, surface and Rustler	PCT_EXP	Threshold pressure exponential parameter	36603	14-Mar-96	Y	4B

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to quality existing data? (footnote 3)
3140	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40514	Y	N/A
3141	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35134	Y	N/A
3141	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40514	Y	N/A
3142	1,3	CONSTANT	7.000000E-01	7.000000E-01	7.000000E-01	7.000000E-01	NONE	WPO35134	Y	N/A
3142	1,3	CONSTANT	7.000000E-01	7.000000E-01	7.000000E-01	7.000000E-01	NONE	WPO40514	Y	N/A
3143	1,3	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO35134	Y	N/A
3143	1,3	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO40514	Y	N/A
3144	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35134	Y	N/A
3144	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40514	Y	N/A
3145	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Pa	WPO35134	Y	N/A
3145	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Pa	WPO40514	Y	N/A
3146	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35134	Y	N/A
3146	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40514	Y	N/A
3147	3,5	CONSTANT	3.200000E-01	3.200000E-01	3.200000E-01	3.200000E-01	NONE	WPO35134	Y	N/A
3147	3,5	CONSTANT	3.200000E-01	3.200000E-01	3.200000E-01	3.200000E-01	NONE	WPO40514	Y	N/A
3148	1,3,4	CONSTANT	1.200000E-09	1.200000E-09	1.200000E-09	1.200000E-09	Pa ⁻¹	WPO35134	Y	N/A
3148	1,3,4	CONSTANT	1.200000E-09	1.200000E-09	1.200000E-09	1.200000E-09	Pa ⁻¹	WPO40514	Y	N/A
3149	1,3,4	CONSTANT	4.000000E+00	4.000000E+00	4.000000E+00	4.000000E+00	NONE	WPO35134	Y	N/A
3149	1,3,4	CONSTANT	4.000000E+00	4.000000E+00	4.000000E+00	4.000000E+00	NONE	WPO40514	Y	N/A
3150	1,3,4	CONSTANT	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	NONE	WPO35134	Y	N/A
3150	1,3,4	CONSTANT	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	NONE	WPO40514	Y	N/A
3151	1,3	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO35134	Y	N/A
3151	1,3	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO40514	Y	N/A
3152	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35134	Y	N/A
3152	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40514	-Y	N/A
3153	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35134	Y	N/A
3153	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40514	Y	N/A
3154	1,3	CONSTANT	9.400000E-01	9.400000E-01	9.400000E-01	9.400000E-01	NONE	WPO35134	Y	N/A
3154	1,3	CONSTANT	9.400000E-01	9.400000E-01	9.400000E-01	9.400000E-01	NONE	WPO40514	Y	N/A
3155	1,3	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO35134	Y	N/A
3155	1,3	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO40514	Y	N/A
3156	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35134	Y	N/A
3156	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40514	Y	N/A
3157	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Pa	WPO35134	Y	N/A
3157	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Pa	WPO40514	Y	N/A
3158	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35134	Y	N/A

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 454 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		3158	CONC_PLG	Concrete Plug, surface and Rustler	PCT_EXP	Threshold pressure exponential parameter	36603	14-Mar-96	Y	4B
Y		3159	BH_SAND	Borehole filled with silty sand	POROSITY	Effective porosity	36605	14-Mar-96	Y	4B
Y		3159	BH_SAND	Borehole filled with silty sand	POROSITY	Effective porosity	36605	14-Mar-96	Y	4B
Y		3160	BH_SAND	Borehole filled with silty sand	COMP_RCK	Bulk Compressibility	36610	14-Mar-96	Y	4B
Y		3160	BH_SAND	Borehole filled with silty sand	COMP_RCK	Bulk Compressibility	36610	14-Mar-96	Y	4B
Y		3161	BH_SAND	Borehole filled with silty sand	REL_P_MOD	Model number, relative permeability model	36611	14-Mar-96	Y	4B
Y		3161	BH_SAND	Borehole filled with silty sand	REL_P_MOD	Model number, relative permeability model	36611	14-Mar-96	Y	4B
Y		3162	BH_SAND	Borehole filled with silty sand	CAP_MOD	Model number, capillary pressure model	36612	14-Mar-96	Y	4B
Y		3162	BH_SAND	Borehole filled with silty sand	CAP_MOD	Model number, capillary pressure model	36612	14-Mar-96	Y	4B
Y		3163	BH_SAND	Borehole filled with silty sand	PC_MAX	Maximum allowable capillary pressure	36613	14-Mar-96	Y	4B
Y		3163	BH_SAND	Borehole filled with silty sand	PC_MAX	Maximum allowable capillary pressure	36613	14-Mar-96	Y	4B
Y		3164	BH_SAND	Borehole filled with silty sand	SAT_RBRN	Residual Brine Saturation	36614	14-Mar-96	Y	4B
Y		3164	BH_SAND	Borehole filled with silty sand	SAT_RBRN	Residual Brine Saturation	36614	14-Mar-96	Y	4B
Y		3165	BH_SAND	Borehole filled with silty sand	SAT_RGAS	Residual Gas Saturation	36615	14-Mar-96	Y	4B
Y		3165	BH_SAND	Borehole filled with silty sand	SAT_RGAS	Residual Gas Saturation	36615	14-Mar-96	Y	4B
Y		3166	BH_SAND	Borehole filled with silty sand	PORE_DIS	Brooks-Corey pore distribution parameter	36616	14-Mar-96	Y	4B
Y		3166	BH_SAND	Borehole filled with silty sand	PORE_DIS	Brooks-Corey pore distribution parameter	36616	14-Mar-96	Y	4B
Y		3167	BH_SAND	Borehole filled with silty sand	PO_MIN	Minimum brine pressure for capillary model KPC=3	36617	14-Mar-96	Y	4B
Y		3167	BH_SAND	Borehole filled with silty sand	PO_MIN	Minimum brine pressure for capillary model KPC=3	36617	14-Mar-96	Y	4B
Y		3168	BH_SAND	Borehole filled with silty sand	KPT	Flag for Permeability Determined Threshold	36619	14-Mar-96	Y	4B
Y		3168	BH_SAND	Borehole filled with silty sand	KPT	Flag for Permeability Determined Threshold	36619	14-Mar-96	Y	4B
Y		3169	BH_SAND	Borehole filled with silty sand	PCT_A	Threshold Pressure Linear Parameter	36620	14-Mar-96	Y	4B
Y		3169	BH_SAND	Borehole filled with silty sand	PCT_A	Threshold Pressure Linear Parameter	36620	14-Mar-96	Y	4B
Y		3170	BH_SAND	Borehole filled with silty sand	PCT_EXP	Threshold pressure exponential parameter	36621	14-Mar-96	Y	4B
Y		3170	BH_SAND	Borehole filled with silty sand	PCT_EXP	Threshold pressure exponential parameter	36621	14-Mar-96	-Y	4B
Y		3171	BH_CREEP	Creep Borehole Fill	POROSITY	Effective porosity	36624	14-Mar-96	Y	4B
Y		3171	BH_CREEP	Creep Borehole Fill	POROSITY	Effective porosity	36624	14-Mar-96	Y	4B
Y		3172	BH_CREEP	Creep Borehole Fill	COMP_RCK	Bulk Compressibility	36625	14-Mar-96	Y	4B
Y		3172	BH_CREEP	Creep Borehole Fill	COMP_RCK	Bulk Compressibility	36625	14-Mar-96	Y	4B
Y		3173	BH_CREEP	Creep Borehole Fill	REL_P_MOD	Model number, relative permeability model	36626	14-Mar-96	Y	4B
Y		3173	BH_CREEP	Creep Borehole Fill	REL_P_MOD	Model number, relative permeability model	36626	14-Mar-96	Y	4B
Y		3174	BH_CREEP	Creep Borehole Fill	CAP_MOD	Model number, capillary pressure model	36627	14-Mar-96	Y	4B
Y		3174	BH_CREEP	Creep Borehole Fill	CAP_MOD	Model number, capillary pressure model	36627	14-Mar-96	Y	4B
Y		3175	BH_CREEP	Creep Borehole Fill	PC_MAX	Maximum allowable capillary pressure	36628	14-Mar-96	Y	4B
Y		3175	BH_CREEP	Creep Borehole Fill	PC_MAX	Maximum allowable capillary pressure	36628	14-Mar-96	Y	4B
Y		3176	BH_CREEP	Creep Borehole Fill	SAT_RBRN	Residual Brine Saturation	36630	14-Mar-96	Y	4B
Y		3176	BH_CREEP	Creep Borehole Fill	SAT_RBRN	Residual Brine Saturation	36630	14-Mar-96	Y	4B
Y		3177	BH_CREEP	Creep Borehole Fill	SAT_RGAS	Residual Gas Saturation	36631	14-Mar-96	Y	4B
Y		3177	BH_CREEP	Creep Borehole Fill	SAT_RGAS	Residual Gas Saturation	36631	14-Mar-96	Y	4B

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
3158	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40514	Y	N/A
3159	1,3	CONSTANT	3.200000E-01	3.200000E-01	3.200000E-01	3.200000E-01	NONE	WPO35134	Y	N/A
3159	1,3	CONSTANT	3.200000E-01	3.200000E-01	3.200000E-01	3.200000E-01	NONE	WPO40514	Y	N/A
3160	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Pa^-1	WPO35134	Y	N/A
3160	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Pa^-1	WPO40514	Y	N/A
3161	1,3	CONSTANT	4.000000E+00	4.000000E+00	4.000000E+00	4.000000E+00	NONE	WPO35134	Y	N/A
3161	1,3	CONSTANT	4.000000E+00	4.000000E+00	4.000000E+00	4.000000E+00	NONE	WPO40514	Y	N/A
3162	3,5	CONSTANT	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	NONE	WPO35134	Y	N/A
3162	3,5	CONSTANT	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	NONE	WPO40514	Y	N/A
3163	1,3	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO35134	Y	N/A
3163	1,3	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO40514	Y	N/A
3164	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35134	Y	N/A
3164	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40514	Y	N/A
3165	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35134	Y	N/A
3165	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40514	Y	N/A
3166	1,3	CONSTANT	9.400000E-01	9.400000E-01	9.400000E-01	9.400000E-01	NONE	WPO35134	Y	N/A
3166	1,3	CONSTANT	9.400000E-01	9.400000E-01	9.400000E-01	9.400000E-01	NONE	WPO40514	Y	N/A
3167	1,3	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO35134	Y	N/A
3167	1,3	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO40514	Y	N/A
3168	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35134	Y	N/A
3168	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40514	Y	N/A
3169	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Pa	WPO35134	Y	N/A
3169	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Pa	WPO40514	Y	N/A
3170	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35134	Y	N/A
3170	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40514	-Y	N/A
3171	1,3	CONSTANT	3.200000E-01	3.200000E-01	3.200000E-01	3.200000E-01	NONE	WPO35134	Y	N/A
3171	1,3	CONSTANT	3.200000E-01	3.200000E-01	3.200000E-01	3.200000E-01	NONE	WPO40514	Y	N/A
3172	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Pa^-1	WPO35134	Y	N/A
3172	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Pa^-1	WPO40514	Y	N/A
3173	1,3	CONSTANT	4.000000E+00	4.000000E+00	4.000000E+00	4.000000E+00	NONE	WPO35134	Y	N/A
3173	1,3	CONSTANT	4.000000E+00	4.000000E+00	4.000000E+00	4.000000E+00	NONE	WPO40514	Y	N/A
3174	3,5	CONSTANT	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	NONE	WPO35134	Y	N/A
3174	3,5	CONSTANT	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	NONE	WPO40514	Y	N/A
3175	1,3	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO35134	Y	N/A
3175	1,3	CONSTANT	1.000000E+08	1.000000E+08	1.000000E+08	1.000000E+08	Pa	WPO40514	Y	N/A
3176	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35134	Y	N/A
3176	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40514	Y	N/A
3177	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35134	Y	N/A
3177	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40514	Y	N/A

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 454 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		3178	BH_CREEP	Creep Borehole Fill	PORE_DIS	Brooks-Corey pore distribution parameter	36633	14-Mar-96	Y	4B
Y		3178	BH_CREEP	Creep Borehole Fill	PORE_DIS	Brooks-Corey pore distribution parameter	36633	14-Mar-96	Y	4B
Y		3179	BH_CREEP	Creep Borehole Fill	PO_MIN	Minimum brine pressure for capillary model KPC=3	36634	14-Mar-96	Y	4B
Y		3179	BH_CREEP	Creep Borehole Fill	PO_MIN	Minimum brine pressure for capillary model KPC=3	36634	14-Mar-96	Y	4B
Y		3180	BH_CREEP	Creep Borehole Fill	KPT	Flag for Permeability Determined Threshold	36636	14-Mar-96	Y	4B
Y		3180	BH_CREEP	Creep Borehole Fill	KPT	Flag for Permeability Determined Threshold	36636	14-Mar-96	Y	4B
Y		3181	BH_CREEP	Creep Borehole Fill	PCT_A	Threshold Pressure Linear Parameter	36637	14-Mar-96	Y	4B
Y		3181	BH_CREEP	Creep Borehole Fill	PCT_A	Threshold Pressure Linear Parameter	36637	14-Mar-96	Y	4B
Y		3182	BH_CREEP	Creep Borehole Fill	PCT_EXP	Threshold pressure exponential parameter	36639	14-Mar-96	Y	4B
Y		3182	BH_CREEP	Creep Borehole Fill	PCT_EXP	Threshold pressure exponential parameter	36639	14-Mar-96	Y	4B
Y	varies	3183	BH_CREEP	Creep Borehole Fill	PRMX_LOG	Log of intrinsic permeability, X-direction	36640	14-Mar-96	Y	1
Y	varies	3183	BH_CREEP	Creep Borehole Fill	PRMX_LOG	Log of intrinsic permeability, X-direction	36640	14-Mar-96	Y	1
Y	varies	3183	BH_CREEP	Creep Borehole Fill	PRMX_LOG	Log of intrinsic permeability, X-direction	36640	14-Mar-96	Y	1
Y		3184	BH_SAND	Borehole filled with silty sand	PRMX_LOG	Log of intrinsic permeability, X-direction	36641	14-Mar-96	Y	1
Y		3184	BH_SAND	Borehole filled with silty sand	PRMX_LOG	Log of intrinsic permeability, X-direction	36641	14-Mar-96	Y	1
Y		3185	CONC_PLG	Concrete Plug, surface and Rustler	PRMX_LOG	Log of intrinsic permeability, X-direction	36642	14-Mar-96	Y	1
Y		3185	CONC_PLG	Concrete Plug, surface and Rustler	PRMX_LOG	Log of intrinsic permeability, X-direction	36642	14-Mar-96	Y	1
Y		3185	CONC_PLG	Concrete Plug, surface and Rustler	PRMX_LOG	Log of intrinsic permeability, X-direction	36642	14-Mar-96	Y	1
Y		3186	BH_OPEN	Borehole Unrestricted	PRMY_LOG	Log of intrinsic permeability, Y-direction	36649	14-Mar-96	Y	4B
Y		3186	BH_OPEN	Borehole Unrestricted	PRMY_LOG	Log of intrinsic permeability, Y-direction	36649	14-Mar-96	Y	4B
Y		3187	BH_OPEN	Borehole Unrestricted	PRMZ_LOG	Log of intrinsic permeability, Z-direction	36650	14-Mar-96	Y	4B
Y		3187	BH_OPEN	Borehole Unrestricted	PRMZ_LOG	Log of intrinsic permeability, Z-direction	36650	14-Mar-96	Y	4B
Y		3188	BH_CREEP	Creep Borehole Fill	PRMY_LOG	Log of intrinsic permeability, Y-direction	36652	14-Mar-96	Y	1
Y		3188	BH_CREEP	Creep Borehole Fill	PRMY_LOG	Log of intrinsic permeability, Y-direction	36652	14-Mar-96	Y	1
Y		3189	BH_CREEP	Creep Borehole Fill	PRMZ_LOG	Log of intrinsic permeability, Z-direction	36653	14-Mar-96	-Y	1
Y		3189	BH_CREEP	Creep Borehole Fill	PRMZ_LOG	Log of intrinsic permeability, Z-direction	36653	14-Mar-96	Y	1
Y		3190	BH_SAND	Borehole filled with silty sand	PRMY_LOG	Log of intrinsic permeability, Y-direction	36654	14-Mar-96	Y	1
Y		3190	BH_SAND	Borehole filled with silty sand	PRMY_LOG	Log of intrinsic permeability, Y-direction	36654	14-Mar-96	Y	1
Y		3191	BH_SAND	Borehole filled with silty sand	PRMZ_LOG	Log of intrinsic permeability, Z-direction	36655	14-Mar-96	Y	1
Y		3191	BH_SAND	Borehole filled with silty sand	PRMZ_LOG	Log of intrinsic permeability, Z-direction	36655	14-Mar-96	Y	1
Y		3192	CONC_PLG	Concrete Plug, surface and Rustler	PRMY_LOG	Log of intrinsic permeability, Y-direction	36656	14-Mar-96	Y	1
Y		3192	CONC_PLG	Concrete Plug, surface and Rustler	PRMY_LOG	Log of intrinsic permeability, Y-direction	36656	14-Mar-96	Y	1
Y		3192	CONC_PLG	Concrete Plug, surface and Rustler	PRMY_LOG	Log of intrinsic permeability, Y-direction	36656	14-Mar-96	Y	1
Y		3193	CONC_PLG	Concrete Plug, surface and Rustler	PRMZ_LOG	Log of intrinsic permeability, Z-direction	36657	14-Mar-96	Y	1
Y		3193	CONC_PLG	Concrete Plug, surface and Rustler	PRMZ_LOG	Log of intrinsic permeability, Z-direction	36657	14-Mar-96	Y	1
Y		3193	CONC_PLG	Concrete Plug, surface and Rustler	PRMZ_LOG	Log of intrinsic permeability, Z-direction	36657	14-Mar-96	Y	1

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ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to quality existing data? (footnote 3)
3178	1,3	CONSTANT	9.400000E-01	9.400000E-01	9.400000E-01	9.400000E-01	NONE	WPO35134	Y	N/A
3178	1,3	CONSTANT	9.400000E-01	9.400000E-01	9.400000E-01	9.400000E-01	NONE	WPO40514	Y	N/A
3179	1,3	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO35134	Y	N/A
3179	1,3	CONSTANT	1.013250E+05	1.013250E+05	1.013250E+05	1.013250E+05	Pa	WPO40514	Y	N/A
3180	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35134	Y	N/A
3180	1,3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40514	Y	N/A
3181	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Pa	WPO35134	Y	N/A
3181	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Pa	WPO40514	Y	N/A
3182	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO35134	Y	N/A
3182	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40514	Y	N/A
3183	3,5	UNIFORM	-1.350000E+01	-1.350000E+01	-1.500000E+01	-1.200000E+01	log(m ²)	WPO35134	Y	N/A
3183	3,5	UNIFORM	-1.350000E+01	-1.350000E+01	-1.500000E+01	-1.200000E+01	log(m ²)	WPO35268	Y	N/A
3183	3,5	UNIFORM	-1.350000E+01	-1.350000E+01	-1.500000E+01	-1.200000E+01	log(m ²)	WPO40434	Y	N/A
3184	3,5	UNIFORM	-1.250000E+01	-1.250000E+01	-1.400000E+01	-1.100000E+01	log(m ²)	WPO35134	Y	N/A
3184	3,5	UNIFORM	-1.250000E+01	-1.250000E+01	-1.400000E+01	-1.100000E+01	log(m ²)	WPO35268	Y	N/A
3185	3,5	CONSTANT	-1.630100E+01	-1.630100E+01	-1.630100E+01	-1.630100E+01	log(m ²)	WPO35134	Y	N/A
3185	3,5	CONSTANT	-1.630100E+01	-1.630100E+01	-1.630100E+01	-1.630100E+01	log(m ²)	WPO36041	Y	N/A
3185	3,5	CONSTANT	-1.630100E+01	-1.630100E+01	-1.630100E+01	-1.630100E+01	log(m ²)	WPO41131	Y	N/A
3186	3,5	CONSTANT	-9.000000E+00	-9.000000E+00	-9.000000E+00	-9.000000E+00	log(m ²)	WPO35134	Y	N/A
3186	3,5	CONSTANT	-9.000000E+00	-9.000000E+00	-9.000000E+00	-9.000000E+00	log(m ²)	WPO40514	Y	N/A
3187	3,5	CONSTANT	-9.000000E+00	-9.000000E+00	-9.000000E+00	-9.000000E+00	log(m ²)	WPO35134	Y	N/A
3187	3,5	CONSTANT	-9.000000E+00	-9.000000E+00	-9.000000E+00	-9.000000E+00	log(m ²)	WPO40514	Y	N/A
3188	3,5	UNIFORM	-1.350000E+01	-1.350000E+01	-1.500000E+01	-1.200000E+01	log(m ²)	WPO35134	Y	N/A
3188	3,5	UNIFORM	-1.350000E+01	-1.350000E+01	-1.500000E+01	-1.200000E+01	log(m ²)	WPO35268	Y	N/A
3189	3,5	UNIFORM	-1.350000E+01	-1.350000E+01	-1.500000E+01	-1.200000E+01	log(m ²)	WPO35134	-Y	N/A
3189	3,5	UNIFORM	-1.350000E+01	-1.350000E+01	-1.500000E+01	-1.200000E+01	log(m ²)	WPO35268	Y	N/A
3190	3,5	UNIFORM	-1.250000E+01	-1.250000E+01	-1.400000E+01	-1.100000E+01	log(m ²)	WPO35134	Y	N/A
3190	3,5	UNIFORM	-1.250000E+01	-1.250000E+01	-1.400000E+01	-1.100000E+01	log(m ²)	WPO35268	Y	N/A
3191	3,5	UNIFORM	-1.250000E+01	-1.250000E+01	-1.400000E+01	-1.100000E+01	log(m ²)	WPO35134	Y	N/A
3191	3,5	UNIFORM	-1.250000E+01	-1.250000E+01	-1.400000E+01	-1.100000E+01	log(m ²)	WPO35268	Y	N/A
3192	3,5	CONSTANT	-1.630100E+01	-1.630100E+01	-1.630100E+01	-1.630100E+01	log(m ²)	WPO35134	Y	N/A
3192	3,5	CONSTANT	-1.630100E+01	-1.630100E+01	-1.630100E+01	-1.630100E+01	log(m ²)	WPO36041	Y	N/A
3192	3,5	CONSTANT	-1.630100E+01	-1.630100E+01	-1.630100E+01	-1.630100E+01	log(m ²)	WPO41131	Y	N/A
3193	3,5	CONSTANT	-1.630100E+01	-1.630100E+01	-1.630100E+01	-1.630100E+01	log(m ²)	WPO35134	Y	N/A
3193	3,5	CONSTANT	-1.630100E+01	-1.630100E+01	-1.630100E+01	-1.630100E+01	log(m ²)	WPO36041	Y	N/A
3193	3,5	CONSTANT	-1.630100E+01	-1.630100E+01	-1.630100E+01	-1.630100E+01	log(m ²)	WPO41131	Y	N/A

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Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WFO #)	Data Entry Date	Is the 464 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		3194	CASTILER	Castile Brine Reservoir	GRIDFLO	Index for Selecting a Brine Pocket	36558A	21-Mar-96	Y	4B
Y		3194	CASTILER	Castile Brine Reservoir	GRIDFLO	Index for Selecting a Brine Pocket	36558A	21-Mar-96	Y	4B
Y		3194	CASTILER	Castile Brine Reservoir	GRIDFLO	Index for Selecting a Brine Pocket	36558A	21-Mar-96	Y	4B
Y		3194	CASTILER	Castile Brine Reservoir	GRIDFLO	Index for Selecting a Brine Pocket	36558A	21-Mar-96	Y	4B
Y		3196	TL207	Thallium 207	ATWEIGHT	Atomic Weight in kg/mole	36659	10-Apr-96	Y	3
Y		3196	TL207	Thallium 207	ATWEIGHT	Atomic Weight in kg/mole	36659	10-Apr-96	Y	3
Y		3197	PA234M	Protactinium 234 Metastable	ATWEIGHT	Atomic Weight in kg/mole	36660	10-Apr-96	Y	3
Y		3197	PA234M	Protactinium 234 Metastable	ATWEIGHT	Atomic Weight in kg/mole	36660	10-Apr-96	Y	3
Y		3198	Y90	Yttrium 90	ATWEIGHT	Atomic Weight in kg/mole	36703	10-Apr-96	Y	3
Y		3198	Y90	Yttrium 90	ATWEIGHT	Atomic Weight in kg/mole	36703	10-Apr-96	Y	3
Y		3199	ZR90	Zirconium 90	ATWEIGHT	Atomic Weight in kg/mole	36704	10-Apr-96	Y	3
Y		3199	ZR90	Zirconium 90	ATWEIGHT	Atomic Weight in kg/mole	36704	10-Apr-96	Y	3
Y		3200	PB211	Lead 211	ATWEIGHT	Atomic Weight in kg/mole	36705	10-Apr-96	Y	3
Y		3200	PB211	Lead 211	ATWEIGHT	Atomic Weight in kg/mole	36705	10-Apr-96	Y	3
Y		3201	PB212	Lead 212	ATWEIGHT	Atomic Weight in kg/mole	36706	10-Apr-96	Y	3
Y		3201	PB212	Lead 212	ATWEIGHT	Atomic Weight in kg/mole	36706	10-Apr-96	Y	3
Y		3202	PB214	Lead 214	ATWEIGHT	Atomic Weight in kg/mole	36707	10-Apr-96	Y	3
Y		3202	PB214	Lead 214	ATWEIGHT	Atomic Weight in kg/mole	36707	10-Apr-96	Y	3
Y		3203	PO212	Polonium 212	ATWEIGHT	Atomic Weight in kg/mole	36708	10-Apr-96	Y	3
Y		3203	PO212	Polonium 212	ATWEIGHT	Atomic Weight in kg/mole	36708	10-Apr-96	Y	3
Y		3204	PO213	Polonium 213	ATWEIGHT	Atomic Weight in kg/mole	36709	10-Apr-96	Y	3
Y		3204	PO213	Polonium 213	ATWEIGHT	Atomic Weight in kg/mole	36709	10-Apr-96	Y	3
Y		3205	PO214	Polonium 214	ATWEIGHT	Atomic Weight in kg/mole	36710	10-Apr-96	Y	3
Y		3205	PO214	Polonium 214	ATWEIGHT	Atomic Weight in kg/mole	36710	10-Apr-96	Y	3
Y		3206	PO215	Polonium 215	ATWEIGHT	Atomic Weight in kg/mole	36711	10-Apr-96	Y	3
Y		3206	PO215	Polonium 215	ATWEIGHT	Atomic Weight in kg/mole	36711	10-Apr-96	Y	3
Y		3207	PO216	Polonium 216	ATWEIGHT	Atomic Weight in kg/mole	36712	10-Apr-96	Y	3
Y		3207	PO216	Polonium 216	ATWEIGHT	Atomic Weight in kg/mole	36712	10-Apr-96	Y	3
Y		3208	PO218	Polonium 218	ATWEIGHT	Atomic Weight in kg/mole	36713	10-Apr-96	Y	3
Y		3208	PO218	Polonium 218	ATWEIGHT	Atomic Weight in kg/mole	36713	10-Apr-96	Y	3
Y		3209	RA223	Radium 223	ATWEIGHT	Atomic Weight in kg/mole	36714	10-Apr-96	Y	3
Y		3209	RA223	Radium 223	ATWEIGHT	Atomic Weight in kg/mole	36714	10-Apr-96	Y	3
Y		3209	RA223	Radium 223	ATWEIGHT	Atomic Weight in kg/mole	36714	10-Apr-96	Y	3
Y		3210	RA224	Radium 224	ATWEIGHT	Atomic Weight in kg/mole	36715	10-Apr-96	Y	3
Y		3210	RA224	Radium 224	ATWEIGHT	Atomic Weight in kg/mole	36715	10-Apr-96	Y	3
Y		3210	RA224	Radium 224	ATWEIGHT	Atomic Weight in kg/mole	36715	10-Apr-96	Y	3
Y		3211	RA225	Radium 225	ATWEIGHT	Atomic Weight in kg/mole	36716	10-Apr-96	Y	3
Y		3211	RA225	Radium 225	ATWEIGHT	Atomic Weight in kg/mole	36716	10-Apr-96	Y	3
Y		3211	RA225	Radium 225	ATWEIGHT	Atomic Weight in kg/mole	36716	10-Apr-96	Y	3
Y		3212	RN219	Radon 219	ATWEIGHT	Atomic Weight in kg/mole	36719	10-Apr-96	Y	3
Y		3212	RN219	Radon 219	ATWEIGHT	Atomic Weight in kg/mole	36719	10-Apr-96	Y	3
Y		3212	RN219	Radon 219	ATWEIGHT	Atomic Weight in kg/mole	36719	10-Apr-96	Y	3
Y		3213	RN220	Radon 220	ATWEIGHT	Atomic Weight in kg/mole	36720	10-Apr-96	Y	3
Y		3213	RN220	Radon 220	ATWEIGHT	Atomic Weight in kg/mole	36720	10-Apr-96	Y	3
Y		3213	RN220	Radon 220	ATWEIGHT	Atomic Weight in kg/mole	36720	10-Apr-96	Y	3
Y		3214	RN222	Radon 222	ATWEIGHT	Atomic Weight in kg/mole	36732	10-Apr-96	Y	3
Y		3214	RN222	Radon 222	ATWEIGHT	Atomic Weight in kg/mole	36732	10-Apr-96	Y	3
Y		3214	RN222	Radon 222	ATWEIGHT	Atomic Weight in kg/mole	36732	10-Apr-96	Y	3
Y	0.1	3215	SR90	Strontium 90	ATWEIGHT	Atomic Weight in kg/mole	36733	10-Apr-96	Y	3
Y	0.1	3215	SR90	Strontium 90	ATWEIGHT	Atomic Weight in kg/mole	36733	10-Apr-96	Y	3
Y	0.1	3215	SR90	Strontium 90	ATWEIGHT	Atomic Weight in kg/mole	36733	10-Apr-96	Y	3

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ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to quality existing data? (footnote 3)
3194	3,5	DELTA	1.600000E+01	1.600000E+01	1.000000E+00	3.200000E+01	NONE	WPO35268	Y	N/A
3194	3,5	DELTA	1.600000E+01	1.600000E+01	1.000000E+00	3.200000E+01	NONE	WPO37147	Y	N/A
3194	3,5	DELTA	1.600000E+01	1.600000E+01	1.000000E+00	3.200000E+01	NONE	WPO40514	Y	N/A
3194	3,5	DELTA	1.600000E+01	1.600000E+01	1.000000E+00	3.200000E+01	NONE	WPO41662	Y	N/A
3196	4	CONSTANT	2.069770E-01	2.069770E-01	2.069770E-01	2.069770E-01	kg/mole	WPO36301	Y	N/A
3196	4	CONSTANT	2.069770E-01	2.069770E-01	2.069770E-01	2.069770E-01	kg/mole	WPO37404	Y	N/A
3197	4	CONSTANT	2.340430E-01	2.340430E-01	2.340430E-01	2.340430E-01	kg/mole	WPO36301	Y	N/A
3197	4	CONSTANT	2.340430E-01	2.340430E-01	2.340430E-01	2.340430E-01	kg/mole	WPO37404	Y	N/A
3198	4	CONSTANT	8.990700E-02	8.990700E-02	8.990700E-02	8.990700E-02	kg/mole	WPO36301	Y	N/A
3198	4	CONSTANT	8.990700E-02	8.990700E-02	8.990700E-02	8.990700E-02	kg/mole	WPO37404	Y	N/A
3199	4	CONSTANT	8.990500E-02	8.990500E-02	8.990500E-02	8.990500E-02	kg/mole	WPO36301	Y	N/A
3199	4	CONSTANT	8.990500E-02	8.990500E-02	8.990500E-02	8.990500E-02	kg/mole	WPO37404	Y	N/A
3200	4	CONSTANT	2.109890E-01	2.109890E-01	2.109890E-01	2.109890E-01	kg/mole	WPO36301	Y	N/A
3200	4	CONSTANT	2.109890E-01	2.109890E-01	2.109890E-01	2.109890E-01	kg/mole	WPO37404	Y	N/A
3201	4	CONSTANT	2.119920E-01	2.119920E-01	2.119920E-01	2.119920E-01	kg/mole	WPO36301	Y	N/A
3201	4	CONSTANT	2.119920E-01	2.119920E-01	2.119920E-01	2.119920E-01	kg/mole	WPO37404	Y	N/A
3202	4	CONSTANT	2.140000E-01	2.140000E-01	2.140000E-01	2.140000E-01	kg/mole	WPO36301	Y	N/A
3202	4	CONSTANT	2.140000E-01	2.140000E-01	2.140000E-01	2.140000E-01	kg/mole	WPO37404	Y	N/A
3203	4	CONSTANT	2.119890E-01	2.119890E-01	2.119890E-01	2.119890E-01	kg/mole	WPO36301	Y	N/A
3203	4	CONSTANT	2.119890E-01	2.119890E-01	2.119890E-01	2.119890E-01	kg/mole	WPO37404	Y	N/A
3204	4	CONSTANT	2.129930E-01	2.129930E-01	2.129930E-01	2.129930E-01	kg/mole	WPO36301	Y	N/A
3204	4	CONSTANT	2.129930E-01	2.129930E-01	2.129930E-01	2.129930E-01	kg/mole	WPO37404	Y	N/A
3205	4	CONSTANT	2.139950E-01	2.139950E-01	2.139950E-01	2.139950E-01	kg/mole	WPO36301	Y	N/A
3205	4	CONSTANT	2.139950E-01	2.139950E-01	2.139950E-01	2.139950E-01	kg/mole	WPO37404	Y	N/A
3206	4	CONSTANT	2.149990E-01	2.149990E-01	2.149990E-01	2.149990E-01	kg/mole	WPO36301	Y	N/A
3206	4	CONSTANT	2.149990E-01	2.149990E-01	2.149990E-01	2.149990E-01	kg/mole	WPO37404	Y	N/A
3207	4	CONSTANT	2.160020E-01	2.160020E-01	2.160020E-01	2.160020E-01	kg/mole	WPO36301	Y	N/A
3207	4	CONSTANT	2.160020E-01	2.160020E-01	2.160020E-01	2.160020E-01	kg/mole	WPO37404	Y	N/A
3208	4	CONSTANT	2.180090E-01	2.180090E-01	2.180090E-01	2.180090E-01	kg/mole	WPO36301	Y	N/A
3208	4	CONSTANT	2.180090E-01	2.180090E-01	2.180090E-01	2.180090E-01	kg/mole	WPO37404	Y	N/A
3209	4	CONSTANT	2.230190E-01	2.230190E-01	2.230190E-01	2.230190E-01	kg/mole	WPO36298	Y	N/A
3209	4	CONSTANT	2.230190E-01	2.230190E-01	2.230190E-01	2.230190E-01	kg/mole	WPO36301	Y	N/A
3209	4	CONSTANT	2.230190E-01	2.230190E-01	2.230190E-01	2.230190E-01	kg/mole	WPO37404	Y	N/A
3210	4	CONSTANT	2.240200E-01	2.240200E-01	2.240200E-01	2.240200E-01	kg/mole	WPO36298	Y	N/A
3210	4	CONSTANT	2.240200E-01	2.240200E-01	2.240200E-01	2.240200E-01	kg/mole	WPO36301	Y	N/A
3210	4	CONSTANT	2.240200E-01	2.240200E-01	2.240200E-01	2.240200E-01	kg/mole	WPO37404	Y	N/A
3211	4	CONSTANT	2.250240E-01	2.250240E-01	2.250240E-01	2.250240E-01	kg/mole	WPO36298	Y	N/A
3211	4	CONSTANT	2.250240E-01	2.250240E-01	2.250240E-01	2.250240E-01	kg/mole	WPO36301	Y	N/A
3211	4	CONSTANT	2.250240E-01	2.250240E-01	2.250240E-01	2.250240E-01	kg/mole	WPO37404	Y	N/A
3212	4	CONSTANT	2.190090E-01	2.190090E-01	2.190090E-01	2.190090E-01	kg/mole	WPO36298	Y	N/A
3212	4	CONSTANT	2.190090E-01	2.190090E-01	2.190090E-01	2.190090E-01	kg/mole	WPO36301	Y	N/A
3212	4	CONSTANT	2.190090E-01	2.190090E-01	2.190090E-01	2.190090E-01	kg/mole	WPO37404	Y	N/A
3213	4	CONSTANT	2.200110E-01	2.200110E-01	2.200110E-01	2.200110E-01	kg/mole	WPO36298	Y	N/A
3213	4	CONSTANT	2.200110E-01	2.200110E-01	2.200110E-01	2.200110E-01	kg/mole	WPO36301	Y	N/A
3213	4	CONSTANT	2.200110E-01	2.200110E-01	2.200110E-01	2.200110E-01	kg/mole	WPO37404	Y	N/A
3214	4	CONSTANT	2.220180E-01	2.220180E-01	2.220180E-01	2.220180E-01	kg/mole	WPO36298	Y	N/A
3214	4	CONSTANT	2.220180E-01	2.220180E-01	2.220180E-01	2.220180E-01	kg/mole	WPO36301	Y	N/A
3214	4	CONSTANT	2.220180E-01	2.220180E-01	2.220180E-01	2.220180E-01	kg/mole	WPO37404	Y	N/A
3215	4	CONSTANT	8.990800E-02	8.990800E-02	8.990800E-02	8.990800E-02	kg/mole	WPO36298	Y	N/A
3215	4	CONSTANT	8.990800E-02	8.990800E-02	8.990800E-02	8.990800E-02	kg/mole	WPO36301	Y	N/A
3215	4	CONSTANT	8.990800E-02	8.990800E-02	8.990800E-02	8.990800E-02	kg/mole	WPO37404	Y	N/A

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Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WFO #)	Data Entry Date	Is the 454 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		3216	TH227	Thorium 227	ATWEIGHT	Atomic Weight in kg/mole	36734	10-Apr-96	Y	3
Y		3216	TH227	Thorium 227	ATWEIGHT	Atomic Weight in kg/mole	36734	10-Apr-96	Y	3
Y		3217	TH228	Thorium 228	ATWEIGHT	Atomic Weight in kg/mole	36735	10-Apr-96	Y	3
Y		3217	TH228	Thorium 228	ATWEIGHT	Atomic Weight in kg/mole	36735	10-Apr-96	Y	3
Y		3218	TH231	Thorium 231	ATWEIGHT	Atomic Weight in kg/mole	36736	10-Apr-96	Y	3
Y		3218	TH231	Thorium 231	ATWEIGHT	Atomic Weight in kg/mole	36736	10-Apr-96	Y	3
Y		3219	TH234	Thorium 234	ATWEIGHT	Atomic Weight in kg/mole	36737	10-Apr-96	Y	3
Y		3219	TH234	Thorium 234	ATWEIGHT	Atomic Weight in kg/mole	36737	10-Apr-96	Y	3
Y		3220	AC225	Actinium 225	ATWEIGHT	Atomic Weight in kg/mole	36738	10-Apr-96	Y	3
Y		3220	AC225	Actinium 225	ATWEIGHT	Atomic Weight in kg/mole	36738	10-Apr-96	Y	3
Y		3221	AC227	Actinium 227	ATWEIGHT	Atomic Weight in kg/mole	36739	10-Apr-96	Y	3
Y		3221	AC227	Actinium 227	ATWEIGHT	Atomic Weight in kg/mole	36739	10-Apr-96	Y	3
Y		3222	AC228	Actinium 228	ATWEIGHT	Atomic Weight in kg/mole	36740	10-Apr-96	Y	3
Y		3222	AC228	Actinium 228	ATWEIGHT	Atomic Weight in kg/mole	36740	10-Apr-96	Y	3
Y	0.03	3223	AM243	Americium 243	ATWEIGHT	Atomic Weight in kg/mole	36741	10-Apr-96	Y	3
Y	0.03	3223	AM243	Americium 243	ATWEIGHT	Atomic Weight in kg/mole	36741	10-Apr-96	Y	3
Y		3224	AT217	Astatine 217	ATWEIGHT	Atomic Weight in kg/mole	36742	10-Apr-96	Y	3
Y		3224	AT217	Astatine 217	ATWEIGHT	Atomic Weight in kg/mole	36742	10-Apr-96	Y	3
Y		3225	BA137	Barium 137	ATWEIGHT	Atomic Weight in kg/mole	36743	10-Apr-96	Y	3
Y		3225	BA137	Barium 137	ATWEIGHT	Atomic Weight in kg/mole	36743	10-Apr-96	Y	3
Y		3226	BA137M	Barium 137 Metastable	ATWEIGHT	Atomic Weight in kg/mole	36744	10-Apr-96	Y	3
Y		3226	BA137M	Barium 137 Metastable	ATWEIGHT	Atomic Weight in kg/mole	36744	10-Apr-96	Y	3
Y		3227	BI211	Bismuth 211	ATWEIGHT	Atomic Weight in kg/mole	36745	10-Apr-96	Y	3
Y		3227	BI211	Bismuth 211	ATWEIGHT	Atomic Weight in kg/mole	36745	10-Apr-96	Y	3
Y		3228	BI212	Bismuth 212	ATWEIGHT	Atomic Weight in kg/mole	36748	10-Apr-96	Y	3
Y		3228	BI212	Bismuth 212	ATWEIGHT	Atomic Weight in kg/mole	36748	10-Apr-96	Y	3
Y		3229	BI213	Bismuth 213	ATWEIGHT	Atomic Weight in kg/mole	36749	10-Apr-96	Y	3
Y		3229	BI213	Bismuth 213	ATWEIGHT	Atomic Weight in kg/mole	36749	10-Apr-96	Y	3
Y		3230	BI214	Bismuth 214	ATWEIGHT	Atomic Weight in kg/mole	36750	10-Apr-96	Y	3
Y		3230	BI214	Bismuth 214	ATWEIGHT	Atomic Weight in kg/mole	36750	10-Apr-96	Y	3
Y	0.03	3231	CM243	Curium 243	ATWEIGHT	Atomic Weight in kg/mole	36751	10-Apr-96	Y	3
Y	0.03	3231	CM243	Curium 243	ATWEIGHT	Atomic Weight in kg/mole	36751	10-Apr-96	Y	3
Y	0.03	3232	CM245	Curium 245	ATWEIGHT	Atomic Weight in kg/mole	36752	10-Apr-96	Y	3
Y	0.03	3232	CM245	Curium 245	ATWEIGHT	Atomic Weight in kg/mole	36752	10-Apr-96	Y	3
Y	0.03	3233	CM248	Curium 248	ATWEIGHT	Atomic Weight in kg/mole	36754	10-Apr-96	Y	3
Y	0.03	3233	CM248	Curium 248	ATWEIGHT	Atomic Weight in kg/mole	36754	10-Apr-96	Y	3
Y		3234	FR221	Francium 221	ATWEIGHT	Atomic Weight in kg/mole	36755	10-Apr-96	Y	3
Y		3234	FR221	Francium 221	ATWEIGHT	Atomic Weight in kg/mole	36755	10-Apr-96	Y	3
Y		3235	ND143	Neodymium 143	ATWEIGHT	Atomic Weight in kg/mole	36757	10-Apr-96	Y	3
Y		3235	ND143	Neodymium 143	ATWEIGHT	Atomic Weight in kg/mole	36757	10-Apr-96	Y	3
Y		3236	NP239	Neptunium 239	ATWEIGHT	Atomic Weight in kg/mole	36758	10-Apr-96	Y	3
Y		3236	NP239	Neptunium 239	ATWEIGHT	Atomic Weight in kg/mole	36758	10-Apr-96	Y	3
Y		3237	PA233	Protactinium 233	ATWEIGHT	Atomic Weight in kg/mole	36759	10-Apr-96	Y	3
Y		3237	PA233	Protactinium 233	ATWEIGHT	Atomic Weight in kg/mole	36759	10-Apr-96	Y	3
Y		3238	ASPHALT	Asphalt column	DNSGRAIN	Material Grain Density	36760	12-Apr-96	Y	1
Y		3238	ASPHALT	Asphalt column	DNSGRAIN	Material Grain Density	36760	12-Apr-96	Y	1
Y		3239	BOREHOLE	Borehole and Fill	INV_AR	The area of the repository in the CUTTINGS model	37081	25-Apr-96	Y	4B
Y		3239	BOREHOLE	Borehole and Fill	INV_AR	The area of the repository in the CUTTINGS model	37081	25-Apr-96	Y	4B
Y		3239	BOREHOLE	Borehole and Fill	INV_AR	The area of the repository in the CUTTINGS model	37081	25-Apr-96	Y	4B
Y		3240	BOREHOLE	Borehole and Fill	ROUGH	Friction factor for very rough pipe in CUTTINGS model	37082	25-Apr-96	Y	3
Y		3240	BOREHOLE	Borehole and Fill	ROUGH	Friction factor for very rough pipe in CUTTINGS model	37082	25-Apr-96	Y	3

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to quality existing data? (footnote 3)
3216	4	CONSTANT	2.2702800E-01	2.2702800E-01	2.2702800E-01	2.2702800E-01	kg/mole	WPO36301	Y	N/A
3216	4	CONSTANT	2.2702800E-01	2.2702800E-01	2.2702800E-01	2.2702800E-01	kg/mole	WPO37404	Y	N/A
3217	4	CONSTANT	2.2802900E-01	2.2802900E-01	2.2802900E-01	2.2802900E-01	kg/mole	WPO36301	Y	N/A
3217	4	CONSTANT	2.2802900E-01	2.2802900E-01	2.2802900E-01	2.2802900E-01	kg/mole	WPO37404	Y	N/A
3218	4	CONSTANT	2.3103600E-01	2.3103600E-01	2.3103600E-01	2.3103600E-01	kg/mole	WPO36301	Y	N/A
3218	4	CONSTANT	2.3103600E-01	2.3103600E-01	2.3103600E-01	2.3103600E-01	kg/mole	WPO37404	Y	N/A
3219	4	CONSTANT	2.3404400E-01	2.3404400E-01	2.3404400E-01	2.3404400E-01	kg/mole	WPO36301	Y	N/A
3219	4	CONSTANT	2.3404400E-01	2.3404400E-01	2.3404400E-01	2.3404400E-01	kg/mole	WPO37404	Y	N/A
3220	4	CONSTANT	2.2502300E-01	2.2502300E-01	2.2502300E-01	2.2502300E-01	kg/mole	WPO36301	Y	N/A
3220	4	CONSTANT	2.2502300E-01	2.2502300E-01	2.2502300E-01	2.2502300E-01	kg/mole	WPO37404	Y	N/A
3221	4	CONSTANT	2.2702800E-01	2.2702800E-01	2.2702800E-01	2.2702800E-01	kg/mole	WPO36301	Y	N/A
3221	4	CONSTANT	2.2702800E-01	2.2702800E-01	2.2702800E-01	2.2702800E-01	kg/mole	WPO37404	Y	N/A
3222	4	CONSTANT	2.2803100E-01	2.2803100E-01	2.2803100E-01	2.2803100E-01	kg/mole	WPO36301	Y	N/A
3222	4	CONSTANT	2.2803100E-01	2.2803100E-01	2.2803100E-01	2.2803100E-01	kg/mole	WPO37404	Y	N/A
3223	4	CONSTANT	2.4306100E-01	2.4306100E-01	2.4306100E-01	2.4306100E-01	kg/mole	WPO36301	Y	N/A
3223	4	CONSTANT	2.4306100E-01	2.4306100E-01	2.4306100E-01	2.4306100E-01	kg/mole	WPO37404	Y	N/A
3224	4	CONSTANT	2.1700500E-01	2.1700500E-01	2.1700500E-01	2.1700500E-01	kg/mole	WPO36301	Y	N/A
3224	4	CONSTANT	2.1700500E-01	2.1700500E-01	2.1700500E-01	2.1700500E-01	kg/mole	WPO37404	Y	N/A
3225	4	CONSTANT	1.3690600E-01	1.3690600E-01	1.3690600E-01	1.3690600E-01	kg/mole	WPO36301	Y	N/A
3225	4	CONSTANT	1.3690600E-01	1.3690600E-01	1.3690600E-01	1.3690600E-01	kg/mole	WPO37404	Y	N/A
3226	4	CONSTANT	1.3690700E-01	1.3690700E-01	1.3690700E-01	1.3690700E-01	kg/mole	WPO36298	Y	N/A
3226	4	CONSTANT	1.3690700E-01	1.3690700E-01	1.3690700E-01	1.3690700E-01	kg/mole	WPO37404	Y	N/A
3227	4	CONSTANT	2.1098700E-01	2.1098700E-01	2.1098700E-01	2.1098700E-01	kg/mole	WPO36301	Y	N/A
3227	4	CONSTANT	2.1098700E-01	2.1098700E-01	2.1098700E-01	2.1098700E-01	kg/mole	WPO37404	Y	N/A
3228	4	CONSTANT	2.1199100E-01	2.1199100E-01	2.1199100E-01	2.1199100E-01	kg/mole	WPO36301	Y	N/A
3228	4	CONSTANT	2.1199100E-01	2.1199100E-01	2.1199100E-01	2.1199100E-01	kg/mole	WPO37404	Y	N/A
3229	4	CONSTANT	2.1299400E-01	2.1299400E-01	2.1299400E-01	2.1299400E-01	kg/mole	WPO36301	Y	N/A
3229	4	CONSTANT	2.1299400E-01	2.1299400E-01	2.1299400E-01	2.1299400E-01	kg/mole	WPO37404	Y	N/A
3230	4	CONSTANT	2.1399900E-01	2.1399900E-01	2.1399900E-01	2.1399900E-01	kg/mole	WPO36301	Y	N/A
3230	4	CONSTANT	2.1399900E-01	2.1399900E-01	2.1399900E-01	2.1399900E-01	kg/mole	WPO37404	Y	N/A
3231	4	CONSTANT	2.4306100E-01	2.4306100E-01	2.4306100E-01	2.4306100E-01	kg/mole	WPO36301	Y	N/A
3231	4	CONSTANT	2.4306100E-01	2.4306100E-01	2.4306100E-01	2.4306100E-01	kg/mole	WPO37404	Y	N/A
3232	4	CONSTANT	2.4506500E-01	2.4506500E-01	2.4506500E-01	2.4506500E-01	kg/mole	WPO36301	Y	N/A
3232	4	CONSTANT	2.4506500E-01	2.4506500E-01	2.4506500E-01	2.4506500E-01	kg/mole	WPO37404	Y	N/A
3233	4	CONSTANT	2.4807200E-01	2.4807200E-01	2.4807200E-01	2.4807200E-01	kg/mole	WPO36301	Y	N/A
3233	4	CONSTANT	2.4807200E-01	2.4807200E-01	2.4807200E-01	2.4807200E-01	kg/mole	WPO37404	Y	N/A
3234	4	CONSTANT	2.2101400E-01	2.2101400E-01	2.2101400E-01	2.2101400E-01	kg/mole	WPO36301	Y	N/A
3234	4	CONSTANT	2.2101400E-01	2.2101400E-01	2.2101400E-01	2.2101400E-01	kg/mole	WPO37404	Y	N/A
3235	4	CONSTANT	1.4291000E-01	1.4291000E-01	1.4291000E-01	1.4291000E-01	kg/mole	WPO36301	Y	N/A
3235	4	CONSTANT	1.4291000E-01	1.4291000E-01	1.4291000E-01	1.4291000E-01	kg/mole	WPO37404	Y	N/A
3236	4	CONSTANT	2.3905300E-01	2.3905300E-01	2.3905300E-01	2.3905300E-01	kg/mole	WPO36301	Y	N/A
3236	4	CONSTANT	2.3905300E-01	2.3905300E-01	2.3905300E-01	2.3905300E-01	kg/mole	WPO37404	Y	N/A
3237	4	CONSTANT	2.3304000E-01	2.3304000E-01	2.3304000E-01	2.3304000E-01	kg/mole	WPO36301	Y	N/A
3237	4	CONSTANT	2.3304000E-01	2.3304000E-01	2.3304000E-01	2.3304000E-01	kg/mole	WPO37404	Y	N/A
3238	1,3	CONSTANT	2.0222000E+03	2.0222000E+03	2.0222000E+03	2.0222000E+03	kg/m ³	WPO30640	Y	N/A
3238	1,3	CONSTANT	2.0222000E+03	2.0222000E+03	2.0222000E+03	2.0222000E+03	kg/m ³	WPO35854	Y	N/A
3239	1,3,4	CONSTANT	1.1152000E+05	1.1152000E+05	1.1152000E+05	1.1152000E+05	m ²	SAND91-0893/3	Y	N/A
3239	1,3,4	CONSTANT	1.1152000E+05	1.1152000E+05	1.1152000E+05	1.1152000E+05	m ²	WPO36766	Y	N/A
3239	1,3,4	CONSTANT	1.1152000E+05	1.1152000E+05	1.1152000E+05	1.1152000E+05	m ²	WPO40521	Y	N/A
3240	4	CONSTANT	8.0000000E-02	8.0000000E-02	8.0000000E-02	8.0000000E-02	NONE	STREETER-2	Y	N/A
3240	4	CONSTANT	8.0000000E-02	8.0000000E-02	8.0000000E-02	8.0000000E-02	NONE	WPO36301	Y	N/A

CCA Parameter-Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 464 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		3240	BOREHOLE	Borehole and Fill	ROUGH	Friction factor for very rough pipe in CUTTINGS model	37082	25-Apr-96	Y	3
Y		3240	BOREHOLE	Borehole and Fill	ROUGH	Friction factor for very rough pipe in CUTTINGS model	37082	25-Apr-96	Y	3
Y		3241	BOREHOLE	Borehole and Fill	PIPED	Drill pipe diameter in CUTTINGS model	37083	25-Apr-96	Y	4B
Y		3241	BOREHOLE	Borehole and Fill	PIPED	Drill pipe diameter in CUTTINGS model	37083	25-Apr-96	Y	4B
Y		3241	BOREHOLE	Borehole and Fill	PIPED	Drill pipe diameter in CUTTINGS model	37083	25-Apr-96	Y	4B
Y		3242	BOREHOLE	Borehole and Fill	COLDIA	Drill collar diameter in CUTTINGS model	37084	25-Apr-96	Y	4B
Y		3242	BOREHOLE	Borehole and Fill	COLDIA	Drill collar diameter in CUTTINGS model	37084	25-Apr-96	Y	4B
Y		3242	BOREHOLE	Borehole and Fill	COLDIA	Drill collar diameter in CUTTINGS model	37084	25-Apr-96	Y	4B
Y		3243	BOREHOLE	Borehole and Fill	L2	Drill pipe length when repository penetrated, CUTTINGS model	37085	25-Apr-96	Y	4B
Y		3243	BOREHOLE	Borehole and Fill	L2	Drill pipe length when repository penetrated, CUTTINGS model	37085	25-Apr-96	Y	4B
Y		3243	BOREHOLE	Borehole and Fill	L2	Drill pipe length when repository penetrated, CUTTINGS model	37085	25-Apr-96	Y	4B
Y		3244	BOREHOLE	Borehole and Fill	L1	Drill collar length in CUTTINGS model	37086	25-Apr-96	Y	4B
Y		3244	BOREHOLE	Borehole and Fill	L1	Drill collar length in CUTTINGS model	37086	25-Apr-96	Y	4B
Y		3244	BOREHOLE	Borehole and Fill	L1	Drill collar length in CUTTINGS model	37086	25-Apr-96	Y	4B
Y		3245	BLOWOUT	BRAGFLOW Direct Brine Releases	CEMENT	Waste Cementation Strength	37087	25-Apr-96	Y	4B
Y		3245	BLOWOUT	BRAGFLOW Direct Brine Releases	CEMENT	Waste Cementation Strength	37087	25-Apr-96	Y	4B
Y		3245	BLOWOUT	BRAGFLOW Direct Brine Releases	CEMENT	Waste Cementation Strength	37087	25-Apr-96	Y	4B
Y		3246	BLOWOUT	BRAGFLOW Direct Brine Releases	PARTDIA	Waste Particle Diameter in CUTTINGS Model	37088	03-May-96	Y	1
Y		3246	BLOWOUT	BRAGFLOW Direct Brine Releases	PARTDIA	Waste Particle Diameter in CUTTINGS Model	37088	03-May-96	Y	1
Y		3246	BLOWOUT	BRAGFLOW Direct Brine Releases	PARTDIA	Waste Particle Diameter in CUTTINGS Model	37088	03-May-96	Y	1
Y		3247	BLOWOUT	BRAGFLOW Direct Brine Releases	RHOS	Waste Particle Density in CUTTINGS \$ Model	37089	25-Apr-96	Y	4B
Y		3247	BLOWOUT	BRAGFLOW Direct Brine Releases	RHOS	Waste Particle Density in CUTTINGS \$ Model	37089	25-Apr-96	Y	4B
Y		3247	BLOWOUT	BRAGFLOW Direct Brine Releases	RHOS	Waste Particle Density in CUTTINGS \$ Model	37089	25-Apr-96	Y	4B
Y		3247	BLOWOUT	BRAGFLOW Direct Brine Releases	RHOS	Waste Particle Density in CUTTINGS \$ Model	37089	25-Apr-96	Y	4B
Y		3248	BLOWOUT	BRAGFLOW Direct Brine Releases	ROOM	Equivalent radius of one room in CUTTINGS model	37090	25-Apr-96	Y	4B
Y		3248	BLOWOUT	BRAGFLOW Direct Brine Releases	ROOM	Equivalent radius of one room in CUTTINGS model	37090	25-Apr-96	Y	4B
Y		3248	BLOWOUT	BRAGFLOW Direct Brine Releases	ROOM	Equivalent radius of one room in CUTTINGS model	37090	25-Apr-96	Y	4B
Y		3249	BLOWOUT	BRAGFLOW Direct Brine Releases	RPANEL	Equivalent radius of one panel in CUTTINGS model	37091	25-Apr-96	Y	4B
Y		3249	BLOWOUT	BRAGFLOW Direct Brine Releases	RPANEL	Equivalent radius of one panel in CUTTINGS model	37091	25-Apr-96	Y	4B
Y		3249	BLOWOUT	BRAGFLOW Direct Brine Releases	RPANEL	Equivalent radius of one panel in CUTTINGS model	37091	25-Apr-96	Y	4B
Y		3250	BLOWOUT	BRAGFLOW Direct Brine Releases	HREPO	Height of repository at burial time in CUTTINGS model	37092	25-Apr-96	Y	4B
Y		3250	BLOWOUT	BRAGFLOW Direct Brine Releases	HREPO	Height of repository at burial time in CUTTINGS model	37092	25-Apr-96	Y	4B
Y		3250	BLOWOUT	BRAGFLOW Direct Brine Releases	HREPO	Height of repository at burial time in CUTTINGS model	37092	25-Apr-96	Y	4B
Y		3251	BLOWOUT	BRAGFLOW Direct Brine Releases	PSUF	Surface atmospheric pressure at elevation 1039m in CUTTINGS model	37093	25-Apr-96	Y	4A

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
3240	4	CONSTANT	8.000000E-02	8.000000E-02	8.000000E-02	8.000000E-02	NONE	WPO36766	Y	N/A
3240	4	CONSTANT	8.000000E-02	8.000000E-02	8.000000E-02	8.000000E-02	NONE	WPO38455	Y	N/A
3241	1,3,4	CONSTANT	1.1430020E-01	1.1430020E-01	1.1430020E-01	1.1430020E-01	m	WPO26051	Y	N/A
3241	1,3,4	CONSTANT	1.1430020E-01	1.1430020E-01	1.1430020E-01	1.1430020E-01	m	WPO36766	Y	N/A
3241	1,3,4	CONSTANT	1.1430020E-01	1.1430020E-01	1.1430020E-01	1.1430020E-01	m	WPO40521	Y	N/A
3242	1,3,4	CONSTANT	2.0320040E-01	2.0320040E-01	2.0320040E-01	2.0320040E-01	m	WPO26051	Y	N/A
3242	1,3,4	CONSTANT	2.0320040E-01	2.0320040E-01	2.0320040E-01	2.0320040E-01	m	WPO36766	Y	N/A
3242	1,3,4	CONSTANT	2.0320040E-01	2.0320040E-01	2.0320040E-01	2.0320040E-01	m	WPO40521	Y	N/A
3243	1,3,4	CONSTANT	4.7212000E+02	4.7212000E+02	4.7212000E+02	4.7212000E+02	m	SAND91-0893/3	Y	N/A
3243	1,3,4	CONSTANT	4.7212000E+02	4.7212000E+02	4.7212000E+02	4.7212000E+02	m	WPO36766	Y	N/A
3243	1,3,4	CONSTANT	4.7212000E+02	4.7212000E+02	4.7212000E+02	4.7212000E+02	m	WPO40521	Y	N/A
3244	1,3,4	CONSTANT	1.8288000E+02	1.8288000E+02	1.8288000E+02	1.8288000E+02	m	WPO26051	Y	N/A
3244	1,3,4	CONSTANT	1.8288000E+02	1.8288000E+02	1.8288000E+02	1.8288000E+02	m	WPO36766	Y	N/A
3244	1,3,4	CONSTANT	1.8288000E+02	1.8288000E+02	1.8288000E+02	1.8288000E+02	m	WPO40521	Y	N/A
3245	3,4	CONSTANT	6.8950000E+03	6.8950000E+03	6.8950000E+03	6.8950000E+03	Pa	WPO35695	Y	N/A
3245	3,4	CONSTANT	6.8950000E+03	6.8950000E+03	6.8950000E+03	6.8950000E+03	Pa	WPO36723	Y	N/A
3245	3,4	CONSTANT	6.8950000E+03	6.8950000E+03	6.8950000E+03	6.8950000E+03	Pa	WPO40521	Y	N/A
3246	1	LOGUNIFORM	2.3500000E-02	2.8000000E-03	4.0000000E-05	2.0000000E-01	m	WPO35268	N	1
3246	1	LOGUNIFORM	2.3500000E-02	2.8000000E-03	4.0000000E-05	2.0000000E-01	m	WPO35695	N	1
3246	1	LOGUNIFORM	2.3500000E-02	2.8000000E-03	4.0000000E-05	2.0000000E-01	m	WPO36766	N	1
3247	3,4	CONSTANT	2.6500000E+03	2.6500000E+03	2.6500000E+03	2.6500000E+03	kg/m³	WPO35695	Y	N/A
3247	3,4	CONSTANT	2.6500000E+03	2.6500000E+03	2.6500000E+03	2.6500000E+03	kg/m³	WPO36766	Y	N/A
3247	3,4	CONSTANT	2.6500000E+03	2.6500000E+03	2.6500000E+03	2.6500000E+03	kg/m³	WPO40521	Y	N/A
3247	3,4	CONSTANT	2.6500000E+03	2.6500000E+03	2.6500000E+03	2.6500000E+03	kg/m³	WPO42263	Y	N/A
3248	1,3,4	CONSTANT	1.7100000E+01	1.7100000E+01	1.7100000E+01	1.7100000E+01	m	SAND91-0893/3	Y	N/A
3248	1,3,4	CONSTANT	1.7100000E+01	1.7100000E+01	1.7100000E+01	1.7100000E+01	m	WPO36766	Y	N/A
3248	1,3,4	CONSTANT	1.7100000E+01	1.7100000E+01	1.7100000E+01	1.7100000E+01	m	WPO40521	Y	N/A
3249	1,3,4	CONSTANT	6.0870000E+01	6.0870000E+01	6.0870000E+01	6.0870000E+01	m	SAND91-0893/3	Y	N/A
3249	1,3,4	CONSTANT	6.0870000E+01	6.0870000E+01	6.0870000E+01	6.0870000E+01	m	WPO36766	Y	N/A
3249	1,3,4	CONSTANT	6.0870000E+01	6.0870000E+01	6.0870000E+01	6.0870000E+01	m	WPO40521	Y	N/A
3250	1,3,4	CONSTANT	3.9600000E+00	3.9600000E+00	3.9600000E+00	3.9600000E+00	m	SAND91-0893/3	Y	N/A
3250	1,3,4	CONSTANT	3.9600000E+00	3.9600000E+00	3.9600000E+00	3.9600000E+00	m	WPO36766	Y	N/A
3250	1,3,4	CONSTANT	3.9600000E+00	3.9600000E+00	3.9600000E+00	3.9600000E+00	m	WPO40521	Y	N/A
3251	3,4,5	CONSTANT	8.9465000E+04	8.9465000E+04	8.9465000E+04	8.9465000E+04	Pa	FOX-1	Y	N/A

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 464 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		3251	BLOWOUT	BRAGFLOW Direct Brine Releases	PSUF	Surface atmospheric pressure at elevation 1039m in CUTTINGS model	37093	25-Apr-96	Y	4A
Y		3251	BLOWOUT	BRAGFLOW Direct Brine Releases	PSUF	Surface atmospheric pressure at elevation 1039m in CUTTINGS model	37093	25-Apr-96	Y	4A
Y		3252	BLOWOUT	BRAGFLOW Direct Brine Releases	VISC	Hydrogen Viscosity in CUTTINGS Model	37094	25-Apr-96	Y	3
Y		3252	BLOWOUT	BRAGFLOW Direct Brine Releases	VISC	Hydrogen Viscosity in CUTTINGS Model	37094	25-Apr-96	Y	3
Y		3252	BLOWOUT	BRAGFLOW Direct Brine Releases	VISC	Hydrogen Viscosity in CUTTINGS Model	37094	25-Apr-96	Y	3
Y		3253	BLOWOUT	BRAGFLOW Direct Brine Releases	RGAS	Gas Constant for Hydrogen	37095	25-Apr-96	Y	3
Y		3253	BLOWOUT	BRAGFLOW Direct Brine Releases	RGAS	Gas Constant for Hydrogen	37095	25-Apr-96	Y	3
Y		3254	BLOWOUT	BRAGFLOW Direct Brine Releases	KGAS	Ratio of specific heats for Hydrogen in CUTTINGS model	37096	25-Apr-96	Y	3
Y		3254	BLOWOUT	BRAGFLOW Direct Brine Releases	KGAS	Ratio of specific heats for Hydrogen in CUTTINGS model	37096	25-Apr-96	Y	3
Y		3254	BLOWOUT	BRAGFLOW Direct Brine Releases	KGAS	Ratio of specific heats for Hydrogen in CUTTINGS model	37096	25-Apr-96	Y	3
Y		3255	BLOWOUT	BRAGFLOW Direct Brine Releases	FSE	Stress effectiveness factor in CUTTINGS model	37097	25-Apr-96	Y	4B
Y		3255	BLOWOUT	BRAGFLOW Direct Brine Releases	FSE	Stress effectiveness factor in CUTTINGS model	37097	25-Apr-96	Y	4B
Y		3255	BLOWOUT	BRAGFLOW Direct Brine Releases	FSE	Stress effectiveness factor in CUTTINGS model	37097	25-Apr-96	Y	4B
Y		3255	BLOWOUT	BRAGFLOW Direct Brine Releases	FSE	Stress effectiveness factor in CUTTINGS model	37097	25-Apr-96	Y	4B
Y		3256	BLOWOUT	BRAGFLOW Direct Brine Releases	FGE	Gravity effectiveness factor in CUTTINGS model	37098	25-Apr-96	Y	4B
Y		3256	BLOWOUT	BRAGFLOW Direct Brine Releases	FGE	Gravity effectiveness factor in CUTTINGS model	37098	25-Apr-96	Y	4B
Y		3256	BLOWOUT	BRAGFLOW Direct Brine Releases	FGE	Gravity effectiveness factor in CUTTINGS model	37098	25-Apr-96	Y	4B
Y		3256	BLOWOUT	BRAGFLOW Direct Brine Releases	FGE	Gravity effectiveness factor in CUTTINGS model	37098	25-Apr-96	Y	4B
Y		3256	BLOWOUT	BRAGFLOW Direct Brine Releases	FGE	Gravity effectiveness factor in CUTTINGS model	37098	25-Apr-96	Y	4B
Y		3257	BLOWOUT	BRAGFLOW Direct Brine Releases	SUFTEN	Surface tension of brine in CUTTINGS model	37100	25-Apr-96	Y	3
Y		3257	BLOWOUT	BRAGFLOW Direct Brine Releases	SUFTEN	Surface tension of brine in CUTTINGS model	37100	25-Apr-96	Y	3
Y		3257	BLOWOUT	BRAGFLOW Direct Brine Releases	SUFTEN	Surface tension of brine in CUTTINGS model	37100	25-Apr-96	Y	3
Y		3257	BLOWOUT	BRAGFLOW Direct Brine Releases	SUFTEN	Surface tension of brine in CUTTINGS model	37100	25-Apr-96	Y	3
Y		3258	BLOWOUT	BRAGFLOW Direct Brine Releases	TREPO	Temperature of repository in CUTTINGS model	37101	25-Apr-96	-Y	4A
Y		3259	BLOWOUT	BRAGFLOW Direct Brine Releases	APORO	Waste permeability in CUTTINGS model	37102	25-Apr-96	Y	1
Y		3260	BLOWOUT	BRAGFLOW Direct Brine Releases	INPORO	Default value for initial repository porosity in CUTTINGS model	37103	25-Apr-96	Y	4B
Y		3260	BLOWOUT	BRAGFLOW Direct Brine Releases	INPORO	Default value for initial repository porosity in CUTTINGS model	37103	25-Apr-96	Y	4B
Y		3261	BOREHOLE	Borehole and Fill	RHW_AR	The total area of the remote-handled waste in the CUTTINGS model	37104	25-Apr-96	Y	4B
Y		3261	BOREHOLE	Borehole and Fill	RHW_AR	The total area of the remote-handled waste in the CUTTINGS model	37104	25-Apr-96	Y	4B
Y		3262	SOLAM3	Solubility Multiplier for Am+3	SOLSIM	Solubility Mult. in Salado Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	37105A	24-May-96	Y	1
Y		3262	SOLAM3	Solubility Multiplier for Am+3	SOLSIM	Solubility Mult. in Salado Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	37105A	24-May-96	Y	1

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to quality existing data? (footnote 3)
3251	3,4,5	CONSTANT	8.9465000E+04	8.9465000E+04	8.9465000E+04	8.9465000E+04	Pa	SAND91-0893/3	Y	N/A
3251	3,4,5	CONSTANT	8.9465000E+04	8.9465000E+04	8.9465000E+04	8.9465000E+04	Pa	WPO36766	Y	N/A
3252	4	CONSTANT	9.2000000E-06	9.2000000E-06	9.2000000E-06	9.2000000E-06	Pa*s	SAND92-0700/3	Y	N/A
3252	4	CONSTANT	9.2000000E-06	9.2000000E-06	9.2000000E-06	9.2000000E-06	Pa*s	WPO36301	Y	N/A
3252	4	CONSTANT	9.2000000E-06	9.2000000E-06	9.2000000E-06	9.2000000E-06	Pa*s	WPO36766	Y	N/A
3253	4	CONSTANT	4.1160000E+03	4.1160000E+03	4.1160000E+03	4.1160000E+03	m/kg/degK	OBERT-1	Y	N/A
3253	4	CONSTANT	4.1160000E+03	4.1160000E+03	4.1160000E+03	4.1160000E+03	m/kg/degK	WPO36766	Y	N/A
3254	4	CONSTANT	1.4100000E+00	1.4100000E+00	1.4100000E+00	1.4100000E+00	NONE	OBERT-1	Y	N/A
3254	4	CONSTANT	1.4100000E+00	1.4100000E+00	1.4100000E+00	1.4100000E+00	NONE	WPO36301	Y	N/A
3254	4	CONSTANT	1.4100000E+00	1.4100000E+00	1.4100000E+00	1.4100000E+00	NONE	WPO36766	Y	N/A
3255	1,3	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0.0000000E+00	NONE	WPO35695	Y	N/A
3255	1,3	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0.0000000E+00	NONE	WPO36766	Y	N/A
3255	1,3	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0.0000000E+00	NONE	WPO40521	Y	N/A
3255	1,3	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0.0000000E+00	NONE	WPO42263	Y	N/A
3256	1,3	CONSTANT	1.8100000E+01	1.8100000E+01	1.8100000E+01	1.8100000E+01	NONE	WPO35695	Y	N/A
3256	1,3	CONSTANT	1.8100000E+01	1.8100000E+01	1.8100000E+01	1.8100000E+01	NONE	WPO36723	Y	N/A
3256	1,3	CONSTANT	1.8100000E+01	1.8100000E+01	1.8100000E+01	1.8100000E+01	NONE	WPO36766	Y	N/A
3256	1,3	CONSTANT	1.8100000E+01	1.8100000E+01	1.8100000E+01	1.8100000E+01	NONE	WPO40521	Y	N/A
3256	1,3	CONSTANT	1.8100000E+01	1.8100000E+01	1.8100000E+01	1.8100000E+01	NONE	WPO42263	Y	N/A
3257	4	CONSTANT	8.0000000E-02	8.0000000E-02	8.0000000E-02	8.0000000E-02	N/m	CRC-49	Y	N/A
3257	4	CONSTANT	8.0000000E-02	8.0000000E-02	8.0000000E-02	8.0000000E-02	N/m	WPO36301	Y	N/A
3257	4	CONSTANT	8.0000000E-02	8.0000000E-02	8.0000000E-02	8.0000000E-02	N/m	WPO36766	Y	N/A
3257	4	CONSTANT	8.0000000E-02	8.0000000E-02	8.0000000E-02	8.0000000E-02	N/m	WPO38455	Y	N/A
3258	1,3,5	CONSTANT	3.0000000E+02	3.0000000E+02	3.0000000E+02	3.0000000E+02	K	WPO36766	-Y	N/A
3259	1	CONSTANT	1.7000000E-13	1.7000000E-13	1.7000000E-13	1.7000000E-13	m^2	WPO30921	N	1
3260	1,3	CONSTANT	8.4900000E-01	8.4900000E-01	8.4900000E-01	8.4900000E-01	NONE	WPO36766	Y	N/A
3260	1,3	CONSTANT	8.4900000E-01	8.4900000E-01	8.4900000E-01	8.4900000E-01	NONE	WPO40521	Y	N/A
3261	1,3,4	CONSTANT	1.5760000E+04	1.5760000E+04	1.5760000E+04	1.5760000E+04	m^2	WPO34618	Y	N/A
3261	1,3,4	CONSTANT	1.5760000E+04	1.5760000E+04	1.5760000E+04	1.5760000E+04	m^2	WPO40521	Y	N/A
3262	1,3	CUMULATIVE	1.8000000E-01	-9.0000000E-02	-2.0000000E+00	1.4000000E+00	NONE	WPO35268	Y	1
3262	1,3	CUMULATIVE	1.8000000E-01	-9.0000000E-02	-2.0000000E+00	1.4000000E+00	NONE	WPO35835	Y	1

CCA-Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 454 constant with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		3262	SOLAM3	Solubility Multiplier for Am+3	SOLSIM	Solubility Mult. in Salado Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	37105A	24-May-96	Y	1
Y		3262	SOLAM3	Solubility Multiplier for Am+3	SOLSIM	Solubility Mult. in Salado Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	37105A	24-May-96	Y	1
Y		3262	SOLAM3	Solubility Multiplier for Am+3	SOLSIM	Solubility Mult. in Salado Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	37105A	24-May-96	Y	1
Y		3263	SOLAM3	Solubility Multiplier for Am+3	SOLCIM	Solubility Mult. in Castile Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	37106A	24-May-96	Y	1
Y		3263	SOLAM3	Solubility Multiplier for Am+3	SOLCIM	Solubility Mult. in Castile Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	37106A	24-May-96	Y	1
Y		3263	SOLAM3	Solubility Multiplier for Am+3	SOLCIM	Solubility Mult. in Castile Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	37106A	24-May-96	Y	1
Y		3263	SOLAM3	Solubility Multiplier for Am+3	SOLCIM	Solubility Mult. in Castile Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	37106A	24-May-96	Y	1
Y		3263	SOLAM3	Solubility Multiplier for Am+3	SOLCIM	Solubility Mult. in Castile Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	37106A	24-May-96	Y	1
Y		3264	SOLPU3	Solubility Multiplier for Pu+3	SOLCIM	Solubility Mult. in Castile Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	37108A	24-May-96	Y	1
Y		3264	SOLPU3	Solubility Multiplier for Pu+3	SOLCIM	Solubility Mult. in Castile Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	37108A	24-May-96	Y	1
Y		3264	SOLPU3	Solubility Multiplier for Pu+3	SOLCIM	Solubility Mult. in Castile Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	37108A	24-May-96	Y	1
Y		3264	SOLPU3	Solubility Multiplier for Pu+3	SOLCIM	Solubility Mult. in Castile Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	37108A	24-May-96	Y	1
Y		3264	SOLPU3	Solubility Multiplier for Pu+3	SOLCIM	Solubility Mult. in Castile Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	37108A	24-May-96	Y	1
Y		3265	SOLPU3	Solubility Multiplier for Pu+3	SOLSIM	Solubility Mult. in Salado Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	37109A	24-May-96	Y	1
Y		3265	SOLPU3	Solubility Multiplier for Pu+3	SOLSIM	Solubility Mult. in Salado Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	37109A	24-May-96	Y	1
Y		3265	SOLPU3	Solubility Multiplier for Pu+3	SOLSIM	Solubility Mult. in Salado Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	37109A	24-May-96	Y	1
Y		3265	SOLPU3	Solubility Multiplier for Pu+3	SOLSIM	Solubility Mult. in Salado Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	37109A	24-May-96	Y	1
Y		3266	SOLPU4	Solubility Multiplier for Pu+4	SOLSIM	Solubility Mult. in Salado Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	37110A	24-May-96	Y	1

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to quality existing data? (footnote 3)
3262	1,3	CUMULATIVE	1.800000E-01	-9.000000E-02	-2.000000E+00	1.400000E+00	NONE	WPO37536	Y	1
3262	1,3	CUMULATIVE	1.800000E-01	-9.000000E-02	-2.000000E+00	1.400000E+00	NONE	WPO37545	Y	1
3262	1,3	CUMULATIVE	1.800000E-01	-9.000000E-02	-2.000000E+00	1.400000E+00	NONE	WPO40512	Y	1
3263	1,3	CUMULATIVE	1.800000E-01	-9.000000E-02	-2.000000E+00	1.400000E+00	NONE	WPO35268	Y	1
3263	1,3	CUMULATIVE	1.800000E-01	-9.000000E-02	-2.000000E+00	1.400000E+00	NONE	WPO35835	Y	1
3263	1,3	CUMULATIVE	1.800000E-01	-9.000000E-02	-2.000000E+00	1.400000E+00	NONE	WPO37536	Y	1
3263	1,3	CUMULATIVE	1.800000E-01	-9.000000E-02	-2.000000E+00	1.400000E+00	NONE	WPO37545	Y	1
3263	1,3	CUMULATIVE	1.800000E-01	-9.000000E-02	-2.000000E+00	1.400000E+00	NONE	WPO40512	Y	1
3264	1,3	CUMULATIVE	1.800000E-01	-9.000000E-02	-2.000000E+00	1.400000E+00	NONE	WPO35268	Y	1
3264	1,3	CUMULATIVE	1.800000E-01	-9.000000E-02	-2.000000E+00	1.400000E+00	NONE	WPO35835	Y	1
3264	1,3	CUMULATIVE	1.800000E-01	-9.000000E-02	-2.000000E+00	1.400000E+00	NONE	WPO37536	Y	1
3264	1,3	CUMULATIVE	1.800000E-01	-9.000000E-02	-2.000000E+00	1.400000E+00	NONE	WPO37545	Y	1
3264	1,3	CUMULATIVE	1.800000E-01	-9.000000E-02	-2.000000E+00	1.400000E+00	NONE	WPO40512	Y	1
3265	1,3	CUMULATIVE	1.800000E-01	-9.000000E-02	-2.000000E+00	1.400000E+00	NONE	WPO35268	Y	1
3265	1,3	CUMULATIVE	1.800000E-01	-9.000000E-02	-2.000000E+00	1.400000E+00	NONE	WPO35835	Y	1
3265	1,3	CUMULATIVE	1.800000E-01	-9.000000E-02	-2.000000E+00	1.400000E+00	NONE	WPO37536	Y	1
3265	1,3	CUMULATIVE	1.800000E-01	-9.000000E-02	-2.000000E+00	1.400000E+00	NONE	WPO40512	Y	1
3266	1,3	CUMULATIVE	1.800000E-01	-9.000000E-02	-2.000000E+00	1.400000E+00	NONE	WPO35268	Y	1

CCA Parameter-Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WFO #)	Data Entry Date	Is the 454 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		3266	SOLPU4	Solubility Multiplier for Pu+4	SOLSIM	Solubility Mult. in Salado Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	37110A	24-May-96	Y	1
Y		3266	SOLPU4	Solubility Multiplier for Pu+4	SOLSIM	Solubility Mult. in Salado Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	37110A	24-May-96	Y	1
Y		3266	SOLPU4	Solubility Multiplier for Pu+4	SOLSIM	Solubility Mult. in Salado Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	37110A	24-May-96	Y	1
Y		3266	SOLPU4	Solubility Multiplier for Pu+4	SOLSIM	Solubility Mult. in Salado Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	37110A	24-May-96	Y	1
Y		3267	AC225	Actinium 225	HALFLIFE	Half-life	36795	16-Apr-96	Y	3
Y		3267	AC225	Actinium 225	HALFLIFE	Half-life	36795	16-Apr-96	Y	3
Y		3268	AC227	Actinium 227	HALFLIFE	Half-life	36796	16-Apr-96	Y	3
Y		3268	AC227	Actinium 227	HALFLIFE	Half-life	36796	16-Apr-96	Y	3
Y		3269	AC228	Actinium 228	HALFLIFE	Half-life	36797	16-Apr-96	Y	3
Y		3269	AC228	Actinium 228	HALFLIFE	Half-life	36797	16-Apr-96	Y	3
Y		3270	AT217	Astatine 217	HALFLIFE	Half-life	36799	16-Apr-96	Y	3
Y		3270	AT217	Astatine 217	HALFLIFE	Half-life	36799	16-Apr-96	Y	3
Y		3271	BA137	Barium 137	HALFLIFE	Half-life	36800	16-Apr-96	Y	3
Y		3271	BA137	Barium 137	HALFLIFE	Half-life	36800	16-Apr-96	Y	3
Y		3272	BA137M	Barium 137 Metastable	HALFLIFE	Half-life	36801	16-Apr-96	Y	3
Y		3272	BA137M	Barium 137 Metastable	HALFLIFE	Half-life	36801	16-Apr-96	Y	3
Y		3273	BI211	Bismuth 211	HALFLIFE	Half-life	36803	16-Apr-96	Y	3
Y		3273	BI211	Bismuth 211	HALFLIFE	Half-life	36803	16-Apr-96	Y	3
Y		3274	BI212	Bismuth 212	HALFLIFE	Half-life	36804	16-Apr-96	Y	3
Y		3274	BI212	Bismuth 212	HALFLIFE	Half-life	36804	16-Apr-96	Y	3
Y		3275	BI213	Bismuth 213	HALFLIFE	Half-life	36806	16-Apr-96	Y	3
Y		3275	BI213	Bismuth 213	HALFLIFE	Half-life	36806	16-Apr-96	Y	3
Y		3276	BI214	Bismuth 214	HALFLIFE	Half-life	36807	16-Apr-96	Y	3
Y		3276	BI214	Bismuth 214	HALFLIFE	Half-life	36807	16-Apr-96	Y	3
Y	100	3277	CM243	Curium 243	HALFLIFE	Half-life	36809	16-Apr-96	Y	3
Y	100	3277	CM243	Curium 243	HALFLIFE	Half-life	36809	16-Apr-96	Y	3
Y	100	3278	CM245	Curium 245	HALFLIFE	Half-life	36811	16-Apr-96	Y	3
Y	100	3278	CM245	Curium 245	HALFLIFE	Half-life	36811	16-Apr-96	Y	3
Y		3279	FR221	Francium 221	HALFLIFE	Half-life	36812	16-Apr-96	Y	3
Y		3280	ND143	Neodymium 143	HALFLIFE	Half-life	36813	16-Apr-96	Y	3
Y		3281	NP239	Neptunium 239	HALFLIFE	Half-life	36815	16-Apr-96	Y	3
Y		3282	PA233	Protactinium 233	HALFLIFE	Half-life	36828	16-Apr-96	Y	3
Y		3283	PA234M	Protactinium 234 Metastable	HALFLIFE	Half-life	36829	16-Apr-96	Y	3
Y		3284	PB209	Lead 209	HALFLIFE	Half-life	36830	16-Apr-96	Y	3
Y		3285	PB211	Lead 211	HALFLIFE	Half-life	36831	16-Apr-96	Y	3
Y		3286	PB212	Lead 212	HALFLIFE	Half-life	36832	16-Apr-96	Y	3
Y		3287	PB214	Lead 214	HALFLIFE	Half-life	36833	16-Apr-96	Y	3
Y		3288	PO212	Polonium 212	HALFLIFE	Half-life	36834	16-Apr-96	Y	3
Y		3289	PO213	Polonium 213	HALFLIFE	Half-life	36835	16-Apr-96	Y	3
Y		3290	PO214	Polonium 214	HALFLIFE	Half-life	36836	16-Apr-96	Y	3
Y		3291	PO215	Polonium 215	HALFLIFE	Half-life	36837	16-Apr-96	Y	3
Y		3292	PO216	Polonium 216	HALFLIFE	Half-life	36838	16-Apr-96	Y	3
Y		3293	PO218	Polonium 218	HALFLIFE	Half-life	36839	16-Apr-96	Y	3
Y		3294	RA223	Radium 223	HALFLIFE	Half-life	36840	16-Apr-96	Y	3
Y		3295	RA224	Radium 224	HALFLIFE	Half-life	36841	16-Apr-96	Y	3

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
3266	1,3	CUMULATIVE	1.800000E-01	-9.000000E-02	-2.000000E+00	1.400000E+00	NONE	WPO35835	Y	1
3266	1,3	CUMULATIVE	1.800000E-01	-9.000000E-02	-2.000000E+00	1.400000E+00	NONE	WPO37536	Y	1
3266	1,3	CUMULATIVE	1.800000E-01	-9.000000E-02	-2.000000E+00	1.400000E+00	NONE	WPO37545	Y	1
3266	1,3	CUMULATIVE	1.800000E-01	-9.000000E-02	-2.000000E+00	1.400000E+00	NONE	WPO40512	Y	1
3267	4	CONSTANT	8.640000E+05	8.640000E+05	8.640000E+05	8.640000E+05	s	WPO36301	Y	N/A
3267	4	CONSTANT	8.640000E+05	8.640000E+05	8.640000E+05	8.640000E+05	s	WPO37404	Y	N/A
3268	4	CONSTANT	6.871000E+08	6.871000E+08	6.871000E+08	6.871000E+08	s	WPO36301	Y	N/A
3268	4	CONSTANT	6.871000E+08	6.871000E+08	6.871000E+08	6.871000E+08	s	WPO37404	Y	N/A
3269	4	CONSTANT	2.207000E+04	2.207000E+04	2.207000E+04	2.207000E+04	s	WPO36298	Y	N/A
3269	4	CONSTANT	2.207000E+04	2.207000E+04	2.207000E+04	2.207000E+04	s	WPO37404	Y	N/A
3270	4	CONSTANT	3.230000E-02	3.230000E-02	3.230000E-02	3.230000E-02	s	WPO36298	Y	N/A
3270	4	CONSTANT	3.230000E-02	3.230000E-02	3.230000E-02	3.230000E-02	s	WPO37404	Y	N/A
3271	4	CONSTANT	1.000000E+38	1.000000E+38	1.000000E+38	1.000000E+38	s	WPO36298	Y	N/A
3271	4	CONSTANT	1.000000E+38	1.000000E+38	1.000000E+38	1.000000E+38	s	WPO37404	Y	N/A
3272	4	CONSTANT	1.531000E+02	1.531000E+02	1.531000E+02	1.531000E+02	s	WPO36298	Y	N/A
3272	4	CONSTANT	1.531000E+02	1.531000E+02	1.531000E+02	1.531000E+02	s	WPO37404	Y	N/A
3273	4	CONSTANT	1.278000E+02	1.278000E+02	1.278000E+02	1.278000E+02	s	WPO36298	Y	N/A
3273	4	CONSTANT	1.278000E+02	1.278000E+02	1.278000E+02	1.278000E+02	s	WPO37404	Y	N/A
3274	4	CONSTANT	3.633000E+03	3.633000E+03	3.633000E+03	3.633000E+03	s	WPO36298	Y	N/A
3274	4	CONSTANT	3.633000E+03	3.633000E+03	3.633000E+03	3.633000E+03	s	WPO37404	Y	N/A
3275	4	CONSTANT	2.739000E+03	2.739000E+03	2.739000E+03	2.739000E+03	s	WPO36298	Y	N/A
3275	4	CONSTANT	2.739000E+03	2.739000E+03	2.739000E+03	2.739000E+03	s	WPO37404	Y	N/A
3276	4	CONSTANT	1.194000E+03	1.194000E+03	1.194000E+03	1.194000E+03	s	WPO36301	Y	N/A
3276	4	CONSTANT	1.194000E+03	1.194000E+03	1.194000E+03	1.194000E+03	s	WPO37404	Y	N/A
3277	4	CONSTANT	8.994000E+08	8.994000E+08	8.994000E+08	8.994000E+08	s	WPO37404	Y	N/A
3277	4	CONSTANT	8.994000E+08	8.994000E+08	8.994000E+08	8.994000E+08	s	WPO40434	Y	N/A
3278	4	CONSTANT	2.682000E+11	2.682000E+11	2.682000E+11	2.682000E+11	s	WPO37404	Y	N/A
3278	4	CONSTANT	2.682000E+11	2.682000E+11	2.682000E+11	2.682000E+11	s	WPO40434	Y	N/A
3279	4	CONSTANT	2.880000E+02	2.880000E+02	2.880000E+02	2.880000E+02	s	WPO37404	Y	N/A
3280	4	CONSTANT	1.000000E+38	1.000000E+38	1.000000E+38	1.000000E+38	s	WPO37404	Y	N/A
3281	4	CONSTANT	2.035000E+05	2.035000E+05	2.035000E+05	2.035000E+05	s	WPO37404	Y	N/A
3282	4	CONSTANT	2.333000E+06	2.333000E+06	2.333000E+06	2.333000E+06	s	WPO37404	Y	N/A
3283	4	CONSTANT	7.020000E+01	7.020000E+01	7.020000E+01	7.020000E+01	s	WPO37404	Y	N/A
3284	4	CONSTANT	1.188000E+04	1.188000E+04	1.188000E+04	1.188000E+04	s	WPO37404	Y	N/A
3285	4	CONSTANT	2.166000E+03	2.166000E+03	2.166000E+03	2.166000E+03	s	WPO37404	Y	N/A
3286	4	CONSTANT	3.830000E+04	3.830000E+04	3.830000E+04	3.830000E+04	s	WPO37404	Y	N/A
3287	4	CONSTANT	1.608000E+03	1.608000E+03	1.608000E+03	1.608000E+03	s	WPO37404	Y	N/A
3288	4	CONSTANT	3.000000E-07	3.000000E-07	3.000000E-07	3.000000E-07	s	WPO37404	Y	N/A
3289	4	CONSTANT	4.200000E-06	4.200000E-06	4.200000E-06	4.200000E-06	s	WPO37404	Y	N/A
3290	4	CONSTANT	1.643000E-04	1.643000E-04	1.643000E-04	1.643000E-04	s	WPO37404	Y	N/A
3291	4	CONSTANT	1.780000E-03	1.780000E-03	1.780000E-03	1.780000E-03	s	WPO37404	Y	N/A
3292	4	CONSTANT	1.500000E-01	1.500000E-01	1.500000E-01	1.500000E-01	s	WPO37404	Y	N/A
3293	4	CONSTANT	1.830000E+02	1.830000E+02	1.830000E+02	1.830000E+02	s	WPO37404	Y	N/A
3294	4	CONSTANT	9.879000E+05	9.879000E+05	9.879000E+05	9.879000E+05	s	WPO37404	Y	N/A
3295	4	CONSTANT	3.162000E+05	3.162000E+05	3.162000E+05	3.162000E+05	s	WPO37404	Y	N/A

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 444 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		3296	RA225	Radium 225	HALFLIFE	Half-life	36842	16-Apr-96	Y	3
Y		3297	RN219	Radon 219	HALFLIFE	Half-life	36843	16-Apr-96	Y	3
Y		3298	RN220	Radon 220	HALFLIFE	Half-life	36844	16-Apr-96	Y	3
Y		3299	RN222	Radon 222	HALFLIFE	Half-life	36845	16-Apr-96	Y	3
Y		3300	TH227	Thorium 227	HALFLIFE	Half-life	36846	16-Apr-96	Y	3
Y		3301	TH228	Thorium 228	HALFLIFE	Half-life	36847	16-Apr-96	Y	3
Y		3302	TH231	Thorium 231	HALFLIFE	Half-life	36848	16-Apr-96	Y	3
Y		3303	TH234	Thorium 234	HALFLIFE	Half-life	36849	16-Apr-96	Y	3
Y		3304	TL207	Thallium 207	HALFLIFE	Half-life	36850	16-Apr-96	Y	3
Y		3305	Y90	Yttrium 90	HALFLIFE	Half-life	36851	16-Apr-96	Y	3
Y		3306	ZR90	Zirconium 90	HALFLIFE	Half-life	36852	16-Apr-96	Y	3
Y		3307	U	Uranium	CONCINT	Actinide Concentration with Mobile Actinide Intrinsic Colloids	36854	16-Apr-96	Y	1
Y		3307	U	Uranium	CONCINT	Actinide Concentration with Mobile Actinide Intrinsic Colloids	36854	16-Apr-96	Y	1
Y		3308	U	Uranium	CAPMIC	Maximum Concentration of Actinide on Microbe Colloids	36855	16-Apr-96	Y	1
Y		3308	U	Uranium	CAPMIC	Maximum Concentration of Actinide on Microbe Colloids	36855	16-Apr-96	Y	1
Y		3309	U	Uranium	PROPMIC	Moles of Actinide Mobilized on Microbe Colloids per Moles Dissolved	36856	24-May-96	Y	1
Y		3309	U	Uranium	PROPMIC	Moles of Actinide Mobilized on Microbe Colloids per Moles Dissolved	36856	24-May-96	Y	1
Y		3309	U	Uranium	PROPMIC	Moles of Actinide Mobilized on Microbe Colloids per Moles Dissolved	36856	24-May-96	Y	1
Y		3310	AM	Americium	CONCINT	Actinide Concentration with Mobile Actinide Intrinsic Colloids	36857	16-Apr-96	Y	1
Y		3310	AM	Americium	CONCINT	Actinide Concentration with Mobile Actinide Intrinsic Colloids	36857	16-Apr-96	Y	1
Y		3311	AM	Americium	PROPMIC	Moles of Actinide Mobilized on Microbe Colloids per Moles Dissolved	36858	16-Apr-96	Y	1
Y		3311	AM	Americium	PROPMIC	Moles of Actinide Mobilized on Microbe Colloids per Moles Dissolved	36858	16-Apr-96	Y	1
Y		3312	NP	Neptunium	CONCINT	Actinide Concentration with Mobile Actinide Intrinsic Colloids	36859	16-Apr-96	Y	1
Y		3312	NP	Neptunium	CONCINT	Actinide Concentration with Mobile Actinide Intrinsic Colloids	36859	16-Apr-96	Y	1
Y		3313	NP	Neptunium	CAPMIC	Maximum Concentration of Actinide on Microbe Colloids	36860	16-Apr-96	Y	1
Y		3313	NP	Neptunium	CAPMIC	Maximum Concentration of Actinide on Microbe Colloids	36860	16-Apr-96	Y	1
Y		3314	NP	Neptunium	PROPMIC	Moles of Actinide Mobilized on Microbe Colloids per Moles Dissolved	36861	16-Apr-96	Y	1
Y		3314	NP	Neptunium	PROPMIC	Moles of Actinide Mobilized on Microbe Colloids per Moles Dissolved	36861	16-Apr-96	Y	1
Y		3315	PU	Plutonium	CAPMIC	Maximum Concentration of Actinide on Microbe Colloids	36862	16-Apr-96	Y	1
Y		3315	PU	Plutonium	CAPMIC	Maximum Concentration of Actinide on Microbe Colloids	36862	16-Apr-96	Y	1
Y		3316	PU	Plutonium	CONCINT	Actinide Concentration with Mobile Actinide Intrinsic Colloids	36863	16-Apr-96	Y	1
Y		3316	PU	Plutonium	CONCINT	Actinide Concentration with Mobile Actinide Intrinsic Colloids	36863	16-Apr-96	Y	1

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to quality existing data? (footnote 3)
3296	4	CONSTANT	1.2790000E+06	1.2790000E+06	1.2790000E+06	1.2790000E+06	s	WPO37404	Y	N/A
3297	4	CONSTANT	3.9600000E+00	3.9600000E+00	3.9600000E+00	3.9600000E+00	s	WPO37404	Y	N/A
3298	4	CONSTANT	5.5600000E+01	5.5600000E+01	5.5600000E+01	5.5600000E+01	s	WPO37404	Y	N/A
3299	4	CONSTANT	3.3040000E+05	3.3040000E+05	3.3040000E+05	3.3040000E+05	s	WPO37404	Y	N/A
3300	4	CONSTANT	1.6170000E+06	1.6170000E+06	1.6170000E+06	1.6170000E+06	s	WPO37404	Y	N/A
3301	4	CONSTANT	6.0370000E+07	6.0370000E+07	6.0370000E+07	6.0370000E+07	s	WPO37404	Y	N/A
3302	4	CONSTANT	9.1870000E+04	9.1870000E+04	9.1870000E+04	9.1870000E+04	s	WPO37404	Y	N/A
3303	4	CONSTANT	2.0820000E+06	2.0820000E+06	2.0820000E+06	2.0820000E+06	s	WPO37404	Y	N/A
3304	4	CONSTANT	2.8620000E+02	2.8620000E+02	2.8620000E+02	2.8620000E+02	s	WPO37404	Y	N/A
3305	4	CONSTANT	2.3040000E+05	2.3040000E+05	2.3040000E+05	2.3040000E+05	s	WPO37404	Y	N/A
3306	4	CONSTANT	1.0000000E+38	1.0000000E+38	1.0000000E+38	1.0000000E+38	s	WPO37404	Y	N/A
3307	4	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0.0000000E+00	moles/liter	WPO35852	Y	N/A
3307	4	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0.0000000E+00	moles/liter	WPO36771	Y	N/A
3308	1	CONSTANT	2.1000000E-03	2.1000000E-03	2.1000000E-03	2.1000000E-03	moles/liter	WPO35856	Y	N/A
3308	1	CONSTANT	2.1000000E-03	2.1000000E-03	2.1000000E-03	2.1000000E-03	moles/liter	WPO36771	Y	N/A
3309	1	CONSTANT	2.1000000E-03	2.1000000E-03	2.1000000E-03	2.1000000E-03	NONE	WPO35856	Y	N/A
3309	1	CONSTANT	2.1000000E-03	2.1000000E-03	2.1000000E-03	2.1000000E-03	NONE	WPO36771	Y	N/A
3309	1	CONSTANT	2.1000000E-03	2.1000000E-03	2.1000000E-03	2.1000000E-03	NONE	WPO37804	Y	N/A
3310	4	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0.0000000E+00	moles/liter	WPO35852	Y	N/A
3310	4	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0.0000000E+00	moles/liter	WPO36771	Y	N/A
3311	1	CONSTANT	3.6000000E+00	3.6000000E+00	3.6000000E+00	3.6000000E+00	NONE	WPO35856	Y	N/A
3311	1	CONSTANT	3.6000000E+00	3.6000000E+00	3.6000000E+00	3.6000000E+00	NONE	WPO36771	Y	N/A
3312	4	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0.0000000E+00	moles/liter	WPO35852	Y	N/A
3312	4	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0.0000000E+00	moles/liter	WPO36771	Y	N/A
3313	1	CONSTANT	2.7000000E-03	2.7000000E-03	2.7000000E-03	2.7000000E-03	moles/liter	WPO35856	Y	N/A
3313	1	CONSTANT	2.7000000E-03	2.7000000E-03	2.7000000E-03	2.7000000E-03	moles/liter	WPO36771	Y	N/A
3314	1	CONSTANT	1.2000000E+01	1.2000000E+01	1.2000000E+01	1.2000000E+01	NONE	WPO35856	Y	N/A
3314	1	CONSTANT	1.2000000E+01	1.2000000E+01	1.2000000E+01	1.2000000E+01	NONE	WPO36771	Y	N/A
3315	1	CONSTANT	6.8000000E-05	6.8000000E-05	6.8000000E-05	6.8000000E-05	moles/liter	WPO35856	Y	N/A
3315	1	CONSTANT	6.8000000E-05	6.8000000E-05	6.8000000E-05	6.8000000E-05	moles/liter	WPO36771	Y	N/A
3316	1	CONSTANT	1.0000000E-09	1.0000000E-09	1.0000000E-09	1.0000000E-09	moles/liter	WPO35852	Y	N/A
3316	1	CONSTANT	1.0000000E-09	1.0000000E-09	1.0000000E-09	1.0000000E-09	moles/liter	WPO36771	Y	N/A

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 464 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		3317	PU	Plutonium	PROPMIC	Moles of Actinide Mobilized on Microbe Colloids per Moles Dissolved	36864	16-Apr-96	Y	1
Y		3317	PU	Plutonium	PROPMIC	Moles of Actinide Mobilized on Microbe Colloids per Moles Dissolved	36864	16-Apr-96	Y	1
Y		3318	TH	Thorium	CAPMIC	Maximum Concentration of Actinide on Microbe Colloids	36865	16-Apr-96	Y	1
Y		3318	TH	Thorium	CAPMIC	Maximum Concentration of Actinide on Microbe Colloids	36865	16-Apr-96	Y	1
Y		3319	TH	Thorium	CONCINT	Actinide Concentration with Mobile Actinide Intrinsic Colloids	36866	16-Apr-96	Y	1
Y		3319	TH	Thorium	CONCINT	Actinide Concentration with Mobile Actinide Intrinsic Colloids	36866	16-Apr-96	Y	1
Y		3320	TH	Thorium	PROPMIC	Moles of Actinide Mobilized on Microbe Colloids per Moles Dissolved	36867	16-Apr-96	Y	1
Y		3320	TH	Thorium	PROPMIC	Moles of Actinide Mobilized on Microbe Colloids per Moles Dissolved	36867	16-Apr-96	Y	1
Y		3321	AC225	Actinium 225	EPAREL	EPA Release Limit	36868	16-Apr-96	Y	3
Y		3321	AC225	Actinium 225	EPAREL	EPA Release Limit	36868	16-Apr-96	Y	3
Y		3322	AC228	Actinium 228	EPAREL	EPA Release Limit	36869	16-Apr-96	Y	3
Y		3322	AC228	Actinium 228	EPAREL	EPA Release Limit	36869	16-Apr-96	Y	3
Y		3323	AT217	Astatine 217	EPAREL	EPA Release Limit	36870	16-Apr-96	Y	3
Y		3323	AT217	Astatine 217	EPAREL	EPA Release Limit	36870	16-Apr-96	Y	3
Y		3324	BA137	Barium 137	EPAREL	EPA Release Limit	36871	16-Apr-96	Y	3
Y		3324	BA137	Barium 137	EPAREL	EPA Release Limit	36871	16-Apr-96	Y	3
Y		3325	BA137M	Barium 137 Metastable	EPAREL	EPA Release Limit	36872	16-Apr-96	Y	3
Y		3325	BA137M	Barium 137 Metastable	EPAREL	EPA Release Limit	36872	16-Apr-96	Y	3
Y		3325	BA137M	Barium 137 Metastable	EPAREL	EPA Release Limit	36872	16-Apr-96	Y	3
Y		3326	BI211	Bismuth 211	EPAREL	EPA Release Limit	36873	16-Apr-96	Y	3
Y		3326	BI211	Bismuth 211	EPAREL	EPA Release Limit	36873	16-Apr-96	Y	3
Y		3327	BI212	Bismuth 212	EPAREL	EPA Release Limit	36874	16-Apr-96	Y	3
Y		3327	BI212	Bismuth 212	EPAREL	EPA Release Limit	36874	16-Apr-96	Y	3
Y		3328	BI213	Bismuth 213	EPAREL	EPA Release Limit	36875	16-Apr-96	Y	3
Y		3328	BI213	Bismuth 213	EPAREL	EPA Release Limit	36875	16-Apr-96	Y	3
Y		3329	BI214	Bismuth 214	EPAREL	EPA Release Limit	36876	16-Apr-96	Y	3
Y		3329	BI214	Bismuth 214	EPAREL	EPA Release Limit	36876	16-Apr-96	Y	3
Y		3330	CF252	Californium 252	EPAREL	EPA Release Limit	36877	16-Apr-96	Y	3
Y		3330	CF252	Californium 252	EPAREL	EPA Release Limit	36877	16-Apr-96	Y	3
Y		3331	CM244	Curium 244	EPAREL	EPA Release Limit	36878	16-Apr-96	Y	3
Y		3331	CM244	Curium 244	EPAREL	EPA Release Limit	36878	16-Apr-96	Y	3
Y		3332	FR221	Francium 221	EPAREL	EPA Release Limit	36879	16-Apr-96	Y	3
Y		3332	FR221	Francium 221	EPAREL	EPA Release Limit	36879	16-Apr-96	Y	3
Y		3333	ND143	Neodymium 143	EPAREL	EPA Release Limit	36880	16-Apr-96	Y	3
Y		3333	ND143	Neodymium 143	EPAREL	EPA Release Limit	36880	16-Apr-96	Y	3
Y		3334	NP239	Neptunium 239	EPAREL	EPA Release Limit	36881	16-Apr-96	Y	3
Y		3334	NP239	Neptunium 239	EPAREL	EPA Release Limit	36881	16-Apr-96	Y	3
Y		3335	PA233	Protactinium 233	EPAREL	EPA Release Limit	36882	16-Apr-96	Y	3
Y		3335	PA233	Protactinium 233	EPAREL	EPA Release Limit	36882	16-Apr-96	Y	3
Y		3336	PA234M	Protactinium 234 Metastable	EPAREL	EPA Release Limit	36883	16-Apr-96	Y	3
Y		3336	PA234M	Protactinium 234 Metastable	EPAREL	EPA Release Limit	36883	16-Apr-96	Y	3
Y		3337	PB209	Lead 209	EPAREL	EPA Release Limit	36884	16-Apr-96	Y	3
Y		3337	PB209	Lead 209	EPAREL	EPA Release Limit	36884	16-Apr-96	Y	3

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to quality existing data? (footnote 3)
3317	1	CONSTANT	3.000000E-01	3.000000E-01	3.000000E-01	3.000000E-01	NONE	WPO35856	Y	N/A
3317	1	CONSTANT	3.000000E-01	3.000000E-01	3.000000E-01	3.000000E-01	NONE	WPO36771	Y	N/A
3318	1	CONSTANT	1.900000E-03	1.900000E-03	1.900000E-03	1.900000E-03	moles/liter	WPO35856	Y	N/A
3318	1	CONSTANT	1.900000E-03	1.900000E-03	1.900000E-03	1.900000E-03	moles/liter	WPO36771	Y	N/A
3319	4	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	moles/liter	WPO35852	Y	N/A
3319	4	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	moles/liter	WPO36771	Y	N/A
3320	1	CONSTANT	3.100000E+00	3.100000E+00	3.100000E+00	3.100000E+00	NONE	WPO35856	Y	N/A
3320	1	CONSTANT	3.100000E+00	3.100000E+00	3.100000E+00	3.100000E+00	NONE	WPO36771	Y	N/A
3321	4	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Ci/wuf	40CFR191	Y	N/A
3321	4	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Ci/wuf	WPO36301	Y	N/A
3322	4	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Ci/wuf	40CFR191	Y	N/A
3322	4	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Ci/wuf	WPO36301	Y	N/A
3323	4	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Ci/wuf	40CFR191	Y	N/A
3323	4	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Ci/wuf	WPO36301	Y	N/A
3324	4	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Ci/wuf	40CFR191	Y	N/A
3324	4	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Ci/wuf	WPO36301	Y	N/A
3325	4	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Ci/wuf	40CFR191	Y	N/A
3325	4	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Ci/wuf	WPO36298	Y	N/A
3325	4	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Ci/wuf	WPO36301	Y	N/A
3326	4	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Ci/wuf	40CFR191	Y	N/A
3326	4	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Ci/wuf	WPO36301	Y	N/A
3327	4	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Ci/wuf	40CFR191	Y	N/A
3327	4	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Ci/wuf	WPO36301	Y	N/A
3328	4	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Ci/wuf	40CFR191	Y	N/A
3328	4	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Ci/wuf	WPO36301	Y	N/A
3329	4	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Ci/wuf	40CFR191	Y	N/A
3329	4	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Ci/wuf	WPO36301	-Y	N/A
3330	4	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Ci/wuf	40CFR191	Y	N/A
3330	4	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Ci/wuf	WPO36301	Y	N/A
3331	4	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Ci/wuf	40CFR191	Y	N/A
3331	4	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Ci/wuf	WPO36301	Y	N/A
3332	4	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Ci/wuf	40CFR191	Y	N/A
3332	4	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Ci/wuf	WPO36301	Y	N/A
3333	4	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Ci/wuf	40CFR191	Y	N/A
3333	4	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Ci/wuf	WPO36301	Y	N/A
3334	4	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Ci/wuf	40CFR191	Y	N/A
3334	4	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Ci/wuf	WPO36301	Y	N/A
3335	4	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Ci/wuf	40CFR191	Y	N/A
3335	4	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Ci/wuf	WPO36301	Y	N/A
3336	4	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Ci/wuf	40CFR191	Y	N/A
3336	4	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Ci/wuf	WPO36301	Y	N/A
3337	4	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Ci/wuf	40CFR191	Y	N/A
3337	4	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Ci/wuf	WPO36301	Y	N/A

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 454 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		3338	PB211	Lead 211	EPAREL	EPA Release Limit	36885	16-Apr-96	Y	3
Y		3338	PB211	Lead 211	EPAREL	EPA Release Limit	36885	16-Apr-96	Y	3
Y		3339	PB212	Lead 212	EPAREL	EPA Release Limit	36886	16-Apr-96	Y	3
Y		3339	PB212	Lead 212	EPAREL	EPA Release Limit	36886	16-Apr-96	Y	3
Y		3340	PB214	Lead 214	EPAREL	EPA Release Limit	36888	16-Apr-96	Y	3
Y		3340	PB214	Lead 214	EPAREL	EPA Release Limit	36888	16-Apr-96	Y	3
Y		3341	PM147	Promethium 147	EPAREL	EPA Release Limit	36889	16-Apr-96	Y	3
Y		3341	PM147	Promethium 147	EPAREL	EPA Release Limit	36889	16-Apr-96	Y	3
Y		3342	PO212	Polonium 212	EPAREL	EPA Release Limit	36891	16-Apr-96	Y	3
Y		3342	PO212	Polonium 212	EPAREL	EPA Release Limit	36891	16-Apr-96	Y	3
Y		3343	PO213	Polonium 213	EPAREL	EPA Release Limit	36892	16-Apr-96	Y	3
Y		3343	PO213	Polonium 213	EPAREL	EPA Release Limit	36892	16-Apr-96	Y	3
Y		3344	PO214	Polonium 214	EPAREL	EPA Release Limit	36893	16-Apr-96	Y	3
Y		3344	PO214	Polonium 214	EPAREL	EPA Release Limit	36893	16-Apr-96	Y	3
Y		3345	PO215	Polonium 215	EPAREL	EPA Release Limit	36894	16-Apr-96	Y	3
Y		3345	PO215	Polonium 215	EPAREL	EPA Release Limit	36894	16-Apr-96	Y	3
Y		3346	PO216	Polonium 216	EPAREL	EPA Release Limit	36895	16-Apr-96	Y	3
Y		3346	PO216	Polonium 216	EPAREL	EPA Release Limit	36895	16-Apr-96	Y	3
Y		3347	PO218	Polonium 218	EPAREL	EPA Release Limit	36896	16-Apr-96	Y	3
Y		3347	PO218	Polonium 218	EPAREL	EPA Release Limit	36896	16-Apr-96	Y	3
Y		3348	PU241	Plutonium 241	EPAREL	EPA Release Limit	36898	16-Apr-96	Y	3
Y		3348	PU241	Plutonium 241	EPAREL	EPA Release Limit	36898	16-Apr-96	Y	3
Y		3349	RA223	Radium 223	EPAREL	EPA Release Limit	36899	16-Apr-96	Y	3
Y		3349	RA223	Radium 223	EPAREL	EPA Release Limit	36899	16-Apr-96	Y	3
Y		3350	RA224	Radium 224	EPAREL	EPA Release Limit	36901	16-Apr-96	Y	3
Y		3350	RA224	Radium 224	EPAREL	EPA Release Limit	36901	16-Apr-96	Y	3
Y		3351	RA225	Radium 225	EPAREL	EPA Release Limit	36902	16-Apr-96	Y	3
Y		3351	RA225	Radium 225	EPAREL	EPA Release Limit	36902	16-Apr-96	Y	3
Y		3352	RA228	Radium 228	EPAREL	EPA Release Limit	36903	16-Apr-96	Y	3
Y		3352	RA228	Radium 228	EPAREL	EPA Release Limit	36903	16-Apr-96	Y	3
Y		3353	RN219	Radon 219	EPAREL	EPA Release Limit	36904	16-Apr-96	Y	3
Y		3353	RN219	Radon 219	EPAREL	EPA Release Limit	36904	16-Apr-96	Y	3
Y		3354	RN220	Radon 220	EPAREL	EPA Release Limit	36906	16-Apr-96	Y	3
Y		3354	RN220	Radon 220	EPAREL	EPA Release Limit	36906	16-Apr-96	Y	3
Y		3355	RN222	Radon 222	EPAREL	EPA Release Limit	36907	16-Apr-96	Y	3
Y		3355	RN222	Radon 222	EPAREL	EPA Release Limit	36907	16-Apr-96	Y	3
Y		3356	TH227	Thorium 227	EPAREL	EPA Release Limit	36909	16-Apr-96	Y	3
Y		3356	TH227	Thorium 227	EPAREL	EPA Release Limit	36909	16-Apr-96	Y	3
Y		3357	TH228	Thorium 228	EPAREL	EPA Release Limit	36910	16-Apr-96	Y	3
Y		3357	TH228	Thorium 228	EPAREL	EPA Release Limit	36910	16-Apr-96	Y	3
Y		3358	TH231	Thorium 231	EPAREL	EPA Release Limit	36911	16-Apr-96	Y	3
Y		3358	TH231	Thorium 231	EPAREL	EPA Release Limit	36911	16-Apr-96	Y	3
Y		3359	TH234	Thorium 234	EPAREL	EPA Release Limit	36921	16-Apr-96	Y	3
Y		3359	TH234	Thorium 234	EPAREL	EPA Release Limit	36921	16-Apr-96	Y	3
Y		3360	TL207	Thallium 207	EPAREL	EPA Release Limit	36922	16-Apr-96	Y	3
Y		3360	TL207	Thallium 207	EPAREL	EPA Release Limit	36922	16-Apr-96	Y	3
Y		3361	Y90	Yttrium 90	EPAREL	EPA Release Limit	36923	16-Apr-96	Y	3
Y		3361	Y90	Yttrium 90	EPAREL	EPA Release Limit	36923	16-Apr-96	Y	3
Y		3362	ZR90	Zirconium 90	EPAREL	EPA Release Limit	36924	16-Apr-96	Y	3
Y		3362	ZR90	Zirconium 90	EPAREL	EPA Release Limit	36924	16-Apr-96	Y	3
Y		3363	AM241	Americium 241	EPAREL	EPA Release Limit	36925	16-Apr-96	Y	3
Y		3363	AM241	Americium 241	EPAREL	EPA Release Limit	36925	16-Apr-96	Y	3
Y		3364	AC227	Actinium 227	EPAREL	EPA Release Limit	36926	16-Apr-96	Y	3
Y		3364	AC227	Actinium 227	EPAREL	EPA Release Limit	36926	16-Apr-96	Y	3

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ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to quality existing data? (footnote 3)
3338	4	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0.0000000E+00	Cihwuf	40CFR191	Y	N/A
3338	4	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0.0000000E+00	Cihwuf	WPO36301	Y	N/A
3339	4	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0.0000000E+00	Cihwuf	40CFR191	Y	N/A
3339	4	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0.0000000E+00	Cihwuf	WPO36301	Y	N/A
3340	4	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0.0000000E+00	Cihwuf	40CFR191	Y	N/A
3340	4	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0.0000000E+00	Cihwuf	WPO36301	Y	N/A
3341	4	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0.0000000E+00	Cihwuf	40CFR191	Y	N/A
3341	4	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0.0000000E+00	Cihwuf	WPO36301	Y	N/A
3342	4	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0.0000000E+00	Cihwuf	40CFR191	Y	N/A
3342	4	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0.0000000E+00	Cihwuf	WPO36301	Y	N/A
3343	4	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0.0000000E+00	Cihwuf	40CFR191	Y	N/A
3343	4	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0.0000000E+00	Cihwuf	WPO36301	Y	N/A
3344	4	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0.0000000E+00	Cihwuf	40CFR191	Y	N/A
3344	4	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0.0000000E+00	Cihwuf	WPO36301	Y	N/A
3345	4	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0.0000000E+00	Cihwuf	40CFR191	Y	N/A
3345	4	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0.0000000E+00	Cihwuf	WPO36301	Y	N/A
3346	4	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0.0000000E+00	Cihwuf	40CFR191	Y	N/A
3346	4	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0.0000000E+00	Cihwuf	WPO36301	Y	N/A
3347	4	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0.0000000E+00	Cihwuf	40CFR191	Y	N/A
3347	4	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0.0000000E+00	Cihwuf	WPO36301	Y	N/A
3348	4	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0.0000000E+00	Cihwuf	40CFR191	Y	N/A
3348	4	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0.0000000E+00	Cihwuf	WPO36301	Y	N/A
3349	4	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0.0000000E+00	Cihwuf	40CFR191	Y	N/A
3349	4	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0.0000000E+00	Cihwuf	WPO36301	Y	N/A
3350	4	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0.0000000E+00	Cihwuf	40CFR191	Y	N/A
3350	4	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0.0000000E+00	Cihwuf	WPO36301	Y	N/A
3351	4	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0.0000000E+00	Cihwuf	40CFR191	Y	N/A
3351	4	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0.0000000E+00	Cihwuf	WPO36301	Y	N/A
3352	4	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0.0000000E+00	Cihwuf	40CFR191	Y	N/A
3352	4	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0.0000000E+00	Cihwuf	WPO36301	Y	N/A
3353	4	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0.0000000E+00	Cihwuf	40CFR191	Y	N/A
3353	4	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0.0000000E+00	Cihwuf	WPO36301	Y	N/A
3354	4	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0.0000000E+00	Cihwuf	40CFR191	Y	N/A
3354	4	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0.0000000E+00	Cihwuf	WPO36301	Y	N/A
3355	4	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0.0000000E+00	Cihwuf	40CFR191	Y	N/A
3355	4	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0.0000000E+00	Cihwuf	WPO36301	Y	N/A
3356	4	CONSTANT	0.0000000E+00	0.0000000E+00	0 0000000E+00	0 0000000E+00	Cihwuf	40CFR191	Y	N/A
3356	4	CONSTANT	0.0000000E+00	0.0000000E+00	0 0000000E+00	0 0000000E+00	Cihwuf	WPO36301	Y	N/A
3357	4	CONSTANT	0.0000000E+00	0.0000000E+00	0 0000000E+00	0 0000000E+00	Cihwuf	40CFR191	Y	N/A
3357	4	CONSTANT	0.0000000E+00	0.0000000E+00	0 0000000E+00	0 0000000E+00	Cihwuf	WPO36301	Y	N/A
3358	4	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0 0000000E+00	Cihwuf	40CFR191	Y	N/A
3358	4	CONSTANT	0.0000000E+00	0.0000000E+00	0 0000000E+00	0 0000000E+00	Cihwuf	WPO36301	Y	N/A
3359	4	CONSTANT	0.0000000E+00	0.0000000E+00	0 0000000E+00	0 0000000E+00	Cihwuf	40CFR191	Y	N/A
3359	4	CONSTANT	0.0000000E+00	0.0000000E+00	0 0000000E+00	0.0000000E+00	Cihwuf	WPO36301	Y	N/A
3360	4	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0 0000000E+00	Cihwuf	40CFR191	Y	N/A
3360	4	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0.0000000E+00	Cihwuf	WPO36301	Y	N/A
3361	4	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0.0000000E+00	Cihwuf	40CFR191	Y	N/A
3361	4	CONSTANT	0.0000000E+00	0.0000000E+00	0 0000000E+00	0.0000000E+00	Cihwuf	WPO36301	Y	N/A
3362	4	CONSTANT	0.0000000E+00	0.0000000E+00	0 0000000E+00	0 0000000E+00	Cihwuf	40CFR191	Y	N/A
3362	4	CONSTANT	0.0000000E+00	0.0000000E+00	0.0000000E+00	0.0000000E+00	Cihwuf	WPO36301	Y	N/A
3363	4	CONSTANT	1.0000000E+02	1.0000000E+02	1 0000000E+02	1.0000000E+02	Cihwuf	40CFR191	Y	N/A
3363	4	CONSTANT	1.0000000E+02	1.0000000E+02	1.0000000E+02	1.0000000E+02	Cihwuf	WPO36301	Y	N/A
3364	4	CONSTANT	1.0000000E+02	1.0000000E+02	1.0000000E+02	1.0000000E+02	Cihwuf	40CFR191	Y	N/A
3364	4	CONSTANT	1.0000000E+02	1.0000000E+02	1 0000000E+02	1.0000000E+02	Cihwuf	WPO36301	Y	N/A

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WFO #)	Data Entry Date	Is the 464 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		3365	AM243	Americium 243	EPAREL	EPA Release Limit	36927	16-Apr-96	Y	3
Y		3365	AM243	Americium 243	EPAREL	EPA Release Limit	36927	16-Apr-96	Y	3
Y		3366	CM243	Curium 243	EPAREL	EPA Release Limit	36928	16-Apr-96	Y	3
Y		3366	CM243	Curium 243	EPAREL	EPA Release Limit	36928	16-Apr-96	Y	3
Y		3367	CM245	Curium 245	EPAREL	EPA Release Limit	36929	16-Apr-96	Y	3
Y		3367	CM245	Curium 245	EPAREL	EPA Release Limit	36929	16-Apr-96	Y	3
Y		3368	CM248	Curium 248	EPAREL	EPA Release Limit	36930	16-Apr-96	Y	3
Y		3368	CM248	Curium 248	EPAREL	EPA Release Limit	36930	16-Apr-96	Y	3
Y		3369	CS137	Cesium 137	EPAREL	EPA Release Limit	36931	16-Apr-96	Y	3
Y		3369	CS137	Cesium 137	EPAREL	EPA Release Limit	36931	16-Apr-96	Y	3
Y		3370	NP237	Neptunium 237	EPAREL	EPA Release Limit	36932	16-Apr-96	Y	3
Y		3370	NP237	Neptunium 237	EPAREL	EPA Release Limit	36932	16-Apr-96	Y	3
Y		3371	PA231	Protactinium 231	EPAREL	EPA Release Limit	36933	16-Apr-96	Y	3
Y		3371	PA231	Protactinium 231	EPAREL	EPA Release Limit	36933	16-Apr-96	Y	3
Y		3372	PB210	Lead 210	EPAREL	EPA Release Limit	36934	16-Apr-96	Y	3
Y		3372	PB210	Lead 210	EPAREL	EPA Release Limit	36934	16-Apr-96	Y	3
Y		3373	PU238	Plutonium 238	EPAREL	EPA Release Limit	36935	16-Apr-96	Y	3
Y		3373	PU238	Plutonium 238	EPAREL	EPA Release Limit	36935	16-Apr-96	Y	3
Y		3374	PU239	Plutonium 239	EPAREL	EPA Release Limit	36936	16-Apr-96	Y	3
Y		3374	PU239	Plutonium 239	EPAREL	EPA Release Limit	36936	16-Apr-96	Y	3
Y		3375	PU240	Plutonium 240	EPAREL	EPA Release Limit	36937	16-Apr-96	Y	3
Y		3375	PU240	Plutonium 240	EPAREL	EPA Release Limit	36937	16-Apr-96	Y	3
Y		3376	PU242	Plutonium 242	EPAREL	EPA Release Limit	36938	16-Apr-96	Y	3
Y		3376	PU242	Plutonium 242	EPAREL	EPA Release Limit	36938	16-Apr-96	Y	3
Y		3377	PU244	Plutonium 244	EPAREL	EPA Release Limit	36939	16-Apr-96	Y	3
Y		3377	PU244	Plutonium 244	EPAREL	EPA Release Limit	36939	16-Apr-96	Y	3
Y		3378	RA226	Radium 226	EPAREL	EPA Release Limit	36940	16-Apr-96	Y	3
Y		3378	RA226	Radium 226	EPAREL	EPA Release Limit	36940	16-Apr-96	Y	3
Y		3379	SM147	Samarium 147	EPAREL	EPA Release Limit	36941	16-Apr-96	Y	3
Y		3379	SM147	Samarium 147	EPAREL	EPA Release Limit	36941	16-Apr-96	Y	3
Y		3380	SR90	Strontium 90	EPAREL	EPA Release Limit	36942	16-Apr-96	Y	3
Y		3380	SR90	Strontium 90	EPAREL	EPA Release Limit	36942	16-Apr-96	Y	3
Y		3381	TH229	Thorium 229	EPAREL	EPA Release Limit	36943	16-Apr-96	Y	3
Y		3381	TH229	Thorium 229	EPAREL	EPA Release Limit	36943	16-Apr-96	Y	3
Y		3382	TH230	Thorium 230	EPAREL	EPA Release Limit	36944	16-Apr-96	Y	3
Y		3382	TH230	Thorium 230	EPAREL	EPA Release Limit	36944	16-Apr-96	Y	3
Y		3383	TH232	Thorium 232	EPAREL	EPA Release Limit	36945	16-Apr-96	Y	3
Y		3383	TH232	Thorium 232	EPAREL	EPA Release Limit	36945	16-Apr-96	Y	3
Y		3384	U233	Uranium 233	EPAREL	EPA Release Limit	36946	16-Apr-96	Y	3
Y		3384	U233	Uranium 233	EPAREL	EPA Release Limit	36946	16-Apr-96	Y	3
Y		3385	U234	Uranium 234	EPAREL	EPA Release Limit	36947	16-Apr-96	Y	3
Y		3385	U234	Uranium 234	EPAREL	EPA Release Limit	36947	16-Apr-96	Y	3
Y		3386	U235	Uranium 235	EPAREL	EPA Release Limit	36948	16-Apr-96	Y	3
Y		3386	U235	Uranium 235	EPAREL	EPA Release Limit	36948	16-Apr-96	Y	3
Y		3387	U236	Uranium 236	EPAREL	EPA Release Limit	36949	16-Apr-96	Y	3
Y		3387	U236	Uranium 236	EPAREL	EPA Release Limit	36949	16-Apr-96	Y	3
Y		3388	U238	Uranium 238	EPAREL	EPA Release Limit	36950	16-Apr-96	Y	3
Y		3388	U238	Uranium 238	EPAREL	EPA Release Limit	36950	16-Apr-96	Y	3
Y		3389	SOLPU4	Solubility Multiplier for Pu+4	SOLCIM	Solubility Mult. in Castile Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	37111A	24-May-96	Y	1
Y		3389	SOLPU4	Solubility Multiplier for Pu+4	SOLCIM	Solubility Mult. in Castile Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	37111A	24-May-96	Y	1

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to quality existing data? (footnote 3)
3365	4	CONSTANT	1.000000E+02	1.000000E+02	1.000000E+02	1.000000E+02	Ci/wuf	40CFR191	Y	N/A
3365	4	CONSTANT	1.000000E+02	1.000000E+02	1.000000E+02	1.000000E+02	Ci/wuf	WPO36301	Y	N/A
3366	4	CONSTANT	1.000000E+02	1.000000E+02	1.000000E+02	1.000000E+02	Ci/wuf	40CFR191	Y	N/A
3366	4	CONSTANT	1.000000E+02	1.000000E+02	1.000000E+02	1.000000E+02	Ci/wuf	WPO36301	Y	N/A
3367	4	CONSTANT	1.000000E+02	1.000000E+02	1.000000E+02	1.000000E+02	Ci/wuf	40CFR191	Y	N/A
3367	4	CONSTANT	1.000000E+02	1.000000E+02	1.000000E+02	1.000000E+02	Ci/wuf	WPO36301	Y	N/A
3368	4	CONSTANT	1.000000E+02	1.000000E+02	1.000000E+02	1.000000E+02	Ci/wuf	40CFR191	Y	N/A
3368	4	CONSTANT	1.000000E+02	1.000000E+02	1.000000E+02	1.000000E+02	Ci/wuf	WPO36301	Y	N/A
3369	4	CONSTANT	1.000000E+03	1.000000E+03	1.000000E+03	1.000000E+03	Ci/wuf	40CFR191	Y	N/A
3369	4	CONSTANT	1.000000E+03	1.000000E+03	1.000000E+03	1.000000E+03	Ci/wuf	WPO36301	Y	N/A
3370	4	CONSTANT	1.000000E+02	1.000000E+02	1.000000E+02	1.000000E+02	Ci/wuf	40CFR191	Y	N/A
3370	4	CONSTANT	1.000000E+02	1.000000E+02	1.000000E+02	1.000000E+02	Ci/wuf	WPO36301	Y	N/A
3371	4	CONSTANT	1.000000E+02	1.000000E+02	1.000000E+02	1.000000E+02	Ci/wuf	40CFR191	Y	N/A
3371	4	CONSTANT	1.000000E+02	1.000000E+02	1.000000E+02	1.000000E+02	Ci/wuf	WPO36301	Y	N/A
3372	4	CONSTANT	1.000000E+02	1.000000E+02	1.000000E+02	1.000000E+02	Ci/wuf	40CFR191	Y	N/A
3372	4	CONSTANT	1.000000E+02	1.000000E+02	1.000000E+02	1.000000E+02	Ci/wuf	WPO36301	Y	N/A
3373	4	CONSTANT	1.000000E+02	1.000000E+02	1.000000E+02	1.000000E+02	Ci/wuf	40CFR191	Y	N/A
3373	4	CONSTANT	1.000000E+02	1.000000E+02	1.000000E+02	1.000000E+02	Ci/wuf	WPO36301	Y	N/A
3374	4	CONSTANT	1.000000E+02	1.000000E+02	1.000000E+02	1.000000E+02	Ci/wuf	40CFR191	Y	N/A
3374	4	CONSTANT	1.000000E+02	1.000000E+02	1.000000E+02	1.000000E+02	Ci/wuf	WPO36301	Y	N/A
3375	4	CONSTANT	1.000000E+02	1.000000E+02	1.000000E+02	1.000000E+02	Ci/wuf	40CFR191	Y	N/A
3375	4	CONSTANT	1.000000E+02	1.000000E+02	1.000000E+02	1.000000E+02	Ci/wuf	WPO36301	Y	N/A
3376	4	CONSTANT	1.000000E+02	1.000000E+02	1.000000E+02	1.000000E+02	Ci/wuf	40CFR191	Y	N/A
3376	4	CONSTANT	1.000000E+02	1.000000E+02	1.000000E+02	1.000000E+02	Ci/wuf	WPO36301	Y	N/A
3377	4	CONSTANT	1.000000E+02	1.000000E+02	1.000000E+02	1.000000E+02	Ci/wuf	40CFR191	Y	N/A
3377	4	CONSTANT	1.000000E+02	1.000000E+02	1.000000E+02	1.000000E+02	Ci/wuf	WPO36301	Y	N/A
3378	4	CONSTANT	1.000000E+02	1.000000E+02	1.000000E+02	1.000000E+02	Ci/wuf	40CFR191	Y	N/A
3378	4	CONSTANT	1.000000E+02	1.000000E+02	1.000000E+02	1.000000E+02	Ci/wuf	WPO36301	Y	N/A
3379	4	CONSTANT	1.000000E+02	1.000000E+02	1.000000E+02	1.000000E+02	Ci/wuf	40CFR191	Y	N/A
3379	4	CONSTANT	1.000000E+02	1.000000E+02	1.000000E+02	1.000000E+02	Ci/wuf	WPO36301	Y	N/A
3380	4	CONSTANT	1.000000E+03	1.000000E+03	1.000000E+03	1.000000E+03	Ci/wuf	40CFR191	Y	N/A
3380	4	CONSTANT	1.000000E+03	1.000000E+03	1.000000E+03	1.000000E+03	Ci/wuf	WPO36301	Y	N/A
3381	4	CONSTANT	1.000000E+02	1.000000E+02	1.000000E+02	1.000000E+02	Ci/wuf	40CFR191	Y	N/A
3381	4	CONSTANT	1.000000E+02	1.000000E+02	1.000000E+02	1.000000E+02	Ci/wuf	WPO36301	Y	N/A
3382	4	CONSTANT	1.000000E+01	1.000000E+01	1.000000E+01	1.000000E+01	Ci/wuf	40CFR191	Y	N/A
3382	4	CONSTANT	1.000000E+01	1.000000E+01	1.000000E+01	1.000000E+01	Ci/wuf	WPO36301	Y	N/A
3383	4	CONSTANT	1.000000E+01	1.000000E+01	1.000000E+01	1.000000E+01	Ci/wuf	40CFR191	Y	N/A
3383	4	CONSTANT	1.000000E+01	1.000000E+01	1.000000E+01	1.000000E+01	Ci/wuf	WPO36301	Y	N/A
3384	4	CONSTANT	1.000000E+02	1.000000E+02	1.000000E+02	1.000000E+02	Ci/wuf	40CFR191	Y	N/A
3384	4	CONSTANT	1.000000E+02	1.000000E+02	1.000000E+02	1.000000E+02	Ci/wuf	WPO36301	Y	N/A
3385	4	CONSTANT	1.000000E+02	1.000000E+02	1.000000E+02	1.000000E+02	Ci/wuf	40CFR191	Y	N/A
3385	4	CONSTANT	1.000000E+02	1.000000E+02	1.000000E+02	1.000000E+02	Ci/wuf	WPO36301	Y	N/A
3386	4	CONSTANT	1.000000E+02	1.000000E+02	1.000000E+02	1.000000E+02	Ci/wuf	40CFR191	Y	N/A
3386	4	CONSTANT	1.000000E+02	1.000000E+02	1.000000E+02	1.000000E+02	Ci/wuf	WPO36301	Y	N/A
3387	4	CONSTANT	1.000000E+02	1.000000E+02	1.000000E+02	1.000000E+02	Ci/wuf	40CFR191	Y	N/A
3387	4	CONSTANT	1.000000E+02	1.000000E+02	1.000000E+02	1.000000E+02	Ci/wuf	WPO36301	Y	N/A
3388	4	CONSTANT	1.000000E+02	1.000000E+02	1.000000E+02	1.000000E+02	Ci/wuf	40CFR191	Y	N/A
3388	4	CONSTANT	1.000000E+02	1.000000E+02	1.000000E+02	1.000000E+02	Ci/wuf	WPO36301	Y	N/A
3389	1,3	CUMULATIVE	1.800000E-01	-9.000000E-02	-2.000000E+00	1.400000E+00	NONE	WPO35268	Y	1
3389	1,3	CUMULATIVE	1.800000E-01	-9.000000E-02	-2.000000E+00	1.400000E+00	NONE	WPO35835	Y	1

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 484 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		3389	SOLPU4	Solubility Multiplier for Pu+4	SOLCIM	Solubility Mult. in Castile Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	37111A	24-May-96	Y	1
Y		3389	SOLPU4	Solubility Multiplier for Pu+4	SOLCIM	Solubility Mult. in Castile Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	37111A	24-May-96	Y	1
Y		3390	SOLU4	Solubility Multiplier for U+4	SOLSIM	Solubility Mult. in Salado Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	37112A	24-May-96	Y	1
Y		3390	SOLU4	Solubility Multiplier for U+4	SOLSIM	Solubility Mult. in Salado Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	37112A	24-May-96	Y	1
Y		3390	SOLU4	Solubility Multiplier for U+4	SOLSIM	Solubility Mult. in Salado Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	37112A	24-May-96	Y	1
Y		3390	SOLU4	Solubility Multiplier for U+4	SOLSIM	Solubility Mult. in Salado Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	37112A	24-May-96	Y	1
Y		3390	SOLU4	Solubility Multiplier for U+4	SOLSIM	Solubility Mult. in Salado Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	37112A	24-May-96	Y	1
Y		3391	SOLU6	Solubility Multiplier for U+6	SOLSIM	Solubility Mult. in Salado Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	37113A	24-May-96	Y	1
Y		3391	SOLU6	Solubility Multiplier for U+6	SOLSIM	Solubility Mult. in Salado Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	37113A	24-May-96	Y	1
Y		3391	SOLU6	Solubility Multiplier for U+6	SOLSIM	Solubility Mult. in Salado Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	37113A	24-May-96	Y	1
Y		3391	SOLU6	Solubility Multiplier for U+6	SOLSIM	Solubility Mult. in Salado Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	37113A	24-May-96	Y	1
Y		3391	SOLU6	Solubility Multiplier for U+6	SOLSIM	Solubility Mult. in Salado Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	37113A	24-May-96	Y	1
Y		3392	SOLU6	Solubility Multiplier for U+6	SOLCIM	Solubility Mult. in Castile Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	37114A	24-May-96	Y	1
Y		3392	SOLU6	Solubility Multiplier for U+6	SOLCIM	Solubility Mult. in Castile Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	37114A	24-May-96	Y	1
Y		3392	SOLU6	Solubility Multiplier for U+6	SOLCIM	Solubility Mult. in Castile Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	37114A	24-May-96	Y	1
Y		3392	SOLU6	Solubility Multiplier for U+6	SOLCIM	Solubility Mult. in Castile Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	37114A	24-May-96	Y	1
Y		3392	SOLU6	Solubility Multiplier for U+6	SOLCIM	Solubility Mult. in Castile Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	37114A	24-May-96	Y	1
Y		3393	SOLTH4	Solubility Multiplier for Th+4	SOLSIM	Solubility Mult. in Salado Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	37115A	24-May-96	Y	1

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
3389	1,3	CUMULATIVE	1.800000E-01	-9.000000E-02	-2.000000E+00	1.400000E+00	NONE	WPO37545	Y	1
3389	1,3	CUMULATIVE	1.800000E-01	-9.000000E-02	-2.000000E+00	1.400000E+00	NONE	WPO40512	Y	1
3390	1,3	CUMULATIVE	1.800000E-01	-9.000000E-02	-2.000000E+00	1.400000E+00	NONE	WPO35268	Y	1
3390	1,3	CUMULATIVE	1.800000E-01	-9.000000E-02	-2.000000E+00	1.400000E+00	NONE	WPO35835	Y	1
3390	1,3	CUMULATIVE	1.800000E-01	-9.000000E-02	-2.000000E+00	1.400000E+00	NONE	WPO37536	Y	1
3390	1,3	CUMULATIVE	1.800000E-01	-9.000000E-02	-2.000000E+00	1.400000E+00	NONE	WPO37545	Y	1
3390	1,3	CUMULATIVE	1.800000E-01	-9.000000E-02	-2.000000E+00	1.400000E+00	NONE	WPO40512	Y	1
3391	1,3	CUMULATIVE	1.800000E-01	-9.000000E-02	-2.000000E+00	1.400000E+00	NONE	WPO35268	Y	1
3391	1,3	CUMULATIVE	1.800000E-01	-9.000000E-02	-2.000000E+00	1.400000E+00	NONE	WPO35835	Y	1
3391	1,3	CUMULATIVE	1.800000E-01	-9.000000E-02	-2.000000E+00	1.400000E+00	NONE	WPO37536	Y	1
3391	1,3	CUMULATIVE	1.800000E-01	-9.000000E-02	-2.000000E+00	1.400000E+00	NONE	WPO37545	Y	1
3391	1,3	CUMULATIVE	1.800000E-01	-9.000000E-02	-2.000000E+00	1.400000E+00	NONE	WPO40512	Y	1
3392	1,3	CUMULATIVE	1.800000E-01	-9.000000E-02	-2.000000E+00	1.400000E+00	NONE	WPO35268	Y	1
3392	1,3	CUMULATIVE	1.800000E-01	-9.000000E-02	-2.000000E+00	1.400000E+00	NONE	WPO35835	Y	1
3392	1,3	CUMULATIVE	1.800000E-01	-9.000000E-02	-2.000000E+00	1.400000E+00	NONE	WPO37536	Y	1
3392	1,3	CUMULATIVE	1.800000E-01	-9.000000E-02	-2.000000E+00	1.400000E+00	NONE	WPO37545	Y	1
3392	1,3	CUMULATIVE	1.800000E-01	-9.000000E-02	-2.000000E+00	1.400000E+00	NONE	WPO40512	Y	1
3393	1,3	CUMULATIVE	1.800000E-01	-9.000000E-02	-2.000000E+00	1.400000E+00	NONE	WPO35268	Y	1

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 454 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		3393	SOLTH4	Solubility Multiplier for Th+4	SOLSIM	Solubility Mult. in Salado Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	37115A	24-May-96	Y	1
Y		3393	SOLTH4	Solubility Multiplier for Th+4	SOLSIM	Solubility Mult. in Salado Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	37115A	24-May-96	Y	1
Y		3393	SOLTH4	Solubility Multiplier for Th+4	SOLSIM	Solubility Mult. in Salado Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	37115A	24-May-96	Y	1
Y		3393	SOLTH4	Solubility Multiplier for Th+4	SOLSIM	Solubility Mult. in Salado Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	37115A	24-May-96	Y	1
Y		3402	SOLMOD3	Oxidation state III model	SOLCIM	Solubility Mult. in Castle Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	37125A	24-May-96	Y	1
Y		3402	SOLMOD3	Oxidation state III model	SOLCIM	Solubility Mult. in Castle Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	37125A	24-May-96	Y	1
Y		3402	SOLMOD3	Oxidation state III model	SOLCIM	Solubility Mult. in Castle Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	37125A	24-May-96	Y	1
Y		3402	SOLMOD3	Oxidation state III model	SOLCIM	Solubility Mult. in Castle Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	37125A	24-May-96	Y	1
Y		3402	SOLMOD3	Oxidation state III model	SOLCIM	Solubility Mult. in Castle Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	37125A	24-May-96	Y	1
Y		3402	SOLMOD3	Oxidation state III model	SOLCIM	Solubility Mult. in Castle Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	37125A	24-May-96	Y	1
Y		3402	SOLMOD3	Oxidation state III model	SOLCIM	Solubility Mult. in Castle Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	37125A	24-May-96	Y	1
Y		3402	SOLMOD3	Oxidation state III model	SOLCIM	Solubility Mult. in Castle Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	37125A	24-May-96	Y	1
Y		3403	SOLMOD4	Oxidation state IV model	SOLCIM	Solubility Mult. in Castle Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	37126	24-Apr-96	Y	1
Y		3403	SOLMOD4	Oxidation state IV model	SOLCIM	Solubility Mult. in Castle Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	37126	24-Apr-96	Y	1
Y		3403	SOLMOD4	Oxidation state IV model	SOLCIM	Solubility Mult. in Castle Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	37126	24-Apr-96	Y	1
Y		3403	SOLMOD4	Oxidation state IV model	SOLCIM	Solubility Mult. in Castle Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	37126	24-Apr-96	Y	1
Y		3404	SOLMOD5	Oxidation state V model	SOLCIM	Solubility Mult. in Castle Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	37127	24-Apr-96	Y	1
Y		3404	SOLMOD5	Oxidation state V model	SOLCIM	Solubility Mult. in Castle Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	37127	24-Apr-96	Y	1

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
3393	1,3	CUMULATIVE	1.800000E-01	-9.000000E-02	-2.000000E+00	1.400000E+00	NONE	WPO35835	Y	1
3393	1,3	CUMULATIVE	1.800000E-01	-9.000000E-02	-2.000000E+00	1.400000E+00	NONE	WPO37536	Y	1
3393	1,3	CUMULATIVE	1.800000E-01	-9.000000E-02	-2.000000E+00	1.400000E+00	NONE	WPO37545	Y	1
3393	1,3	CUMULATIVE	1.800000E-01	-9.000000E-02	-2.000000E+00	1.400000E+00	NONE	WPO40512	Y	1
3402	1	CUMULATIVE	1.970000E-07	6.520000E-08	6.520000E-09	6.520000E-07	moles/liter	WPO35268	Y	1
3402	1	CUMULATIVE	1.970000E-07	6.520000E-08	6.520000E-09	6.520000E-07	moles/liter	WPO35835	Y	1
3402	1	CUMULATIVE	1.970000E-07	6.520000E-08	6.520000E-09	6.520000E-07	moles/liter	WPO36053	Y	1
3402	1	CUMULATIVE	1.970000E-07	6.520000E-08	6.520000E-09	6.520000E-07	moles/liter	WPO37536	Y	1
3402	1	CUMULATIVE	1.970000E-07	6.520000E-08	6.520000E-09	6.520000E-07	moles/liter	WPO37545	Y	1
3402	1	CUMULATIVE	1.970000E-07	6.520000E-08	6.520000E-09	6.520000E-07	moles/liter	WPO37822	Y	1
3402	1	CUMULATIVE	1.970000E-07	6.520000E-08	6.520000E-09	6.520000E-07	moles/liter	WPO40512	Y	1
3402	1	CUMULATIVE	1.970000E-07	6.520000E-08	6.520000E-09	6.520000E-07	moles/liter	WPO41556	Y	1
3403	1	CUMULATIVE	1.800000E-08	6.000000E-09	6.000000E-10	6.000000E-08	moles/liter	WPO35268	Y	1
3403	1	CUMULATIVE	1.800000E-08	6.000000E-09	6.000000E-10	6.000000E-08	moles/liter	WPO35835	Y	1
3403	1	CUMULATIVE	1.800000E-08	6.000000E-09	6.000000E-10	6.000000E-08	moles/liter	WPO36053	Y	1
3403	1	CUMULATIVE	1.800000E-08	6.000000E-09	6.000000E-10	6.000000E-08	moles/liter	WPO41556	Y	1
3404	1	CUMULATIVE	6.700000E-06	2.200000E-06	2.200000E-07	2.200000E-05	moles/liter	WPO35268	Y	1
3404	1	CUMULATIVE	6.700000E-06	2.200000E-06	2.200000E-07	2.200000E-05	moles/liter	WPO35835	Y	1

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 454 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		3404	SOLMOD5	Oxidation state V model	SOLCIM	Solubility Mult. in Castile Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	37127	24-Apr-96	Y	1
Y		3404	SOLMOD5	Oxidation state V model	SOLCIM	Solubility Mult. in Castile Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	37127	24-Apr-96	Y	1
Y		3404	SOLMOD5	Oxidation state V model	SOLCIM	Solubility Mult. in Castile Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	37127	24-Apr-96	Y	1
Y		3404	SOLMOD5	Oxidation state V model	SOLCIM	Solubility Mult. in Castile Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	37127	24-Apr-96	Y	1
Y		3404	SOLMOD5	Oxidation state V model	SOLCIM	Solubility Mult. in Castile Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	37127	24-Apr-96	Y	1
Y		3405	SOLMOD6	Oxidation state VI model	SOLCIM	Solubility Mult. in Castile Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	37128	24-Apr-96	Y	1
Y		3405	SOLMOD6	Oxidation state VI model	SOLCIM	Solubility Mult. in Castile Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	37128	24-Apr-96	Y	1
Y		3405	SOLMOD6	Oxidation state VI model	SOLCIM	Solubility Mult. in Castile Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	37128	24-Apr-96	Y	1
Y		3405	SOLMOD6	Oxidation state VI model	SOLCIM	Solubility Mult. in Castile Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	37128	24-Apr-96	Y	1
Y		3405	SOLMOD6	Oxidation state VI model	SOLCIM	Solubility Mult. in Castile Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	37128	24-Apr-96	Y	1
Y		3405	SOLMOD6	Oxidation state VI model	SOLCIM	Solubility Mult. in Castile Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	37128	24-Apr-96	Y	1
Y		3405	SOLMOD6	Oxidation state VI model	SOLCIM	Solubility Mult. in Castile Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	37128	24-Apr-96	Y	1
Y		3405	SOLMOD6	Oxidation state VI model	SOLCIM	Solubility Mult. in Castile Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	37128	24-Apr-96	Y	1
Y		3406	SOLMOD3	Oxidation state III model	SOLSIM	Solubility Mult. in Salado Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	37129A	24-May-96	Y	1
Y		3406	SOLMOD3	Oxidation state III model	SOLSIM	Solubility Mult. in Salado Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	37129A	24-May-96	Y	1
Y		3406	SOLMOD3	Oxidation state III model	SOLSIM	Solubility Mult. in Salado Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	37129A	24-May-96	Y	1
Y		3406	SOLMOD3	Oxidation state III model	SOLSIM	Solubility Mult. in Salado Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	37129A	24-May-96	Y	1
Y		3406	SOLMOD3	Oxidation state III model	SOLSIM	Solubility Mult. in Salado Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	37129A	24-May-96	Y	1

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
3404	1	CUMULATIVE	6.700000E-06	2.200000E-06	2.200000E-07	2.200000E-05	moles/liter	WPO36053	Y	1
3404	1	CUMULATIVE	6.700000E-06	2.200000E-06	2.200000E-07	2.200000E-05	moles/liter	WPO37536	Y	1
3404	1	CUMULATIVE	6.700000E-06	2.200000E-06	2.200000E-07	2.200000E-05	moles/liter	WPO37545	Y	1
3404	1	CUMULATIVE	6.700000E-06	2.200000E-06	2.200000E-07	2.200000E-05	moles/liter	WPO40512	Y	1
3404	1	CUMULATIVE	6.700000E-06	2.200000E-06	2.200000E-07	2.200000E-05	moles/liter	WPO41556	Y	1
3405	1	CUMULATIVE	2.700000E-05	8.800000E-06	8.800000E-07	8.800000E-05	moles/liter	WPO35268	Y	1
3405	1	CUMULATIVE	2.700000E-05	8.800000E-06	8.800000E-07	8.800000E-05	moles/liter	WPO35835	Y	1
3405	1	CUMULATIVE	2.700000E-05	8.800000E-06	8.800000E-07	8.800000E-05	moles/liter	WPO36053	Y	1
3405	1	CUMULATIVE	2.700000E-05	8.800000E-06	8.800000E-07	8.800000E-05	moles/liter	WPO37536	Y	1
3405	1	CUMULATIVE	2.700000E-05	8.800000E-06	8.800000E-07	8.800000E-05	moles/liter	WPO37545	Y	1
3405	1	CUMULATIVE	2.700000E-05	8.800000E-06	8.800000E-07	8.800000E-05	moles/liter	WPO40512	Y	1
3405	1	CUMULATIVE	2.700000E-05	8.800000E-06	8.800000E-07	8.800000E-05	moles/liter	WPO41556	Y	1
3406	1	CUMULATIVE	1.760000E-06	5.820000E-07	5.820000E-08	5.820000E-06	moles/liter	WPO35268	Y	1
3406	1	CUMULATIVE	1.760000E-06	5.820000E-07	5.820000E-08	5.820000E-06	moles/liter	WPO35835	Y	1
3406	1	CUMULATIVE	1.760000E-06	5.820000E-07	5.820000E-08	5.820000E-06	moles/liter	WPO36053	Y	1
3406	1	CUMULATIVE	1.760000E-06	5.820000E-07	5.820000E-08	5.820000E-06	moles/liter	WPO37536	Y	1
3406	1	CUMULATIVE	1.760000E-06	5.820000E-07	5.820000E-08	5.820000E-06	moles/liter	WPO37545	Y	1
3406	1	CUMULATIVE	1.760000E-06	5.820000E-07	5.820000E-08	5.820000E-06	moles/liter	WPO37822	Y	1

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 464 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		3406	SOLMOD3	Oxidation state III model	SOLSIM	Solubility Mult. in Salado Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	37129A	24-May-96	Y	1
Y		3406	SOLMOD3	Oxidation state III model	SOLSIM	Solubility Mult. in Salado Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	37129A	24-May-96	Y	1
Y		3407	SOLMOD4	Oxidation state IV model	SOLSIM	Solubility Mult. in Salado Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	37130	24-Apr-96	Y	1
Y		3407	SOLMOD4	Oxidation state IV model	SOLSIM	Solubility Mult. in Salado Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	37130	24-Apr-96	Y	1
Y		3407	SOLMOD4	Oxidation state IV model	SOLSIM	Solubility Mult. in Salado Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	37130	24-Apr-96	Y	1
Y		3407	SOLMOD4	Oxidation state IV model	SOLSIM	Solubility Mult. in Salado Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	37130	24-Apr-96	Y	1
Y		3407	SOLMOD4	Oxidation state IV model	SOLSIM	Solubility Mult. in Salado Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	37130	24-Apr-96	Y	1
Y		3407	SOLMOD4	Oxidation state IV model	SOLSIM	Solubility Mult. in Salado Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	37130	24-Apr-96	Y	1
Y		3407	SOLMOD4	Oxidation state IV model	SOLSIM	Solubility Mult. in Salado Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	37130	24-Apr-96	Y	1
Y		3407	SOLMOD4	Oxidation state IV model	SOLSIM	Solubility Mult. in Salado Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	37130	24-Apr-96	Y	1
Y		3408	SOLMOD5	Oxidation state V model	SOLSIM	Solubility Mult. in Salado Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	37131	24-Apr-96	Y	1
Y		3408	SOLMOD5	Oxidation state V model	SOLSIM	Solubility Mult. in Salado Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	37131	24-Apr-96	Y	1
Y		3408	SOLMOD5	Oxidation state V model	SOLSIM	Solubility Mult. in Salado Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	37131	24-Apr-96	Y	1
Y		3408	SOLMOD5	Oxidation state V model	SOLSIM	Solubility Mult. in Salado Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	37131	24-Apr-96	Y	1
Y		3408	SOLMOD5	Oxidation state V model	SOLSIM	Solubility Mult. in Salado Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	37131	24-Apr-96	Y	1
Y		3408	SOLMOD5	Oxidation state V model	SOLSIM	Solubility Mult. in Salado Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	37131	24-Apr-96	Y	1
Y		3408	SOLMOD5	Oxidation state V model	SOLSIM	Solubility Mult. in Salado Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	37131	24-Apr-96	Y	1
Y		3409	SOLMOD6	Oxidation state VI model	SOLSIM	Solubility Mult. in Salado Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	37132	24-Apr-96	Y	1
Y		3409	SOLMOD6	Oxidation state VI model	SOLSIM	Solubility Mult. in Salado Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	37132	24-Apr-96	Y	1

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
3406	1	CUMULATIVE	1.7600000E-06	5.8200000E-07	5.8200000E-08	5.8200000E-06	moles/liter	WPO40512	Y	1
3406	1	CUMULATIVE	1.7600000E-06	5.8200000E-07	5.8200000E-08	5.8200000E-06	moles/liter	WPO41556	Y	1
3407	1	CUMULATIVE	1.3000000E-05	4.4000000E-06	4.4000000E-07	4.4000000E-05	moles/liter	WPO35268	Y	1
3407	1	CUMULATIVE	1.3000000E-05	4.4000000E-06	4.4000000E-07	4.4000000E-05	moles/liter	WPO35835	Y	1
3407	1	CUMULATIVE	1.3000000E-05	4.4000000E-06	4.4000000E-07	4.4000000E-05	moles/liter	WPO36053	Y	1
3407	1	CUMULATIVE	1.3000000E-05	4.4000000E-06	4.4000000E-07	4.4000000E-05	moles/liter	WPO37536	Y	1
3407	1	CUMULATIVE	1.3000000E-05	4.4000000E-06	4.4000000E-07	4.4000000E-05	moles/liter	WPO37545	Y	1
3407	1	CUMULATIVE	1.3000000E-05	4.4000000E-06	4.4000000E-07	4.4000000E-05	moles/liter	WPO40512	Y	1
3407	1	CUMULATIVE	1.3000000E-05	4.4000000E-06	4.4000000E-07	4.4000000E-05	moles/liter	WPO41556	Y	1
3408	1	CUMULATIVE	7.0000000E-06	2.3000000E-06	2.3000000E-07	2.3000000E-05	moles/liter	WPO35268	Y	1
3408	1	CUMULATIVE	7.0000000E-06	2.3000000E-06	2.3000000E-07	2.3000000E-05	moles/liter	WPO35835	Y	1
3408	1	CUMULATIVE	7.0000000E-06	2.3000000E-06	2.3000000E-07	2.3000000E-05	moles/liter	WPO36053	Y	1
3408	1	CUMULATIVE	7.0000000E-06	2.3000000E-06	2.3000000E-07	2.3000000E-05	moles/liter	WPO37536	Y	1
3408	1	CUMULATIVE	7.0000000E-06	2.3000000E-06	2.3000000E-07	2.3000000E-05	moles/liter	WPO37545	Y	1
3408	1	CUMULATIVE	7.0000000E-06	2.3000000E-06	2.3000000E-07	2.3000000E-05	moles/liter	WPO40512	Y	1
3408	1	CUMULATIVE	7.0000000E-06	2.3000000E-06	2.3000000E-07	2.3000000E-05	moles/liter	WPO41556	Y	1
3409	3,4	CUMULATIVE	2.6000000E-05	8.7000000E-06	8.7000000E-07	8.7000000E-05	moles/liter	WPO35268	Y	1
3409	3,4	CUMULATIVE	2.6000000E-05	8.7000000E-06	8.7000000E-07	8.7000000E-05	moles/liter	WPO35835	Y	1

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WFO #)	Data Entry Date	Is the 464 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		3409	SOLMOD6	Oxidation state VI model	SOLSIM	Solubility Mult. in Salado Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	37132	24-Apr-96	Y	1
Y		3409	SOLMOD6	Oxidation state VI model	SOLSIM	Solubility Mult. in Salado Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	37132	24-Apr-96	Y	1
Y		3409	SOLMOD6	Oxidation state VI model	SOLSIM	Solubility Mult. in Salado Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	37132	24-Apr-96	Y	1
Y		3409	SOLMOD6	Oxidation state VI model	SOLSIM	Solubility Mult. in Salado Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	37132	24-Apr-96	Y	1
Y		3409	SOLMOD6	Oxidation state VI model	SOLSIM	Solubility Mult. in Salado Brine, Inorganic Chem Controlled by Mg(OH)2-MgCO3	37132	24-Apr-96	Y	1
Y		3410	CM243	Curium 243	INVCHD	Inventory of Contact Handled Design	37133A	29-Oct-96	Y	2
Y		3410	CM243	Curium 243	INVCHD	Inventory of Contact Handled Design	37133A	29-Oct-96	Y	2
Y		3410	CM243	Curium 243	INVCHD	Inventory of Contact Handled Design	37133A	29-Oct-96	Y	2
Y		3410	CM243	Curium 243	INVCHD	Inventory of Contact Handled Design	37133A	29-Oct-96	Y	2
Y		3411	CM243	Curium 243	INVRHD	Inventory of Remote Handled Design	37134A	29-Oct-96	Y	2
Y		3411	CM243	Curium 243	INVRHD	Inventory of Remote Handled Design	37134A	29-Oct-96	Y	2
Y		3411	CM243	Curium 243	INVRHD	Inventory of Remote Handled Design	37134A	29-Oct-96	Y	2
Y		3411	CM243	Curium 243	INVRHD	Inventory of Remote Handled Design	37134A	29-Oct-96	Y	2
Y		3412	CM245	Curium 245	INVCHD	Inventory of Contact Handled Design	37135A	29-Oct-96	Y	2
Y		3412	CM245	Curium 245	INVCHD	Inventory of Contact Handled Design	37135A	29-Oct-96	Y	2
Y		3412	CM245	Curium 245	INVCHD	Inventory of Contact Handled Design	37135A	29-Oct-96	Y	2
Y		3412	CM245	Curium 245	INVCHD	Inventory of Contact Handled Design	37135A	29-Oct-96	Y	2
Y		3413	CM245	Curium 245	INVRHD	Inventory of Remote Handled Design	37136A	29-Oct-96	Y	2
Y		3413	CM245	Curium 245	INVRHD	Inventory of Remote Handled Design	37136A	29-Oct-96	Y	2
Y		3413	CM245	Curium 245	INVRHD	Inventory of Remote Handled Design	37136A	29-Oct-96	Y	2
Y		3413	CM245	Curium 245	INVRHD	Inventory of Remote Handled Design	37136A	29-Oct-96	Y	2
Y		3414	BOREHOLE	Borehole and Fill	WUF	Unit of Waste	37137	04-Dec-96	Y	2
Y		3414	BOREHOLE	Borehole and Fill	WUF	Unit of Waste	37137	04-Dec-96	Y	2
Y		3414	BOREHOLE	Borehole and Fill	WUF	Unit of Waste	37137	04-Dec-96	Y	2
Y		3414	BOREHOLE	Borehole and Fill	WUF	Unit of Waste	37137	04-Dec-96	Y	2
Y		3415	AM243	Americum 243	INVCHD	Inventory of Contact Handled Design	37138A	29-Oct-96	Y	2
Y		3415	AM243	Americum 243	INVCHD	Inventory of Contact Handled Design	37138A	29-Oct-96	Y	2
Y		3415	AM243	Americum 243	INVCHD	Inventory of Contact Handled Design	37138A	29-Oct-96	Y	2
Y		3415	AM243	Americum 243	INVCHD	Inventory of Contact Handled Design	37138A	29-Oct-96	Y	2
Y		3416	AM243	Americum 243	INVRHD	Inventory of Remote Handled Design	37139A	29-Oct-96	Y	2
Y		3416	AM243	Americum 243	INVRHD	Inventory of Remote Handled Design	37139A	29-Oct-96	Y	2
Y		3416	AM243	Americum 243	INVRHD	Inventory of Remote Handled Design	37139A	29-Oct-96	Y	2
Y		3416	AM243	Americum 243	INVRHD	Inventory of Remote Handled Design	37139A	29-Oct-96	Y	2

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
3409	3,4	CUMULATIVE	2.600000E-05	8.700000E-06	8.700000E-07	8.700000E-05	moles/liter	WPO36053	Y	1
3409	3,4	CUMULATIVE	2.600000E-05	8.700000E-06	8.700000E-07	8.700000E-05	moles/liter	WPO37536	Y	1
3409	3,4	CUMULATIVE	2.600000E-05	8.700000E-06	8.700000E-07	8.700000E-05	moles/liter	WPO37545	Y	1
3409	3,4	CUMULATIVE	2.600000E-05	8.700000E-06	8.700000E-07	8.700000E-05	moles/liter	WPO40512	Y	1
3409	3,4	CUMULATIVE	2.600000E-05	8.700000E-06	8.700000E-07	8.700000E-05	moles/liter	WPO41556	Y	1
3410	2	CONSTANT	1.080000E+00	1.080000E+00	1.080000E+00	1.080000E+00	Ci	WPO37061	Y	N/A
3410	2	CONSTANT	1.080000E+00	1.080000E+00	1.080000E+00	1.080000E+00	Ci	WPO39260	Y	N/A
3410	2	CONSTANT	1.080000E+00	1.080000E+00	1.080000E+00	1.080000E+00	Ci	WPO41559	Y	N/A
3410	2	CONSTANT	1.080000E+00	1.080000E+00	1.080000E+00	1.080000E+00	Ci	WPO41560	Y	N/A
3411	2	CONSTANT	1.970000E+01	1.970000E+01	1.970000E+01	1.970000E+01	Ci	WPO37061	Y	N/A
3411	2	CONSTANT	1.970000E+01	1.970000E+01	1.970000E+01	1.970000E+01	Ci	WPO39260	Y	N/A
3411	2	CONSTANT	1.970000E+01	1.970000E+01	1.970000E+01	1.970000E+01	Ci	WPO41559	Y	N/A
3411	2	CONSTANT	1.970000E+01	1.970000E+01	1.970000E+01	1.970000E+01	Ci	WPO41560	Y	N/A
3412	2	CONSTANT	1.150000E+02	1.150000E+02	1.150000E+02	1.150000E+02	Ci	WPO37061	Y	N/A
3412	2	CONSTANT	1.150000E+02	1.150000E+02	1.150000E+02	1.150000E+02	Ci	WPO39260	Y	N/A
3412	2	CONSTANT	1.150000E+02	1.150000E+02	1.150000E+02	1.150000E+02	Ci	WPO41559	Y	N/A
3412	2	CONSTANT	1.150000E+02	1.150000E+02	1.150000E+02	1.150000E+02	Ci	WPO41560	Y	N/A
3413	2	CONSTANT	1.480000E-05	1.480000E-05	1.480000E-05	1.480000E-05	Ci	WPO37061	Y	N/A
3413	2	CONSTANT	1.480000E-05	1.480000E-05	1.480000E-05	1.480000E-05	Ci	WPO39260	Y	N/A
3413	2	CONSTANT	1.480000E-05	1.480000E-05	1.480000E-05	1.480000E-05	Ci	WPO41559	Y	N/A
3413	2	CONSTANT	1.480000E-05	1.480000E-05	1.480000E-05	1.480000E-05	Ci	WPO41560	Y	N/A
3414	2	CONSTANT	3.440000E+00	3.440000E+00	3.440000E+00	3.440000E+00	Curies	WPO37061	Y	N/A
3414	2	CONSTANT	3.440000E+00	3.440000E+00	3.440000E+00	3.440000E+00	Curies	WPO39260	Y	N/A
3414	2	CONSTANT	3.440000E+00	3.440000E+00	3.440000E+00	3.440000E+00	Curies	WPO41559	Y	N/A
3414	2	CONSTANT	3.440000E+00	3.440000E+00	3.440000E+00	3.440000E+00	Curies	WPO41560	Y	N/A
3415	2	CONSTANT	3.250000E+01	3.250000E+01	3.250000E+01	3.250000E+01	Ci	WPO37061	Y	N/A
3415	2	CONSTANT	3.250000E+01	3.250000E+01	3.250000E+01	3.250000E+01	Ci	WPO39260	Y	N/A
3415	2	CONSTANT	3.250000E+01	3.250000E+01	3.250000E+01	3.250000E+01	Ci	WPO41559	Y	N/A
3415	2	CONSTANT	3.250000E+01	3.250000E+01	3.250000E+01	3.250000E+01	Ci	WPO41560	Y	N/A
3416	2	CONSTANT	2.270000E-04	2.270000E-04	2.270000E-04	2.270000E-04	Ci	WPO37061	Y	N/A
3416	2	CONSTANT	2.270000E-04	2.270000E-04	2.270000E-04	2.270000E-04	Ci	WPO39260	Y	N/A
3416	2	CONSTANT	2.270000E-04	2.270000E-04	2.270000E-04	2.270000E-04	Ci	WPO41559	Y	N/A
3416	2	CONSTANT	2.270000E-04	2.270000E-04	2.270000E-04	2.270000E-04	Ci	WPO41560	Y	N/A

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 484 constant with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		3417	GLOBAL	Information that applies globally	OXSTAT	Index for the Oxidation State	37663	01-May-96	Y	1
Y		3417	GLOBAL	Information that applies globally	OXSTAT	Index for the Oxidation State	37663	01-May-96	Y	1
Y		3417	GLOBAL	Information that applies globally	OXSTAT	Index for the Oxidation State	37663	01-May-96	Y	1
Y		3417	GLOBAL	Information that applies globally	OXSTAT	Index for the Oxidation State	37663	01-May-96	Y	1
Y		3418	CULEBRA	Culebra member of the Rustler formation	MEA_STOR	Measured Storativity	37664	01-May-96	Y	1
Y		3419	CULEBRA	Culebra member of the Rustler formation	MINP_FAC	Mining Transmissivity Multiplier	37666	01-May-96	Y	1
Y		3419	CULEBRA	Culebra member of the Rustler formation	MINP_FAC	Mining Transmissivity Multiplier	37666	01-May-96	Y	1
Y		3419	CULEBRA	Culebra member of the Rustler formation	MINP_FAC	Mining Transmissivity Multiplier	37666	01-May-96	Y	1
Y		3420	BLOWOUT	BRAGFLOW Direct Brine Releases	FCE	Cementation Scaling Factor	37668	02-May-96	Y	4B
Y		3420	BLOWOUT	BRAGFLOW Direct Brine Releases	FCE	Cementation Scaling Factor	37668	02-May-96	Y	4B
Y		3421	PB209	Lead 209	ATWEIGHT	Atomic Weight in kg/mole	37670	02-May-96	Y	3
Y		3421	PB209	Lead 209	ATWEIGHT	Atomic Weight in kg/mole	37670	02-May-96	Y	3
Y		3429	PHUMOX3	Proportionality Constant, +3 State, Humic Colloids	PHUMCIM	Proportionality Const., Humic Colloids, Castile Brine, MgO controls pH	37683	08-May-96	Y	1
Y		3429	PHUMOX3	Proportionality Constant, +3 State, Humic Colloids	PHUMCIM	Proportionality Const., Humic Colloids, Castile Brine, MgO controls pH	37683	08-May-96	Y	1
Y		3429	PHUMOX3	Proportionality Constant, +3 State, Humic Colloids	PHUMCIM	Proportionality Const., Humic Colloids, Castile Brine, MgO controls pH	37683	08-May-96	Y	1
Y		3430	PHUMOX4	Proportionality constant with humic colloids for actinide in oxidation state IV	PHUMCIM	Proportionality Const., Humic Colloids, Castile Brine, MgO controls pH	37685	08-May-96	Y	1
Y		3430	PHUMOX4	Proportionality constant with humic colloids for actinide in oxidation state IV	PHUMCIM	Proportionality Const., Humic Colloids, Castile Brine, MgO controls pH	37685	08-May-96	Y	1
Y		3431	PHUMOX5	Proportionality constant with humic colloids for actinide in oxidation state V	PHUMCIM	Proportionality Const., Humic Colloids, Castile Brine, MgO controls pH	37687	08-May-96	Y	1
Y		3431	PHUMOX5	Proportionality constant with humic colloids for actinide in oxidation state V	PHUMCIM	Proportionality Const., Humic Colloids, Castile Brine, MgO controls pH	37687	08-May-96	Y	1
Y		3432	PHUMOX6	Proportionality constant with humic colloids for actinide in oxidation state VI	PHUMCIM	Proportionality Const., Humic Colloids, Castile Brine, MgO controls pH	37688	08-May-96	Y	1
Y		3432	PHUMOX6	Proportionality constant with humic colloids for actinide in oxidation state VI	PHUMCIM	Proportionality Const., Humic Colloids, Castile Brine, MgO controls pH	37688	08-May-96	Y	1
Y		3433	PHUMOX3	Proportionality Constant, +3 State, Humic Colloids	PHUMSIM	Proportionality Const. of Actinides in Salado Brine w/Humic Colloids, Inorganic	37690	08-May-96	Y	1
Y		3433	PHUMOX3	Proportionality Constant, +3 State, Humic Colloids	PHUMSIM	Proportionality Const. of Actinides in Salado Brine w/Humic Colloids, Inorganic	37690	08-May-96	Y	1
Y		3434	PHUMOX4	Proportionality constant with humic colloids for actinide in oxidation state IV	PHUMSIM	Proportionality Const. of Actinides in Salado Brine w/Humic Colloids, Inorganic	37691	08-May-96	Y	1
Y		3434	PHUMOX4	Proportionality constant with humic colloids for actinide in oxidation state IV	PHUMSIM	Proportionality Const. of Actinides in Salado Brine w/Humic Colloids, Inorganic	37691	08-May-96	Y	1

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
3417	1,4	UNIFORM	5.000000E-01	5.000000E-01	0.000000E+00	1.000000E+00	NONE	WPO35194	Y	N/A
3417	1,4	UNIFORM	5.000000E-01	5.000000E-01	0.000000E+00	1.000000E+00	NONE	WPO35268	Y	N/A
3417	1,4	UNIFORM	5.000000E-01	5.000000E-01	0.000000E+00	1.000000E+00	NONE	WPO35835	Y	N/A
3417	1,4	UNIFORM	5.000000E-01	5.000000E-01	0.000000E+00	1.000000E+00	NONE	WPO37536	Y	N/A
3418	1	CONSTANT	1.000000E-05	1.000000E-05	1.000000E-05	1.000000E-05	NONE	WPO36456	Y	1
3419	4	UNIFORM	5.005000E+02	5.005000E+02	1.000000E+00	1.000000E+03	NONE	WPO35268	Y	1
3419	4	UNIFORM	5.005000E+02	5.005000E+02	1.000000E+00	1.000000E+03	NONE	WPO36489	Y	1
3419	4	UNIFORM	5.005000E+02	5.005000E+02	1.000000E+00	1.000000E+03	NONE	WPO39355	Y	1
3420	3,5	CONSTANT	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	NONE	WPO36723	Y	N/A
3420	3,5	CONSTANT	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	NONE	WPO40521	Y	N/A
3421	4	CONSTANT	2.089810E-01	2.089810E-01	2.089810E-01	2.089810E-01	kg/mole	WPO36301	Y	N/A
3421	4	CONSTANT	2.089810E-01	2.089810E-01	2.089810E-01	2.089810E-01	kg/mole	WPO37404	Y	N/A
3429	1,4	CUMULATIVE	1.100000E+00	1.370000E+00	6.500000E-02	1.600000E+00	NONE	WPO35268	Y	N/A
3429	1,4	CUMULATIVE	1.100000E+00	1.370000E+00	6.500000E-02	1.600000E+00	NONE	WPO35855	Y	N/A
3429	1,4	CUMULATIVE	1.100000E+00	1.370000E+00	6.500000E-02	1.600000E+00	NONE	WPO37522	Y	N/A
3430	1,4	CONSTANT	6.300000E+00	6.300000E+00	6.300000E+00	6.300000E+00	NONE	WPO35855	Y	N/A
3430	1,4	CONSTANT	6.300000E+00	6.300000E+00	6.300000E+00	6.300000E+00	NONE	WPO37522	Y	N/A
3431	1,4	CONSTANT	7.400000E-03	7.400000E-03	7.400000E-03	7.400000E-03	NONE	WPO35855	Y	N/A
3431	1,4	CONSTANT	7.400000E-03	7.400000E-03	7.400000E-03	7.400000E-03	NONE	WPO37522	Y	N/A
3432	1,4	CONSTANT	5.100000E-01	5.100000E-01	5.100000E-01	5.100000E-01	NONE	WPO35855	Y	N/A
3432	1,4	CONSTANT	5.100000E-01	5.100000E-01	5.100000E-01	5.100000E-01	NONE	WPO37522	Y	N/A
3433	1,4	CONSTANT	1.900000E-01	1.900000E-01	1.900000E-01	1.900000E-01	NONE	WPO35855	Y	N/A
3433	1,4	CONSTANT	1.900000E-01	1.900000E-01	1.900000E-01	1.900000E-01	NONE	WPO37522	Y	N/A
3434	1,4	CONSTANT	6.300000E+00	6.300000E+00	6.300000E+00	6.300000E+00	NONE	WPO35855	Y	N/A
3434	1,4	CONSTANT	6.300000E+00	6.300000E+00	6.300000E+00	6.300000E+00	NONE	WPO37522	Y	N/A

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 484 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		3435	PHUMOX5	Proportionality constant with humic colloids for actinide in oxidation state V	PHUMSIM	Proportionality Const. of Actinides in Salado Brine w/Humic Colloids, Inorganic	37694	08-May-96	Y	1
Y		3435	PHUMOX5	Proportionality constant with humic colloids for actinide in oxidation state V	PHUMSIM	Proportionality Const. of Actinides in Salado Brine w/Humic Colloids, Inorganic	37694	08-May-96	Y	1
Y		3436	PHUMOX6	Proportionality constant with humic colloids for actinide in oxidation state VI	PHUMSIM	Proportionality Const. of Actinides in Salado Brine w/Humic Colloids, Inorganic	37695	08-May-96	Y	1
Y		3436	PHUMOX6	Proportionality constant with humic colloids for actinide in oxidation state VI	PHUMSIM	Proportionality Const. of Actinides in Salado Brine w/Humic Colloids, Inorganic	37695	08-May-96	Y	1
Y		3437	TH	Thorium	CONCMIN	Actinide Concentration with Mobile Mineral Fragment Colloids	37697	08-May-96	Y	1
Y		3437	TH	Thorium	CONCMIN	Actinide Concentration with Mobile Mineral Fragment Colloids	37697	08-May-96	Y	1
Y		3438	U	Uranium	CONCMIN	Actinide Concentration with Mobile Mineral Fragment Colloids	37698	08-May-96	Y	1
Y		3438	U	Uranium	CONCMIN	Actinide Concentration with Mobile Mineral Fragment Colloids	37698	08-May-96	Y	1
Y		3439	NP	Neptunium	CONCMIN	Actinide Concentration with Mobile Mineral Fragment Colloids	37700	08-May-96	Y	1
Y		3439	NP	Neptunium	CONCMIN	Actinide Concentration with Mobile Mineral Fragment Colloids	37700	08-May-96	Y	1
Y		3440	PU	Plutonium	CONCMIN	Actinide Concentration with Mobile Mineral Fragment Colloids	37703	08-May-96	Y	1
Y		3440	PU	Plutonium	CONCMIN	Actinide Concentration with Mobile Mineral Fragment Colloids	37703	08-May-96	Y	1
Y		3441	AM	Americium	CONCMIN	Actinide Concentration with Mobile Mineral Fragment Colloids	37704	08-May-96	Y	1
Y		3441	AM	Americium	CONCMIN	Actinide Concentration with Mobile Mineral Fragment Colloids	37704	08-May-96	Y	1
Y		3442	PU+3	Plutonium III	MD0	Molecular diffusion in pure fluid	37705	17-May-96	Y	1
Y		3443	PU+4	Plutonium IV	MD0	Molecular diffusion in pure fluid	37708	17-May-96	-Y	1
Y		3444	AM+3	Americium III	MD0	Molecular diffusion in pure fluid	37709	17-May-96	Y	1
Y		3446	U+4	Uranium IV	MD0	Molecular diffusion in pure fluid	37711	17-May-96	Y	1
Y		3447	AM	Americium	CAPMIC	Maximum Concentration of Actinide on Microbe Colloids	37712	08-May-96	Y	1
Y		3447	AM	Americium	CAPMIC	Maximum Concentration of Actinide on Microbe Colloids	37712	08-May-96	Y	1
Y		3448	U+6	Uranium VI	MD0	Molecular diffusion in pure fluid	37714	17-May-96	Y	1
Y		3449	TH+4	Thorium IV	MD0	Molecular diffusion in pure fluid	37715	17-May-96	Y	1
Y		3454	WAS_AREA	Waste emplacement area and waste	CLOSMOD	Closure Surface Model	38200	04-Jun-96	Y	4B
Y		3454	WAS_AREA	Waste emplacement area and waste	CLOSMOD	Closure Surface Model	38200	04-Jun-96	Y	4B
Y		3454	WAS_AREA	Waste emplacement area and waste	CLOSMOD	Closure Surface Model	38200	04-Jun-96	Y	4B
Y		3455	REPOSIT	Repository regions outside of Panel region	CLOSMOD	Closure Surface Model	38207	04-Jun-96	Y	4B
Y		3455	REPOSIT	Repository regions outside of Panel region	CLOSMOD	Closure Surface Model	38207	04-Jun-96	Y	4B

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
3435	1,4	CONSTANT	9.1000000E-04	9.1000000E-04	9.1000000E-04	9.1000000E-04	NONE	WPO35855	Y	N/A
3435	1,4	CONSTANT	9.1000000E-04	9.1000000E-04	9.1000000E-04	9.1000000E-04	NONE	WPO37522	Y	N/A
3436	1,4	CONSTANT	1.2000000E-01	1.2000000E-01	1.2000000E-01	1.2000000E-01	NONE	WPO35855	Y	N/A
3436	1,4	CONSTANT	1.2000000E-01	1.2000000E-01	1.2000000E-01	1.2000000E-01	NONE	WPO37522	Y	N/A
3437	1,4	CONSTANT	2.6000000E-08	2.6000000E-08	2.6000000E-08	2.6000000E-08	moles/liter	WPO35850	Y	N/A
3437	1,4	CONSTANT	2.6000000E-08	2.6000000E-08	2.6000000E-08	2.6000000E-08	moles/liter	WPO37522	Y	N/A
3438	1,4	CONSTANT	2.6000000E-08	2.6000000E-08	2.6000000E-08	2.6000000E-08	moles/liter	WPO35850	Y	N/A
3438	1,4	CONSTANT	2.6000000E-08	2.6000000E-08	2.6000000E-08	2.6000000E-08	moles/liter	WPO37522	Y	N/A
3439	1,4	CONSTANT	2.6000000E-08	2.6000000E-08	2.6000000E-08	2.6000000E-08	moles/liter	WPO35850	Y	N/A
3439	1,4	CONSTANT	2.6000000E-08	2.6000000E-08	2.6000000E-08	2.6000000E-08	moles/liter	WPO37522	Y	N/A
3440	1,4	CONSTANT	2.6000000E-08	2.6000000E-08	2.6000000E-08	2.6000000E-08	moles/liter	WPO35850	Y	N/A
3440	1,4	CONSTANT	2.6000000E-08	2.6000000E-08	2.6000000E-08	2.6000000E-08	moles/liter	WPO37522	Y	N/A
3441	1,4	CONSTANT	2.6000000E-08	2.6000000E-08	2.6000000E-08	2.6000000E-08	moles/liter	WPO35850	Y	N/A
3441	1,4	CONSTANT	2.6000000E-08	2.6000000E-08	2.6000000E-08	2.6000000E-08	moles/liter	WPO37522	Y	N/A
3442	4	CONSTANT	3.0000000E-10	3.0000000E-10	3.0000000E-10	3.0000000E-10	m ² /s	WPO37533	Y	N/A
3443	4	CONSTANT	1.5300000E-10	1.5300000E-10	1.5300000E-10	1.5300000E-10	m ² /s	WPO37533	-Y	N/A
3444	4	CONSTANT	3.0000000E-10	3.0000000E-10	3.0000000E-10	3.0000000E-10	m ² /s	WPO37533	Y	N/A
3446	4	CONSTANT	1.5300000E-10	1.5300000E-10	1.5300000E-10	1.5300000E-10	m ² /s	WPO37533	Y	N/A
3447	1	CONSTANT	1.0000000E+00	1.0000000E+00	1.0000000E+00	1.0000000E+00	moles/liter	WPO35856	Y	N/A
3447	1	CONSTANT	1.0000000E+00	1.0000000E+00	1.0000000E+00	1.0000000E+00	moles/liter	WPO35771	Y	N/A
3448	4	CONSTANT	4.2600000E-10	4.2600000E-10	4.2600000E-10	4.2600000E-10	m ² /s	WPO37533	Y	N/A
3449	4	CONSTANT	1.5300000E-10	1.5300000E-10	1.5300000E-10	1.5300000E-10	m ² /s	WPO37533	Y	N/A
3454	1,3	CONSTANT	4.0000000E+00	4.0000000E+00	4.0000000E+00	4.0000000E+00	NONE	WPO30703	Y	N/A
3454	1,3	CONSTANT	4.0000000E+00	4.0000000E+00	4.0000000E+00	4.0000000E+00	NONE	WPO31368	Y	N/A
3454	1,3	CONSTANT	4.0000000E+00	4.0000000E+00	4.0000000E+00	4.0000000E+00	NONE	WPO40514	Y	N/A
3455	1,3	CONSTANT	4.0000000E+00	4.0000000E+00	4.0000000E+00	4.0000000E+00	NONE	WPO30703	Y	N/A
3455	1,3	CONSTANT	4.0000000E+00	4.0000000E+00	4.0000000E+00	4.0000000E+00	NONE	WPO31368	Y	N/A

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WFO #)	Data Entry Date	Is the 454 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		3455	REPOSIT	Repository regions outside of Panel region	CLOSMOD	Closure Surface Model	38207	04-Jun-96	Y	4B
Y		3456	BLOWOUT	BRAGFLOW Direct Brine Releases	RE_CAST	External drainage radius for the Castile formation	38208	06-Jun-96	Y	4B
Y		3456	BLOWOUT	BRAGFLOW Direct Brine Releases	RE_CAST	External drainage radius for the Castile formation	38208	06-Jun-96	Y	4B
Y		3457	AM	Americium	CAPHUM	Maximum Concentration of Actinide with Mobile Humic Colloids	37721	08-May-96	Y	1
Y		3457	AM	Americium	CAPHUM	Maximum Concentration of Actinide with Mobile Humic Colloids	37721	08-May-96	Y	1
Y		3458	NP	Neptunium	CAPHUM	Maximum Concentration of Actinide with Mobile Humic Colloids	37723	08-May-96	Y	1
Y		3458	NP	Neptunium	CAPHUM	Maximum Concentration of Actinide with Mobile Humic Colloids	37723	08-May-96	Y	1
Y		3459	PU	Plutonium	CAPHUM	Maximum Concentration of Actinide with Mobile Humic Colloids	37724	08-May-96	Y	1
Y		3459	PU	Plutonium	CAPHUM	Maximum Concentration of Actinide with Mobile Humic Colloids	37724	08-May-96	Y	1
Y		3460	U	Uranium	CAPHUM	Maximum Concentration of Actinide with Mobile Humic Colloids	37725	08-May-96	Y	1
Y		3460	U	Uranium	CAPHUM	Maximum Concentration of Actinide with Mobile Humic Colloids	37725	08-May-96	Y	1
Y		3461	TH	Thorium	CAPHUM	Maximum Concentration of Actinide with Mobile Humic Colloids	37726	08-May-96	Y	1
Y		3461	TH	Thorium	CAPHUM	Maximum Concentration of Actinide with Mobile Humic Colloids	37726	08-May-96	Y	1
Y		3462	CULEBRA	Culebra member of the Rustler formation	ETHICK	Effective Thickness	37727	07-May-96	Y	1
Y		3462	CULEBRA	Culebra member of the Rustler formation	ETHICK	Effective Thickness	37727	07-May-96	Y	1
Y		3469	CULEBRA	Culebra member of the Rustler formation	SKIN_RES	Skun Resistance	37735	09-May-96	Y	4B
Y		3469	CULEBRA	Culebra member of the Rustler formation	SKIN_RES	Skun Resistance	37735	09-May-96	Y	4B
Y		3469	CULEBRA	Culebra member of the Rustler formation	SKIN_RES	Skun Resistance	37735	09-May-96	Y	4B
Y		3470	BLOWOUT	BRAGFLOW Direct Brine Releases	GAS_MIN	Gas rate cut-off	38209	06-Jun-96	Y	4B
Y		3470	BLOWOUT	BRAGFLOW Direct Brine Releases	GAS_MIN	Gas rate cut-off	38209	06-Jun-96	Y	4B
Y		3471	BLOWOUT	BRAGFLOW Direct Brine Releases	MAXFLOW	Maximum blowout flow	38210	06-Jun-96	Y	4B
Y		3471	BLOWOUT	BRAGFLOW Direct Brine Releases	MAXFLOW	Maximum blowout flow	38210	06-Jun-96	Y	4B
Y		3472	BLOWOUT	BRAGFLOW Direct Brine Releases	MINFLOW	Minimum blowout flow	38211	06-Jun-96	Y	4B
Y		3472	BLOWOUT	BRAGFLOW Direct Brine Releases	MINFLOW	Minimum blowout flow	38211	06-Jun-96	Y	4B
Y		3473	BLOWOUT	BRAGFLOW Direct Brine Releases	THCK_CAS	Thickness of the Castile formation	38213	06-Jun-96	Y	4B
Y		3473	BLOWOUT	BRAGFLOW Direct Brine Releases	THCK_CAS	Thickness of the Castile formation	38213	06-Jun-96	Y	4B
Y		3474	CULEBRA	Culebra member of the Rustler formation	DTORT	Diffusive Tortuosity	38345	10-Jun-96	Y	1
Y		3474	CULEBRA	Culebra member of the Rustler formation	DTORT	Diffusive Tortuosity	38345	10-Jun-96	Y	1

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
3455	1,3	CONSTANT	4.000000E+00	4.000000E+00	4.000000E+00	4.000000E+00	NONE	WPO40514	Y	N/A
3456	3,5	CONSTANT	1.140000E+02	1.140000E+02	1.140000E+02	1.140000E+02	m	WPO38217	Y	N/A
3456	3,5	CONSTANT	1.140000E+02	1.140000E+02	1.140000E+02	1.140000E+02	m	WPO40520	Y	N/A
3457	1	CONSTANT	1.100000E-05	1.100000E-05	1.100000E-05	1.100000E-05	moles/liter	WPO35855	Y	N/A
3457	1	CONSTANT	1.100000E-05	1.100000E-05	1.100000E-05	1.100000E-05	moles/liter	WPO37522	Y	N/A
3458	1	CONSTANT	1.100000E-05	1.100000E-05	1.100000E-05	1.100000E-05	moles/liter	WPO35855	Y	N/A
3458	1	CONSTANT	1.100000E-05	1.100000E-05	1.100000E-05	1.100000E-05	moles/liter	WPO37522	Y	N/A
3459	1	CONSTANT	1.100000E-05	1.100000E-05	1.100000E-05	1.100000E-05	moles/liter	WPO35855	Y	N/A
3459	1	CONSTANT	1.100000E-05	1.100000E-05	1.100000E-05	1.100000E-05	moles/liter	WPO37522	Y	N/A
3460	1	CONSTANT	1.100000E-05	1.100000E-05	1.100000E-05	1.100000E-05	moles/liter	WPO35855	Y	N/A
3460	1	CONSTANT	1.100000E-05	1.100000E-05	1.100000E-05	1.100000E-05	moles/liter	WPO37522	Y	N/A
3461	1	CONSTANT	1.100000E-05	1.100000E-05	1.100000E-05	1.100000E-05	moles/liter	WPO35855	Y	N/A
3461	1	CONSTANT	1.100000E-05	1.100000E-05	1.100000E-05	1.100000E-05	moles/liter	WPO37522	Y	N/A
3462	1,3	CONSTANT	4.000000E+00	4.000000E+00	4.000000E+00	4.000000E+00	m	WPO35597	Y	1
3462	1,3	CONSTANT	4.000000E+00	4.000000E+00	4.000000E+00	4.000000E+00	m	WPO37223	Y	1
3469	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO36491	Y	N/A
3469	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO39371	Y	N/A
3469	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40516	Y	N/A
3470	3,5	CONSTANT	1.000000E+02	1.000000E+02	1.000000E+02	1.000000E+02	mscd/day	WPO38214	Y	N/A
3470	3,5	CONSTANT	1.000000E+02	1.000000E+02	1.000000E+02	1.000000E+02	mscd/day	WPO40520	Y	N/A
3471	3,5	CONSTANT	9.504000E+05	9.504000E+05	9.504000E+05	9.504000E+05	s	WPO38214	Y	N/A
3471	3,5	CONSTANT	9.504000E+05	9.504000E+05	9.504000E+05	9.504000E+05	s	WPO40520	Y	N/A
3472	3,5	CONSTANT	2.592000E+05	2.592000E+05	2.592000E+05	2.592000E+05	s	WPO38214	Y	N/A
3472	3,5	CONSTANT	2.592000E+05	2.592000E+05	2.592000E+05	2.592000E+05	s	WPO40520	Y	N/A
3473	3,5	CONSTANT	1.234000E+01	1.234000E+01	1.234000E+01	1.234000E+01	m	WPO38217	Y	N/A
3473	3,5	CONSTANT	1.234000E+01	1.234000E+01	1.234000E+01	1.234000E+01	m	WPO40520	Y	N/A
3474	1,3	CONSTANT	1.100000E-01	1.100000E-01	1.100000E-01	1.100000E-01	NONE	WPO37226	Y	1
3474	1,3	CONSTANT	1.100000E-01	1.100000E-01	1.100000E-01	1.100000E-01	NONE	WPO38940	Y	1

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 454 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		3475	U+6	Uranium VI	MKD_U	Matrix Partition Coefficient for Uranium	38346	12-Jun-96	Y	1
Y		3475	U+6	Uranium VI	MKD_U	Matrix Partition Coefficient for Uranium	38346	12-Jun-96	Y	1
Y		3475	U+6	Uranium VI	MKD_U	Matrix Partition Coefficient for Uranium	38346	12-Jun-96	Y	1
Y		3475	U+6	Uranium VI	MKD_U	Matrix Partition Coefficient for Uranium	38346	12-Jun-96	Y	1
Y		3475	U+6	Uranium VI	MKD_U	Matrix Partition Coefficient for Uranium	38346	12-Jun-96	Y	1
Y		3476	NP+5	Neptunium V	MKD_NP	Matrix Partition Coefficient for Neptunium	38347	12-Jun-96	Y	1
Y		3476	NP+5	Neptunium V	MKD_NP	Matrix Partition Coefficient for Neptunium	38347	12-Jun-96	Y	1
Y		3476	NP+5	Neptunium V	MKD_NP	Matrix Partition Coefficient for Neptunium	38347	12-Jun-96	Y	1
Y		3476	NP+5	Neptunium V	MKD_NP	Matrix Partition Coefficient for Neptunium	38347	12-Jun-96	Y	1
Y		3476	NP+5	Neptunium V	MKD_NP	Matrix Partition Coefficient for Neptunium	38347	12-Jun-96	Y	1
Y		3477	NP+4	Neptunium IV	MKD_NP	Matrix Partition Coefficient for Neptunium	38348	12-Jun-96	Y	1
Y		3477	NP+4	Neptunium IV	MKD_NP	Matrix Partition Coefficient for Neptunium	38348	12-Jun-96	Y	1
Y		3477	NP+4	Neptunium IV	MKD_NP	Matrix Partition Coefficient for Neptunium	38348	12-Jun-96	Y	1
Y		3477	NP+4	Neptunium IV	MKD_NP	Matrix Partition Coefficient for Neptunium	38348	12-Jun-96	Y	1
Y		3477	NP+4	Neptunium IV	MKD_NP	Matrix Partition Coefficient for Neptunium	38348	12-Jun-96	Y	1
Y		3478	TH+4	Thorium IV	MKD_TH	Matrix Partition Coefficient for Thorium	38349	12-Jun-96	Y	1
Y		3478	TH+4	Thorium IV	MKD_TH	Matrix Partition Coefficient for Thorium	38349	12-Jun-96	Y	1
Y		3478	TH+4	Thorium IV	MKD_TH	Matrix Partition Coefficient for Thorium	38349	12-Jun-96	Y	1
Y		3478	TH+4	Thorium IV	MKD_TH	Matrix Partition Coefficient for Thorium	38349	12-Jun-96	Y	1
Y		3478	TH+4	Thorium IV	MKD_TH	Matrix Partition Coefficient for Thorium	38349	12-Jun-96	Y	1
Y		3479	U+4	Uranium IV	MKD_U	Matrix Partition Coefficient for Uranium	38350	12-Jun-96	Y	1
Y		3479	U+4	Uranium IV	MKD_U	Matrix Partition Coefficient for Uranium	38350	12-Jun-96	Y	1
Y		3479	U+4	Uranium IV	MKD_U	Matrix Partition Coefficient for Uranium	38350	12-Jun-96	Y	1
Y		3479	U+4	Uranium IV	MKD_U	Matrix Partition Coefficient for Uranium	38350	12-Jun-96	Y	1
Y		3479	U+4	Uranium IV	MKD_U	Matrix Partition Coefficient for Uranium	38350	12-Jun-96	-Y	1
Y		3480	PU+3	Plutonium III	MKD_PU	Matrix Partition Coefficient for Plutonium	38351	12-Jun-96	Y	1
Y		3480	PU+3	Plutonium III	MKD_PU	Matrix Partition Coefficient for Plutonium	38351	12-Jun-96	Y	1
Y		3480	PU+3	Plutonium III	MKD_PU	Matrix Partition Coefficient for Plutonium	38351	12-Jun-96	Y	1
Y		3480	PU+3	Plutonium III	MKD_PU	Matrix Partition Coefficient for Plutonium	38351	12-Jun-96	Y	1
Y		3480	PU+3	Plutonium III	MKD_PU	Matrix Partition Coefficient for Plutonium	38351	12-Jun-96	Y	1
Y		3481	PU+4	Plutonium IV	MKD_PU	Matrix Partition Coefficient for Plutonium	38352	12-Jun-96	Y	1
Y		3481	PU+4	Plutonium IV	MKD_PU	Matrix Partition Coefficient for Plutonium	38352	12-Jun-96	Y	1
Y		3481	PU+4	Plutonium IV	MKD_PU	Matrix Partition Coefficient for Plutonium	38352	12-Jun-96	Y	1
Y		3481	PU+4	Plutonium IV	MKD_PU	Matrix Partition Coefficient for Plutonium	38352	12-Jun-96	Y	1
Y		3481	PU+4	Plutonium IV	MKD_PU	Matrix Partition Coefficient for Plutonium	38352	12-Jun-96	Y	1
Y		3482	AM+3	Americium III	MKD_AM	Matrix Partition Coefficient for Americium	38353	12-Jun-96	Y	1

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to quality existing data? (footnote 3)
3475	1	UNIFORM	1.500000E-02	1.500000E-02	3.000000E-05	3.000000E-02	m³/kg	WPO35268	Y	N/A
3475	1	UNIFORM	1.500000E-02	1.500000E-02	3.000000E-05	3.000000E-02	m³/kg	WPO35269	Y	N/A
3475	1	UNIFORM	1.500000E-02	1.500000E-02	3.000000E-05	3.000000E-02	m³/kg	WPO38231	Y	N/A
3475	1	UNIFORM	1.500000E-02	1.500000E-02	3.000000E-05	3.000000E-02	m³/kg	WPO38801	Y	N/A
3475	1	UNIFORM	1.500000E-02	1.500000E-02	3.000000E-05	3.000000E-02	m³/kg	WPO41557	Y	N/A
3476	1	UNIFORM	1.000000E-01	1.000000E-01	1.000000E-03	2.000000E-01	m³/kg	WPO35268	Y	N/A
3476	1	UNIFORM	1.000000E-01	1.000000E-01	1.000000E-03	2.000000E-01	m³/kg	WPO35269	Y	N/A
3476	1	UNIFORM	1.000000E-01	1.000000E-01	1.000000E-03	2.000000E-01	m³/kg	WPO38231	Y	N/A
3476	1	UNIFORM	1.000000E-01	1.000000E-01	1.000000E-03	2.000000E-01	m³/kg	WPO38801	Y	N/A
3476	1	UNIFORM	1.000000E-01	1.000000E-01	1.000000E-03	2.000000E-01	m³/kg	WPO41557	Y	N/A
3477	1	UNIFORM	1.000000E+01	1.000000E+01	9.000000E-01	2.000000E+01	m³/kg	WPO35268	Y	N/A
3477	1	UNIFORM	1.000000E+01	1.000000E+01	9.000000E-01	2.000000E+01	m³/kg	WPO35269	Y	N/A
3477	1	UNIFORM	1.000000E+01	1.000000E+01	9.000000E-01	2.000000E+01	m³/kg	WPO38231	Y	N/A
3477	1	UNIFORM	1.000000E+01	1.000000E+01	9.000000E-01	2.000000E+01	m³/kg	WPO38801	Y	N/A
3477	1	UNIFORM	1.000000E+01	1.000000E+01	9.000000E-01	2.000000E+01	m³/kg	WPO41557	Y	N/A
3478	1	UNIFORM	1.000000E+01	1.000000E+01	9.000000E-01	2.000000E+01	m³/kg	WPO35268	Y	N/A
3478	1	UNIFORM	1.000000E+01	1.000000E+01	9.000000E-01	2.000000E+01	m³/kg	WPO35269	Y	N/A
3478	1	UNIFORM	1.000000E+01	1.000000E+01	9.000000E-01	2.000000E+01	m³/kg	WPO38231	Y	N/A
3478	1	UNIFORM	1.000000E+01	1.000000E+01	9.000000E-01	2.000000E+01	m³/kg	WPO38801	Y	N/A
3478	1	UNIFORM	1.000000E+01	1.000000E+01	9.000000E-01	2.000000E+01	m³/kg	WPO41557	Y	N/A
3479	1	UNIFORM	1.000000E+01	1.000000E+01	9.000000E-01	2.000000E+01	m³/kg	WPO35268	Y	N/A
3479	1	UNIFORM	1.000000E+01	1.000000E+01	9.000000E-01	2.000000E+01	m³/kg	WPO35269	Y	N/A
3479	1	UNIFORM	1.000000E+01	1.000000E+01	9.000000E-01	2.000000E+01	m³/kg	WPO38231	Y	N/A
3479	1	UNIFORM	1.000000E+01	1.000000E+01	9.000000E-01	2.000000E+01	m³/kg	WPO38801	Y	N/A
3479	1	UNIFORM	1.000000E+01	1.000000E+01	9.000000E-01	2.000000E+01	m³/kg	WPO41557	Y	N/A
3480	1	UNIFORM	2.600000E-01	2.600000E-01	2.000000E-02	5.000000E-01	m³/kg	WPO35268	Y	N/A
3480	1	UNIFORM	2.600000E-01	2.600000E-01	2.000000E-02	5.000000E-01	m³/kg	WPO35269	Y	N/A
3480	1	UNIFORM	2.600000E-01	2.600000E-01	2.000000E-02	5.000000E-01	m³/kg	WPO38231	Y	N/A
3480	1	UNIFORM	2.600000E-01	2.600000E-01	2.000000E-02	5.000000E-01	m³/kg	WPO38801	Y	N/A
3480	1	UNIFORM	2.600000E-01	2.600000E-01	2.000000E-02	5.000000E-01	m³/kg	WPO41557	Y	N/A
3481	1	UNIFORM	1.000000E+01	1.000000E+01	9.000000E-01	2.000000E+01	m³/kg	WPO35268	Y	N/A
3481	1	UNIFORM	1.000000E+01	1.000000E+01	9.000000E-01	2.000000E+01	m³/kg	WPO35269	Y	N/A
3481	1	UNIFORM	1.000000E+01	1.000000E+01	9.000000E-01	2.000000E+01	m³/kg	WPO38231	Y	N/A
3481	1	UNIFORM	1.000000E+01	1.000000E+01	9.000000E-01	2.000000E+01	m³/kg	WPO38801	Y	N/A
3481	1	UNIFORM	1.000000E+01	1.000000E+01	9.000000E-01	2.000000E+01	m³/kg	WPO41557	Y	N/A
3482	1	UNIFORM	2.600000E-01	2.600000E-01	2.000000E-02	5.000000E-01	m³/kg	WPO35268	Y	N/A

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Date Entry Date	Is the 454 constant with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		3482	AM+3	Americium III	MKD_AM	Matrix Partition Coefficient for Americium	38353	12-Jun-96	Y	1
Y		3482	AM+3	Americium III	MKD_AM	Matrix Partition Coefficient for Americium	38353	12-Jun-96	Y	1
Y		3482	AM+3	Americium III	MKD_AM	Matrix Partition Coefficient for Americium	38353	12-Jun-96	Y	1
Y		3482	AM+3	Americium III	MKD_AM	Matrix Partition Coefficient for Americium	38353	12-Jun-96	Y	1
Y	100	3483	CULEBRA	Culebra member of the Rustler formation	DISP_L	Longitudinal dispersivity	38354	12-Jun-96	Y	1
Y	100	3483	CULEBRA	Culebra member of the Rustler formation	DISP_L	Longitudinal dispersivity	38354	12-Jun-96	Y	1
Y	100	3483	CULEBRA	Culebra member of the Rustler formation	DISP_L	Longitudinal dispersivity	38354	12-Jun-96	Y	1
Y	100	3483	CULEBRA	Culebra member of the Rustler formation	DISP_L	Longitudinal dispersivity	38354	12-Jun-96	Y	1
Y	100	3483	CULEBRA	Culebra member of the Rustler formation	DISP_L	Longitudinal dispersivity	38354	12-Jun-96	Y	1
Y	100	3484	CULEBRA	Culebra member of the Rustler formation	DISPT_L	Transverse dispersivity	38355	12-Jun-96	Y	1
Y	100	3484	CULEBRA	Culebra member of the Rustler formation	DISPT_L	Transverse dispersivity	38355	12-Jun-96	Y	1
Y	100	3484	CULEBRA	Culebra member of the Rustler formation	DISPT_L	Transverse dispersivity	38355	12-Jun-96	Y	1
Y	100	3484	CULEBRA	Culebra member of the Rustler formation	DISPT_L	Transverse dispersivity	38355	12-Jun-96	Y	1
Y	100	3484	CULEBRA	Culebra member of the Rustler formation	DISPT_L	Transverse dispersivity	38355	12-Jun-96	Y	1
Y		3485	CULEBRA	Culebra member of the Rustler formation	HMBLKLT	Culebra Half Matrix-Block Length	38356	13-Jun-96	Y	1
Y		3485	CULEBRA	Culebra member of the Rustler formation	HMBLKLT	Culebra Half Matrix-Block Length	38356	13-Jun-96	Y	1
Y		3485	CULEBRA	Culebra member of the Rustler formation	HMBLKLT	Culebra Half Matrix-Block Length	38356	13-Jun-96	Y	1
Y		3485	CULEBRA	Culebra member of the Rustler formation	HMBLKLT	Culebra Half Matrix-Block Length	38356	13-Jun-96	Y	1
Y		3486	CULEBRA	Culebra member of the Rustler formation	DPOROS	Diffusive Porosity for Culebra Dolomite	38357	13-Jun-96	Y	1
Y		3486	CULEBRA	Culebra member of the Rustler formation	DPOROS	Diffusive Porosity for Culebra Dolomite	38357	13-Jun-96	Y	1
Y		3486	CULEBRA	Culebra member of the Rustler formation	DPOROS	Diffusive Porosity for Culebra Dolomite	38357	13-Jun-96	Y	1
Y		3486	CULEBRA	Culebra member of the Rustler formation	DPOROS	Diffusive Porosity for Culebra Dolomite	38357	13-Jun-96	Y	1
Y		3487	CULEBRA	Culebra member of the Rustler formation	APOROS	Culebra Advective Porosity	38358	14-Jun-96	Y	1
Y		3487	CULEBRA	Culebra member of the Rustler formation	APOROS	Culebra Advective Porosity	38358	14-Jun-96	Y	1
Y		3487	CULEBRA	Culebra member of the Rustler formation	APOROS	Culebra Advective Porosity	38358	14-Jun-96	Y	1
Y		3487	CULEBRA	Culebra member of the Rustler formation	APOROS	Culebra Advective Porosity	38358	14-Jun-96	Y	1

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
3482	1	UNIFORM	2.600000E-01	2.600000E-01	2.000000E-02	5.000000E-01	m³/kg	WPO35269	Y	N/A
3482	1	UNIFORM	2.600000E-01	2.600000E-01	2.000000E-02	5.000000E-01	m³/kg	WPO38231	Y	N/A
3482	1	UNIFORM	2.600000E-01	2.600000E-01	2.000000E-02	5.000000E-01	m³/kg	WPO38801	Y	N/A
3482	1	UNIFORM	2.600000E-01	2.600000E-01	2.000000E-02	5.000000E-01	m³/kg	WPO41557	Y	N/A
3483	3,4,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	m	WPO35270	Y	N/A
3483	3,4,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	m	WPO37230	Y	N/A
3483	3,4,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	m	WPO37231	Y	N/A
3483	3,4,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	m	WPO38941	Y	N/A
3483	3,4,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	m	WPO40434	Y	N/A
3484	3,4,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	m	WPO35270	Y	N/A
3484	3,4,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	m	WPO37230	Y	N/A
3484	3,4,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	m	WPO37231	Y	N/A
3484	3,4,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	m	WPO38941	Y	N/A
3484	3,4,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	m	WPO40434	Y	N/A
3485	1,3	UNIFORM	2.750000E-01	2.750000E-01	5.000000E-02	5.000000E-01	m	WPO35268	Y	1
3485	1,3	UNIFORM	2.750000E-01	2.750000E-01	5.000000E-02	5.000000E-01	m	WPO35597	Y	1
3485	1,3	UNIFORM	2.750000E-01	2.750000E-01	5.000000E-02	5.000000E-01	m	WPO37225	Y	1
3485	1,3	UNIFORM	2.750000E-01	2.750000E-01	5.000000E-02	5.000000E-01	m	WPO38928	Y	1
3486	1,3	CUMULATIVE	1.600000E-01	1.600000E-01	1.000000E-01	2.500000E-01	NONE	WPO35268	Y	1
3486	1,3	CUMULATIVE	1.600000E-01	1.600000E-01	1.000000E-01	2.500000E-01	NONE	WPO35597	Y	1
3486	1,3	CUMULATIVE	1.600000E-01	1.600000E-01	1.000000E-01	2.500000E-01	NONE	WPO37228	Y	1
3486	1,3	CUMULATIVE	1.600000E-01	1.600000E-01	1.000000E-01	2.500000E-01	NONE	WPO38773	Y	1
3487	1,3	LOGUNIFORM	2.100000E-03	1.000000E-03	1.000000E-04	1.000000E-02	NONE	WPO35268	Y	1
3487	1,3	LOGUNIFORM	2.100000E-03	1.000000E-03	1.000000E-04	1.000000E-02	NONE	WPO35597	Y	1
3487	1,3	LOGUNIFORM	2.100000E-03	1.000000E-03	1.000000E-04	1.000000E-02	NONE	WPO37227	Y	1
3487	1,3	LOGUNIFORM	2.100000E-03	1.000000E-03	1.000000E-04	1.000000E-02	NONE	WPO38928	Y	1

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 464 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		3488	REFCON	Reference Constant	AREA_ZRO	Area in Waste Panels Not Used For Disposal (CCDFGF Model)	38727	26-Jun-96	Y	4B
Y		3488	REFCON	Reference Constant	AREA_ZRO	Area in Waste Panels Not Used For Disposal (CCDFGF Model)	38727	26-Jun-96	Y	4B
Y		3489	REFCON	Reference Constant	AREA_CH	Area For CH Waste Disposal in CCDFGF Model	38728	26-Jun-96	Y	4B
Y		3489	REFCON	Reference Constant	AREA_CH	Area For CH Waste Disposal in CCDFGF Model	38728	26-Jun-96	Y	4B
Y		3490	REFCON	Reference Constant	VOLWP	Uncompacted Volume of Waste Panels in CCDFGF Model	38729	26-Jun-96	Y	4B
Y		3490	REFCON	Reference Constant	VOLWP	Uncompacted Volume of Waste Panels in CCDFGF Model	38729	26-Jun-96	Y	4B
Y		3491	GLOBAL	Information that applies globally	TA	Time Active Institutional Controls at WIPP Site Are Effective	38730	26-Jun-96	Y	4B
Y		3491	GLOBAL	Information that applies globally	TA	Time Active Institutional Controls at WIPP Site Are Effective	38730	26-Jun-96	Y	4B
Y		3492	REFCON	Reference Constant	FVV	Fraction of Repository Volume Occupied By Waste in CCDFGF Model	38731	28-Jun-96	Y	4B
Y		3492	REFCON	Reference Constant	FVV	Fraction of Repository Volume Occupied By Waste in CCDFGF Model	38731	28-Jun-96	Y	4B
Y		3492	REFCON	Reference Constant	FVV	Fraction of Repository Volume Occupied By Waste in CCDFGF Model	38731	28-Jun-96	Y	4B
Y		3493	GLOBAL	Information that applies globally	PBRINE	Prob. that Drilling Intrusion In Excavated Area Encounters Pressurized Brine	38732	26-Jun-96	Y	1
Y		3493	GLOBAL	Information that applies globally	PBRINE	Prob. that Drilling Intrusion In Excavated Area Encounters Pressurized Brine	38732	26-Jun-96	Y	1
Y		3493	GLOBAL	Information that applies globally	PBRINE	Prob. that Drilling Intrusion In Excavated Area Encounters Pressurized Brine	38732	26-Jun-96	Y	1
Y		3493	GLOBAL	Information that applies globally	PBRINE	Prob. that Drilling Intrusion In Excavated Area Encounters Pressurized Brine	38732	26-Jun-96	Y	1
Y		3494	GLOBAL	Information that applies globally	LAMBDA	Drilling Rate Per Unit Area	38733	26-Jun-96	Y	1
Y		3495	GLOBAL	Information that applies globally	PLGPAT	Index for Plugging Pattern After Drilling Intrusion	38734	26-Jun-96	Y	1
Y		3496	REFCON	Reference Constant	AREA_RM	Area for RM waste disposal in CCDFGF model	38735	27-Jun-96	Y	4B
Y		3496	REFCON	Reference Constant	AREA_RM	Area for RM waste disposal in CCDFGF model	38735	27-Jun-96	Y	4B
Y		3497	GLOBAL	Information that applies globally	MINERT	Mining rate from 40 CFR 194	38736	27-Jun-96	Y	1
Y		3498	GLOBAL	Information that applies globally	TPICM	Time over which passive institutional controls reduce rate of mining	38737	27-Jun-96	Y	4B
Y		3498	GLOBAL	Information that applies globally	TPICM	Time over which passive institutional controls reduce rate of mining	38737	27-Jun-96	Y	4B
Y		3499	GLOBAL	Information that applies globally	TPICD	Time over which passive institutional controls reduce rate of drilling	38738	27-Jun-96	Y	1
Y		3499	GLOBAL	Information that applies globally	TPICD	Time over which passive institutional controls reduce rate of drilling	38738	27-Jun-96	Y	1
Y		3500	GLOBAL	Information that applies globally	FPICM	PIC multiplicative factor for human intrusion by mining	38742	27-Jun-96	Y	4B
Y		3500	GLOBAL	Information that applies globally	FPICM	PIC multiplicative factor for human intrusion by mining	38742	27-Jun-96	Y	4B
Y		3500	GLOBAL	Information that applies globally	FPICM	PIC multiplicative factor for human intrusion by mining	38742	27-Jun-96	Y	4B
Y		3501	GLOBAL	Information that applies globally	FPICD	PIC multiplicative factor for human intrusion by drilling	38743	27-Jun-96	Y	4B

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
3488	1,3	CONSTANT	4.1330000E+03	4.1330000E+03	4.1330000E+03	4.1330000E+03	m^2	SAND92-0700/3	Y	N/A
3488	1,3	CONSTANT	4.1330000E+03	4.1330000E+03	4.1330000E+03	4.1330000E+03	m^2	WPO40524	Y	N/A
3489	1,3	CONSTANT	1.1150000E+05	1.1150000E+05	1.1150000E+05	1.1150000E+05	m^2	SAND92-0700/3	Y	N/A
3489	1,3	CONSTANT	1.1150000E+05	1.1150000E+05	1.1150000E+05	1.1150000E+05	m^2	WPO40524	Y	N/A
3490	1,3,4	CONSTANT	4.3600000E+05	4.3600000E+05	4.3600000E+05	4.3600000E+05	m^3	SAND92-0700/3	Y	N/A
3490	1,3,4	CONSTANT	4.3600000E+05	4.3600000E+05	4.3600000E+05	4.3600000E+05	m^3	WPO40524	Y	N/A
3491	3,4	CONSTANT	1.0000000E+02	1.0000000E+02	1.0000000E+02	1.0000000E+02	yr	FEDERAL REGISTER	Y	N/A
3491	3,4	CONSTANT	1.0000000E+02	1.0000000E+02	1.0000000E+02	1.0000000E+02	yr	WPO40524	Y	N/A
3492	1,3	CONSTANT	3.8600000E-01	3.8600000E-01	3.8600000E-01	3.8600000E-01	NONE	SAND92-0700/3	Y	N/A
3492	1,3	CONSTANT	3.8600000E-01	3.8600000E-01	3.8600000E-01	3.8600000E-01	NONE	WPO32328	Y	N/A
3492	1,3	CONSTANT	3.8600000E-01	3.8600000E-01	3.8600000E-01	3.8600000E-01	NONE	WPO40524	Y	N/A
3493	1,3	CONSTANT	8.0000000E-02	8.0000000E-02	8.0000000E-02	8.0000000E-02	NONE	MEMO:LEONARD/MARIETTA-2	Y	N/A
3493	1,3	CONSTANT	8.0000000E-02	8.0000000E-02	8.0000000E-02	8.0000000E-02	NONE	MEMO:LEONARD/MARIETTA-3	Y	N/A
3493	1,3	CONSTANT	8.0000000E-02	8.0000000E-02	8.0000000E-02	8.0000000E-02	NONE	WPO31235	Y	N/A
3493	1,3	CONSTANT	8.0000000E-02	8.0000000E-02	8.0000000E-02	8.0000000E-02	NONE	WPO40199	Y	N/A
3494	1,3	CONSTANT	4.6800000E-03	4.6800000E-03	4.6800000E-03	4.6800000E-03	km^2/yr	MEMO:LEONARD/MARIETTA	Y	N/A
3495	1,3	DELTA	0.0000000E+00	0.0000000E+00	1.0000000E+00	3.0000000E+00	NONE	MEMO:HOWARD/MARIETTA-C	Y	N/A
3496	1,3	CONSTANT	1.5760000E+04	1.5760000E+04	1.5760000E+04	1.5760000E+04	m^2	WPO34618	Y	N/A
3496	1,3	CONSTANT	1.5760000E+04	1.5760000E+04	1.5760000E+04	1.5760000E+04	m^2	WPO40524	Y	N/A
3497	4	CONSTANT	1.0000000E-04	1.0000000E-04	1.0000000E-04	1.0000000E-04	yr^-1	FEDERAL REGISTER	Y	N/A
3498	1,3,4	CONSTANT	6.0000000E+02	6.0000000E+02	6.0000000E+02	6.0000000E+02	yr	WPO38819	Y	N/A
3498	1,3,4	CONSTANT	6.0000000E+02	6.0000000E+02	6.0000000E+02	6.0000000E+02	yr	WPO40524	Y	N/A
3499	3,4	CONSTANT	6.0000000E+02	6.0000000E+02	6.0000000E+02	6.0000000E+02	yr	WPO38819	Y	1
3499	3,4	CONSTANT	6.0000000E+02	6.0000000E+02	6.0000000E+02	6.0000000E+02	yr	WPO42701	Y	1
3500	3,4	CONSTANT	1.0000000E-02	1.0000000E-02	1.0000000E-02	1.0000000E-02	NONE	WPO38819	Y	N/A
3500	3,4	CONSTANT	1.0000000E-02	1.0000000E-02	1.0000000E-02	1.0000000E-02	NONE	WPO40524	Y	N/A
3500	3,4	CONSTANT	1.0000000E-02	1.0000000E-02	1.0000000E-02	1.0000000E-02	NONE	WPO42701	Y	N/A
3501	3,4	CONSTANT	1.0000000E-02	1.0000000E-02	1.0000000E-02	1.0000000E-02	NONE	WPO38819	Y	N/A

CCA Parameter Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 444 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
Y		3501	GLOBAL	Information that applies globally	FPICD	PIC multiplicative factor for human intrusion by drilling	38743	27-Jun-96	Y	4B
Y		3501	GLOBAL	Information that applies globally	FPICD	PIC multiplicative factor for human intrusion by drilling	38743	27-Jun-96	Y	4B
Y		3502	REFCON	Reference Constant	HRH	Emplaced Height of Remote Handled Waste in CCDFGF Model	38744	27-Jun-96	Y	4B
Y		3502	REFCON	Reference Constant	HRH	Emplaced Height of Remote Handled Waste in CCDFGF Model	38744	27-Jun-96	Y	4B
Y		3503	REFCON	Reference Constant	ABERM	Area of Berm Placed Over Waste Panel	38745	27-Jun-96	Y	4B
Y		3503	REFCON	Reference Constant	ABERM	Area of Berm Placed Over Waste Panel	38745	27-Jun-96	Y	4B
Y		3503	REFCON	Reference Constant	ABERM	Area of Berm Placed Over Waste Panel	38745	27-Jun-96	Y	4B
N		9000	WAS_AREA	Waste Emplacement Area and Waste	HEIGHT	Crushed Panel Height (meters)	N/A	18-Feb-97		4B
N		9001	WAS_AREA	Waste Emplacement Area and Waste	PRESpan1	Brine Pressure at Intrusion Time: Region 1 (Updip)	N/A	18-Feb-97		4B
N		9002	WAS_AREA	Waste Emplacement Area and Waste	PRESpan2	Brine Pressure at Intrusion Time: Region2 (Up-Middle)	N/A	18-Feb-97		4B
N		9003	WAS_AREA	Waste Emplacement Area and Waste	PRESpan3	Brine Pressure at Intrusion Time: Region3 (Lower-Middle)	N/A	18-Feb-97		4B
N		9004	WAS_AREA	Waste Emplacement Area and Waste	PRESpan4	Brine Pressure at Intrusion Time: Region4 (Lower)	N/A	18-Feb-97		4B
N		9005	WAS_AREA	Waste Emplacement Area and Waste	GPRSPAN1	Gas Pressure at Intrusion Time: Region 1(Updip)	N/A	18-Feb-97		4B
N		9006	WAS_AREA	Waste Emplacement Area and Waste	GPRSPAN2	Gas Pressure at Intrusion Time: Region 2(Up-Middle)	N/A	18-Feb-97		4B
N		9007	WAS_AREA	Waste Emplacement Area and Waste	GPRSPAN3	Gas Pressure at Intrusion Time: Region 3(Lower-Middle)	N/A	18-Feb-97		4B
N		9008	WAS_AREA	Waste Emplacement Area and Waste	GPRSPAN4	Gas Pressure at Intrusion Time: Region 4(Lower)	N/A	18-Feb-97		4B
N		9009	WAS_AREA	Waste Emplacement Area and Waste	BSATPAN1	Brine Saturation at Intrusion Time: Region 1 (Updip)	N/A	18-Feb-97		4B
N		9010	WAS_AREA	Waste Emplacement Area and Waste	BSATPAN2	Brine Saturation at Intrusion Time: Region 2 (Up-Middle)	N/A	18-Feb-97		4B
N		9011	WAS_AREA	Waste Emplacement Area and Waste	BSATPAN3	Brine Saturation at Intrusion Time: Region 3 (Lower-Middle)	N/A	18-Feb-97		4B
N		9012	WAS_AREA	Waste Emplacement Area and Waste	BSATPAN4	Brine Saturation at Intrusion Time: Region 4 (Lower)	N/A	18-Feb-97		4B
N		9013	WAS_AREA	Waste Emplacement Area and Waste	GSATPAN1	Gas Saturation at Intrusion Time: Region1 (Updip)	N/A	18-Feb-97		4B
N		9014	WAS_AREA	Waste Emplacement Area and Waste	GSATPAN2	Gas Saturation at Intrusion Time: Region2 (Up-Middle)	N/A	18-Feb-97		4B
N		9015	WAS_AREA	Waste Emplacement Area and Waste	GSATPAN3	Gas Saturation at Intrusion Time: Region3 (Lower-Middle)	N/A	18-Feb-97		4B
N		9016	WAS_AREA	Waste Emplacement Area and Waste	GSATPAN4	Gas Saturation at Intrusion Time: Region4 (Lower)	N/A	18-Feb-97		4B
N		9017	DRZ_1	Disturbed Rock Zone: Time Period 0 to 1000 Years	HEIGHT	Crushed Panel Height (meters)	N/A	18-Feb-97		4B
N		9018	S_HALITE	Salado Halite, Intact	HEIGHT	Crushed Panel Height (meters)	N/A	18-Feb-97		4B
N		9019	PAN_SEAL	Panel Seal	HEIGHT	Crushed Panel Height (meters)	N/A	18-Feb-97		4B
N		9020	WELLBORE	None Given	INTR_TME	Intrusion Time	N/A	18-Feb-97		4B
N		9021	WELLBORE	None Given	BITSIZE	Drill Bit Diameter	N/A	18-Feb-97		4B
N		9022	WELLBORE	None Given	SKIN	Skin factor for well deliverability equation	N/A	18-Feb-97		4B
N		9023	WELLBORE	None Given	WELLPI	Well Productivity Index	N/A	18-Feb-97		4B
N		9024	WELLBORE	None Given	DRAINRAD	Equivalent Grid Drainage Radius	N/A	18-Feb-97		4B
N		9025	WELLBORE	None Given	PRM_OPEN	Abandoned E1 Well Open Borehole Perm: 0 to 200 yrs	N/A	18-Feb-97		4B
N		9026	WELLBORE	None Given	PRM_SAND	Abandoned E1 Well Sand Borehole Perm:200to 1200 yrs	N/A	18-Feb-97		4B
N		9027	WELLBORE	None Given	PRM_CREP	Abandoned E1 Well Creep Borehole Perm:1200 yrs on	N/A	18-Feb-97		4B

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to quality existing data? (footnote 3)
3501	3,4	CONSTANT	1.000000E-02	1.000000E-02	1.000000E-02	1.000000E-02	NONE	WPO40524	Y	N/A
3501	3,4	CONSTANT	1.000000E-02	1.000000E-02	1.000000E-02	1.000000E-02	NONE	WPO42701	Y	N/A
3502	1,3	CONSTANT	5.090000E-01	5.090000E-01	5.090000E-01	5.090000E-01	m	WID	Y	N/A
3502	1,3	CONSTANT	5.090000E-01	5.090000E-01	5.090000E-01	5.090000E-01	m	WPO40524	Y	N/A
3503	1,3	CONSTANT	6.285000E+05	6.285000E+05	6.285000E+05	6.285000E+05	m ²	WPO40133	Y	N/A
3503	1,3	CONSTANT	6.285000E+05	6.285000E+05	6.285000E+05	6.285000E+05	m ²	WPO40524	Y	N/A
3503	1,3	CONSTANT	6.285000E+05	6.285000E+05	6.285000E+05	6.285000E+05	m ²	WPO43751	Y	N/A
9000	3	CONSTANT	1.500000E+00	1.500000E+00	1.500000E+00	1.500000E+00	m	WPO40520		N/A
9001	3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Pa	WPO40520		N/A
9002	3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Pa	WPO40520		N/A
9003	3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Pa	WPO40520		N/A
9004	3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Pa	WPO40520		N/A
9005	3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Pa	WPO40520		N/A
9006	3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Pa	WPO40520		N/A
9007	3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Pa	WPO40520		N/A
9008	3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Pa	WPO40520		N/A
9009	3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40520		N/A
9010	3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40520		N/A
9011	3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40520		N/A
9012	3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40520		N/A
9013	3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40520		N/A
9014	3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40520		N/A
9015	3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40520		N/A
9016	3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40520		N/A
9017	3	CONSTANT	8.980000E+00	8.980000E+00	8.980000E+00	8.980000E+00	m	WPO40520		N/A
9018	3	CONSTANT	8.980000E+00	8.980000E+00	8.980000E+00	8.980000E+00	m	WPO40520		N/A
9019	3	CONSTANT	3.960000E+00	3.960000E+00	3.960000E+00	3.960000E+00	m	WPO40520		N/A
9020	3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	s	WPO40520		N/A
9021	3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	m	WPO40520		N/A
9022	3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40520		N/A
9023	3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	m ³ /s-Pa	WPO40520		N/A
9024	3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	m	WPO40520		N/A
9025	3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	m ²	WPO40520		N/A
9026	3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	m ²	WPO40520		N/A
9027	3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	m ²	WPO40520		N/A

CCA Parameter-Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 464 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
N		9028	WELLBORE	None Given	AREA_TOT	Total Area Solids removed by Cuttings/Cavings/Spallings	N/A	18-Feb-97		4B
N		9029	WELLBORE	None Given	VOLU_TOT	Total Volume Solids removed by Cuttings/Cavings/Spallings	N/A	18-Feb-97		4B
N		9030	WELLBORE	None Given	CAST_RE	Pressure in Castile Brine Res at Boundary: 10,000 yr model	N/A	18-Feb-97		4B
N		9031	WELLBORE	None Given	CAST_WB	Pressure in Castile Brine Res at Wellbore: 10,000 yr model	N/A	18-Feb-97		4B
N		9032	WELLBORE	None Given	PRM_CAST	Permeability in Castile Reservoir: 10,000 yr model	N/A	18-Feb-97		4B
N		9033	WELLBORE	None Given	WELL_PAN	Pressure at Wellbore in Panel: 10,000 yr model	N/A	18-Feb-97		4B
N		9034	REFCON	Reference Constant	DIP_DEG	Formation dip through excavated region	N/A	18-Feb-97		4B
N		9035		None Given	TIME	Start time for all Direct Brine Release Models	N/A			4B
N		9036		None Given	SATBREL	Initial Brine Saturation, Boundary Cond Well Elem	N/A			4B
N		9037	WELLBORE	None Given	EQ1_A	Contant for Equation 1 FBHP lookup function	N/A	18-Feb-97		4B
N		9038	WELLBORE	None Given	EQ1_B	Contant for Equation 1 FBHP lookup function	N/A	18-Feb-97		4B
N		9039	WELLBORE	None Given	EQ1_C	Contant for Equation 1 FBHP lookup function	N/A	18-Feb-97		4B
N		9040	WELLBORE	None Given	EQ1_D	Contant for Equation 1 FBHP lookup function	N/A	18-Feb-97		4B
N		9041	WELLBORE	None Given	EQ1_E	Contant for Equation 1 FBHP lookup function	N/A	18-Feb-97		4B
N		9042	WELLBORE	None Given	EQ2_A	Contant for Equation 2 FBHP lookup function	N/A	18-Feb-97		4B
N		9043	WELLBORE	None Given	EQ2_B	Contant for Equation 2 FBHP lookup function	N/A	18-Feb-97		4B
N		9044	WELLBORE	None Given	EQ2_C	Contant for Equation 2 FBHP lookup function	N/A	18-Feb-97		4B
N		9045	WELLBORE	None Given	EQ2_D	Contant for Equation 2 FBHP lookup function	N/A	18-Feb-97		4B
N		9046	WELLBORE	None Given	EQ2_E	Contant for Equation 2 FBHP lookup function	N/A	18-Feb-97		4B
N		9047	WELLBORE	None Given	EQ2_F	Contant for Equation 2 FBHP lookup function	N/A	18-Feb-97		4B
N		9048	WELLBORE	None Given	EQ2_G	Contant for Equation 2 FBHP lookup function	N/A	18-Feb-97		4B
N		9049	WELLBORE	None Given	EQ2_H	Contant for Equation 2 FBHP lookup function	N/A	18-Feb-97		4B
N		9050	WELLBORE	None Given	EQ3_A	Contant for Equation 3 FBHP lookup function	N/A	18-Feb-97		4B
N		9051	WELLBORE	None Given	EQ3_B	Contant for Equation 3 FBHP lookup function	N/A	18-Feb-97		4B
N		9052	WELLBORE	None Given	EQ3_C	Contant for Equation 3 FBHP lookup function	N/A	18-Feb-97	--	4B
N		9053	WELLBORE	None Given	EQ3_D	Contant for Equation 3 FBHP lookup function	N/A	18-Feb-97		4B
N		9054	WELLBORE	None Given	EQ3_E	Contant for Equation 3 FBHP lookup function	N/A	18-Feb-97		4B
N		9055	ALL	None Given	ZORIGIN	Sea-level Elevation of Repository at shaft	N/A	18-Feb-97		4B
N		9056	ALL	None Given	YORIGIN	Horizontal distance from Direct Rel meshnode (1,1) to shaft-m	N/A	18-Feb-97		4B
N		9057	WELLBORE	None Given	LEN_BC	Length of abandoned BH from Castile to repository	N/A	18-Feb-97		4B
N		9058	WELLBORE	None Given	PREV_TME	Previous E1 intrusion time	N/A	18-Feb-97		4B
N		9059	WELLBORE	None Given	WELPI_BC	Boundary condition well productivity index	N/A	18-Feb-97		4B
N		9060	WELLBORE	None Given	BHP_ABAN	Actual flowing pres for aban. E2 well used in BRAGFLO	N/A	18-Feb-97		4B
N		9061		None Given	PCUT	Boundary for press. above which spall effects possible	N/A	18-Feb-97		4B
N		9062		None Given	PR_MAX	Greatest repos. pore press. based on lithostatic pressure	N/A	18-Feb-97		4B
N		9063		None Given	PE_MAX	Greatest waste permeability considered	N/A	18-Feb-97		4B

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
9028	3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	m^2	WPO40520		N/A
9029	3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	m^2	WPO40520		N/A
9030	3	CONSTANT	1.700000E+07	1.700000E+07	1.700000E+07	1.700000E+07	Pa	WPO40520		N/A
9031	3	CONSTANT	1.700000E+07	1.700000E+07	1.700000E+07	1.700000E+07	Pa	WPO40520		N/A
9032	3	CONSTANT	1.000000E-12	1.000000E-12	1.000000E-12	1.000000E-12	m^2	WPO40520		N/A
9033	3	CONSTANT	1.400000E+07	1.400000E+07	1.400000E+07	1.400000E+07	Pa	WPO40520		N/A
9034	3	CONSTANT	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	degrees	WPO40520		N/A
9035	3		0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00		WPO40520		N/A
9036	3		1.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00		WPO40520		N/A
9037	3	CONSTANT	8.002580E+06	8.002580E+06	8.002580E+06	8.002580E+06	NONE	WPO40520		N/A
9038	3	CONSTANT	8.213800E+66	8.213800E+66	8.213800E+66	8.213800E+66	NONE	WPO40520		N/A
9039	3	CONSTANT	2.491610E-02	2.491610E-02	2.491610E-02	2.491610E-02	NONE	WPO40520		N/A
9040	3	CONSTANT	1.026480E-01	1.026480E-01	1.026480E-01	1.026480E-01	NONE	WPO40520		N/A
9041	3	CONSTANT	3.123580E-09	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40520		N/A
9042	3	CONSTANT	8.470830E+05	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40520		N/A
9043	3	CONSTANT	2.788150E+06	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40520		N/A
9044	3	CONSTANT	3.451060E+06	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40520		N/A
9045	3	CONSTANT	-5.488440E+04	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40520		N/A
9046	3	CONSTANT	-1.707950E-02	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40520		N/A
9047	3	CONSTANT	8.953600E-01	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40520		N/A
9048	3	CONSTANT	5.404150E-01	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40520		N/A
9049	3	CONSTANT	-4.936910E-09	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40520		N/A
9050	3	CONSTANT	8.921460E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40520		N/A
9051	3	CONSTANT	-2.274280E-01	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40520		N/A
9052	3	CONSTANT	1.368060E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40520		N/A
9053	3	CONSTANT	1.835010E+00	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40520		N/A
9054	3	CONSTANT	4.572620E-04	0.000000E+00	0.000000E+00	0.000000E+00	NONE	WPO40520		N/A
9055	3	CONSTANT	3.826710E+02	8.002580E+06	8.002580E+06	8.002580E+06	m	WPO40520		N/A
9056	3	CONSTANT	1.000000E+03	0.000000E+00	0.000000E+00	0.000000E+00	m	WPO40520		N/A
9057	3	CONSTANT	2.470000E+02	0.000000E+00	0.000000E+00	0.000000E+00	m	WPO40520		N/A
9058	3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	hrs	WPO40520		N/A
9059	3,5	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	m^3	WPO40520		N/A
9060	3	CONSTANT	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	Pa	WPO40520		N/A
9061	3	CONSTANT	8.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	MPa	WPO40521		N/A
9062	3	CONSTANT	1.500000E+01	0.000000E+00	0.000000E+00	0.000000E+00	MPa	WPO40521		N/A
9063	3	CONSTANT	1.000000E-12	0.000000E+00	0.000000E+00	0.000000E+00	m^2	WPO40521		N/A

-CCA-Parameter-Listing

Parameter in Database? (Y/N)	If the values used in CCA are not the same as in DB, provide % difference	ID	Material ID	Material Name	Parameter ID	Parameter Name	PRP ID (WPO #)	Data Entry Date	Is the 454 consistent with the parameter in DB? (Y, N/A)	Parameter Category (footnote 1)
N		9064		None Given	KCRIT	Waste permeability that separates blowout spill response from gas erosion and st	N/A	18-Feb-97		4B
N		9065		None Given	PGAS	Repository pore pressure that separates gas erosion and stuck pipe response in	N/A	18-Feb-97		4B
N		9066		None Given	SPECKEN	Activity conversion factor	N/A	18-Feb-97		3

Footnote 1: Parameter Category

1. Based on site specific information used as initial input to a WIPP PA numerical model that specifies the physical, chemical, or hydrologic properties of the rock formations, seals, backfills, and waste form, or any other natural or engineered feature.
2. Parameters representing the inventory of the waste to be emplaced in the WIPP as defined in the WIPP Baseline Inventory Report.
3. Parameters representing precisely known, tabulated physical constants.
- 4A. Parameters that are assigned based on a similarity of properties between similar materials or features.
- 4B. Parameters that are model configuration parameters not based on specific WIPP properties or features but are needed to make PA models run.
5. Parameters not used in current compliance calculations.

CCA Parameter Listing

ID	Classification of Data Category (footnote 2)	Distribution Type	Mean	Median	Minimum	Maximum	Units	Reference ID	Was the data developed under an NQA-1 Program?	Which methods were used to qualify existing data? (footnote 3)
9064	3	CONSTANT	1.0000000E-16	0.0000000E+00	0.0000000E+00	0.0000000E+00	m*2	WPO40521		N/A
9065	3	CONSTANT	1.0000000E+01	0.0000000E+00	0.0000000E+00	0.0000000E+00	MPa	WPO40521		N/A
9066	4	CONSTANT	1.1281700E+13	0.0000000E+00	0.0000000E+00	0.0000000E+00	Cune*s/gm	WPO40521		N/A

Footnote 2: Classification of Data Category

1. Site or Waste Specific
2. BIR
3. Professional Judgment
4. General Literature
5. General Engineering

Footnote 3: Methods Used to Qualify Existing Data

1. Peer Review
2. Corroborating Data
3. Confirmatory Testing
4. Demonstration that the data were collected under a quality assurance program equivalent to NQA-1/3.
5. If none of the above methods were used, then the data remain unqualified.
6. Non-WIPP published literature (includes journal articles, conference papers, textbooks, handbooks, etc.).
7. QED

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Appendix M2

Table from EPA Parameter Database: Additional Sources

Additional Sources

ID	Material ID	Param ID	Technical Traceability Documentation	
3310	AM	CONCINT	WPO#36771 Memo:Hans Papenguth to Christine Stockman "Colloidal Actinide Source Term parameters" 3/28/96	PRP WPO#35852 Table 4 "Mobile Colloidal Actinide Source Term 2 Actinide Intrinsic Colloids Hans Papenguth.
3312	NP	CONCINT	WPO#36771 Memo:Hans Papenguth to Christine Stockman "Colloidal Actinide Source Term parameters" 3/28/96	PRP WPO#35852 Table 4 "Mobile Colloidal Actinide Source Term 2 Actinide Intrinsic Colloids Hans Papenguth.
3319	TH	CONCINT	WPO#36771 Memo:Hans Papenguth to Christine Stockman "Colloidal Actinide Source Term parameters" 3/28/96	PRP WPO#35852 Table 4 "Mobile Colloidal Actinide Source Term 2 Actinide Intrinsic Colloids Hans Papenguth.
3307	U	CONCINT	WPO#36771 Memo:Hans Papenguth to Christine Stockman "Colloidal Actinide Source Term parameters" 3/28/96	PRP WPO#35852 Table 4 "Mobile Colloidal Actinide Source Term 2 Actinide Intrinsic Colloids Hans Papenguth.
3311	AM	PROPMIC	WPO#36771 Memo:Hans Papenguth to Christine Stockman "Colloidal Actinide Source Term parameters" 3/28/96	PRP WPO#35856 Table 6 "Mobile Colloidal Actinide Source Term 4 Microbes. Hans Papenguth.
3482	AM+3	MKD_AM	WPO#38801 memo L.H. Brush to M.S. Tierney June 10, 1996. Additional information is PRP WPO#38231.	WPO#40846 lists basis for recommendations of values
2283	ASPHALT	PRMX_LOG	WPO#30640: WIPP Shaft Seal System BRAGFLO Parameters, SWCF-A:1.1.03.2.1:QA:PDD Sec II Vol 2 2.2.1; Sec I Vol 4 4.5	Literature: Barth (1962) p. 229; Brown (1960) pg 27; Engelmann et al. (1989) p. 159; Zakar (1971) p. 15
2284	ASPHALT	PRMY_LOG	WPO#30640: WIPP Shaft Seal System BRAGFLO Parameters, SWCF-A:1.1.03.2.1:QA:PDD Sec II Vol 2 2.2.1; Sec I Vol 4 4.5	Literature: Barth (1962) p. 229; Brown (1960) p. 27; Engelmann et al. (1989) p. 159; Zakar (1971) p. 15
2285	ASPHALT	PRMZ_LOG	WPO#30640: WIPP Shaft Seal System BRAGFLO Parameters, SWCF-A:1.1.03.2.1:QA:PDD Sec II Vol. 2 2.2.1; Sec I Vol. 4 4.5	Literature: Barth (1962) p. 229; Brown (1960) p. 27; Engelmann et al. (1989) p. 159; Zakar (1971) p. 15
3173	BH_CREEP	REL_P_MOD	WPO#40514 Sec. 4.2.4 p. 4-166 (the BRAGFLO analysis write-up). REL_P_MOD is the relative permeability "model number" for the mixed Brooks and Corey model. Sec. 3.4.2 p. 3-23 gives discussion for implementation of model.	WPO#30703 WIPP PA User's Manual for BRAGFLO, Version 4.00 January 31, 1996, pg-115-116 lists 8 models for relative permeability.
3134	BH_OPEN	PRMX_LOG	WPO#35134 Memo:Vaughn to Tierney "Borehole Properties" 3/13/96" (handwritten 4 page note with parameter values - contains an email cover page).	Additional Info in WPO#36564 (this is the 464 form).
3186	BH_OPEN	PRMY_LOG	WPO#35134 Memo:Vaughn to Tierney "Borehole Properties" 3/13/96" (handwritten 4 page note with parameter values - contains an email cover page).	Additional Info in WPO#36649 (this is the 464 form).
3187	BH_OPEN	PRMZ_LOG	WPO#35134 Memo:Vaughn to Tierney "Borehole Properties" 3/13/96" (handwritten 4 page note with parameter values - contains an email cover page).	Additional Info in WPO#36650 (this is the 464 form).
3423	No EPA data			
3422	No EPA data			
3159	BH_SAND	POROSITY	WPO#35134 Memo:Vaughn to Tierney "Borehole Properties" 3/13/96" (handwritten 4 page note with parameter values - contains an email cover page).	

Additional-Sources

ID	Technical Traceability Documentation	
3310		
3312		
3319		
3307		
3311		
3482		
2283	WPO#30994 - Contains tables of BRAGFLO parameters used to model WIPP shaft seal system. Contains listings of the extent of DRZ and figures showing proposed seal design for WIPP Air Intake Shaft.	
2284	WPO#30994 - Contains tables of BRAGFLO parameters used to model WIPP shaft seal system. Contains listings of the extent of DRZ and figures showing proposed seal design for WIPP Air Intake Shaft.	
2285	WPO#30994 - Contains tables of BRAGFLO parameters used to model WIPP shaft seal system. Contains listings of the extent of DRZ and figures showing proposed seal design for WIPP Air Intake Shaft.	
3173	WPO#38367 S.W. Webb to P. Vaughn, August 29, 1995, "Mixed Brooks and Corey Two-Phase Characteristic Curves" Describes the correct model to use which is consistent with the relative permeability Model #4 described in WPO#30703.	SAND91-2378 SAND92-0700/3 (early discussions found here). WPO#35134 Memo:Vaughn to Tierney "Borehole Properties" 3/13/96" (handwritten 4 page note with parameter values - contains an email cover page).
3134	WPO#40514 3-52,53, and 4-159 "Analysis Package for the Salado Flow Calculations (Task1) of the PA Supporting Compliance Certification Application".	
3186	WPO#40514 3-52,53, and 4-159 "Analysis Package for the Salado Flow Calculations (Task1) of the PA Supporting Compliance Certification Application"	
3187	WPO#40514 3-52,53, and 4-159 "Analysis Package for the Salado Flow Calculations (Task1) of the PA Supporting Compliance Certification Application"	WPO#38568 states this is a 'legacy parameter' whose value appeared in the baseline WIPP Parameter database of March 2,1996.
3423		Not Used in CCA
3422		Not Used in CCA
3159		

Additional Sources

ID	Material ID	Param ID	Technical Traceability Documentation	
3171	BH_CREEP	POROSITY	WPO#35134 Memo:Vaughn to Tierney "Borehole Properties" 3/13/96" (handwritten 4 page note with parameter values - contains an email cover page).	
3135	BH_OPEN	POROSITY	WPO#35134 Memo:Vaughn to Tierney "Borehole Properties" 3/13/96" (handwritten 4 page note with parameter values - contains an email cover page).	
3184	BH_SAND	PRMX_LOG	Report WPO#39626 Records and documentation package for Permeability of Borehole filled with Silty Sand. Section 3.0 provides discussion on conceptual models of plugged boreholes. Section 6.0 provides a summary on the permeabilities.	WPO#41118 Freeze and Cherry, 1979, p29, Table 2.2 (silty sand). The borehole silty sand permeability derives from the 92PA pg 4-2 range -14.0 to -11.0.
3190	BH_SAND	PRMY_LOG	Report WPO#39626 Records and documentation package for Permeability of Borehole filled with Silty Sand. Section 3.0 provides discussion on conceptual models of plugged boreholes. Section 6.0 provides a summary on the permeabilities.	WPO#41118 Freeze and Cherry, 1979, p29, Table 2.2 (silty sand). The borehole silty sand permeability derives from the 92PA pg 4-2 range -14.0 to -11.0.
3191	BH_SAND	PRMZ_LOG	Report WPO#39626 Records and documentation package for Permeability of Borehole filled with Silty Sand. Section 3.0 provides discussion on conceptual models of plugged boreholes. Section 6.0 provides a summary on the permeabilities.	WPO#41118 Freeze and Cherry, 1979, p29, Table 2.2 (silty sand). The borehole silty sand permeability derives from the 92PA pg 4-2 range -14.0 to -11.0.
3259	BLOWOUT	APORO	WPO#30921 Memo: B.M. Butcher to M.S.Tierney 1/29/96	
3470	BLOWOUT	GAS_MIN	WPO#38214 Memo: Dan Stoelzel to Mel Marietta "Response to Westinghouse memo on Brine blowout duration" May 31,1996 (contains Dan Stoelzel's reasoning for selecting value).	Parameter value is based on Dan Stoelzel's discussion. He defines his position by citing other statistical data taken from drilling reports from within the Delaware Basin near the WIPP site.
3472	BLOWOUT	MINFLOW	WPO#38214 Memo: Dan Stoelzel to Mel Marietta "Response to Westinghouse memo on Brine blowout duration" May 31,1996 (contains Dan Stoelzel's reasoning for selecting value).	Parameter value is based on Dan Stoelzel's discussion. He defines his position by citing other statistical data taken from drilling reports from within the Delaware Basin near the WIPP site.
3456	BLOWOUT	RE_CAST	WPO#38217 Memo: Dan Stoelzel to Martin Tierney "Castile thickness and external drainage radius values for BRAGFLO-DBR" June 6, 1996 (number chosen because it represents physical dimensions of castile brine pocket reservoir (12.34m).	Memo: Larson to SWCF, "Rationale for Selection of Parameter 3456 value blowout re_cast 3/19/97 located in 464 defines how value was calculated.
3473	BLOWOUT	THCK_CAS	WPO#38217 Memo: Dan Stoelzel to Martin Tierney "Castile thickness and external drainage radius values for BRAGFLO-DBR" June 6, 1996 (number chosen because it represents physical dimensions of castile brine pocket reservoir (12.34m).	Memo: K Larson to SWCF "Rationale for value chosen for CCA Parameter 3473 blout thick_cast" located in 464 package. Value is based on data from and interpretation of WIPP-12 reservoir testing.
3245	BLOWOUT	CEMENT	Analysis Package for the Cuttings and Spalling Calculations WPO#40521 - Sec 7 "Input Parameters and Sources pg 39.	WPO#35695 by Barry M. Butcher, PI Parameter Package, Record 1.B.VII "Waste Cementation Strength is discussed in a Memo from Butcher to Memorandum of Record 5/30/96. Justification of value is discussed.

Additional-Sources

ID	Technical Traceability Documentation	
3171		
3135		
3184	SAND92-700/3 p. 4-6 which provides additional reference to Harar 1987, Table 1.8.1. WPO#41131 Inadvertent Intrusion Borehole Permeability (report).	
3190	SAND92-700/3 p. 4-6 which provides additional reference to Harar 1987, Table 1.8.1. WPO#41131 Inadvertent Intrusion Borehole Permeability (report).	
3191	SAND92-700/3 p. 4-6 which provides additional reference to Harar 1987, Table 1.8.1. WPO#41131 Inadvertent Intrusion Borehole Permeability (report).	
3259		
3470		
3472		
3456	Memo: Larson to Chu "Error in derivation of value for parameter 3456 blowout re_cast and impact assessment " 3/19/97, defines a mistake in Larson to SWCF memo and redefines the value.	
3473	Additional information WPO#38213 (this is the 464 form). WPO#42263 SAND96-2800 "Blowout Experiments using Fine-Grained Sands in an Axisymmetric Geometry" L. Lenke, J. Berglund, R. Cole 1997/7/32250 NMER UNM Mar96 p.27.	
3245	WPO#36723 Memo from J.W. Berglund to M.S.Tierney 4/17/96 suggests a value for this parameter. This memo supplements WPO#36766 (Berglund to Tierney 4/1/96 Parameters Required for the CUTTING-S Code) which did not include this parameter.	

Additional Sources

ID	Material ID	Param ID	Technical Traceability Documentation	
3256	BLOWOUT	FGE	WPO#36766 Memo: J.W. Berglund to M.S. Tierney "Parameters required for the CUTTING_S code for use in WIPP PA" 4/1/96 included in 464 package (states values were taken from a draft report SAND96-2800 prior to publication, pg 27).	WPO#36723 Corrections on memo from J.W. Berglund to M.S. Tierney 4/17/96 suggests a value for this parameter. WPO#42600 Memo: Martell to Lattier 11/21/96 lists WPO#42263 and WPO#35695 that refer to this parameter (located in 464 form)
3471	BLOWOUT	MAXFLOW	WPO#38214 Memo: Dan Stoelzel to Mel Marietta "Response to Westinghouse memo on brine blowout duration" May 31, 1996 (contains Dan Stoelzel's reasoning for selecting value).	Parameter value is based on Dan Stoelzel's discussion. He defines his position by citing other statistical data taken from drilling reports from within the Delaware Basin near the WIPP site.
3246	BLOWOUT	PARTDIA	Analysis Package for the Cuttings and Spalling Calculations WPO#40521 - Sec 7 "Input Parameters and Sources pg 39.	BLOWOUT: PARTDIA $d = 4.0E-5$ to 0.2 (m) uniform distribution
3247	BLOWOUT	RHOS	WPO#36766 Memo: J.W. Berglund to M.S. Tierney "Parameters required for the CUTTING_S code for use on WIPP PA" 4/1/96. Also see WPO#42600 contained in 464 Form.	WPO#42600 Memo: Martell to Lattier 11/21/96 which lists WPO numbers WPO#42263 and WPO#35695 that refer to this parameter (located in 464 form)
27	BOREHOLE	DOMEGA	Analysis Package for the Cuttings and Spalling Calculations WPO#40521- Sec 7 "Input Parameters and Sources" pg 39. WPO#38568 states this is a placeholder parameter.	BOREHOLE: DOMEGA DW=7.8 drilling string angular velocity (rad/s). Value cited in SAND92-0700/3 pg 4-2 as a constructed distribution with a range of 4.2-23.0 rad/s and median of 7.7 rad/s. Tech review has value of 7.8 rad/s in accordance with QAP 9-5.
34	BOREHOLE	PRMX_LOG	WPO#40514 Sec. 4.2.3 pg. 4-142 (the BRAGFLO analysis write-up).	WPO#38568 states this is a 'placeholder parameter' is a parameter whose value is not used by the BRAGFLO code, but is left in the database to facilitate the correct reading of all parameters for BRAGFLO from the SCMS files.
35	BOREHOLE	PRMY_LOG	WPO#40514 Sec. 4.2.3 pg. 4-142 (the BRAGFLO analysis write-up).	WPO#38568 states this is a 'placeholder parameter' is a parameter whose value is not used by the BRAGFLO code, but is left in the database to facilitate the correct reading of all parameters for BRAGFLO from the SCMS files.
36	BOREHOLE	PRMZ_LOG	WPO#40514 Sec. 4.2.3 pg. 4-142 (the BRAGFLO analysis write-up).	WPO#38568 states this is a 'placeholder parameter' is a parameter whose value is not used by the BRAGFLO code, but is left in the database to facilitate the correct reading of all parameters for BRAGFLO from the SCMS files.
2254	BOREHOLE	TAUFAIL	WPO#36766 Memo: J.W. Berglund to M.S. Tierney 4/1/96. Additional Info in WPO#36766.	WPO#36766 Memo: J.W. Berglund to M.S. Tierney "Parameters required for the CUTTING_S code for use in WIPP PA" 4/1/96 included in 464 package (states values were taken from a draft report SAND96-2800 prior to publication, pg 27).
3414	BOREHOLE	WUF	WPO#37061 Memo: L.C. Sanchez to M. Martell "Radionuclides for use in WIPP PA Calculations" 4/23/96	
43	BRINECST	COMPRES	Not used in 1996 CCA calculation.	
44	BRINECST	DNSFLUID	Not used in 1996 CCA calculation.	

Additional Sources

ID	Technical Traceability Documentation	
3256	WPO#35695 "Cuttings Release of Solids Caused by Blowout", WPO#42263 SAND96-2800 "Blowout Experiments using Fine-Grained Sands in an Axisymmetric Geometry" L. Lenke, J. Berglund, R. Cole 1997/7/32250 NMERl UNM Mar96 p.28. (Value was taken from this report)	WPO#36723 Memo from J.W. Berglund to M.S.Tierney 4/17/96 suggests a value for this parameter. This memo supplements WPO#36766 (Berglund to Tierney 4/1/96 Parameters Required for the CUTTING-S Code) which did not include this parameter.
3471		
3246	Based on peer reviewed waste permeability- Peer Review Report Engineered Systems	
3247	WPO#35695 "Cuttings Release of Solids Caused by Blowout", WPO#42263 SAND96-2800 "Blowout Experiments using Fine-Grained Sands in an Axisymmetric Geometry" L. Lenke, J. Berglund, R. Cole 1997/7/32250 NMERl UNM Mar96 p.28. (Value was taken from this report)	
27	Domega is directly traceable to SAND89-2408 Pg A-168 showing a graph of drilling speed percentages in RPM units. Values are converted to units of RAD/s. Data is from Barrid Drilling Fluids Co. field data. See EPA CCA Review Personnel Request Form 4/16/97.	Two references in SAND92-700/3 92 PA are to Pace, 1990 (Sand89-2408 pg A-165 to A-170), a memo from a person working in field, and to Austin, 1983 Drilling Engineering Handbook, Boston, MA, International Human Resources Dev. Corp.
34	WPO#41118 Freeze and Cherry, 1979, p29, Table 2.2.	
35	WPO#41118 Freeze and Cherry, 1979, p29, Table 2.2.	
36	WPO#41118 Freeze and Cherry, 1979, p29, Table 2.2.	
2254	35695, Cuttings Release of Solids Caused by Blowout". Value Taken From Parthenaicles, E. R. E Paaswell, 1970 "Erodability of Channels w/Cohesive Boundary "J. of Hydraulics Div. Proceedings of the ASCE Vol 96 No. HY3, 755-771.	
3414		
43	Not Used in CCA	
44	Not Used in CCA	

Additional Sources

ID	Material ID	Param ID	Technical Traceability Documentation	
48	BRINESAL	COMPRES	WPO#41247 pg 4-54 "WIPP Natural Barriers Data Qualification Peer Review Report" Aug 96 states value was generated from lab samples.	
49	BRINESAL	DNSFLUID	WPO#41247 pg 4-51 "WIPP Natural Barriers Data Qualification Peer Review Report" Aug 96 states value is the mean of 10 brine density sample values. Report lists DOE/WIPP87-010 Table 3-1, p27 as geochemical analysis results.	See parameter package
58	CASTILER	AREA_FRC	Not used in 1996 CCA calculation.	Changes in modeling made this parameter obsolete.
61	CASTILER	COMP_RCK	WPO#31084 SWCF-A:W:351.2.07.1:PDD:QA:Nonsalado Pkg 19:Castile Brine Reservoir Rock Compressibility. Additional info found in WPO#31561 located in Form 464.	WPO#41247 pg 5-1 "WIPP Natural Barriers Data Qualification Peer Review Report" Aug 96 states value was derived from laboratory strain tests and acoustic logs in borehole WIPP-12. High end of value was taken from Freeze and Cherry, Groundwater 1979.
3194	CASTILER	GRIDFLO	WPO#41662,Memo from Jon Helton to SWCF-A Records Center, "Clarification of CASTILER GRIDFLO (ID#3194) Parameter definition and Usage", Oct 30, 1996 (defines the 5 different brine pocket volumes) WPO#44401 has additional clarification (located in 464).	WPO#44401 has additional clarification (graphic roadmap located in 464). WPO#37147 Volume Probabilities Derivation (1/32 probability of occurring), WPO#37971 Supporting info and rationale, WPO#31070 Cr data values, Popielak et al, 1983, TME-3153 (V &P).
2608	CASTILER	KPT	WPO#40514, SWCF-A:1.2.07.4.1:PA:QA:CCA:Analysis Package for Salado Flow (Task 1) pg 4-149.	KPT is a flag that allows threshold capillary pressure to change with permeability. Since this feature is not used in the 1996 CCA calculation, the parameter value is specified as "0".
2599	ASPHALT	KPT	WPO#40514, SWCF-A:1.2.07.4.1:PA:QA:CCA:Analysis Package for Salado Flow (Task 1) pg 4-149.	KPT is a flag that allows threshold capillary pressure to change with permeability. Since this feature is not used in the 1996 CCA calculation, the parameter value is specified as "0".
2604	OPS_AREA	KPT	WPO#40514, SWCF-A:1.2.07.4.1:PA:QA:CCA:Analysis Package for Salado Flow (Task 1) pg 4-150 through 4-159.	KPT is a flag that allows threshold capillary pressure to change with permeability. Since this feature is not used in the 1996 CCA calculation, the parameter value is specified as "0".
2612	CAVITY_1	KPT	WPO#40514, SWCF-A:1.2.07.4.1:PA:QA:CCA:Analysis Package for Salado Flow (Task 1) pg 4-149	KPT is a flag that allows threshold capillary pressure to change with permeability. Since this feature is not used in the 1996 CCA calculation, the parameter value is specified as "0".
2616	CAVITY_2	KPT	WPO#40514, SWCF-A:1.2.07.4.1:PA:QA:CCA:Analysis Package for Salado Flow (Task 1) pg 4-150 through 4-159.	KPT is a flag that allows threshold capillary pressure to change with permeability. Since this feature is not used in the 1996 CCA calculation, the parameter value is specified as "0".
2620	CAVITY_3	KPT	WPO#40514, SWCF-A:1.2.07.4.1:PA:QA:CCA:Analysis Package for Salado Flow (Task 1) pg 4-150 through 4-159.	KPT is a flag that allows threshold capillary pressure to change with permeability. Since this feature is not used in the 1996 CCA calculation, the parameter value is specified as "0".

Additional Sources

ID	Technical Traceability Documentation	
48		
49		
58		
61		
3194	WPO#30994 - Contains tables of BRAGFLO parameters used to model WIPP shaft seal system. Contains listings of the extent of DRZ and figures showing proposed seal design for WIPP Air Intake Shaft.	
2608		
2599	WPO#30994 - Contains tables of BRAGFLO parameters used to model WIPP shaft seal system. Contains listings of the extent of DRZ and figures showing proposed seal design for WIPP Air Intake Shaft.	
2604		
2612	Memo:Vaughn to Tierney 2/14/96 Constant Values for CAVITY 1,2,3,4, Parameters,	
2616	Memo:Vaughn to Tierney 2/14/96 Constant Values for CAVITY 1,2,3,4, Parameters	
2620	Memo:Vaughn to Tierney 2/14/96 Constant Values for CAVITY 1,2,3,4, Parameters	

Additional Sources

ID	Material ID	Param ID	Technical Traceability Documentation	
2625	CAVITY_4	KPT	WPO#40514, SWCF- A:1.2.07.4.1:PA:QA:CCA:Analysis Package for Salado Flow (Task 1) pg 4-150 through 4-159.	KPT is a flag that allows threshold capillary pressure to change with permeability. Since this feature is not used in the 1996 CCA calculation, the parameter value is specified as "0".
2636	CLAY_BOT	KPT	WPO#40514, SWCF- A:1.2.07.4.1:PA:QA:CCA:Analysis Package for Salado Flow (Task 1) pg 4-150 through 4-159.	KPT is a flag that allows threshold capillary pressure to change with permeability. Since this feature is not used in the 1996 CCA calculation, the parameter value is specified as "0".
2641	CL_L_T1	KPT	WPO#40514, SWCF- A:1.2.07.4.1:PA:QA:CCA:Analysis Package for Salado Flow (Task 1) pg 4-149.	KPT is a flag that allows threshold capillary pressure to change with permeability. Since this feature is not used in the 1996 CCA calculation, the parameter value is specified as "0".
2646	CL_L_T2	KPT	WPO#40514, SWCF- A:1.2.07.4.1:PA:QA:CCA:Analysis Package for Salado Flow (Task 1) pg 4-150 through 4-159.	KPT is a flag that allows threshold capillary pressure to change with permeability. Since this feature is not used in the 1996 CCA calculation, the parameter value is specified as "0".
2651	CL_L_T3	KPT	WPO#40514, SWCF- A:1.2.07.4.1:PA:QA:CCA:Analysis Package for Salado Flow (Task 1) pg 4-150 through 4-159.	KPT is a flag that allows threshold capillary pressure to change with permeability. Since this feature is not used in the 1996 CCA calculation, the parameter value is specified as "0".
2656	CL_M_T1	KPT	WPO#40514, SWCF- A:1.2.07.4.1:PA:QA:CCA:Analysis Package for Salado Flow (Task 1) pg 4-150 through 4-159.	KPT is a flag that allows threshold capillary pressure to change with permeability. Since this feature is not used in the 1996 CCA calculation, the parameter value is specified as "0".
2661	CL_M_T2	KPT	WPO#40514, SWCF- A:1.2.07.4.1:PA:QA:CCA:Analysis Package for Salado Flow (Task 1) pg 4-150 through 4-159.	KPT is a flag that allows threshold capillary pressure to change with permeability. Since this feature is not used in the 1996 CCA calculation, the parameter value is specified as "0".
2666	CL_M_T3	KPT	WPO#40514, SWCF- A:1.2.07.4.1:PA:QA:CCA:Analysis Package for Salado Flow (Task 1) pg 4-150 through 4-159.	KPT is a flag that allows threshold capillary pressure to change with permeability. Since this feature is not used in the 1996 CCA calculation, the parameter value is specified as "0".
2671	CL_M_T4	KPT	WPO#40514, SWCF- A:1.2.07.4.1:PA:QA:CCA:Analysis Package for Salado Flow (Task 1) pg 4-150 through 4-159.	KPT is a flag that allows threshold capillary pressure to change with permeability. Since this feature is not used in the 1996 CCA calculation, the parameter value is specified as "0".
2676	CL_M_T5	KPT	WPO#40514, SWCF- A:1.2.07.4.1:PA:QA:CCA:Analysis Package for Salado Flow (Task 1) pg 4-150 through 4-159.	KPT is a flag that allows threshold capillary pressure to change with permeability. Since this feature is not used in the 1996 CCA calculation, the parameter value is specified as "0".
2681	CONC_T1	KPT	WPO#40514, SWCF- A:1.2.07.4.1:PA:QA:CCA:Analysis Package for Salado Flow (Task 1) pg 4-150 through 4-159.	KPT is a flag that allows threshold capillary pressure to change with permeability. Since this feature is not used in the 1996 CCA calculation, the parameter value is specified as "0".

Additional Sources

ID	Technical Traceability Documentation	
2625	Memo:Vaughn to Tierney 2/14/96 Constant Values for CAVITY 1,2,3,4, Parameters	
2636		
2641	WPO#30994 - Contains tables of BRAGFLO parameters used to model WIPP shaft seal system. Contains listings of the extent of DRZ and figures showing proposed seal design for WIPP Air Intake Shaft.	
2646	WPO#30994 - Contains tables of BRAGFLO parameters used to model WIPP shaft seal system. Contains listings of the extent of DRZ and figures showing proposed seal design for WIPP Air Intake Shaft.	
2651	WPO#30994 - Contains tables of BRAGFLO parameters used to model WIPP shaft seal system. Contains listings of the extent of DRZ and figures showing proposed seal design for WIPP Air Intake Shaft.	
2656	WPO#30994 - Contains tables of BRAGFLO parameters used to model WIPP shaft seal system. Contains listings of the extent of DRZ and figures showing proposed seal design for WIPP Air Intake Shaft.	
2661	WPO#30994 - Contains tables of BRAGFLO parameters used to model WIPP shaft seal system. Contains listings of the extent of DRZ and figures showing proposed seal design for WIPP Air Intake Shaft.	
2666	WPO#30994 - Contains tables of BRAGFLO parameters used to model WIPP shaft seal system. Contains listings of the extent of DRZ and figures showing proposed seal design for WIPP Air Intake Shaft.	
2671	WPO#30994 - Contains tables of BRAGFLO parameters used to model WIPP shaft seal system. Contains listings of the extent of DRZ and figures showing proposed seal design for WIPP Air Intake Shaft.	
2676	WPO#30994 - Contains tables of BRAGFLO parameters used to model WIPP shaft seal system. Contains listings of the extent of DRZ and figures showing proposed seal design for WIPP Air Intake Shaft.	
2681	WPO#30994 - Contains tables of BRAGFLO parameters used to model WIPP shaft seal system. Contains listings of the extent of DRZ and figures showing proposed seal design for WIPP Air Intake Shaft.	

Additional Sources

ID	Material ID	Param ID	Technical Traceability Documentation	
2686	CONC_T2	KPT	WPO#40514, SWCF-A:1.2.07.4.1:PA:QA:CCA:Analysis Package for Salado Flow (Task 1) pg 4-150 through 4-159.	KPT is a flag that allows threshold capillary pressure to change with permeability. Since this feature is not used in the 1996 CCA calculation, the parameter value is specified as "0".
2691	CULEBRA	KPT	WPO#40514, SWCF-A:1.2.07.4.1:PA:QA:CCA:Analysis Package for Salado Flow (Task 1) pg 4-149.	KPT is a flag that allows threshold capillary pressure to change with permeability. Since this feature is not used in the 1996 CCA calculation, the parameter value is specified as "0".
2696	DEWYLAKE	KPT	WPO#40514, SWCF-A:1.2.07.4.1:PA:QA:CCA:Analysis Package for Salado Flow (Task 1) pg 4-149.	KPT is a flag that allows threshold capillary pressure to change with permeability. Since this feature is not used in the 1996 CCA calculation, the parameter value is specified as "0".
2701	DRZ_0	KPT	WPO#40514, SWCF-A:1.2.07.4.1:PA:QA:CCA:Analysis Package for Salado Flow (Task 1) pg 4-149.	KPT is a flag that allows threshold capillary pressure to change with permeability. Since this feature is not used in the 1996 CCA calculation, the parameter value is specified as "0".
2706	EARTH	KPT	WPO#40514, SWCF-A:1.2.07.4.1:PA:QA:CCA:Analysis Package for Salado Flow (Task 1) pg 4-149.	KPT is a flag that allows threshold capillary pressure to change with permeability. Since this feature is not used in the 1996 CCA calculation, the parameter value is specified as "0".
2711	EXP_AREA	KPT	WPO#40514, SWCF-A:1.2.07.4.1:PA:QA:CCA:Analysis Package for Salado Flow (Task 1) pg 4-150.	KPT is a flag that allows threshold capillary pressure to change with permeability. Since this feature is not used in the 1996 CCA calculation, the parameter value is specified as "0".
2715	FORTYNIN	KPT	WPO#40514, SWCF-A:1.2.07.4.1:PA:QA:CCA:Analysis Package for Salado Flow (Task 1) pg 4-150 through 4-159.	KPT is a flag that allows threshold capillary pressure to change with permeability. Since this feature is not used in the 1996 CCA calculation, the parameter value is specified as "0".
2720	IMPERM_Z	KPT	WPO#40514, SWCF-A:1.2.07.4.1:PA:QA:CCA:Analysis Package for Salado Flow (Task 1) pg 4-150.	KPT is a flag that allows threshold capillary pressure to change with permeability. Since this feature is not used in the 1996 CCA calculation, the parameter value is specified as "0".
2725	MAGENTA	KPT	WPO#40514, SWCF-A:1.2.07.4.1:PA:QA:CCA:Analysis Package for Salado Flow (Task 1) pg 4-150 through 4-159.	KPT is a flag that allows threshold capillary pressure to change with permeability. Since this feature is not used in the 1996 CCA calculation, the parameter value is specified as "0".
2731	PAN_SEAL	KPT	WPO#40514, SWCF-A:1.2.07.4.1:PA:QA:CCA:Analysis Package for Salado Flow (Task 1) pg 4-150 through 4-159.	KPT is a flag that allows threshold capillary pressure to change with permeability. Since this feature is not used in the 1996 CCA calculation, the parameter value is specified as "0".
2736	REPOSIT	KPT	WPO#40514, SWCF-A:1.2.07.4.1:PA:QA:CCA:Analysis Package for Salado Flow (Task 1) pg 4-150.	KPT is a flag that allows threshold capillary pressure to change with permeability. Since this feature is not used in the 1996 CCA calculation, the parameter value is specified as "0".

Additional Sources

ID	Technical Traceability Documentation	
2686	WPO#30994 - Contains tables of BRAGFLO parameters used to model WIPP shaft seal system. Contains listings of the extent of DRZ and figures showing proposed seal design for WIPP Air Intake Shaft.	
2691	WPO#30994 - Contains tables of BRAGFLO parameters used to model WIPP shaft seal system. Contains listings of the extent of DRZ and figures showing proposed seal design for WIPP Air Intake Shaft.	
2696		
2701		
2706	WPO#30994 - Contains tables of BRAGFLO parameters used to model WIPP shaft seal system. Contains listings of the extent of DRZ and figures showing proposed seal design for WIPP Air Intake Shaft.	
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Additional Sources

ID	Material ID	Param ID	Technical Traceability Documentation	
2744	SALT_T1	KPT	WPO#40514, SWCF-A:1.2.07.4.1:PA:QA:CCA:Analysis Package for Salado Flow (Task 1) pg 4-150.	KPT is a flag that allows threshold capillary pressure to change with permeability. Since this feature is not used in the 1996 CCA calculation, the parameter value is specified as "0".
2749	SALT_T2	KPT	WPO#40514, SWCF-A:1.2.07.4.1:PA:QA:CCA:Analysis Package for Salado Flow (Task 1) pg 4-150 through 4-159.	KPT is a flag that allows threshold capillary pressure to change with permeability. Since this feature is not used in the 1996 CCA calculation, the parameter value is specified as "0".
2754	SALT_T3	KPT	WPO#40514, SWCF-A:1.2.07.4.1:PA:QA:CCA:Analysis Package for Salado Flow (Task 1) pg 4-150 through 4-159.	KPT is a flag that allows threshold capillary pressure to change with permeability. Since this feature is not used in the 1996 CCA calculation, the parameter value is specified as "0".
2759	SALT_T4	KPT	WPO#40514, SWCF-A:1.2.07.4.1:PA:QA:CCA:Analysis Package for Salado Flow (Task 1) pg 4-150 through 4-159.	KPT is a flag that allows threshold capillary pressure to change with permeability. Since this feature is not used in the 1996 CCA calculation, the parameter value is specified as "0".
2764	SALT_T5	KPT	WPO#40514, SWCF-A:1.2.07.4.1:PA:QA:CCA:Analysis Package for Salado Flow (Task 1) pg 4-150 through 4-159.	KPT is a flag that allows threshold capillary pressure to change with permeability. Since this feature is not used in the 1996 CCA calculation, the parameter value is specified as "0".
2768	SANTAROS	KPT	WPO#40514, SWCF-A:1.2.07.4.1:PA:QA:CCA:Analysis Package for Salado Flow (Task 1) pg 4-150 through 4-159.	KPT is a flag that allows threshold capillary pressure to change with permeability. Since this feature is not used in the 1996 CCA calculation, the parameter value is specified as "0".
2773	S_ANH_AB	KPT	WPO#40514, SWCF-A:1.2.07.4.1:PA:QA:CCA:Analysis Package for Salado Flow (Task 1) pg 4-150 through 4-159.	KPT is a flag that allows threshold capillary pressure to change with permeability. Since this feature is not used in the 1996 CCA calculation, the parameter value is specified as "0".
2778	S_HALITE	KPT	WPO#40514, SWCF-A:1.2.07.4.1:PA:QA:CCA:Analysis Package for Salado Flow (Task 1) pg 4-150.	KPT is a flag that allows threshold capillary pressure to change with permeability. Since this feature is not used in the 1996 CCA calculation, the parameter value is specified as "0".
2783	S_MB138	KPT	WPO#40514, SWCF-A:1.2.07.4.1:PA:QA:CCA:Analysis Package for Salado Flow (Task 1) pg 4-150 through 4-159.	KPT is a flag that allows threshold capillary pressure to change with permeability. Since this feature is not used in the 1996 CCA calculation, the parameter value is specified as "0".
2788	S_MB139	KPT	WPO#40514, SWCF-A:1.2.07.4.1:PA:QA:CCA:Analysis Package for Salado Flow (Task 1) pg 4-150.	KPT is a flag that allows threshold capillary pressure to change with permeability. Since this feature is not used in the 1996 CCA calculation, the parameter value is specified as "0".
2793	TAMARISK	KPT	WPO#40514, SWCF-A:1.2.07.4.1:PA:QA:CCA:Analysis Package for Salado Flow (Task 1) pg 4-150 through 4-159.	KPT is a flag that allows threshold capillary pressure to change with permeability. Since this feature is not used in the 1996 CCA calculation, the parameter value is specified as "0".

Additional Sources

ID	Technical Traceability Documentation	
2744	WPO#30994 - Contains tables of BRAGFLO parameters used to model WIPP shaft seal system. Contains listings of the extent of DRZ and figures showing proposed seal design for WIPP Air Intake Shaft.	
2749	WPO#30994 - Contains tables of BRAGFLO parameters used to model WIPP shaft seal system. Contains listings of the extent of DRZ and figures showing proposed seal design for WIPP Air Intake Shaft.	
2754	WPO#30994 - Contains tables of BRAGFLO parameters used to model WIPP shaft seal system. Contains listings of the extent of DRZ and figures showing proposed seal design for WIPP Air Intake Shaft.	
2759	WPO#30994 - Contains tables of BRAGFLO parameters used to model WIPP shaft seal system. Contains listings of the extent of DRZ and figures showing proposed seal design for WIPP Air Intake Shaft.	
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Additional-Sources

ID	Material ID	Param ID	Technical Traceability Documentation	
2799	UNNAMED	KPT	WPO#40514, SWCF-A:1.2.07.4.1:PA:QA:CCA:Analysis Package for Salado Flow (Task 1) pg 4-150 through 4-159.	KPT is a flag that allows threshold capillary pressure to change with permeability. Since this feature is not used in the 1996 CCA calculation, the parameter value is specified as "0".
2804	WAS_AREA	KPT	WPO#40514, SWCF-A:1.2.07.4.1:PA:QA:CCA:Analysis Package for Salado Flow (Task 1) pg 4-150 through 4-159.	KPT is a flag that allows threshold capillary pressure to change with permeability. Since this feature is not used in the 1996 CCA calculation, the parameter value is specified as "0".
2985	SALT_T6	KPT	WPO#40514, SWCF-A:1.2.07.4.1:PA:QA:CCA:Analysis Package for Salado Flow (Task 1) pg 4-150 through 4-159.	KPT is a flag that allows threshold capillary pressure to change with permeability. Since this feature is not used in the 1996 CCA calculation, the parameter value is specified as "0".
3002	CLAY_RUS	KPT	WPO#40514, SWCF-A:1.2.07.4.1:PA:QA:CCA:Analysis Package for Salado Flow (Task 1) pg 4-150 through 4-159.	KPT is a flag that allows threshold capillary pressure to change with permeability. Since this feature is not used in the 1996 CCA calculation, the parameter value is specified as "0".
3053	CONC_MON	KPT	WPO#40514, SWCF-A:1.2.07.4.1:PA:QA:CCA:Analysis Package for Salado Flow (Task 1) pg 4-149.	KPT is a flag that allows threshold capillary pressure to change with permeability. Since this feature is not used in the 1996 CCA calculation, the parameter value is specified as "0".
3072	CL_L_T4	KPT	WPO#40514, SWCF-A:1.2.07.4.1:PA:QA:CCA:Analysis Package for Salado Flow (Task 1) pg 4-150 through 4-159.	KPT is a flag that allows threshold capillary pressure to change with permeability. Since this feature is not used in the 1996 CCA calculation, the parameter value is specified as "0".
3116	DRZ_1	KPT	WPO#40514, SWCF-A:1.2.07.4.1:PA:QA:CCA:Analysis Package for Salado Flow (Task 1) pg 4-149.	KPT is a flag that allows threshold capillary pressure to change with permeability. Since this feature is not used in the 1996 CCA calculation, the parameter value is specified as "0".
3122	BOREHOLE	KPT		KPT is a flag that allows threshold capillary pressure to change with permeability. Since this feature is not used in the 1996 CCA calculation, the parameter value is specified as "0".
3144	BH_OPEN	KPT	WPO#40514, SWCF-A:1.2.07.4.1:PA:QA:CCA:Analysis Package for Salado Flow (Task 1) pg 4-150 through 4-159.	KPT is a flag that allows threshold capillary pressure to change with permeability. Since this feature is not used in the 1996 CCA calculation, the parameter value is specified as "0".
3156	CONC_PLG	KPT	WPO#40514, SWCF-A:1.2.07.4.1:PA:QA:CCA:Analysis Package for Salado Flow (Task 1) pg 4-150 through 4-159.	KPT is a flag that allows threshold capillary pressure to change with permeability. Since this feature is not used in the 1996 CCA calculation, the parameter value is specified as "0".
3168	BH_SAND	KPT	WPO#40514, SWCF-A:1.2.07.4.1:PA:QA:CCA:Analysis Package for Salado Flow (Task 1) pg 4-150 through 4-159.	KPT is a flag that allows threshold capillary pressure to change with permeability. Since this feature is not used in the 1996 CCA calculation, the parameter value is specified as "0".

Additional Sources

ID	Technical Traceability Documentation	
2799		
2804		
2985		
3002	WPO#30994 - Contains tables of BRAGFLO parameters used to model WIPP shaft seal system. Contains listings of the extent of DRZ and figures showing proposed seal design for WIPP Air Intake Shaft.	
3053	WPO#30994 - Contains tables of BRAGFLO parameters used to model WIPP shaft seal system. Contains listings of the extent of DRZ and figures showing proposed seal design for WIPP Air Intake Shaft.	
3072		
3116		
3122		
3144	WPO#35134 Memo:Vaughn to Tierney "Borehole Properties" 3/13/96" (handwritten 4 page note with parameter values - contains an email cover page).	
3156	WPO#35134 Memo:Vaughn to Tierney "Borehole Properties" 3/13/96" (handwritten 4 page note with parameter values - contains an email cover page).	
3168	WPO#35134 Memo:Vaughn to Tierney "Borehole Properties" 3/13/96" (handwritten 4 page note with parameter values - contains an email cover page).	

Additional Sources

ID	Material ID	Param ID	Technical Traceability Documentation	
3180	BH_CREEP	KPT	WPO#40514, SWCF-A:1.2.07.4.1:PA:QA:CCA:Analysis Package for Salado Flow (Task 1) pg 4-150 through 4-159.	KPT is a flag that allows threshold capillary pressure to change with permeability. Since this feature is not used in the 1996 CCA calculation, the parameter value is specified as "0".
62	CASTILER	PC_MAX	WPO#30703 WIPP PA User's Manual (V1.01) for BRAGFLO, Version 4.00 January 31, 1996 pg 115-116. Pg 115 gives a discussion for PC_MAX with the recommended value (1.0 E8 Pa). Pg. 116 gives a discussion on the CAP_MOD models for capillary pressure;	WPO#40514 pg 3-25 states "...Capillary pressure is an unbounded function as brine saturation approaches residual brine saturation. (PC_Max =1.0E8 Pa) and is a large number chosen to represent infinity, in a modeling sense based on analyst's experience.
64	CASTILER	POROSITY	WPO#41247 pg 3-1 (table), pg 5-6. States there were 3 measured values/student T distribution - used mean value for porosity. T-distribution was run on 3 anhydrite samples located north of WIPP. A conservative porosity value was established.	WPO#31083 SWCF-A:1.2.07.1:PDD:QA:Nonsalado:Pkg 19. Castile Brine Reservoir Porosity
66	CASTILER	PRESSURE	WPO#31072 Memo: Freeze, Larson to Tierney. Additional info WPO#31612. See attachment 2 in 464 Form (original interpretation by M. Tierney 1/12/96). See attachment 3 in 464 Form (suggested changes by Geoff Freeze 1/24/96).	WPO#41247, pg 5-9 "WIPP Natural Barriers Data Qualification Peer Review Report" states pressures were measured at various wells, WIPP-12 well was most representative. 85% estimation of this wells pressure was used for value.
67	CASTILER	PRMX_LOG	WPO#31070 SWCF-A:1.2.07.1:PDD:Nonsalado:Pkg 19: Castile Brine reservoir Permeability. Additional info in WPO#31613, WPO#31614, WPO#31615.	PI PRP WPO#31083
68	CASTILER	PRMY_LOG	WPO#31070 SWCF-A:1.2.07.1:PDD:Nonsalado:Pkg 19: Castile Brine reservoir Permeability. Additional info in WPO#31613, WPO#31614, WPO#31615.	PI PRP WPO#31083
69	CASTILER	PRMZ_LOG	WPO#31070 SWCF-A:1.2.07.1:PDD:Nonsalado:Pkg 19: Castile Brine reservoir Permeability. Additional info in WPO#31613, WPO#31614, WPO#31615.	PI PRP WPO#31083
2918	CASTILER	VOLUME	WPO#31082 SWCFA:1.2.07.1:PDD:Nonsalado:Pkg 19: Castile Brine Reservoir Volume.	WPO#37149 Memo: Larson to Tierney 3/20/96 discusses meeting held on contiguous reservoirs and a new volume value to use.
2994	CELLULS	FBETA	WPO#35162, Memo from Yifeng Wang and Larry Brush to Martin S.Tierney, Jan 26,1996; "Estimates of Gas-Generation Parameters for the Long-Term WIPP Performance Assessment" P.9, Table 1 (with SI conversion described on 464 Form).	Raw data found in WPO#42357 and WPO#38474
2334	CL_L_T1	PRMX_LOG	WPO#41809 Sec 4.6 p.4-36. WPO#30994 - Contains tables of BRAGFLO parameters used to model WIPP shaft seal system. Contains listings of the extent of DRZ and figures showing proposed seal design for WIPP Air Intake Shaft.	WPO#30640 WIPP Shaft Seal System BRAGFLO Parameters, SWCF-A:1.1.03.2.1:QA:PDD Sec II Vol 2, 2.1.1; Sec I Vol 4 4.2.

Additional Sources

ID	Technical Traceability Documentation	
3180	WPO#35134 Memo:Vaughn to Tierney "Borehole Properties" 3/13/96" (handwritten 4 page note with parameter values - contains an email cover page).	
62	WPO#40514 Sec. 4.2.4 pg 4-150 (the BRAGFLO analysis write-up) CASTILER:PC_MAX - 1.0 E8. CASTILER:PC_MAX = 1.0E8 (pg 3-25) Maximum capillary pressure is controlled by CAP-MOD and is bounded by PC_MAX.	WPO#38568 states this is a 'legacy parameter' whose value appeared in the baseline WIPP Parameter database of March 2, 1996.
64	WPO#31175 PI PRP - has table in back that lists many references used for various WPO numbers.	40434
66		
67	WPO#41247, pg 5-14 "WIPP Natural Barriers Data Qualification Peer Review Report" states permeability was based on testing of Castile wells near WIPP. GTFM code was used.	
68	WPO#41247, pg 5-14 "WIPP Natural Barriers Data Qualification Peer Review Report" states permeability was based on testing of Castile wells near WIPP. GTFM code was used.	
69	WPO#41247, pg 5-14 "WIPP Natural Barriers Data Qualification Peer Review Report" states permeability was based on testing of Castile wells near WIPP. GTFM code was used.	
2918	WPO#41247, pg 5-18 "WIPP Natural Barriers Data Qualification Peer Review Report" states volumes were based on brine collected during testing and estimates of brine release during open borehole periods.	
2994	WPO#30994 - Contains tables of BRAGFLO parameters used to model WIPP shaft seal system. Contains listings of the extent of DRZ and figures showing proposed seal design for WIPP Air Intake Shaft.	
2334	Literature: Cheung et al. (1987) pg 406, Knowles and Howard (1996) pg 5, Pusch et al. (1987) pg 61, Ran and Daemen (1965) pg 1; Data packages Knowles (1995) WPO#28745	

Additional Sources

ID	Material ID	Param ID	Technical Traceability Documentation	
2335	CL_L_T1	PRMY_LOG	WPO#41809 Sec 4.6 p.4-36. WPO#30994 - Contains tables of BRAGFLO parameters used to model WIPP shaft seal system. Contains listings of the extent of DRZ and figures showing proposed seal design for WIPP Air Intake Shaft.	WPO#30640: WIPP Shaft Seal System BRAGFLO Parameters, SWCF-A:1.1.03.2.1:QA:PDD Sec II Vol 2, 2.1.1; Sec I Vol 4 4.2.
2336	CL_L_T1	PRMZ_LOG	WPO#41809 Sec 4.6 p.4-36. WPO#30994 - Contains tables of BRAGFLO parameters used to model WIPP shaft seal system. Contains listings of the extent of DRZ and figures showing proposed seal design for WIPP Air Intake Shaft.	WPO#30640: WIPP Shaft Seal System BRAGFLO Parameters, SWCF-A:1.1.03.2.1:QA:PDD Sec II Vol 2, 2.1.1; Sec I Vol 4 4.2.
3009	CLAY_RUS	PRMX_LOG	WPO#41809 Sec 4.6 p.4-36. WPO#30994 - Contains tables of BRAGFLO parameters used to model WIPP shaft seal system. Contains listings of the extent of DRZ and figures showing proposed seal design for WIPP Air Intake Shaft.	WPO#30640: WIPP Shaft Seal System BRAGFLO Parameters, SWCF-A:1.1.03.2.1:QA:PDD Sec II Vol 2, 2.1.1; Sec I Vol 4 4.2.
3010	CLAY_RUS	PRMY_LOG	WPO#41809 Sec 4.6 p.4-36. WPO#30994 - Contains tables of BRAGFLO parameters used to model WIPP shaft seal system. Contains listings of the extent of DRZ and figures showing proposed seal design for WIPP Air Intake Shaft.	WPO#30640: WIPP Shaft Seal System BRAGFLO Parameters, SWCF-A:1.1.03.2.1:QA:PDD Sec II Vol 2, 2.1.1; Sec I Vol 4 4.2.
3011	CLAY_RUS	PRMZ_LOG	WPO#41809 Sec 4.6 p.4-36. WPO#30994 - Contains tables of BRAGFLO parameters used to model WIPP shaft seal system. Contains listings of the extent of DRZ and figures showing proposed seal design for WIPP Air Intake Shaft.	WPO#30640: WIPP Shaft Seal System BRAGFLO Parameters, SWCF-A:1.1.03.2.1:QA:PDD Sec II Vol 2, 2.1.1; Sec I Vol 4 4.2.
2351	CL_L_T2	PRMX_LOG	WPO#41809 Sec 4.6 p.4-36. WPO#30994 - Contains tables of BRAGFLO parameters used to model WIPP shaft seal system. Contains listings of the extent of DRZ and figures showing proposed seal design for WIPP Air Intake Shaft.	WPO#30640: WIPP Shaft Seal System BRAGFLO Parameters, SWCF-A:1.1.03.2.1:QA:PDD Sec II Vol 2, 2.1.1; Sec I Vol 4 4.2.
2352	CL_L_T2	PRMY_LOG	WPO#41809 Sec 4.6 p.4-36. WPO#30994 - Contains tables of BRAGFLO parameters used to model WIPP shaft seal system. Contains listings of the extent of DRZ and figures showing proposed seal design for WIPP Air Intake Shaft.	WPO#30640: WIPP Shaft Seal System BRAGFLO Parameters, SWCF-A:1.1.03.2.1:QA:PDD Sec II Vol 2, 2.1.1; Sec I Vol 4 4.2.
2353	CL_L_T2	PRMZ_LOG	WPO#41809 Sec 4.6 p.4-36. WPO#30994 - Contains tables of BRAGFLO parameters used to model WIPP shaft seal system. Contains listings of the extent of DRZ and figures showing proposed seal design for WIPP Air Intake Shaft.	WPO#30640: WIPP Shaft Seal System BRAGFLO Parameters, SWCF-A:1.1.03.2.1:QA:PDD Sec II Vol 2, 2.1.1; Sec I Vol 4 4.2.
2368	CL_L_T3	PRMX_LOG	WPO#41809 Sec 4.6 p.4-36. WPO#30994 - Contains tables of BRAGFLO parameters used to model WIPP shaft seal system. Contains listings of the extent of DRZ and figures showing proposed seal design for WIPP Air Intake Shaft.	WPO#30640: WIPP Shaft Seal System BRAGFLO Parameters, SWCF-A:1.1.03.2.1:QA:PDD Sec II Vol 2, 2.1.1; Sec I Vol 4 4.2.

Additional Sources

ID	Technical Traceability Documentation	
2335	Literature: Cheung et al. (1987) pg 406, knowles and Howard (1996) pg 5, Pusch et al. (1987) pg 61, Ran and Daemen (1965) pg 1; Data packages Knowles (1995) WPO#28745	
2336	Literature: Cheung et al. (1987) pg 406, knowles and Howard (1996) pg 5, Pusch et al. (1987) pg 61, Ran and Daemen (1965) pg 1; Data packages Knowles (1995) WPO#28745	
3009	Literature: Cheung et al. (1987) pg 406, knowles and Howard (1996) pg 5, Pusch et al. (1987) pg 61, Ran and Daemen (1965) pg 1; Data packages Knowles (1995) WPO#28745	
3010	Literature: Cheung et al. (1987) pg 406, knowles and Howard (1996) pg 5, Pusch et al. (1987) pg 61, Ran and Daemen (1965) pg 1; Data packages Knowles (1995) WPO#28745	
3011	Literature: Cheung et al. (1987) pg 406, knowles and Howard (1996) pg 5, Pusch et al. (1987) pg 61, Ran and Daemen (1965) pg 1; Data packages Knowles (1995) WPO#28745	
2351	Literature: Cheung et al. (1987) pg 406, knowles and Howard (1996) pg 5, Pusch et al. (1987) pg 61, Ran and Daemen (1965) pg 1; Data packages Knowles (1995) WPO#28745	
2352	Literature: Cheung et al. (1987) pg 406, knowles and Howard (1996) pg 5, Pusch et al. (1987) pg 61, Ran and Daemen (1965) pg 1; Data packages Knowles (1995) WPO#28745	
2353	Literature: Cheung et al. (1987) pg 406, knowles and Howard (1996) pg 5, Pusch et al. (1987) pg 61, Ran and Daemen (1965) pg 1; Data packages Knowles (1995) WPO#28745	
2368	Literature: Cheung et al. (1987) pg 406, knowles and Howard (1996) pg 5, Pusch et al. (1987) pg 61, Ran and Daemen (1965) pg 1; Data packages Knowles (1995) WPO#28745	

Additional Sources

ID	Material ID	Param ID	Technical Traceability Documentation	
2370	CL_L_T3	PRMZ_LOG	WPO#41809 Sec 4.6 p.4-36. WPO#30994 - Contains tables of BRAGFLO parameters used to model WIPP shaft seal system. Contains listings of the extent of DRZ and figures showing proposed seal design for WIPP Air Intake Shaft.	WPO#30640: WIPP Shaft Seal System BRAGFLO Parameters, SWCF-A:1.1.03.2.1:QA:PDD Sec II Vol 2, 2.1.1; Sec I Vol 4 4.2.
3078	CL_L_T4	PRMX_LOG	WPO#41809 Sec 4.6 p.4-36. WPO#30994 - Contains tables of BRAGFLO parameters used to model WIPP shaft seal system. Contains listings of the extent of DRZ and figures showing proposed seal design for WIPP Air Intake Shaft.	WPO#30640: WIPP Shaft Seal System BRAGFLO Parameters, SWCF-A:1.1.03.2.1:QA:PDD Sec II Vol 2, 2.1.1; Sec I Vol 4 4.2.
3079	CL_L_T4	PRMY_LOG	WPO#41809 Sec 4.6 p.4-36. WPO#30994 - Contains tables of BRAGFLO parameters used to model WIPP shaft seal system. Contains listings of the extent of DRZ and figures showing proposed seal design for WIPP Air Intake Shaft.	WPO#30640: WIPP Shaft Seal System BRAGFLO Parameters, SWCF-A:1.1.03.2.1:QA:PDD Sec II Vol 2, 2.1.1; Sec I Vol 4 4.2.
3080	CL_L_T4	PRMZ_LOG	WPO#41809 Sec 4.6 p.4-36. WPO#30994 - Contains tables of BRAGFLO parameters used to model WIPP shaft seal system. Contains listings of the extent of DRZ and figures showing proposed seal design for WIPP Air Intake Shaft.	WPO#30640: WIPP Shaft Seal System BRAGFLO Parameters, SWCF-A:1.1.03.2.1:QA:PDD Sec II Vol 2, 2.1.1; Sec I Vol 4 4.2.
2385	CL_M_T1	PRMX_LOG	WPO#41809 Sec 4.6 p.4-36. WPO#30994 - Contains tables of BRAGFLO parameters used to model WIPP shaft seal system. Contains listings of the extent of DRZ and figures showing proposed seal design for WIPP Air Intake Shaft.	WPO#30640: WIPP Shaft Seal System BRAGFLO Parameters, SWCF-A:1.1.03.2.1:QA:PDD Sec II Vol 2, 2.1.1; Sec I Vol 4 4.2.
2386	CL_M_T1	PRMY_LOG	WPO#41809 Sec 4.6 p.4-36. WPO#30994 - Contains tables of BRAGFLO parameters used to model WIPP shaft seal system. Contains listings of the extent of DRZ and figures showing proposed seal design for WIPP Air Intake Shaft.	WPO#30640: WIPP Shaft Seal System BRAGFLO Parameters, SWCF-A:1.1.03.2.1:QA:PDD Sec II Vol 2, 2.1.1; Sec I Vol 4 4.2.
2387	CL_M_T1	PRMZ_LOG	WPO#41809 Sec 4.6 p.4-36. WPO#30994 - Contains tables of BRAGFLO parameters used to model WIPP shaft seal system. Contains listings of the extent of DRZ and figures showing proposed seal design for WIPP Air Intake Shaft.	WPO#30640: WIPP Shaft Seal System BRAGFLO Parameters, SWCF-A:1.1.03.2.1:QA:PDD Sec II Vol 2, 2.1.1; Sec I Vol 4 4.2.
2402	CL_M_T2	PRMX_LOG	WPO#41809 Sec 4.6 p.4-36. WPO#30994 - Contains tables of BRAGFLO parameters used to model WIPP shaft seal system. Contains listings of the extent of DRZ and figures showing proposed seal design for WIPP Air Intake Shaft.	WPO#30640: WIPP Shaft Seal System BRAGFLO Parameters, SWCF-A:1.1.03.2.1:QA:PDD Sec II Vol 2, 2.1.1; Sec I Vol 4 4.2.
2403	CL_M_T2	PRMY_LOG	WPO#41809 Sec 4.6 p.4-36. WPO#30994 - Contains tables of BRAGFLO parameters used to model WIPP shaft seal system. Contains listings of the extent of DRZ and figures showing proposed seal design for WIPP Air Intake Shaft.	WPO#30640: WIPP Shaft Seal System BRAGFLO Parameters, SWCF-A:1.1.03.2.1:QA:PDD Sec II Vol 2, 2.1.1; Sec I Vol 4 4.2.

Additional Sources

ID	Technical Traceability Documentation	
2370	Literature: Cheung et al. (1987) pg 406, knowles and Howard (1996) pg 5, Pusch et al. (1987) pg 61, Ran and Daemen (1965) pg 1; Data packages Knowles (1995) WPO#28745	
3078	Literature: Cheung et al. (1987) pg 406, knowles and Howard (1996) pg 5, Pusch et al. (1987) pg 61, Ran and Daemen (1965) pg 1; Data packages Knowles (1995) WPO#28745	
3079	Literature: Cheung et al. (1987) pg 406, knowles and Howard (1996) pg 5, Pusch et al. (1987) pg 61, Ran and Daemen (1965) pg 1; Data packages Knowles (1995) WPO#28745	
3080	Literature: Cheung et al. (1987) pg 406, knowles and Howard (1996) pg 5, Pusch et al. (1987) pg 61, Ran and Daemen (1965) pg 1; Data packages Knowles (1995) WPO#28745	
2385	Literature: Cheung et al. (1987) pg 406, knowles and Howard (1996) pg 5, Pusch et al. (1987) pg 61, Ran and Daemen (1965) pg 1; Data packages Knowles (1995) WPO#28745	
2386	Literature: Cheung et al. (1987) pg 406, knowles and Howard (1996) pg 5, Pusch et al. (1987) pg 61, Ran and Daemen (1965) pg 1; Data packages Knowles (1995) WPO#28745	
2387	Literature: Cheung et al. (1987) pg 406, knowles and Howard (1996) pg 5, Pusch et al. (1987) pg 61, Ran and Daemen (1965) pg 1; Data packages Knowles (1995) WPO#28745	
2402	Literature: Cheung et al. (1987) pg 406, knowles and Howard (1996) pg 5, Pusch et al. (1987) pg 61, Ran and Daemen (1965) pg 1; Data packages Knowles (1995) WPO#28745	
2403	Literature: Cheung et al. (1987) pg 406, knowles and Howard (1996) pg 5, Pusch et al. (1987) pg 61, Ran and Daemen (1965) pg 1; Data packages Knowles (1995) WPO#28745	

Additional Sources

ID	Material ID	Param ID	Technical Traceability Documentation	
2404	CL_M_T2	PRMZ_LOG	WPO#41809 Sec 4.6 p.4-36. WPO#30994 - Contains tables of BRAGFLO parameters used to model WIPP shaft seal system. Contains listings of the extent of DRZ and figures showing proposed seal design for WIPP Air Intake Shaft.	WPO#30640: WIPP Shaft Seal System BRAGFLO Parameters, SWCF-A:1.1.03.2.1:QA:PDD Sec II Vol 2, 2.1.1; Sec I Vol 4 4.2.
2419	CL_M_T3	PRMX_LOG	WPO#41809 Sec 4.6 p.4-36. WPO#30994 - Contains tables of BRAGFLO parameters used to model WIPP shaft seal system. Contains listings of the extent of DRZ and figures showing proposed seal design for WIPP Air Intake Shaft.	WPO#30640: WIPP Shaft Seal System BRAGFLO Parameters, SWCF-A:1.1.03.2.1:QA:PDD Sec II Vol 2, 2.1.1; Sec I Vol 4 4.2.
2420	CL_M_T3	PRMY_LOG	WPO#41809 Sec 4.6 p.4-36. WPO#30994 - Contains tables of BRAGFLO parameters used to model WIPP shaft seal system. Contains listings of the extent of DRZ and figures showing proposed seal design for WIPP Air Intake Shaft.	WPO#30640: WIPP Shaft Seal System BRAGFLO Parameters, SWCF-A:1.1.03.2.1:QA:PDD Sec II Vol 2, 2.1.1; Sec I Vol 4 4.2.
2421	CL_M_T3	PRMZ_LOG	WPO#41809 Sec 4.6 p.4-36. WPO#30994 - Contains tables of BRAGFLO parameters used to model WIPP shaft seal system. Contains listings of the extent of DRZ and figures showing proposed seal design for WIPP Air Intake Shaft.	WPO#30640: WIPP Shaft Seal System BRAGFLO Parameters, SWCF-A:1.1.03.2.1:QA:PDD Sec II Vol 2, 2.1.1; Sec I Vol 4 4.2.
2436	CL_M_T4	PRMX_LOG	WPO#41809 Sec 4.6 p.4-36. WPO#30994 - Contains tables of BRAGFLO parameters used to model WIPP shaft seal system. Contains listings of the extent of DRZ and figures showing proposed seal design for WIPP Air Intake Shaft.	WPO#30640: WIPP Shaft Seal System BRAGFLO Parameters, SWCF-A:1.1.03.2.1:QA:PDD Sec II Vol 2, 2.1.1; Sec I Vol 4 4.2.
2437	CL_M_T4	PRMY_LOG	WPO#41809 Sec 4.6 p.4-36. WPO#30994 - Contains tables of BRAGFLO parameters used to model WIPP shaft seal system. Contains listings of the extent of DRZ and figures showing proposed seal design for WIPP Air Intake Shaft.	WPO#30640: WIPP Shaft Seal System BRAGFLO Parameters, SWCF-A:1.1.03.2.1:QA:PDD Sec II Vol 2, 2.1.1; Sec I Vol 4 4.2.
2438	CL_M_T4	PRMZ_LOG	WPO#41809 Sec 4.6 p.4-36. WPO#30994 - Contains tables of BRAGFLO parameters used to model WIPP shaft seal system. Contains listings of the extent of DRZ and figures showing proposed seal design for WIPP Air Intake Shaft.	WPO#30640: WIPP Shaft Seal System BRAGFLO Parameters, SWCF-A:1.1.03.2.1:QA:PDD Sec II Vol 2, 2.1.1; Sec I Vol 4 4.2.
2317	CLAY_BOT	PRMX_LOG	WPO#41809 Sec 4.6 p.4-36. WPO#30994 - Contains tables of BRAGFLO parameters used to model WIPP shaft seal system. Contains listings of the extent of DRZ and figures showing proposed seal design for WIPP Air Intake Shaft.	WPO#30640: WIPP Shaft Seal System BRAGFLO Parameters, SWCF-A:1.1.03.2.1:QA:PDD Sec II Vol 2, 2.1.1; Sec I Vol 4 4.2.
2318	CLAY_BOT	PRMY_LOG	WPO#41809 Sec 4.6 p.4-36. WPO#30994 - Contains tables of BRAGFLO parameters used to model WIPP shaft seal system. Contains listings of the extent of DRZ and figures showing proposed seal design for WIPP Air Intake Shaft.	WPO#30640: WIPP Shaft Seal System BRAGFLO Parameters, SWCF-A:1.1.03.2.1:QA:PDD Sec II Vol 2, 2.1.1; Sec I Vol 4 4.2.

Additional Sources

ID	Technical Traceability Documentation
2404	Literature: Cheung et al. (1987) pg 406, knowles and Howard (1996) pg 5, Pusch et al. (1987) pg 61, Ran and Daemen (1965) pg 1; Data packages Knowles (1995) WPO#28745
2419	Literature: Cheung et al. (1987) pg 406, knowles and Howard (1996) pg 5, Pusch et al. (1987) pg 61, Ran and Daemen (1965) pg 1; Data packages Knowles (1995) WPO#28745
2420	Literature: Cheung et al. (1987) pg 406, knowles and Howard (1996) pg 5, Pusch et al. (1987) pg 61, Ran and Daemen (1965) pg 1; Data packages Knowles (1995) WPO#28745
2421	Literature: Cheung et al. (1987) pg 406, knowles and Howard (1996) pg 5, Pusch et al. (1987) pg 61, Ran and Daemen (1965) pg 1; Data packages Knowles (1995) WPO#28745
2436	Literature: Cheung et al. (1987) pg 406, knowles and Howard (1996) pg 5, Pusch et al. (1987) pg 61, Ran and Daemen (1965) pg 1; Data packages Knowles (1995) WPO#28745
2437	Literature: Cheung et al. (1987) pg 406, knowles and Howard (1996) pg 5, Pusch et al. (1987) pg 61, Ran and Daemen (1965) pg 1; Data packages Knowles (1995) WPO#28745
2438	Literature: Cheung et al. (1987) pg 406, knowles and Howard (1996) pg 5, Pusch et al. (1987) pg 61, Ran and Daemen (1965) pg 1; Data packages Knowles (1995) WPO#28745
2317	Literature: Cheung et al. (1987) pg 406, knowles and Howard (1996) pg 5, Pusch et al. (1987) pg 61, Ran and Daemen (1965) pg 1; Data packages Knowles (1995) WPO#28745
2318	Literature: Cheung et al. (1987) pg 406, knowles and Howard (1996) pg 5, Pusch et al. (1987) pg 61, Ran and Daemen (1965) pg 1; Data packages Knowles (1995) WPO#28745

Additional Sources

ID	Material ID	Param ID	Technical Traceability Documentation	
2319	CLAY_BOT	PRMZ_LOG	WPO#41809 Sec 4.6 p.4-36. WPO#30994 - Contains tables of BRAGFLO parameters used to model WIPP shaft seal system. Contains listings of the extent of DRZ and figures showing proposed seal design for WIPP Air Intake Shaft.	WPO#30640: WIPP Shaft Seal System BRAGFLO Parameters, SWCF-A:1.1.03.2.1:QA:PDD Sec II Vol 2, 2.1.1; Sec I Vol 4 4.2.
3147	CONC_PLG	POROSITY	WPO#35134 Memo:Vaughn to Tierney "Borehole Properties" 3/13/96" (handwritten 4 page note with parameter values - contains an email cover page).	
3185	CONC_PLG	PRMX_LOG	WPO#35134 Memo:Vaughn to Tierney "Borehole Properties" 3/13/96" (handwritten 4 page note with parameter values - contains an email cover page).	Report WPO#39626 Records and documentation package for Permeability of Borehole filled with Silty Sand. Section 3.0 provides discussion on conceptual models of plugged boreholes. Section 6.0 provides a summary on the permeabilities.
3192	CONC_PLG	PRMY_LOG	WPO#35134 Memo:Vaughn to Tierney "Borehole Properties" 3/13/96" (handwritten 4 page note with parameter values - contains an email cover page).	Report WPO#39626 Records and documentation package for Permeability of Borehole filled with Silty Sand. Section 3.0 provides discussion on conceptual models of plugged boreholes. Section 6.0 provides a summary on the permeabilities.
3193	CONC_PLG	PRMZ_LOG	WPO#35134 Memo:Vaughn to Tierney "Borehole Properties" 3/13/96" (handwritten 4 page note with parameter values - contains an email cover page).	Report WPO#39626 Records and documentation package for Permeability of Borehole filled with Silty Sand. Section 3.0 provides discussion on conceptual models of plugged boreholes. Section 6.0 provides a summary on the permeabilities.
2464	CONC_T1	COMP_RCK	WPO#30640: WIPP Shaft Seal System BRAGFLO Parameters, SWCF-A:1.1.03.2.1:QA:PDD Sec III Vol 2 2.2.3; Sec II Vol 2 2.4.1; Sec II Vol 2 2.3.3; Sec I Vol 4 4.4.	Literature - RE/SPEC (1994) pg 3, Van Sambeek (1987) pg 9
3148	CONC_PLG	COMP_RCK	WPO#30640: WIPP Shaft Seal System BRAGFLO Parameters, SWCF-A:1.1.03.2.1:QA:PDD Sec III Vol 2 2.2.3; Sec II Vol 2 2.4.1; Sec II Vol 2 2.3.3; Sec I Vol 4 4.4.	Literature - RE/SPEC (1994) pg 3, Van Sambeek (1987) pg 9
2467	CONC_T1	POROSITY	WPO#30640: WIPP Shaft Seal System BRAGFLO Parameters, SWCF-A:1.1.03.2.1:QA:PDD Sec III Vol 2 2.2.2; Sec Vol 4 4.4.	Literature: Dennis (1992) pg.2; Data Package WPO#28380 Wakely et al. (1995)
2470	CONC_T1	PRMX_LOG	WPO#30640: WIPP Shaft Seal System BRAGFLO Parameters, SWCF-A:1.1.03.2.1:QA:PDD Sec III Vol 2 2.2.1; Sec I Vol 4 4.4.	Knowles et al. (1995), WPO #39631 and WPO#39632; WPO#41392 RE/SPEC (1996), pg 20
2471	CONC_T1	PRMY_LOG	WPO#30640: WIPP Shaft Seal System BRAGFLO Parameters, SWCF-A:1.1.03.2.1:QA:PDD Sec III Vol 2 2.2.1; Sec I Vol 4 4.4.	Knowles et al. (1995), WPO #39631 and WPO#39632; WPO#41392 RE/SPEC (1996), pg 20
2472	CONC_T1	PRMZ_LOG	WPO#30640: WIPP Shaft Seal System BRAGFLO Parameters, SWCF-A:1.1.03.2.1:QA:PDD Sec III Vol 2 2.2.1; Sec I Vol 4 4.4.	Knowles et al. (1995), WPO #39631 and WPO#39632; WPO#41392 RE/SPEC (1996), pg 20
120	CULEBRA	COMP_RCK	WPO#45770 Freeze R.A. and J.A.Cherry 1979, Groundwater. Englewood Cliffs, NJ Prentice Hall, Inc. Table 2.5 p55.	

Additional Sources

ID	Technical Traceability Documentation	
2319	Literature: Cheung et al. (1987) pg 406, Knowles and Howard (1996) pg 5, Pusch et al. (1987) pg 61, Ran and Daemen (1965) pg 1; Data packages Knowles (1995) WPO#28745	
3147		
3185		
3192		
3193		
2464	WPO#37738 Memo: Diane Hurtado to Martin Tierney "Modification of Concrete Compressibility Parameter" 4/26/96 (located in WPO#30640)	
3148	WPO#37738 Memo: Diane Hurtado to Martin Tierney "Modification of Concrete Compressibility Parameter" 4/26/96 (located in WPO#30640)	WPO#35134 Memo: Vaughn to Tierney "Borehole Properties" 3/13/96" (handwritten 4 page note with parameter values - contains an email cover page)
2467	Additional info WPO#32572	
2470	Additional info in WPO#41809 Sec 4.6	
2471	Additional info in WPO#41809 Sec 4.6	
2472	Additional info in WPO#41809 Sec 4.6	
120		

Additional Sources

ID	Material ID	Param ID	Technical Traceability Documentation	
861	CULEBRA	FTORT	WPO#40516(Analysis write-up for Culebra flow and Transport) Appendix D Table D2.	Memo: M. Wallace to M. Tierney, 5/2/96, Distribution for Non-Salado Parameter for SECOTP2D:Fracture Tortuosity (Distribution for Non-Salado Parameter for SECOTP2D:Fracture Tortuosity
139	CULEBRA	PORE_DIS	WPO#31041 Memo:McCord to Tierney 1/12/96	
140	CULEBRA	POROSITY	WPO#30608 SWCF-A:WBS1.2.07.01:PDD:QA:Nonsalado:Pkg 22 NonSalado Effective Porosity	WPO#41247, pg 6-1 "WIPP Natural Barriers Data Qualification Peer Review Report" states porosity was determined from core analyses and borehole data.
142	CULEBRA	PRESSURE	WPO#30713 SWCF-A:WBS1.2.07.01:PDD:QA:Nonsalado:Pkg 24 NonSalado Pressure. WPO#32290 Memo:M. Tierney to L. Dotson "Initial Pressure Parameter Values for NonSalado" 2/1/96.	WPO#41247, pg 6-8 "WIPP Natural Barriers Data Qualification Peer Review Report" states pore pressure tests were conducted on several isolated well units to determine value.
143	CULEBRA	PRMX_LOG	PC_MAX (1.0E8) is a large number chosen to represent infinity in a modeling sense.	WPO#31167, Documentation attached to WPO#s 32775, 32776, and 32777 respectively
144	CULEBRA	PRMY_LOG	PC_MAX (1.0E8) is a large number chosen to represent infinity in a modeling sense.	WPO#31167, Documentation attached to WPO#s 32775, 32776, and 32777 respectively
145	CULEBRA	PRMZ_LOG	PC_MAX (1.0E8) is a large number chosen to represent infinity in a modeling sense.	WPO#31167, Documentation attached to WPO#s 32775, 32776, and 32777 respectively
3487	CULEBRA	APOROS	WPO#41247, pg 6-61 "WIPP Natural Barriers Data Qualification Peer Review Report" states this value was derived from 3 steps, 1) trace test in field, 2) numerical simulations, 3) integration of simulation results to generate value for SECOTP.	PI PRP 37227
3484	CULEBRA	DISPT_L	PRP 37231	PRP WPO#37230, WPO#42672
3483	CULEBRA	DISP_L	PRP 37231	PRP WPO#37230, WPO#42672
3486	CULEBRA	DPOROS	WPO#38773 Memo:Lucy Meigs to Jim Ramsey June 6, 1996 See also WPO#37228 and WPO#38357.	WPO#41247, pg 6-76 "WIPP Natural Barriers Data Qualification Peer Review Report" states this value was derived based on laboratory measurements of 100 core samples from 21 boreholes.
3474	CULEBRA	DTORT	WPO#37226 SWCF-A:WBS1.2.07.1:PDD:QA:NonSalado:Culebra Diffusive Tortuosity ....WPO#38940 Memo:Lucy Meigs to Jim Ramsey "Nonsalado diffusive tortuosity for the Culebra Dolomite" May 16, 1996.	WPO#41247, pg 6-80 "WIPP Natural Barriers Data Qualification Peer Review Report" states this value was derived based on 36 core analyses reported in SAND90-7011 and from H19b4 cores. Value is the median of the 13 borehole average tortuosity values.

Additional Sources

ID	Technical Traceability Documentation	
861		
139		
140		
142		
143	WPO#35266 Memo from Kathy Economy 1/29/96	WPO#41247, pg 6-18 "WIPP Natural Barriers Data Qualification Peer Review Report" states this value was calculated from other data values using hydraulic conductivity, fluid viscosity, fluid mass density and gravitational constant.
144	WPO#35266 Memo from Kathy Economy 1/29/96	WPO#41247, pg 6-18 "WIPP Natural Barriers Data Qualification Peer Review Report" states this value was calculated from other data values using hydraulic conductivity, fluid viscosity, fluid mass density and gravitational constant.
145	WPO#35266 Memo from Kathy Economy 1/29/96	WPO#41247, pg 6-18 "WIPP Natural Barriers Data Qualification Peer Review Report" states this value was calculated from other data values using hydraulic conductivity, fluid viscosity, fluid mass density and gravitational constant.
3487	WPO#38939 Memo:Lucy Meigs and Jim McCord to Jim Ramsey June 6, 1996. See also WPO#37227 and WPO#38358	
3484	WPO#38941 Memo:J.McCord to Jim Ramsey 6/10/96. See also WPO#37231 and WPO#38355	
3483	WPO#38941 Memo:J.McCord to Jim Ramsey 6/10/96. See also WPO#37231 and WPO#38355	
3486	SAND90-7011 documents the core analyses.	
3474		

Additional Sources

ID	Material ID	Param ID	Technical Traceability Documentation	
3485	CULEBRA	HMBLKLT	WPO#38928 Memo:Lucy Meigs and Jim McCord to Jim Ramsey June 7, 1996 See also WPO#37225, and WPO#38356	WPO#41247, pg 6-69 "WIPP Natural Barriers Data Qualification Peer Review Report" states this value was derived from 3 steps, 1) trace test in field, 2) numerical simulations, 3) integration of simulation results to generate value for SECOTP.
3419	CULEBRA	MINP_FAC	WPO#36489 memo:M. Wallace to M. Tierney "Distribution for NonSalado parameter for SECOFL2D: Mining Transmissivity Multiplier" 4/18/96 See also WPO#39355.	
158	DEWYLAKE	POROSITY	Terra Tek AA-2896 Data Package WPO#38234	WPO#41247, pg 6-1 "WIPP Natural Barriers Data Qualification Peer Review Report" states porosity was determined from core analyses and borehole data.
161	DEWYLAKE	PRMX_LOG	WPO#30607, SWCF-A:1.2.07.1:PDD:QA:PKG.#2:Non-Salado Permeability, p.4 (Calculations on 464 Forms WPO#'s 32734, 32735, 32736, Raw data contained in WPO#38234 respectively).	WPO#43088 Memo:Vaughn to Tierney 2/22/96 "Dewey lake logs of intrinsic
162	DEWYLAKE	PRMY_LOG	WPO#30607, SWCF-A:1.2.07.1:PDD:QA:PKG.#2:Non-Salado Permeability, p.4 (Calculations on 464 Forms WPO#'s 32734, 32735, 32736, Raw data contained in WPO#38234 respectively).	WPO#43088 Memo:Vaughn to Tierney 2/22/96 "Dewey lake logs of intrinsic".
163	DEWYLAKE	PRMZ_LOG	WPO#30607, SWCF-A:1.2.07.1:PDD:QA:PKG.#2:Non-Salado Permeability, p.4 (Calculations on 464 Forms WPO#'s 32734, 32735, 32736, Raw data contained in WPO#38234 respectively).	WPO#43088 Memo:Vaughn to Tierney 2/22/96 "Dewey lake logs of intrinsic".
167	DEWYLAKE	SAL_USAT	WPO#40514 (the BRAGFLO analysis write-up) Sec. 4.2.4 pg 4-170, and discussion on Dewey Lake Sec 3.2.2.4 pg 3-13.	
171	DRILLMUD	DNSFLUID	Analysis Package for the Cuttings and Spalling Calculations WPO#40521- Section "Input Parameters and Sources" pg 39.	DRILLMUD DNSFLUED $\rho = 1210 \text{ kg/m}^3$. The 1992 PA (SAND92-0700/3) range pg 4-1 is $1.139\text{E}3$ to $1.378\text{E}3 \text{ kg/m}^3$, with a median of $1.211\text{E}3$. Reference for 92 PA is SAND89-2408 Pace, 1990. INGRES DB shows median as $1.21\text{E}3$ (28 Jun 91) in agreement with value used.
172	DRILLMUD	VISCO	Analysis Package for the Cuttings and Spalling Calculations WPO#40521- Section "Input Parameters and Sources" pg 39.	DRILLMUD VISCO $\eta_0 = 0.00917 \text{ (Pa)}$. The 1992 PA range is (pg 4-1) $5\text{E}-3$ to $3\text{E}-2 \text{ Pa}$, with a median of $9.17\text{E}-3$. The 92 PA reference is SAND89-2408 pg A-159-A170, Pace, 1990. See also EPA CCA Review Personnel Request Form Joel Miller 4/16/97.
173	DRILLMUD	YLDSTRSS	Analysis Package for the Cuttings and Spalling Calculations WPO#40521- Section "Input Parameters and Sources" pg 39.	DRILLMUD YLDSTRSS $\gamma = 4.4 \text{ (Pa)}$. The 1992 PA range (pg 4-1) is 2.4 to 19.2 Pa , with a median of 4 . The 92 PA reference is SAND89-2408 Pace, 1990. INGRES DB shows median as 4.4 (28 Jun 91) in accordance with value used.

Additional Sources

ID	Technical Traceability Documentation	
3485		
3419		
158		
161	WPO#41247, pg 6-14 "WIPP Natural Barriers Data Qualification Peer Review Report" states transmissivity was derived from one of transmissivity test results obtained from USGS 83-4016 report.	
162	WPO#41247, pg 6-14 "WIPP Natural Barriers Data Qualification Peer Review Report" states transmissivity was derived from one of transmissivity test results obtained from USGS 83-4016 report.	
163	WPO#41247, pg 6-14 "WIPP Natural Barriers Data Qualification Peer Review Report" states transmissivity was derived from one of transmissivity test results obtained from USGS 83-4016 report.	
167		
171	WPO#38568 states this is a 'legacy parameter' whose value appeared in the baseline WIPP Parameter database of March 2, 1996.	
172	Drillmud viscosity is traced back to 92 PA page A-169 or SAND89-2408. See EPA CCA Review Personnel Request Form 4/18/97 by Joel Miller	SAND92-0700/3.WPO#38568 states this is a 'legacy parameter' whose value appeared in the baseline WIPP Parameter database of March 2,1996.
173	Drillmud yldstress is traced back to 92 PA page A-169 or SAND89-2408. See also EPA CCA Review Personnel Request Form 4/18/97 by Joel Miller	SAND92-0700/3.WPO#38568 states this is a 'legacy parameter' whose value appeared in the baseline WIPP Parameter database of March 2,1996.

Additional Sources

ID	Material ID	Param ID	Technical Traceability Documentation	
178	DRZ_0	POROSITY	WPO#32288 Memo: P. Vaughn to M. Chu "Revision to DRZ and TZ properties to be used in BRAGFLO CCA calculation" 1/24/96.	
195	DRZ_1	POROSITY	WPO#32288 Memo: P. Vaughn to M. Chu "Revision to DRZ and TZ properties to be used in BRAGFLO CCA calculation" 1/24/96.	
181	DRZ_0	PRMX_LOG	WPO#32288 Memo: P. Vaughn to M. Chu "Revision to DRZ and TZ properties to be used in BRAGFLO CCA calculation" 1/24/96.	WPO#38568 Memo: M. Tierney and P. Vaughn to file "Designation of Legacy Parameters and Placeholders in WIPP Parameter Database" 6/17/96 states this is a 'legacy parameter' whose value appeared in the baseline WIPP Parameter database of March 2, 1996.
182	DRZ_0	PRMY_LOG	WPO#32288 Memo: P. Vaughn to M. Chu "Revision to DRZ and TZ properties to be used in BRAGFLO CCA calculation" 1/24/96.	WPO#38568 Memo: M. Tierney and P. Vaughn to file "Designation of Legacy Parameters and Placeholders in WIPP Parameter Database" 6/17/96 states this is a 'legacy parameter' whose value appeared in the baseline WIPP Parameter database of March 2, 1996.
183	DRZ_0	PRMZ_LOG	WPO#32288 Memo: P. Vaughn to M. Chu "Revision to DRZ and TZ properties to be used in BRAGFLO CCA calculation" 1/24/96.	WPO#38568 Memo: M. Tierney and P. Vaughn to file "Designation of Legacy Parameters and Placeholders in WIPP Parameter Database" 6/17/96 states this is a 'legacy parameter' whose value appeared in the baseline WIPP Parameter database of March 2, 1996.
198	DRZ_1	PRMX_LOG	WPO#32288 Memo: P. Vaughn to M. Chu "Revision to DRZ and TZ properties to be used in BRAGFLO CCA calculation" 1/24/96.	WPO#38568 Memo: M. Tierney and P. Vaughn to file "Designation of Legacy Parameters and Placeholders in WIPP Parameter Database" 6/17/96 states this is a 'legacy parameter' whose value appeared in the baseline WIPP Parameter database of March 2, 1996.
199	DRZ_1	PRMY_LOG	WPO#32288 Memo: P. Vaughn to M. Chu "Revision to DRZ and TZ properties to be used in BRAGFLO CCA calculation" 1/24/96.	WPO#38568 Memo: M. Tierney and P. Vaughn to file "Designation of Legacy Parameters and Placeholders in WIPP Parameter Database" 6/17/96 states this is a 'legacy parameter' whose value appeared in the baseline WIPP Parameter database of March 2, 1996.
200	DRZ_1	PRMZ_LOG	WPO#32288 Memo: P. Vaughn to M. Chu "Revision to DRZ and TZ properties to be used in BRAGFLO CCA calculation" 1/24/96.	WPO#38568 Memo: M. Tierney and P. Vaughn to file "Designation of Legacy Parameters and Placeholders in WIPP Parameter Database" 6/17/96 states this is a 'legacy parameter' whose value appeared in the baseline WIPP Parameter database of March 2, 1996.
223	GLOBAL	CLIMTIDX	WPO#33031 Memo from T. Corbet and P. Swift to M. Tierney, 3/12/96 (attached to 464 form). Supporting documentation is in WPO#36425.	WPO#41247, pg 6-22 "WIPP Natural Barriers Data Qualification Peer Review Report" states this value was derived from numerous computer runs using different values of infiltration and hydraulic conductivities.

Additional-Sources

ID	Technical Traceability Documentation	
178		
195		
181		
182		
183		
198		
199		
200		
223	WPO#37465 Memo: Corbet & Swift to Tierney, 4/12/96	

Additional Sources

ID	Material ID	Param ID	Technical Traceability Documentation	
225	GLOBAL	TRANSIDX	WPO#35193, Memo from Greg Ruskauff to Martin Tierney, 3/13/96, "Culebra Transmissivity Field Index, GLOBAL, TRANSIDX. Legacy parameter value same as in WPO#38568 SAND92-0700/3 p. 2-86-IDXTRANS parameter.	PI PRP WPO#36425
3501	GLOBAL	FPICD	WPO#42852 WIPP/CAO-96-3168, Chapter 6, 4/19/96, Effectiveness of Passive Institutional Controls in Reducing Inadvertent Human Intrusion into the WIPP for Use in Performance Assessments.	
3500	GLOBAL	FPICM	WIPP/CAO-96-3168, Chapter 6, 4/19/96, Effectiveness of Passive Institutional Controls in Reducing Inadvertent Human Intrusion into the WIPP for Use in Performance Assessments.	
3497	GLOBAL	MINERT	Federal Register Vol 61 No. 28 40CFR194 Section 194.32 parag (b).	
3417	GLOBAL	OXSTAT	WPO#37536 memo:C. Stockman to M. Tierney "Reducing the number of sampled parameters" 4/16/96.	
3493	GLOBAL	PBRINE	WPO#40199 contains WPO#40849 memo:R.J.Leonard to Mel Marietta 6/13/96 and WPO#40850 M.S.Y.Chu to SWCF_A Record Center (both memos are located in 464 Form).	
233	IMPERM_Z	POROSITY	WPO#38568 Memo: M. Tierney and P. Vaughn to file "Designation of Legacy Parameters and Placeholders in WIPP Parameter Database" 6/17/96	WPO#38568 states this is a 'placeholder parameter' whose value is not used by the BRAGFLO code, but is left in the database to facilitate the correct reading of all parameters for BRAGFLO from the SCMS files.
2100	MAGENTA	POROSITY	WPO#30608 SWCF-A:WBS 1.2.07.1:PDD:QA:NonSalado:Pkg 22 NonSalado Effective Porosity.	WPO#41247, pg 6-1 "WIPP Natural Barriers Data Qualification Peer Review Report" states porosity was determined from core analyses and borehole data.
2102	MAGENTA	PRMX_LOG	WPO#30607, SWCF-A:1.2.07.1:PDD:QA:PKG#2:Non-Salado Permeability p.4. Raw data contained in WPO#38234.	WPO#41247, pg 6-14 "WIPP Natural Barriers Data Qualification Peer Review Report" states transmissivity was derived form one of transmissivity test results obtained from USGS 83-4016 report.
2103	MAGENTA	PRMY_LOG	WPO#30607, SWCF-A:1.2.07.1:PDD:QA:PKG#2:Non-Salado Permeability p.4. Raw data contained in WPO#38234.	WPO#41247, pg 6-14 "WIPP Natural Barriers Data Qualification Peer Review Report" states transmissivity was derived form one of transmissivity test results obtained from USGS 83-4016 report.
2104	MAGENTA	PRMZ_LOG	WPO#30607, SWCF-A:1.2.07.1:PDD:QA:PKG#2:Non-Salado Permeability p.4. Raw data contained in WPO#38234.	WPO#41247, pg 6-14 "WIPP Natural Barriers Data Qualification Peer Review Report" states transmissivity was derived form one of transmissivity test results obtained from USGS 83-4016 report.
253	PAN_SEAL	COMP_RCK	WPO#40514 pg 4-146 (the BRAGFLO analysis write-up)	Reason this is different from values used for concrete shaft seal members is not clear. They use 1.2E-9 and the engineered Systems peer panel recommended 0.9e-9 (although value 1.2e-9 was acceptable with no impact)

Additional Sources

ID	Technical Traceability Documentation	
225	WPO#38568 states this is a 'legacy parameter' whose value appeared in the baseline WIPP Parameter database of March 2,1996.	
3501		
3500		
3497		
3417		
3493		
233		
2100		
2102		
2103		
2104		
253	Value used for PAN_SEAL COMP_RCK (2.64E-9) was based on early memorandum provided by PI. A revised value (1.2E-9) was provided by PI after completion of calculation.	Vaughn worksheet ,no date ,Panel Seal

Additional Sources

ID	Material ID	Param ID	Technical Traceability Documentation	
256	PAN_SEAL	POROSITY	Value for PAN_SEAL is from WPO#40514 pg 4-158 (the BRAGFLO analysis write-up). Reason it is different from values used for concrete shaft seal members (0.05) is not clear. WPO#32278, a concurrence memo from Knowles and Tillerson to Vaughn 2/8/96 "Panel.."	A concurrence memo (WPO#32278) from Knowles and Tillerson to Vaughn 2/8/96 "Panel Seal Porosity" provides some discussion.
259	PAN_SEAL	PRMX_LOG	WPO#40514 pg 4-160 (the BRAGFLO analysis write-up)	PAN_SEAL: PRMX_LOG=-15 log (m2) Also Sec 3.2.6 pg 3-17 discusses panel closure.
260	PAN_SEAL	PRMY_LOG	WPO#40514 pg 4-160 (the BRAGFLO analysis write-up)	PAN_SEAL: PRMX_LOG=-15 log (m2) Also Sec 3.2.6 pg 3-17 discusses panel closure.
261	PAN_SEAL	PRMZ_LOG	WPO#40514 pg 4-160 (the BRAGFLO analysis write-up)	PAN_SEAL: PRMX_LOG=-15 log (m2) Also Sec 3.2.6 pg 3-17 discusses panel closure.
265	PAN_SEAL	SAT_RBRN	WPO#40514 pg 4-172 (the BRAGFLO analysis write-up)	PAN_SEAL: SAT_RBRN = 0.20. This is linked to value of SAT_RBRN for CONC_T1 which is traceable through WPO#30640 Shaft Seals Parameter Package.
3429	PHUMOX3	PHUMCIM	WPO#42261 Memo: Hans Papenguth to Christine Stockman "Colloidal Actinide Source Term Parameters Rev. 2" 4/22/96 (located in Form 464).	Package WPO#35852 contains WPO#37522 memo from Papenguth to Stockman "Colloidal Actinide Source Term Parameters Rev. 2" 4/22/96
3433	PHUMOX3	PHUMSIM	WPO#42261 Memo: Hans Papenguth to Christine Stockman "Colloidal Actinide Source Term Parameters Rev. 2" 4/22/96 (located in Form 464).	Package WPO#35852 contains WPO#37522 memo from Papenguth to Stockman "Colloidal Actinide Source Term Parameters Rev. 2" 4/22/96
3459	PU	CAPHUM	WPO#42261 Memo: Hans Papenguth to Christine Stockman "Colloidal Actinide Source Term Parameters Rev. 2" 4/22/96 (located in Form 464).	Package WPO#35852 contains WPO#37522 memo from Papenguth to Stockman "Colloidal Actinide Source Term Parameters Rev. 2" 4/22/96
3457	AM	CAPHUM	WPO#42261 Memo: Hans Papenguth to Christine Stockman "Colloidal Actinide Source Term Parameters Rev. 2" 4/22/96 (located in Form 464).	Package WPO#35852 contains WPO#37522 memo from Papenguth to Stockman "Colloidal Actinide Source Term Parameters Rev. 2" 4/22/96
3458	NP	CAPHUM	WPO#42261 Memo: Hans Papenguth to Christine Stockman "Colloidal Actinide Source Term Parameters Rev. 2" 4/22/96 (located in Form 464).	Package WPO#35852 contains WPO#37522 memo from Papenguth to Stockman "Colloidal Actinide Source Term Parameters Rev. 2" 4/22/96
3460	U	CAPHUM	WPO#42261 Memo: Hans Papenguth to Christine Stockman "Colloidal Actinide Source Term Parameters Rev. 2" 4/22/96 (located in Form 464).	Package WPO#35852 contains WPO#37522 memo from Papenguth to Stockman "Colloidal Actinide Source Term Parameters Rev. 2" 4/22/96
3461	TH	CAPHUM	WPO#42261 Memo: Hans Papenguth to Christine Stockman "Colloidal Actinide Source Term Parameters Rev. 2" 4/22/96 (located in Form 464).	Package WPO#35852 contains WPO#37522 memo from Papenguth to Stockman "Colloidal Actinide Source Term Parameters Rev. 2" 4/22/96
3315	PU	CAPMIC	WPO#36771 Memo: Hans Papenguth to Christine Stockman "Colloidal Actinide Source Term Parameters " 3/29/96.	
3316	PU	CONCINT	WPO#36771 Memo: Hans Papenguth to Christine Stockman "Colloidal Actinide Source Term Parameters " 3/29/96.	
3440	PU	CONCMIN	PRP WPO#35850	T=0 memo for SNL activities (in prep)

Additional Sources

ID	Technical Traceability Documentation	
256	Vaughn worksheet , 2-5-96 CCA Panel seal Parameter Values for BRAGFLO	Vaughn worksheet , 2-5-96 CCA Panel seal Parameter Values for BRAGFLO
259	Vaughn worksheet, no date, Panel Seal parameter values are listed.	
260	Vaughn worksheet, no date, Panel Seal parameter values are listed.	
261	Vaughn worksheet, no date, Panel Seal parameter values are listed.	
265	Vaughn worksheet , 2-5-96 CCA Panel Seal Parameter Values for BRAGFLO.	
3429		
3433		
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3457		
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3440	WPO#36771 Memo: Hans Papenguth to Christine Stockman "Colloidal Actinide Source Term Parameters " 3/29/96.	

Additional Sources

ID	Material ID	Param ID	Technical Traceability Documentation	
3437	TH	CONCMIN	PRP WPO#35850, T=0 memo for SNL activities (in prep)	WPO#36771 Memo: Hans Papenguth to Christine Stockman "Colloidal Actinide Source Term Parameters " 3/29/96.
3438	U	CONCMIN	PRP WPO#35850, T=0 memo for SNL activities (in prep)	WPO#36771 Memo: Hans Papenguth to Christine Stockman "Colloidal Actinide Source Term Parameters " 3/29/96.
3439	NP	CONCMIN	PRP WPO#35850, T=0 memo for SNL activities (in prep)	WPO#36771 Memo: Hans Papenguth to Christine Stockman "Colloidal Actinide Source Term Parameters " 3/29/96.
3441	AM	CONCMIN	PRP WPO#35850, T=0 memo for SNL activities	WPO#36771 Memo: Hans Papenguth to Christine Stockman "Colloidal Actinide Source Term Parameters " 3/29/96.
3317	PU	PROPMIC	WPO#36771 Memo:Hans Papenguth to Christine Stockman "Colloidal Actinide Source Term parameters" 3/28/96.	PRP WPO#35856 Table 6 "Mobile Colloidal Actinide Source Term 4 Microbes. Hans Papenguth.
3442	PU+3	MD0	WPO#37533 Memo: L.H.Brush to M. Tierney 5/11/96.	
3480	PU+3	MKD_PU	WPO#37533 Memo: L.H.Brush to M. Tierney 5/11/96.	
3481	PU+4	MKD_PU	PRP WPO#38231	LANL AN-1789 T=0 memo for SNL activities
3478	TH+4	MKD_TH	PRP WPO#38231	LANL AN-1789 T=0 memo for SNL activities
297	PU239	INVCHD	WPO#41560 Memo:L.C.Sanchez to M. Martell "Updated (2033yr) Radionuclides for use in WIPP PA Calculations" 10/28/96.	
298	PU239	INVRHD	WPO#41560 Memo:L.C.Sanchez to M. Martell "Updated (2033yr) Radionuclides for use in WIPP PA Calculations" 10/28/96.	
2832	REFCON	ACF_CO2	Knapp, et al. Vapor-Liquid Equilibria for Mixtures of Low Boiling Substances, Chemical Data Ser. Vol VI (1982) DECHEMA p. 795-797. (no WPO number - info is contained within 464 Form).	
2831	REFCON	ACF_H2	Knapp, et al. Vapor-Liquid Equilibria for Mixtures of Low Boiling Substances, Chemical Data Ser. Vol VI (1982) DECHEMA p. 795-797. (no WPO number - info is contained within 464 Form).	
2883	REFCON	F3M3	G.E.Nuclides and Isotopes 14th Edition p.52.	
2859	No EPA data gn		Was not used in CCA	
2865	REFCON	MW_FE	WPO#44691 CRC Handbook of Chemistry and Physics 72nd edition p. 17-19.	
2864	REFCON	MW_H2O	DRZ Perm/Porosity	
2863	No EPA data gn		Was not used in CCA	
2826	REFCON	TC_CO2	Knapp, et al. Vapor-Liquid Equilibria for Mixtures of Low Boiling Substances, Chemical Data Ser. Vol VI (1982) DECHEMA p. 795-797. (no WPO number - info is contained within 464 Form)	

Additional Sources

ID	Technical Traceability Documentation	
3437	Package WPO#35852 contains WPO#37522 memo from Papenguth to Stockman "Colloidal Actinide Source Term Parameters Rev. 2" 4/22/96.	
3438	Package WPO#35852 contains WPO#37522 memo from Papenguth to Stockman "Colloidal Actinide Source Term Parameters Rev. 2" 4/22/96.	
3439	Package WPO#35852 contains WPO#37522 memo from Papenguth to Stockman "Colloidal Actinide Source Term Parameters Rev. 2" 4/22/96.	
3441	Package WPO#35852 contains WPO#37522 memo from Papenguth to Stockman "Colloidal Actinide Source Term Parameters Rev. 2" 4/22/96.	
3317		
3442		
3480		
3481	WPO#38801 Memo:L.H.Brush to M.S. Tierney, 6/10/96.	
3478	WPO#38801 Memo:L.H.Brush to M.S. Tierney, 6/10/96.	
297		
298		
2832		
2831		
2883		
2859		
2865		
2864		
2863		
2826		

Additional Sources

ID	Material ID	Param ID	Technical Traceability Documentation	
2825	REFCON	TC_H2	Knapp, et al. Vapor-Liquid Equilibria for Mixtures of Low Boiling Substances, Chemical Data Ser. Vol VI (1982) DECHEMA p. 795-797. (no WPO number - info is contained within 464 Form).	
2830	REFCON	TC_O2	Knapp, et al. Vapor-Liquid Equilibria for Mixtures of Low Boiling Substances, Chemical Data Ser. Vol VI (1982) DECHEMA p. 795-797. (no WPO number - info is contained within 464 Form).	
3503	REFCON	ABERM	WPO#40133 Memo: K. Trauth to Jon Helton 06/29/96.	
3489	REFCON	AREA_CH	WPO#23529 Numbers taken from Table 3.1-1 p.3-4 SAND92-0700/3.	
3496	REFCON	AREA_RH	WPO#34618 memo: Michael McFadden to Rip Anderson 3/01/96 (located in Form 464).	
3132	REFCON	DRROOM	WPO#23529 SAND92-0700/3 p.3-12 (92 PA).	
3492	REFCON	FWW	WPO#23529 SAND92-0700/3 Sec 3.1-1 Table 3.1-1.....WPO#32328 DOE/CAO-95-1121 (BIR-Rev2) MST 6/27/96	
3105	REFCON	VROOM	See analyst's calculation in 464 Form. WPO#33280	
2130	REPOSIT	POROSITY	WPO#40514 pg 4-159 (the BRAGFLO analysis write-up)	REPOSIT: POROSITY = 0.848. Also, see WPO#35697 Principal Investigator Documentation Package for: Final Porosity Surface Data.
2131	REPOSIT	PRMX_LOG	See WPO#40514 Sec. 4.2.4 pg. 4-174 (the BRAGFLO analysis write-up) and WPO#38152 the composite Phase I FEP Records Package.	
2132	REPOSIT	PRMY_LOG	See WPO#40514 Sec. 4.2.4 pg. 4-174 (the BRAGFLO analysis write-up) and WPO#38152 the composite Phase I FEP Records Package.	
2133	REPOSIT	PRMZ_LOG	See WPO#40514 Sec. 4.2.4 pg. 4-174 (the BRAGFLO analysis write-up) and WPO#38152 the composite Phase I FEP Records Package.	
520	S_ANH_AB	CAP_MOD	WPO#30643 SWCF- A:WBS.1.2.07.1:PDD:QA:Salado:Pkg 10: Anh2 Phase Parameters.	
559	S_MB138	CAP_MOD	WPO#30643 SWCF- A:WBS.1.2.07.1:PDD:QA:Salado:Pkg 10: Anh2 Phase Parameters.	
579	S_MB139	CAP_MOD	WPO#30643 SWCF- A:WBS.1.2.07.1:PDD:QA:Salado:Pkg 10: Anh2 Phase Parameters.	WPO#43487 Memo: Archuleta to SWCF 1/20/97 defining T=0, initial date when data collection by Intera was performed under conditions equal to that of a qualified QA program.
2158	S_ANH_AB	DPHIMAX	WPO#43487 Memo: Archuleta to SWCF 1/20/97 defining T=0, initial date when data collection by Intera was performed under conditions equal to that of a qualified QA program.	WPO#44704 Memo: Larson, Beauheim, Weart to Shephard "Experimental Data and BRAGFLO Fracture Model Parameter Values 3/31/97" discusses the derivation of the fracture model input parameters and how they are consistent with experimental data. (in 464 form)

Additional Sources

ID	Technical Traceability Documentation	
2825		
2830		
3503		
3489		
3496		
3132		
3492		
3105		
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2158	WPO#38274 Memo: Lord to Tierney 2/20/96 lists anhydrite fracture parameter values for the CCA database. Table includes units, mean, median, lowrange, hirange, and active cells.	

Additional Sources

ID	Material ID	Param ID	Technical Traceability Documentation	
522	S_ANH_AB	PC_MAX	WPO#30643 SWCF-A:WBS.1.2.07.1:PDD:QA:Salado:Pkg 10: Anh2 Phase Parameters.	
561	S_MB138	PC_MAX	WPO#30643 SWCF-A:WBS.1.2.07.1:PDD:QA:Salado:Pkg 10: Anh2 Phase Parameters.	
582	S_MB139	PC_MAX	WPO#30643 SWCF-A:WBS.1.2.07.1:PDD:QA:Salado:Pkg 10: Anh2 Phase Parameters.	
541	S_HALITE	COMP_RCK	WPO#30598 SWCF-A:WBS 1.2.07.1:PDD:QA:Salado:Pkg 5:Salado halite Rock Compressibility. See also WPO#31220	PI PRP WPO#31220
544	S_HALITE	POROSITY	WPO#30601 SWCF-A:WBS 1.2.07.1:PDD:QA:Salado:Pkg 8:effective porosity/Hal	
546	S_HALITE	PRESSURE	WPO#31221 SWCF-A:WBS 1.2.07.1:PDD:QA:Salado:Pkg 4:halite pressure	WPO#41247 p 4-7 "WIPP Natural Barriers Data Qualification Peer Review Report" Aug 96 states undisturbed halite pore pressure is based on interpretation of GTFM 6.0 simulation on two boreholes adjacent to Room Q.
547	S_HALITE	PRMX_LOG	WPO#36772 Memo from Peter Davies to Martin Tierney 3/7/96.	WPO#31218 SWCF-A:WBS 1.2.07.1:PDD:QA:Salado:Pkg 7:Salado Halite Permeability
548	S_HALITE	PRMY_LOG	WPO#36772 Memo from Peter Davies to Martin Tierney 3/7/96.	WPO#31218 SWCF-A:WBS 1.2.07.1:PDD:QA:Salado:Pkg 7:Salado Halite Permeability
549	S_HALITE	PRMZ_LOG	WPO#36772 Memo from Peter Davies to Martin Tierney 3/7/96.	WPO#31218 SWCF-A:WBS 1.2.07.1:PDD:QA:Salado:Pkg 7:Salado Halite Permeability
580	S_MB139	COMP_RCK	WPO#41247 pg 4-38 "WIPP Natural Barriers Data Qualification Peer Review Report" Aug 96 states value was derived from 2 hydraulic tests in boreholes using GTFM 6.0 code to estimate permeability.	WPO 31186 SWCF-A:WBS1.2.07.1:PDD:QA:Salado:Pkg19:Rock Compressibility
560	S_MB138	COMP_RCK	WPO#41247 pg 4-38 "WIPP Natural Barriers Data Qualification Peer Review Report" Aug 96 states value was derived from 2 hydraulic tests in boreholes using GTFM 6.0 code to estimate permeability.	WPO 31186 SWCF-A:WBS1.2.07.1:PDD:QA:Salado:Pkg19:Rock Compressibility
521	S_ANH_AB	COMP_RCK	WPO#41247 pg 4-38 "WIPP Natural Barriers Data Qualification Peer Review Report" Aug 96 states value was derived from 2 hydraulic tests in boreholes using GTFM 6.0 code to estimate permeability.	WPO 31186 SWCF-A:WBS1.2.07.1:PDD:QA:Salado:Pkg19:Rock Compressibility
2177	S_MB139	DPHIMAX	WPO#43487 Memo: Archuleta to SWCF 1/20/97 defining T=0, initial date when data collection by Intera was performed under conditions equal to that of a qualified QA program.	WPO#38274 Memo: Lord to Tierney 2/20/96 lists anhydrite fracture parameter values for the CCA database. Table includes units, mean, median, lowrange, hirange, and active cells.

Additional Sources

ID	Technical Traceability Documentation	
522		
561		
582		
541	WPO#41247 p 4-12 "WIPP Natural Barriers Data Qualification Peer Review Report" Aug 96 states data was derived from 2 hydraulic tests in boreholes in undisturbed halite. Code GTFM 6.0 was used to obtain storage values used to calculate compressibility.	
544	WPO#41247 pg 4-17 "WIPP Natural Barriers Data Qualification Peer Review Report" Aug 96 states value was inferred from results of thermogravimetric analyses of Salado halite core.	
546		
547	WPO#41247 pg 4-23 "WIPP Natural Barriers Data Qualification Peer Review Report" Aug 96 states value was derived from 2 hydraulic tests in boreholes using GTFM 6.0 code to estimate permeability.	
548	WPO#41247 pg 4-23 "WIPP Natural Barriers Data Qualification Peer Review Report" Aug 96 states value was derived from 2 hydraulic tests in boreholes using GTFM 6.0 code to estimate permeability.	
549	WPO#41247 pg 4-23 "WIPP Natural Barriers Data Qualification Peer Review Report" Aug 96 states value was derived from 2 hydraulic tests in boreholes using GTFM 6.0 code to estimate permeability.	
580		
560		
521		
2177	WPO#44704 Memo: Larson, Beauheim, Weart to Shephard "Experimental Data and BRAGFLO Fracture Model Parameter Values 3/3/1/97" discusses the derivation of the fracture model input parameters and how they are consistent with experimental data. (in 464's)	

Additional Sources

ID	Material ID	Param ID	Technical Traceability Documentation	
2169	S_MB138	DPHIMAX	WPO#43487 Memo: Archuleta to SWCF 1/20/97 defining T=0, initial date when data collection by Intera was performed under conditions equal to that of a qualified QA program.	WPO#38274 Memo: Lord to Tierney 2/20/96 lists anhydrite fracture parameter values for the CCA database. Table includes units, mean, median, lowrange, hirange, and active cells.
2811	S_MB139	IFRX	WPO#43487 Memo: Archuleta to SWCF 1/20/97 defining T=0, initial date when data collection by Intera was performed under conditions equal to that of a qualified QA program.	WPO#36205 Memo: P. Vaughn to M. Chu 1/22/96
2814	S_MB139	IFRY	WPO#43487 Memo: Archuleta to SWCF 1/20/97 defining T=0, initial date when data collection by Intera was performed under conditions equal to that of a qualified QA program.	WPO#36205 Memo: P. Vaughn to M. Chu 1/22/96
2817	S_MB139	IFRZ	WPO#43487 Memo: Archuleta to SWCF 1/20/97 defining T=0, initial date when data collection by Intera was performed under conditions equal to that of a qualified QA program.	WPO#36205 Memo: P. Vaughn to M. Chu 1/22/96
2178	S_MB139	KMAXLOG	WPO#43487 Memo: Archuleta to SWCF 1/20/97 defining T=0, initial date when data collection by Intera was performed under conditions equal to that of a qualified QA program.	WPO#44704 Memo: Larson, Beauheim, Weart to Shephard "Experimental Data and BRAGFLO Fracture Model Parameter Values 3/3/1/97" discusses the derivation of the fracture model input parameters and how they are consistent with experimental data. (in 464's)
2159	S_ANH_AB	KMAXLOG	WPO#43487 Memo: Archuleta to SWCF 1/20/97 defining T=0, initial date when data collection by Intera was performed under conditions equal to that of a qualified QA program.	WPO#44704 Memo: Larson, Beauheim, Weart to Shephard "Experimental Data and BRAGFLO Fracture Model Parameter Values 3/3/1/97" discusses the derivation of the fracture model input parameters and how they are consistent with experimental data.
2170	S_MB138	KMAXLOG	WPO#43487 Memo: Archuleta to SWCF 1/20/97 defining T=0, initial date when data collection by Intera was performed under conditions equal to that of a qualified QA program.	WPO#44704 Memo: Larson, Beauheim, Weart to Shephard "Experimental Data and BRAGFLO Fracture Model Parameter Values 3/3/1/97" discusses the derivation of the fracture model input parameters and how they are consistent with experimental data.
2789	S_MB139	PCT_A	WPO#30643 SWCF-A:1.2.07.1:PDD:QA:Salado:Pkg10:Anh2 - Phase Parameters	
2784	S_MB138	PCT_A	WPO#30643 SWCF-A:1.2.07.1:PDD:QA:Salado:Pkg10:Anh2 - Phase Parameters	
2774	S_ANH_AB	PCT_A	WPO#30643 SWCF-A:1.2.07.1:PDD:QA:Salado:Pkg10:Anh2 - Phase Parameters	
2790	S_MB139	PCT_EXP	WPO#30643 SWCF-A:1.2.07.1:PDD:QA:Salado:Pkg10:Anh2 - Phase Parameters	
2785	S_MB138	PCT_EXP	WPO#30643 SWCF-A:1.2.07.1:PDD:QA:Salado:Pkg10:Anh2 - Phase Parameters	

Additional Sources

ID	Technical Traceability Documentation	
2169	WPO#44704 Memo: Larson, Beauheim, Weart to Shephard "Experimental Data and BRAGFLO Fracture Model Parameter Values 3/3/1/97" discusses the derivation of the fracture model input parameters and how they are consistent with experimental data.	
2811		
2814		
2817		
2178	WPO#38274 Memo: Lord to Tierney 2/20/96 lists anhydrite fracture parameter values for the CCA database. Table includes units, mean, median, lowrange, hirange, and active cells.WPO#23253.	
2159	WPO#38274 Memo: Lord to Tierney 2/20/96 lists anhydrite fracture parameter values for the CCA database. Table includes units, mean, median, lowrange, hirange, and active cells.	
2170	WPO#38274 Memo: Lord to Tierney 2/20/96 lists anhydrite fracture parameter values for the CCA database. Table includes units, mean, median, lowrange, hirange, and active cells.	
2789		
2784		
2774		
2790		
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Additional Sources

ID	Material ID	Param ID	Technical Traceability Documentation	
2775	S_ANH_AB	PCT_EXP	WPO#30643 SWCF-A:1.2.07.1:PDD:QA:Salado:Pkg10:Anh2 - Phase Parameters	
2180	S_MB139	PF_DELTA	WPO#43487 Memo: Archuleta to SWCF 1/20/97 defining T=0, initial date when data collection by Intera was performed under conditions equal to that of a qualified QA program.	WPO#44704 memo: Larson, Beauheim, Weart to Shepard "Experimental Data and BRAGFLO Fracture Model Parameter Values" 3/31/97 (located in 464)
524	S_ANH_AB	PF_DELTA	WPO#43487 Memo: Archuleta to SWCF 1/20/97 defining T=0, initial date when data collection by Intera was performed under conditions equal to that of a qualified QA program.	WPO#44704 Memo: Larson, Beauheim, Weart to Shepard "Experimental Data and BRAGFLO Fracture Model Parameter Values 3/31/97" discusses the derivation of the fracture model input parameters and how they are consistent with experimental data.
563	S_MB138	PF_DELTA	WPO#43487 Memo: Archuleta to SWCF 1/20/97 defining T=0, initial date when data collection by Intera was performed under conditions equal to that of a qualified QA program.	WPO#44704 Memo: Larson, Beauheim, Weart to Shepard "Experimental Data and BRAGFLO Fracture Model Parameter Values 3/31/97" discusses the derivation of the fracture model input parameters and how they are consistent with experimental data.
586	S_MB139	PI_DELTA	WPO#44704 Memo: Larson, Beauheim, Weart to Shepard "Experimental Data and BRAGFLO Fracture Model Parameter Values 3/31/97" discusses the derivation of the fracture model input parameters and how they are consistent with experimental data.	WPO#43487 Memo: Archuleta to SWCF 1/20/97 defining T=0, initial date when data collection by Intera was performed under conditions equal to that of a qualified QA program.
526	S_ANH_AB	PI_DELTA	WPO#44704 Memo: Larson, Beauheim, Weart to Shepard "Experimental Data and BRAGFLO Fracture Model Parameter Values 3/31/97" discusses the derivation of the fracture model input parameters and how they are consistent with experimental data.	WPO#43487 Memo: Archuleta to SWCF 1/20/97 defining T=0, initial date when data collection by Intera was performed under conditions equal to that of a qualified QA program.
565	S_MB138	PI_DELTA	WPO#44704 Memo: Larson, Beauheim, Weart to Shepard "Experimental Data and BRAGFLO Fracture Model Parameter Values 3/31/97" discusses the derivation of the fracture model input parameters and how they are consistent with experimental data.	WPO#43487 Memo: Archuleta to SWCF 1/20/97 defining T=0, initial date when data collection by Intera was performed under conditions equal to that of a qualified QA program.
589	S_MB139	PO_MIN	WPO#40514 Sec. 4.2.4 (BRAGFLO Analysis Write-Up) pg. 4-155 through 4-156.	PO_MIN is the minimum brine pressure. It is only used when capillary pressure model (CAP_MOD) 3 is specified; Since models (CAP_MOD) 1 & 2 were used in 1996 CCA calculation, PO_MIN value was a placeholder and had no effect on the simulations. (Line 7.34)
12	OPS_AREA	PO_MIN	WPO#40514 Sec. 4.2.4 (BRAGFLO Analysis Write-Up) pg. 4-155 through 4-156.	PO_MIN is the minimum brine pressure. It is only used when capillary pressure model (CAP_MOD) 3 is specified; Since models (CAP_MOD) 1 & 2 were used in 1996 CCA calculation, PO_MIN value was a placeholder and had no effect on the simulations. (Line 7.34)

Additional Sources

ID	Technical Traceability Documentation	
2775		
2180	WPO#23253.	WPO#38274 Memo: Lord to Tierney 2/20/96 lists anhydrite fracture parameter values for the CCA database. Table includes units, mean, median, lowrange, hirange, and active cells.
524	WPO#38274 Memo: Lord to Tierney 2/20/96 lists anhydrite fracture parameter values for the CCA database. Table includes units, mean, median, lowrange, hirange, and active cells.	
563	WPO#38274 Memo: Lord to Tierney 2/20/96 lists anhydrite fracture parameter values for the CCA database. Table includes units, mean, median, lowrange, hirange, and active cells.	
586	WPO#38274 Memo: Lord to Tierney 2/20/96 lists anhydrite fracture parameter values for the CCA database. Table includes units, mean, median, lowrange, hirange, and active cells.	WPO#40514 pg 4-155 (the BRAGFLO analysis write-up)
526	WPO#38274 Memo: Lord to Tierney 2/20/96 lists anhydrite fracture parameter values for the CCA database. Table includes units, mean, median, lowrange, hirange, and active cells.	WPO#40514 pg 4-155 (the BRAGFLO analysis write-up)
565	WPO#38274 Memo: Lord to Tierney 2/20/96 lists anhydrite fracture parameter values for the CCA database. Table includes units, mean, median, lowrange, hirange, and active cells.	WPO#40514 pg 4-155 (the BRAGFLO analysis write-up)
589	WPO#36051 Memo: P. Vaughn to M. Tierney 2/20/96	
12	WPO#36051 Memo: P. Vaughn to M. Tierney 2/20/96	

Additional Sources

ID	Material ID	Param ID	Technical Traceability Documentation	
32	BOREHOLE	PO_MIN	WPO#40514 Sec. 4.2.4 (BRAGFLO Analysis Write-Up) pg. 4-155 through 4-156.	PO_MIN is the minimum brine pressure. It is only used when capillary pressure model (CAP_MOD) 3 is specified; Since models (CAP_MOD) 1 & 2 were used in 1996 CCA calculation, PO_MIN value was a placeholder and had no effect on the simulations. (Line 7.34)
65	CASTILER	PO_MIN	WPO#40514 Sec. 4.2.4 (BRAGFLO Analysis Write-Up) pg. 4-155 through 4-156.	PO_MIN is the minimum brine pressure. It is only used when capillary pressure model (CAP_MOD) 3 is specified; Since models (CAP_MOD) 1 & 2 were used in 1996 CCA calculation, PO_MIN value was a placeholder and had no effect on the simulations. (Line 7.34)
81	CAVITY_1	PO_MIN	WPO#40514 Sec. 4.2.4 (BRAGFLO Analysis Write-Up) pg. 4-155 through 4-156.	PO_MIN is the minimum brine pressure. It is only used when capillary pressure model (CAP_MOD) 3 is specified; Since models (CAP_MOD) 1 & 2 were used in 1996 CCA calculation, PO_MIN value was a placeholder and had no effect on the simulations. (Line 7.34)
96	CAVITY_2	PO_MIN	WPO#40514 Sec. 4.2.4 (BRAGFLO Analysis Write-Up) pg. 4-155 through 4-156.	PO_MIN is the minimum brine pressure. It is only used when capillary pressure model (CAP_MOD) 3 is specified; Since models (CAP_MOD) 1 & 2 were used in 1996 CCA calculation, PO_MIN value was a placeholder and had no effect on the simulations. (Line 7.34)
141	CULEBRA	PO_MIN	WPO#40514 Sec. 4.2.4 (BRAGFLO Analysis Write-Up) pg. 4-155 through 4-156.	PO_MIN is the minimum brine pressure. It is only used when capillary pressure model (CAP_MOD) 3 is specified; Since models (CAP_MOD) 1 & 2 were used in 1996 CCA calculation, PO_MIN value was a placeholder and had no effect on the simulations. (Line 7.34)
159	DEWYLAKE	PO_MIN	WPO#40514 Sec. 4.2.4 (BRAGFLO Analysis Write-Up) pg. 4-155 through 4-156.	PO_MIN is the minimum brine pressure. It is only used when capillary pressure model (CAP_MOD) 3 is specified; Since models (CAP_MOD) 1 & 2 were used in 1996 CCA calculation, PO_MIN value was a placeholder and had no effect on the simulations. (Line 7.34)
179	DRZ_0	PO_MIN	WPO#40514 Sec. 4.2.4 (BRAGFLO Analysis Write-Up) pg. 4-155 through 4-156.	PO_MIN is the minimum brine pressure. It is only used when capillary pressure model (CAP_MOD) 3 is specified; Since models (CAP_MOD) 1 & 2 were used in 1996 CCA calculation, PO_MIN value was a placeholder and had no effect on the simulations. (Line 7.34)
196	DRZ_1	PO_MIN	WPO#40514 Sec. 4.2.4 (BRAGFLO Analysis Write-Up) pg. 4-155 through 4-156.	PO_MIN is the minimum brine pressure. It is only used when capillary pressure model (CAP_MOD) 3 is specified; Since models (CAP_MOD) 1 & 2 were used in 1996 CCA calculation, PO_MIN value was a placeholder and had no effect on the simulations. (Line 7.34)

Additional Sources

ID	Technical Traceability Documentation	
32	WPO#36051 Memo: P. Vaughn to M. Tierney 2/20/96	
65	WPO#36051 Memo: P. Vaughn to M. Tierney 2/20/96	
81	WPO#36051 Memo: P. Vaughn to M. Tierney 2/20/96	
96	WPO#36051 Memo: P. Vaughn to M. Tierney 2/20/96	Memo: Vaughn to Tierney 2/14/96 Constant Values for Cavity 1,2,3,4 Parameters
141	WPO#36051 Memo: P. Vaughn to M. Tierney 2/20/96	
159	WPO#36051 Memo: P. Vaughn to M. Tierney 2/20/96	
179	WPO#36051 Memo: P. Vaughn to M. Tierney 2/20/96	
196	WPO#36051 Memo: P. Vaughn to M. Tierney 2/20/96	

Additional Sources

ID	Material ID	Param ID	Technical Traceability Documentation	
212	EXP_AREA	PO_MIN	WPO#40514 Sec. 4.2.4 (BRAGFLO Analysis Write-Up) pg. 4-155 through 4-156.	PO_MIN is the minimum brine pressure. It is only used when capillary pressure model (CAP_MOD) 3 is specified; Since models (CAP_MOD) 1 & 2 were used in 1996 CCA calculation, PO_MIN value was a placeholder and had no effect on the simulations. (Line 7.34)
234	IMPERM_Z	PO_MIN	WPO#40514 Sec. 4.2.4 (BRAGFLO Analysis Write-Up) pg. 4-155 through 4-156.	PO_MIN is the minimum brine pressure. It is only used when capillary pressure model (CAP_MOD) 3 is specified; Since models (CAP_MOD) 1 & 2 were used in 1996 CCA calculation, PO_MIN value was a placeholder and had no effect on the simulations. (Line 7.34)
257	PAN_SEAL	PO_MIN	WPO#40514 Sec. 4.2.4 (BRAGFLO Analysis Write-Up) pg. 4-155 through 4-156.	PO_MIN is the minimum brine pressure. It is only used when capillary pressure model (CAP_MOD) 3 is specified; Since models (CAP_MOD) 1 & 2 were used in 1996 CCA calculation, PO_MIN value was a placeholder and had no effect on the simulations. (Line 7.34)
342	SANTAROS	PO_MIN	WPO#40514 Sec. 4.2.4 (BRAGFLO Analysis Write-Up) pg. 4-155 through 4-156.	PO_MIN is the minimum brine pressure. It is only used when capillary pressure model (CAP_MOD) 3 is specified; Since models (CAP_MOD) 1 & 2 were used in 1996 CCA calculation, PO_MIN value was a placeholder and had no effect on the simulations. (Line 7.34)
529	S_ANH_AB	PO_MIN	WPO#40514 Sec. 4.2.4 (BRAGFLO Analysis Write-Up) pg. 4-155 through 4-156.	PO_MIN is the minimum brine pressure. It is only used when capillary pressure model (CAP_MOD) 3 is specified; Since models (CAP_MOD) 1 & 2 were used in 1996 CCA calculation, PO_MIN value was a placeholder and had no effect on the simulations. (Line 7.34)
545	S_HALITE	PO_MIN	WPO#40514 Sec. 4.2.4 (BRAGFLO Analysis Write-Up) pg. 4-155 through 4-156.	PO_MIN is the minimum brine pressure. It is only used when capillary pressure model (CAP_MOD) 3 is specified; Since models (CAP_MOD) 1 & 2 were used in 1996 CCA calculation, PO_MIN value was a placeholder and had no effect on the simulations. (Line 7.34)
568	S_MB138	PO_MIN	WPO#40514 Sec. 4.2.4 (BRAGFLO Analysis Write-Up) pg. 4-155 through 4-156.	PO_MIN is the minimum brine pressure. It is only used when capillary pressure model (CAP_MOD) 3 is specified; Since models (CAP_MOD) 1 & 2 were used in 1996 CCA calculation, PO_MIN value was a placeholder and had no effect on the simulations. (Line 7.34)
661	WAS_AREA	PO_MIN	WPO#40514 Sec. 4.2.4 (BRAGFLO Analysis Write-Up) pg. 4-155 through 4-156.	PO_MIN is the minimum brine pressure. It is only used when capillary pressure model (CAP_MOD) 3 is specified; Since models (CAP_MOD) 1 & 2 were used in 1996 CCA calculation, PO_MIN value was a placeholder and had no effect on the simulations. (Line 7.34)

Additional Sources

ID	Technical Traceability Documentation	
212	WPO#36051 Memo: P. Vaughn to M. Tierney 2/20/96	
234	WPO#36051 Memo: P. Vaughn to M. Tierney 2/20/96	
257	WPO#36051 Memo: P. Vaughn to M. Tierney 2/20/96	
342	WPO#36051 Memo: P. Vaughn to M. Tierney 2/20/96	
529	WPO#36051 Memo: P. Vaughn to M. Tierney 2/20/96	
545	WPO#36051 Memo: P. Vaughn to M. Tierney 2/20/96	
568	WPO#36051 Memo: P. Vaughn to M. Tierney 2/20/96	
661	WPO#36051 Memo: P. Vaughn to M. Tierney 2/20/96	

Additional Sources

ID	Material ID	Param ID	Technical Traceability Documentation	
2281	ASPHALT	PO_MIN	WPO#40514 Sec. 4.2.4 (BRAGFLO Analysis Write-Up) pg. 4-155 through 4-156.	PO_MIN is the minimum brine pressure. It is only used when capillary pressure model (CAP_MOD) 3 is specified; only Models 1 & 2 were used in 1996 CCA calculation; PO_MIN value is a placeholder.
2315	CLAY_BOT	PO_MIN	WPO#40514 Sec. 4.2.4 (BRAGFLO Analysis Write-Up) pg. 4-155 through 4-156.	PO_MIN is the minimum brine pressure. It is only used when capillary pressure model (CAP_MOD) 3 is specified; only Models 1 & 2 were used in 1996 CCA calculation; PO_MIN value is a placeholder.
2332	CL_L_T1	PO_MIN	WPO#40514 Sec. 4.2.4 (BRAGFLO Analysis Write-Up) pg. 4-155 through 4-156.	PO_MIN is the minimum brine pressure. It is only used when capillary pressure model (CAP_MOD) 3 is specified; only Models 1 & 2 were used in 1996 CCA calculation; PO_MIN value is a placeholder.
2349	CL_L_T2	PO_MIN	WPO#40514 Sec. 4.2.4 (BRAGFLO Analysis Write-Up) pg. 4-155 through 4-156.	PO_MIN is the minimum brine pressure. It is only used when capillary pressure model (CAP_MOD) 3 is specified; only Models 1 & 2 were used in 1996 CCA calculation; PO_MIN value is a placeholder.
2366	CL_L_T3	PO_MIN	WPO#40514 Sec. 4.2.4 (BRAGFLO Analysis Write-Up) pg. 4-155 through 4-156.	PO_MIN is the minimum brine pressure. It is only used when capillary pressure model (CAP_MOD) 3 is specified; only Models 1 & 2 were used in 1996 CCA calculation; PO_MIN value is a placeholder.
2383	CL_M_T1	PO_MIN	WPO#40514 Sec. 4.2.4 (BRAGFLO Analysis Write-Up) pg. 4-155 through 4-156.	PO_MIN is the minimum brine pressure. It is only used when capillary pressure model (CAP_MOD) 3 is specified; only Models 1 & 2 were used in 1996 CCA calculation; PO_MIN value is a placeholder.
2400	CL_M_T2	PO_MIN	WPO#40514 Sec. 4.2.4 (BRAGFLO Analysis Write-Up) pg. 4-155 through 4-156.	PO_MIN is the minimum brine pressure. It is only used when capillary pressure model (CAP_MOD) 3 is specified; only Models 1 & 2 were used in 1996 CCA calculation; PO_MIN value is a placeholder.
2417	CL_M_T3	PO_MIN	WPO#40514 Sec. 4.2.4 (BRAGFLO Analysis Write-Up) pg. 4-155 through 4-156.	PO_MIN is the minimum brine pressure. It is only used when capillary pressure model (CAP_MOD) 3 is specified; only Models 1 & 2 were used in 1996 CCA calculation; PO_MIN value is a placeholder.
2434	CL_M_T4	PO_MIN	WPO#40514 Sec. 4.2.4 (BRAGFLO Analysis Write-Up) pg. 4-155 through 4-156.	PO_MIN is the minimum brine pressure. It is only used when capillary pressure model (CAP_MOD) 3 is specified; only Models 1 & 2 were used in 1996 CCA calculation; PO_MIN value is a placeholder.
2451	CL_M_T5	PO_MIN	WPO#40514 Sec. 4.2.4 (BRAGFLO Analysis Write-Up) pg. 4-155 through 4-156.	PO_MIN is the minimum brine pressure. It is only used when capillary pressure model (CAP_MOD) 3 is specified; only Models 1 & 2 were used in 1996 CCA calculation; PO_MIN value is a placeholder.
2501	EARTH	PO_MIN	WPO#40514 Sec. 4.2.4 (BRAGFLO Analysis Write-Up) pg. 4-155 through 4-156.	PO_MIN is the minimum brine pressure. It is only used when capillary pressure model (CAP_MOD) 3 is specified; only Models 1 & 2 were used in 1996 CCA calculation; PO_MIN value is a placeholder.

Additional Sources

ID	Technical Traceability Documentation	
2281	WPO#36051 Memo: P. Vaughn to M. Tierney 2/20/96	
2315	WPO#36051 Memo: P. Vaughn to M. Tierney 2/20/96	
2332	WPO#36051 Memo: P. Vaughn to M. Tierney 2/20/96	
2349	WPO#36051 Memo: P. Vaughn to M. Tierney 2/20/96	
2366	WPO#36051 Memo: P. Vaughn to M. Tierney 2/20/96	
2383	WPO#36051 Memo: P. Vaughn to M. Tierney 2/20/96	
2400	WPO#36051 Memo: P. Vaughn to M. Tierney 2/20/96	
2417	WPO#36051 Memo: P. Vaughn to M. Tierney 2/20/96	
2434	WPO#36051 Memo: P. Vaughn to M. Tierney 2/20/96	
2451	WPO#36051 Memo: P. Vaughn to M. Tierney 2/20/96	
2501	WPO#36051 Memo: P. Vaughn to M. Tierney 2/20/96	

Additional Sources-

ID	Material ID	Param ID	Technical Traceability Documentation	
2518	SALT_T1	PO_MIN	WPO#40514 Sec. 4.2.4 (BRAGFLO Analysis Write-Up) pg. 4-155 through 4-156.	PO_MIN is the minimum brine pressure. It is only used when capillary pressure model (CAP_MOD) 3 is specified; only Models 1 & 2 were used in 1996 CCA calculation; PO_MIN value is a placeholder.
2535	SALT_T2	PO_MIN	WPO#40514 Sec. 4.2.4 (BRAGFLO Analysis Write-Up) pg. 4-155 through 4-156.	PO_MIN is the minimum brine pressure. It is only used when capillary pressure model (CAP_MOD) 3 is specified; only Models 1 & 2 were used in 1996 CCA calculation; PO_MIN value is a placeholder.
2552	SALT_T3	PO_MIN	WPO#40514 Sec. 4.2.4 (BRAGFLO Analysis Write-Up) pg. 4-155 through 4-156.	PO_MIN is the minimum brine pressure. It is only used when capillary pressure model (CAP_MOD) 3 is specified; only Models 1 & 2 were used in 1996 CCA calculation; PO_MIN value is a placeholder.
2569	SALT_T4	PO_MIN	WPO#40514 Sec. 4.2.4 (BRAGFLO Analysis Write-Up) pg. 4-155 through 4-156.	PO_MIN is the minimum brine pressure. It is only used when capillary pressure model (CAP_MOD) 3 is specified; only Models 1 & 2 were used in 1996 CCA calculation; PO_MIN value is a placeholder.
2623	CAVITY_3	PO_MIN	WPO#40514 Sec. 4.2.4 (BRAGFLO Analysis Write-Up) pg. 4-155 through 4-156.	PO_MIN is the minimum brine pressure. It is only used when capillary pressure model (CAP_MOD) 3 is specified; only Models 1 & 2 were used in 1996 CCA calculation; PO_MIN value is a placeholder.
2628	CAVITY_4	PO_MIN	WPO#40514 Sec. 4.2.4 (BRAGFLO Analysis Write-Up) pg. 4-155 through 4-156.	PO_MIN is the minimum brine pressure. It is only used when capillary pressure model (CAP_MOD) 3 is specified; only Models 1 & 2 were used in 1996 CCA calculation; PO_MIN value is a placeholder.
2718	FORTYNIN	PO_MIN	WPO#40514 Sec. 4.2.4 (BRAGFLO Analysis Write-Up) pg. 4-155 through 4-156.	PO_MIN is the minimum brine pressure. It is only used when capillary pressure model (CAP_MOD) 3 is specified; only Models 1 & 2 were used in 1996 CCA calculation; PO_MIN value is a placeholder.
2728	MAGENTA	PO_MIN	WPO#40514 Sec. 4.2.4 (BRAGFLO Analysis Write-Up) pg. 4-155 through 4-156.	PO_MIN is the minimum brine pressure. It is only used when capillary pressure model (CAP_MOD) 3 is specified; only Models 1 & 2 were used in 1996 CCA calculation; PO_MIN value is a placeholder.
2739	REPOSIT	PO_MIN	WPO#40514 Sec. 4.2.4 (BRAGFLO Analysis Write-Up) pg. 4-155 through 4-156.	PO_MIN is the minimum brine pressure. It is only used when capillary pressure model (CAP_MOD) 3 is specified; only Models 1 & 2 were used in 1996 CCA calculation; PO_MIN value is a placeholder.
2796	TAMARISK	PO_MIN	WPO#40514 Sec. 4.2.4 (BRAGFLO Analysis Write-Up) pg. 4-155 through 4-156.	PO_MIN is the minimum brine pressure. It is only used when capillary pressure model (CAP_MOD) 3 is specified; only Models 1 & 2 were used in 1996 CCA calculation; PO_MIN value is a placeholder.
2802	UNNAMED	PO_MIN	WPO#40514 Sec. 4.2.4 (BRAGFLO Analysis Write-Up) pg. 4-155 through 4-156.	PO_MIN is the minimum brine pressure. It is only used when capillary pressure model (CAP_MOD) 3 is specified; only Models 1 & 2 were used in 1996 CCA calculation; PO_MIN value is a placeholder.

Additional Sources

ID	Technical Traceability Documentation	
2518	WPO#36051 Memo: P. Vaughn to M. Tierney 2/20/96	
2535	WPO#36051 Memo: P. Vaughn to M. Tierney 2/20/96	
2552	WPO#36051 Memo: P. Vaughn to M. Tierney 2/20/96	
2569	WPO#36051 Memo: P. Vaughn to M. Tierney 2/20/96	
2623	WPO#36051 Memo: P. Vaughn to M. Tierney 2/20/96	Memo: Vaughn to Tierney 2/14/96 Constant Values for CAVITY 1,2,3,4, Parameters
2628	WPO#36051 Memo: P. Vaughn to M. Tierney 2/20/96	Memo: Vaughn to Tierney 2/14/96 Constant Values for CAVITY 1,2,3,4, Parameters
2718	WPO#36051 Memo: P. Vaughn to M. Tierney 2/20/96	
2728	WPO#36051 Memo: P. Vaughn to M. Tierney 2/20/96	
2739	WPO#36051 Memo: P. Vaughn to M. Tierney 2/20/96	
2796	WPO#36051 Memo: P. Vaughn to M. Tierney 2/20/96	
2802	WPO#36051 Memo: P. Vaughn to M. Tierney 2/20/96	

Additional Sources

ID	Material ID	Param ID	Technical Traceability Documentation	
2808	CONC_T2	PO_MIN	WPO#40514 Sec. 4.2.4 (BRAGFLO Analysis Write-Up) pg. 4-155 through 4-156.	PO_MIN is the minimum brine pressure. It is only used when capillary pressure model (CAP_MOD) 3 is specified; only Models 1 & 2 were used in 1996 CCA calculation; PO_MIN value is a placeholder.
3123	CL_L_T4	PO_MIN	WPO#40514 Sec. 4.2.4 (BRAGFLO Analysis Write-Up) pg. 4-155 through 4-156.	PO_MIN is the minimum brine pressure. It is only used when capillary pressure model (CAP_MOD) 3 is specified; only Models 1 & 2 were used in 1996 CCA calculation; PO_MIN value is a placeholder.
3124	CONC_MON	PO_MIN	WPO#40514 Sec. 4.2.4 (BRAGFLO Analysis Write-Up) pg. 4-155 through 4-156.	PO_MIN is the minimum brine pressure. It is only used when capillary pressure model (CAP_MOD) 3 is specified; only Models 1 & 2 were used in 1996 CCA calculation; PO_MIN value is a placeholder.
3125	SALT_T5	PO_MIN	WPO#40514 Sec. 4.2.4 (BRAGFLO Analysis Write-Up) pg. 4-155 through 4-156.	PO_MIN is the minimum brine pressure. It is only used when capillary pressure model (CAP_MOD) 3 is specified; only Models 1 & 2 were used in 1996 CCA calculation; PO_MIN value is a placeholder.
3126	SALT_T6	PO_MIN	WPO#40514 Sec. 4.2.4 (BRAGFLO Analysis Write-Up) pg. 4-155 through 4-156.	PO_MIN is the minimum brine pressure. It is only used when capillary pressure model (CAP_MOD) 3 is specified; only Models 1 & 2 were used in 1996 CCA calculation; PO_MIN value is a placeholder.
3131	CLAY_RUS	PO_MIN	WPO#40514 Sec. 4.2.4 (BRAGFLO Analysis Write-Up) pg. 4-155 through 4-156.	PO_MIN is the minimum brine pressure. It is only used when capillary pressure model (CAP_MOD) 3 is specified; only Models 1 & 2 were used in 1996 CCA calculation; PO_MIN value is a placeholder.
3143	BH_OPEN	PO_MIN	WPO#40514 Sec. 4.2.4 (BRAGFLO Analysis Write-Up) pg. 4-155 through 4-156.	PO_MIN is the minimum brine pressure. It is only used when capillary pressure model (CAP_MOD) 3 is specified; only Models 1 & 2 were used in 1996 CCA calculation; PO_MIN value is a placeholder.
3155	CONC_PLG	PO_MIN	WPO#40514 Sec. 4.2.4 (BRAGFLO Analysis Write-Up) pg. 4-155 through 4-156.	PO_MIN is the minimum brine pressure. It is only used when capillary pressure model (CAP_MOD) 3 is specified; only Models 1 & 2 were used in 1996 CCA calculation; PO_MIN value is a placeholder.
3167	BH_SAND	PO_MIN	WPO#40514 Sec. 4.2.4 (BRAGFLO Analysis Write-Up) pg. 4-155 through 4-156.	PO_MIN is the minimum brine pressure. It is only used when capillary pressure model (CAP_MOD) 3 is specified; only Models 1 & 2 were used in 1996 CCA calculation; PO_MIN value is a placeholder.
3179	BH_CREEP	PO_MIN	WPO#40514 Sec. 4.2.4 (BRAGFLO Analysis Write-Up) pg. 4-155 through 4-156.	PO_MIN is the minimum brine pressure. It is only used when capillary pressure model (CAP_MOD) 3 is specified; only Models 1 & 2 were used in 1996 CCA calculation; PO_MIN value is a placeholder.
587	S_MB139	PORE_DIS	PRP WPO#30643	Core Labs AF-3945 T=0 memo WPO 42351
566	S_MB138	PORE_DIS	PRP WPO#30643	Core Labs AF-3945 T=0 memo WPO 42351

Additional Sources

ID	Technical Traceability Documentation	
2808	WPO#36051 Memo: P. Vaughn to M. Tierney 2/20/96	
3123	WPO#36051 Memo: P. Vaughn to M. Tierney 2/20/96	
3124	WPO#36051 Memo: P. Vaughn to M. Tierney 2/20/96	
3125	WPO#36051 Memo: P. Vaughn to M. Tierney 2/20/96	
3126	WPO#36051 Memo: P. Vaughn to M. Tierney 2/20/96	
3131	WPO#36051 Memo: P. Vaughn to M. Tierney 2/20/96	
3143	WPO#36051 Memo: P. Vaughn to M. Tierney 2/20/96	WPO#35134 Memo: Vaughn to Tierney "Borehole Properties" 3/13/96" (handwritten 4 page note with parameter values - contains an email cover page).
3155	WPO#36051 Memo: P. Vaughn to M. Tierney 2/20/96	WPO#35134 Memo: Vaughn to Tierney "Borehole Properties" 3/13/96" (handwritten 4 page note with parameter values - contains an email cover page).
3167	WPO#36051 Memo: P. Vaughn to M. Tierney 2/20/96	WPO#35134 Memo: Vaughn to Tierney "Borehole Properties" 3/13/96" (handwritten 4 page note with parameter values - contains an email cover page).
3179	WPO#36051 Memo: P. Vaughn to M. Tierney 2/20/96	WPO#35134 Memo: Vaughn to Tierney "Borehole Properties" 3/13/96" (handwritten 4 page note with parameter values - contains an email cover page).
587	WPO#30643 SWCF-A:WBS1.2.07.1:PDD:QA:Salado:PKG10:Anh2 Phase Parameters	
566	WPO#30643 SWCF-A:WBS1.2.07.1:PDD:QA:Salado:PKG10:Anh2 Phase Parameters	

Additional Sources

ID	Material ID	Param ID	Technical Traceability Documentation	
527	S_ANH_AB	PORE_DIS	PRP WPO#30643	Core Labs AF-3945 T=0 memo WPO 42351
588	S_MB139	POROSITY		
567	S_MB138	POROSITY		
528	S_ANH_AB	POROSITY		
590	S_MB139	PRESSURE	Not used per BRAGFLO analysis p. 4-2 - see also BRAGFLO analysis p. 4-124 and Section 3.2.3	WPO#31185 SWCF-A:WBS1.2.07.1:PDD:QA:Salado:PKG12:Anyh drite Pressure
569	S_MB138	PRESSURE	Not used per BRAGFLO analysis p. 4-2 - see also BRAGFLO analysis p. 4-124 and Section 3.2.3	WPO#31185 SWCF-A:WBS1.2.07.1:PDD:QA:Salado:PKG12:Anyh drite Pressure
591	S_MB139	PRMX_LOG	WPO#30603, WPO#30605, WPO#30606, WPO#31217 SWCF-A:WBS1.2.07.1:PDD:QA:Salado:Pkg13:Permeability	WPO#41677 Memo: Tierney to Dotson "Justification memo for choice of anhydrite permeabilities (MB138, MB139, Anh A&B", 10/30/96. Discusses defining the values for anhydrite permeabilities (a somewhat condensed version of WPO#39065).
592	S_MB139	PRMY_LOG	WPO#30603, WPO#30605, WPO#30606, WPO#31217 SWCF-A:WBS1.2.07.1:PDD:QA:Salado:Pkg13:Permeability	WPO#41677 Memo: Tierney to Dotson "Justification memo for choice of anhydrite permeabilities (MB138, MB139, Anh A&B", 10/30/96. Discusses defining the values for anhydrite permeabilities (a somewhat condensed version of WPO#39065).
593	S_MB139	PRMZ_LOG	WPO#30603, WPO#30605, WPO#30606, WPO#31217 SWCF-A:WBS1.2.07.1:PDD:QA:Salado:Pkg13:Permeability	WPO#41677 Memo: Tierney to Dotson "Justification memo for choice of anhydrite permeabilities (MB138, MB139, Anh A&B", 10/30/96. Discusses defining the values for anhydrite permeabilities (a somewhat condensed version of WPO#39065).
570	S_MB138	PRMX_LOG	WPO#30603, WPO#30605, WPO#30606, WPO#31217 SWCF-A:WBS1.2.07.1:PDD:QA:Salado:Pkg13:Permeability	WPO#41677 Memo: Tierney to Dotson "Justification memo for choice of anhydrite permeabilities (MB138, MB139, Anh A&B", 10/30/96. Discusses defining the values for anhydrite permeabilities (a somewhat condensed version of WPO#39065).
571	S_MB138	PRMY_LOG	WPO#30603, WPO#30605, WPO#30606, WPO#31217 SWCF-A:WBS1.2.07.1:PDD:QA:Salado:Pkg13:Permeability	WPO#41677 Memo: Tierney to Dotson "Justification memo for choice of anhydrite permeabilities (MB138, MB139, Anh A&B", 10/30/96. Discusses defining the values for anhydrite permeabilities (a somewhat condensed version of WPO#39065).

Additional Sources

ID	Technical Traceability Documentation	
527	WPO#30643 SWCF- A:WBS1.2.07.1:PDD:QA:Salado:PKG10:Anh2 Phase Parameters	
588	WPO#30600 SWCF- A:WBS1.2.07.1:PDD:QA:Salado:PKG11:Porosity effective porosity/anh	
567	WPO#30600 SWCF- A:WBS1.2.07.1:PDD:QA:Salado:PKG11:Porosity effective porosity/anh	
528	WPO#30600 SWCF- A:WBS1.2.07.1:PDD:QA:Salado:PKG11:Porosity effective porosity/anh	
590		
569	WPO#41247 pg 4-29 "WIPP Natural Barriers Data Qualification Peer Review Report" Aug 96 states value was derived from 5 borehole tests. GTFM 6.0 code was used to estimate undisturbed pressure.	
591	WPO#39065 Memo: Christian-Frear to Howard "Parameter Resolution for Salado Anhydrite Permeability, 6/26/96. Discusses how values for anhydrite porosity and permeability were derived using data from a laboratory and field tests.	
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ID	Material ID	Param ID	Technical Traceability Documentation	
572	S_MB138	PRMZ_LOG	WPO#30603, WPO#30605, WPO#30606, WPO#31217 SWCF- A:WBS1.2.07.1:PDD:QA:Salado:Pkg13:Permeability	WPO#41677 Memo: Tierney to Dotson "Justification memo for choice of anhydrite permeabilities (MB138, MB139, Anh A&B", 10/30/96. Discusses defining the values for anhydrite permeabilities (a somewhat condensed version of WPO#39065).
531	S_ANH_AB	PRMX_LOG	WPO#30603, WPO#30605, WPO#30606, WPO#31217 SWCF- A:WBS1.2.07.1:PDD:QA:Salado:Pkg13:Permeability	WPO#41677 Memo: Tierney to Dotson "Justification memo for choice of anhydrite permeabilities (MB138, MB139, Anh A&B", 10/30/96. Discusses defining the values for anhydrite permeabilities (a somewhat condensed version of WPO#39065).
532	S_ANH_AB	PRMY_LOG	WPO#30603, WPO#30605, WPO#30606, WPO#31217 SWCF- A:WBS1.2.07.1:PDD:QA:Salado:Pkg13:Permeability	WPO#41677 Memo: Tierney to Dotson "Justification memo for choice of anhydrite permeabilities (MB138, MB139, Anh A&B", 10/30/96. Discusses defining the values for anhydrite permeabilities (a somewhat condensed version of WPO#39065).
533	S_ANH_AB	PRMZ_LOG	WPO#30603, WPO#30605, WPO#30606, WPO#31217 SWCF- A:WBS1.2.07.1:PDD:QA:Salado:Pkg13:Permeability	WPO#41677 Memo: Tierney to Dotson "Justification memo for choice of anhydrite permeabilities (MB138, MB139, Anh A&B", 10/30/96. Discusses defining the values for anhydrite permeabilities (a somewhat condensed version of WPO#39065).
596	S_MB139	RELP_MOD	WPO#30643 SWCF- A:WBS.1.2.07.1:PDD:QA:Salado:PKG10:Anh 2 Phase Parameters.	
575	S_MB138	RELP_MOD	WPO#30643 SWCF- A:WBS.1.2.07.1:PDD:QA:Salado:PKG10:Anh 2 Phase Parameters.	
536	S_ANH_AB	RELP_MOD	WPO#30643 SWCF- A:WBS.1.2.07.1:PDD:QA:Salado:PKG10:Anh 2 Phase Parameters.	
597	S_MB139	SAT_IBRN	WPO#30643 SWCF- A:WBS.1.2.07.1:PDD:QA:Salado:PKG10:Anh 2 Phase Parameters.	
576	S_MB138	SAT_IBRN	WPO#30643 SWCF- A:WBS.1.2.07.1:PDD:QA:Salado:PKG10:Anh 2 Phase Parameters.	
537	S_ANH_AB	SAT_IBRN	WPO#30643 SWCF- A:WBS.1.2.07.1:PDD:QA:Salado:PKG10:Anh 2 Phase Parameters.	
598	S_MB139	SAT_RBRN	WPO#30643 SWCF- A:WBS.1.2.07.1:PDD:QA:Salado:PKG10:Anh 2 Phase Parameters.	
577	S_MB138	SAT_RBRN	WPO#30643 SWCF- A:WBS.1.2.07.1:PDD:QA:Salado:PKG10:Anh 2 Phase Parameters.	
538	S_ANH_AB	SAT_RBRN	WPO#30643 SWCF- A:WBS.1.2.07.1:PDD:QA:Salado:PKG10:Anh 2 Phase Parameters.	
599	S_MB139	SAT_RGAS	WPO#30643 SWCF- A:WBS.1.2.07.1:PDD:QA:Salado:PKG10:Anh 2 Phase Parameters.	

Additional Sources

ID	Technical Traceability Documentation	
572	WPO#39065 Memo: Christian-Frear to Howard "Parameter Resolution for Salado Anhydrite Permeability, 6/26/96. Discusses how values for anhydrite porosity and permeability were derived using data from a laboratory and field tests.	
531	WPO#39065 Memo: Christian-Frear to Howard "Parameter Resolution for Salado Anhydrite Permeability, 6/26/96. Discusses how values for anhydrite porosity and permeability were derived using data from a laboratory and field tests.	
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Additional Sources

ID	Material ID	Param ID	Technical Traceability Documentation	
578	S_MB138	SAT_RGAS	WPO#30643 SWCF-A:WBS.1.2.07.1:PDD:QA:Salado:PKG10:Anh 2 Phase Parameters.	
539	S_ANH_AB	SAT_RGAS	WPO#30643 SWCF-A:WBS.1.2.07.1:PDD:QA:Salado:PKG10:Anh 2 Phase Parameters.	
2939	SALT_T1	CUMPROB	WPO#37542 Memo: P.Vaughn and D. McArthur to M. Tierney "CUMPROB Parameter Definition and Usage" 5/20/96	
2516	SALT_T1	PORE_DIS	WPO#30640: WIPP Shaft Seal System BRAGFLO Parameters, SWCF-A:1.1.03.2.1:QA:PDD Sec II Vol 2, 2.5.7; Sec I Vol 4 4.3	WPO#32287 Memo: Hurtado to Tierney 2/12/90. WPO#39058 memo: McCord to M. Tierney "Statement of impact of pore distribution range error on BRAGFLO CCA calculation 7/3/96.
2533	SALT_T2	PORE_DIS	WPO#30640: WIPP Shaft Seal System BRAGFLO Parameters, SWCF-A:1.1.03.2.1:QA:PDD Sec II Vol 2, 2.5.7; Sec I Vol 4 4.3	WPO#32287 Memo: Hurtado to Tierney 2/12/90. WPO#39058 memo: McCord to M. Tierney "Statement of impact of pore distribution range error on BRAGFLO CCA calculation 7/3/96.
2550	SALT_T3	PORE_DIS	WPO#30640: WIPP Shaft Seal System BRAGFLO Parameters, SWCF-A:1.1.03.2.1:QA:PDD Sec II Vol 2, 2.5.7; Sec I Vol 4 4.3	WPO#32287 Memo: Hurtado to Tierney 2/12/90. WPO#39058 memo: McCord to M. Tierney "Statement of impact of pore distribution range error on BRAGFLO CCA calculation 7/3/96.
2567	SALT_T4	PORE_DIS	WPO#30640: WIPP Shaft Seal System BRAGFLO Parameters, SWCF-A:1.1.03.2.1:QA:PDD Sec II Vol 2, 2.5.7; Sec I Vol 4 4.3	WPO#32287 Memo: Hurtado to Tierney 2/12/90. WPO#39058 memo: McCord to M. Tierney "Statement of impact of pore distribution range error on BRAGFLO CCA calculation 7/3/96.
2809	SALT_T5	PORE_DIS	WPO#30640: WIPP Shaft Seal System BRAGFLO Parameters, SWCF-A:1.1.03.2.1:QA:PDD Sec II Vol 2, 2.5.7; Sec I Vol 4 4.3	WPO#32287 Memo: Hurtado to Tierney 2/12/90. WPO#39058 memo: McCord to M. Tierney "Statement of impact of pore distribution range error on BRAGFLO CCA calculation 7/3/96.
2989	SALT_T6	PORE_DIS	WPO#30640: WIPP Shaft Seal System BRAGFLO Parameters, SWCF-A:1.1.03.2.1:QA:PDD Sec II Vol 2, 2.5.7; Sec I Vol 4 4.3	WPO#32287 Memo: L. D. Hurtado to M. Tierney "Correction of Lamda Distribution" 2/12/96
2499	EARTH	PORE_DIS	WPO#30640: WIPP Shaft Seal System BRAGFLO Parameters, SWCF-A:1.1.03.2.1:QA:PDD Sec II Vol 2, 2.1.9	WPO#32287 Memo:L. D. Hurtado to M. Tierney "Correction of Lamda Distribution" 2/12/96.
3006	CLAY_RUS	PORE_DIS	WPO#30640: WIPP Shaft Seal System BRAGFLO Parameters, SWCF-A:1.1.03.2.1:QA:PDD Sec II Vol 2, 2.1.9; Sec I Vol 4 4.2	WPO#32287 Memo:L. D. Hurtado to M. Tierney "Correction of Lamda Distribution" 2/12/96.
2330	CL_L_T1	PORE_DIS	WPO#30640: WIPP Shaft Seal System BRAGFLO Parameters, SWCF-A:1.1.03.2.1:QA:PDD Sec II Vol 2, 2.1.9; Sec I Vol 4 4.2	WPO#32287 Memo:L. D. Hurtado to M. Tierney "Correction of Lamda Distribution" 2/12/96.
2347	CL_L_T2	PORE_DIS	WPO#30640: WIPP Shaft Seal System BRAGFLO Parameters, SWCF-A:1.1.03.2.1:QA:PDD Sec II Vol 2, 2.1.9; Sec I Vol 4 4.2	WPO#32287 Memo:L. D. Hurtado to M. Tierney "Correction of Lamda Distribution" 2/12/96.
2364	CL_L_T3	PORE_DIS	WPO#30640: WIPP Shaft Seal System BRAGFLO Parameters, SWCF-A:1.1.03.2.1:QA:PDD Sec II Vol 2, 2.1.9; Sec I Vol 4 4.2	WPO#32287 Memo:L. D. Hurtado to M. Tierney "Correction of Lamda Distribution" 2/12/96.

Additional Sources

ID	Technical Traceability Documentation	
578		
539		
2939		
2516		
2533		
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Additional Sources

ID	Material ID	Param ID	Technical Traceability Documentation	
3076	CL_L_T4	PORE_DIS	WPO#30640: WIPP Shaft Seal System BRAGFLO Parameters, SWCF-A:1.1.03.2.1:QA:PDD Sec II Vol 2, 2.1.9; Sec I Vol 4 4.2	WPO#32287 Memo:L. D. Hurtado to M. Tierney "Correction of Lamda Distribution" 2/12/96.
2381	CL_M_T1	PORE_DIS	WPO#30640: WIPP Shaft Seal System BRAGFLO Parameters, SWCF-A:1.1.03.2.1:QA:PDD Sec II Vol 2, 2.1.9; Sec I Vol 4 4.2	WPO#32287 Memo:L. D. Hurtado to M. Tierney "Correction of Lamda Distribution" 2/12/96.
2398	CL_M_T2	PORE_DIS	WPO#30640: WIPP Shaft Seal System BRAGFLO Parameters, SWCF-A:1.1.03.2.1:QA:PDD Sec II Vol 2, 2.1.9; Sec I Vol 4 4.2	WPO#32287 Memo:L. D. Hurtado to M. Tierney "Correction of Lamda Distribution" 2/12/96.
2415	CL_M_T3	PORE_DIS	WPO#30640: WIPP Shaft Seal System BRAGFLO Parameters, SWCF-A:1.1.03.2.1:QA:PDD Sec II Vol 2, 2.1.9; Sec I Vol 4 4.2	WPO#32287 Memo:L. D. Hurtado to M. Tierney "Correction of Lamda Distribution" 2/12/96.
2432	CL_M_T4	PORE_DIS	WPO#30640: WIPP Shaft Seal System BRAGFLO Parameters, SWCF-A:1.1.03.2.1:QA:PDD Sec II Vol 2, 2.1.9; Sec I Vol 4 4.2	WPO#32287 Memo:L. D. Hurtado to M. Tierney "Correction of Lamda Distribution" 2/12/96.
2449	CL_M_T5	PORE_DIS	WPO#30640: WIPP Shaft Seal System BRAGFLO Parameters, SWCF-A:1.1.03.2.1:QA:PDD Sec II Vol 2, 2.1.9; Sec I Vol 4 4.2	WPO#32287 Memo:L. D. Hurtado to M. Tierney "Correction of Lamda Distribution" 2/12/96.
2313	CLAY_BOT	PORE_DIS	WPO#30640: WIPP Shaft Seal System BRAGFLO Parameters, SWCF-A:1.1.03.2.1:QA:PDD Sec II Vol 2, 2.1.9; Sec I Vol 4 4.2	WPO#32287 Memo:L. D. Hurtado to M. Tierney "Correction of Lamda Distribution" 2/12/96.
2466	CONC_T1	PORE_DIS	WPO#30640: WIPP Shaft Seal System BRAGFLO Parameters, SWCF-A:1.1.03.2.1:QA:PDD Sec II Vol 2, 2.1.9	WPO#32287 Memo:L. D. Hurtado to M. Tierney "Correction of Lamda Distribution" 2/12/96.
2483	CONC_T2	PORE_DIS	WPO#30640: WIPP Shaft Seal System BRAGFLO Parameters, SWCF-A:1.1.03.2.1:QA:PDD Sec II Vol 2, 2.1.9	WPO#32287 Memo:L. D. Hurtado to M. Tierney "Correction of Lamda Distribution" 2/12/96.
3057	CONC_MON	PORE_DIS	WPO#30640: WIPP Shaft Seal System BRAGFLO Parameters, SWCF-A:1.1.03.2.1:QA:PDD Sec II Vol 2, 2.4.7; Sec I Vol 4 4.4	WPO#32287 Memo:L. D. Hurtado to M. Tierney "Correction of Lamda Distribution" 2/12/96.
2279	ASPHALT	PORE_DIS	WPO#30640: WIPP Shaft Seal System BRAGFLO Parameters, SWCF-A:1.1.03.2.1:QA:PDD Sec II Vol 2, 2.1.9; Sec I Vol 4 4.5	WPO#32287 Memo:L. D. Hurtado to M. Tierney "Correction of Lamda Distribution" 2/12/96.
2528	SALT_T1	SAT_RBRN	WPO#30640: WIPP Shaft Seal System BRAGFLO Parameters, SWCF-A:1.1.03.2.1:QA:PDD Sec II Vol 2, 2.5.5; Sec I Vol 4 4.3	
2545	SALT_T2	SAT_RBRN	WPO#30640: WIPP Shaft Seal System BRAGFLO Parameters, SWCF-A:1.1.03.2.1:QA:PDD Sec II Vol 2, 2.5.5; Sec I Vol 4 4.3	
2562	SALT_T3	SAT_RBRN	WPO#30640: WIPP Shaft Seal System BRAGFLO Parameters, SWCF-A:1.1.03.2.1:QA:PDD Sec II Vol 2, 2.5.5; Sec I Vol 4 4.3	
2579	SALT_T4	SAT_RBRN	WPO#30640: WIPP Shaft Seal System BRAGFLO Parameters, SWCF-A:1.1.03.2.1:QA:PDD Sec II Vol 2, 2.5.5; Sec I Vol 4 4.3	

Additional Sources

ID	Technical Traceability Documentation	
3076		
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Additional Sources

ID	Material ID	Param ID	Technical Traceability Documentation
2596	SALT_T5	SAT_RBRN	WPO#30640: WIPP Shaft Seal System BRAGFLO Parameters, SWCF- A:1.1.03.2.1:QA:PDD Sec II Vol 2, 2.5.5; Sec I Vol 4 4.3
2992	SALT_T6	SAT_RBRN	WPO#30640: WIPP Shaft Seal System BRAGFLO Parameters, SWCF- A:1.1.03.2.1:QA:PDD Sec II Vol 2, 2.5.5; Sec I Vol 4 4.3
2511	EARTH	SAT_RBRN	WPO#30640: WIPP Shaft Seal System BRAGFLO Parameters, SWCF- A:1.1.03.2.1:QA:PDD Sec II Vol 2, 2.2.7
3014	CLAY_RUS	SAT_RBRN	WPO#30640: WIPP Shaft Seal System BRAGFLO Parameters, SWCF- A:1.1.03.2.1:QA:PDD Sec II Vol 2, 2.2.7; Sec I Vol 4 4.2
2342	CL_L_T1	SAT_RBRN	WPO#30640: WIPP Shaft Seal System BRAGFLO Parameters, SWCF- A:1.1.03.2.1:QA:PDD Sec II Vol 2, 2.2.7; Sec I Vol 4 4.2
2359	CL_L_T2	SAT_RBRN	WPO#30640: WIPP Shaft Seal System BRAGFLO Parameters, SWCF- A:1.1.03.2.1:QA:PDD Sec II Vol 2, 2.2.7; Sec I Vol 4 4.2
2376	CL_L_T3	SAT_RBRN	WPO#30640: WIPP Shaft Seal System BRAGFLO Parameters, SWCF- A:1.1.03.2.1:QA:PDD Sec II Vol 2, 2.2.7; Sec I Vol 4 4.2
3082	CL_L_T4	SAT_RBRN	WPO#30640: WIPP Shaft Seal System BRAGFLO Parameters, SWCF- A:1.1.03.2.1:QA:PDD Sec II Vol 2, 2.2.7; Sec I Vol 4 4.2
2393	CL_M_T1	SAT_RBRN	WPO#30640: WIPP Shaft Seal System BRAGFLO Parameters, SWCF- A:1.1.03.2.1:QA:PDD Sec II Vol 2, 2.2.7; Sec I Vol 4 4.2
2410	CL_M_T2	SAT_RBRN	WPO#30640: WIPP Shaft Seal System BRAGFLO Parameters, SWCF- A:1.1.03.2.1:QA:PDD Sec II Vol 2, 2.2.7; Sec I Vol 4 4.2
2427	CL_M_T3	SAT_RBRN	WPO#30640: WIPP Shaft Seal System BRAGFLO Parameters, SWCF- A:1.1.03.2.1:QA:PDD Sec II Vol 2, 2.2.7; Sec I Vol 4 4.2
2444	CL_M_T4	SAT_RBRN	WPO#30640: WIPP Shaft Seal System BRAGFLO Parameters, SWCF- A:1.1.03.2.1:QA:PDD Sec II Vol 2, 2.2.7; Sec I Vol 4 4.2
2461	CL_M_T5	SAT_RBRN	WPO#30640: WIPP Shaft Seal System BRAGFLO Parameters, SWCF- A:1.1.03.2.1:QA:PDD Sec II Vol 2, 2.2.7; Sec I Vol 4 4.2
2325	CLAY_BOT	SAT_RBRN	WPO#30640: WIPP Shaft Seal System BRAGFLO Parameters, SWCF- A:1.1.03.2.1:QA:PDD Sec II Vol 2, 2.2.7; Sec I Vol 4 4.2

Additional Sources

ID	Technical Traceability Documentation	
2596		
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Additional Sources

ID	Material ID	Param ID	Technical Traceability Documentation	
2478	CONC_T1	SAT_RBRN	WPO#30640: WIPP Shaft Seal System BRAGFLO Parameters, SWCF- A:1.1.03.2.1:QA:PDD Sec II Vol 2, 2.4.5; Sec I Vol 4 4.4	
2494	CONC_T2	SAT_RBRN	WPO#30640: WIPP Shaft Seal System BRAGFLO Parameters, SWCF- A:1.1.03.2.1:QA:PDD Sec II Vol 2, 2.4.5; Sec I Vol 4 4.4	
3063	CONC_MON	SAT_RBRN	WPO#30640: WIPP Shaft Seal System BRAGFLO Parameters, SWCF- A:1.1.03.2.1:QA:PDD Sec II Vol 2, 2.4.5; Sec I Vol 4 4.4	
2291	ASPHALT	SAT_RBRN	WPO#30640: WIPP Shaft Seal System BRAGFLO Parameters, SWCF- A:1.1.03.2.1:QA:PDD Sec II Vol 2, 2.2.7; Sec I Vol 4, 4.5	
2529	SALT_T1	SAT_RGAS	WPO#30640: WIPP Shaft Seal System BRAGFLO Parameters, SWCF- A:1.1.03.2.1:QA:PDD Sec II Vol 2, 2.5.6; Sec I Vol 4 4.3	Literature: Mayer et al. (1992) pg 173
2546	SALT_T2	SAT_RGAS	WPO#30640: WIPP Shaft Seal System BRAGFLO Parameters, SWCF- A:1.1.03.2.1:QA:PDD Sec II Vol 2, 2.5.6; Sec I Vol 4 4.3	Literature: Mayer et al. (1992) pg 173
2563	SALT_T3	SAT_RGAS	WPO#30640: WIPP Shaft Seal System BRAGFLO Parameters, SWCF- A:1.1.03.2.1:QA:PDD Sec II Vol 2, 2.5.6; Sec I Vol 4 4.3	Literature: Mayer et al. (1992) pg 173
2580	SALT_T4	SAT_RGAS	WPO#30640: WIPP Shaft Seal System BRAGFLO Parameters, SWCF- A:1.1.03.2.1:QA:PDD Sec II Vol 2, 2.5.6; Sec I Vol 4 4.3	Literature: Mayer et al. (1992) pg 173
2597	SALT_T5	SAT_RGAS	WPO#30640: WIPP Shaft Seal System BRAGFLO Parameters, SWCF- A:1.1.03.2.1:QA:PDD Sec II Vol 2, 2.5.6; Sec I Vol 4 4.3	Literature: Mayer et al. (1992) pg 173
2993	SALT_T6	SAT_RGAS	WPO#30640: WIPP Shaft Seal System BRAGFLO Parameters, SWCF- A:1.1.03.2.1:QA:PDD Sec II Vol 2, 2.5.6; Sec I Vol 4 4.3	Literature: Mayer et al. (1992) pg 173
2512	EARTH	SAT_RGAS	WPO#30640: WIPP Shaft Seal System BRAGFLO Parameters, SWCF- A:1.1.03.2.1:QA:PDD Sec II Vol 2, 2.1.8	
3015	CLAY_RUS	SAT_RGAS	WPO#30640: WIPP Shaft Seal System BRAGFLO Parameters, SWCF- A:1.1.03.2.1:QA:PDD Sec II Vol 2, 2.1.8; Sec I Vol 4 4.2	Literature: Mayer et al. (1992) pg 173
2343	CL_L_T1	SAT_RGAS	WPO#30640: WIPP Shaft Seal System BRAGFLO Parameters, SWCF- A:1.1.03.2.1:QA:PDD Sec II Vol 2, 2.1.8; Sec I Vol 4 4.2	Literature: Mayer et al. (1992) pg 173
2360	CL_L_T2	SAT_RGAS	WPO#30640: WIPP Shaft Seal System BRAGFLO Parameters, SWCF- A:1.1.03.2.1:QA:PDD Sec II Vol 2, 2.1.8; Sec I Vol 4 4.2	Literature: Mayer et al. (1992) pg 173

Additional Sources

ID	Technical Traceability Documentation	
2478		
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Additional Sources

ID	Material ID	Param ID	Technical Traceability Documentation	
2377	CL_L_T3	SAT_RGAS	WPO#30640: WIPP Shaft Seal System BRAGFLO Parameters, SWCF-A:1.1.03.2.1:QA:PDD Sec II Vol 2, 2.1.8; Sec I Vol 4 4.2	Literature: Mayer et al. (1992) pg 173
3083	CL_L_T4	SAT_RGAS	WPO#30640: WIPP Shaft Seal System BRAGFLO Parameters, SWCF-A:1.1.03.2.1:QA:PDD Sec II Vol 2, 2.1.8; Sec I Vol 4 4.2	Literature: Mayer et al. (1992) pg 173
2394	CL_M_T1	SAT_RGAS	WPO#30640: WIPP Shaft Seal System BRAGFLO Parameters, SWCF-A:1.1.03.2.1:QA:PDD Sec II Vol 2, 2.1.8; Sec I Vol 4 4.2	Literature: Mayer et al. (1992) pg 173
2411	CL_M_T2	SAT_RGAS	WPO#30640: WIPP Shaft Seal System BRAGFLO Parameters, SWCF-A:1.1.03.2.1:QA:PDD Sec II Vol 2, 2.1.8; Sec I Vol 4 4.2	Literature: Mayer et al. (1992) pg 173
2428	CL_M_T3	SAT_RGAS	WPO#30640: WIPP Shaft Seal System BRAGFLO Parameters, SWCF-A:1.1.03.2.1:QA:PDD Sec II Vol 2, 2.1.8; Sec I Vol 4 4.2	Literature: Mayer et al. (1992) pg 173
2445	CL_M_T4	SAT_RGAS	WPO#30640: WIPP Shaft Seal System BRAGFLO Parameters, SWCF-A:1.1.03.2.1:QA:PDD Sec II Vol 2, 2.1.8; Sec I Vol 4 4.2	Literature: Mayer et al. (1992) pg 173
2462	CL_M_T5	SAT_RGAS	WPO#30640: WIPP Shaft Seal System BRAGFLO Parameters, SWCF-A:1.1.03.2.1:QA:PDD Sec II Vol 2, 2.1.8; Sec I Vol 4 4.2	Literature: Mayer et al. (1992) pg 173
2326	CLAY_BOT	SAT_RGAS	WPO#30640: WIPP Shaft Seal System BRAGFLO Parameters, SWCF-A:1.1.03.2.1:QA:PDD Sec II Vol 2, 2.1.8; Sec I Vol 4 4.2	Literature: Mayer et al. (1992) pg 173
2479	CONC_T1	SAT_RGAS	WPO#30640: WIPP Shaft Seal System BRAGFLO Parameters, SWCF-A:1.1.03.2.1:QA:PDD Sec II Vol 2, 2.4.6; Sec I Vol 4 4.4	Mayer et al. (1992) pg 173
2495	CONC_T2	SAT_RGAS	WPO#30640: WIPP Shaft Seal System BRAGFLO Parameters, SWCF-A:1.1.03.2.1:QA:PDD Sec II Vol 2, 2.4.6; Sec I Vol 4 4.4	Mayer et al. (1992) pg 173
3064	CONC_MON	SAT_RGAS	WPO#30640: WIPP Shaft Seal System BRAGFLO Parameters, SWCF-A:1.1.03.2.1:QA:PDD Sec II Vol 2, 2.4.6; Sec I Vol 4 4.4	Mayer et al. (1992) pg 173
2292	ASPHALT	SAT_RGAS	WPO#30640: WIPP Shaft Seal System BRAGFLO Parameters, SWCF-A:1.1.03.2.1:QA:PDD Sec II Vol 2, 2.1.8; Sec I Vol 4 4.5	
344	SANTAROS	PRMX_LOG	WPO#41118 Groundwater, Freeze and Cherry, 1979 p.29 Table 2-2 gives a best estimate range for sandstone permeability's. See form 464 for citation.	SAND 78-1596 the full name of the formation is the Santa Rosa Sandstone. There is no empirical data for this formation, therefore a literature value was used.
345	SANTAROS	PRMY_LOG	WPO#41118 Groundwater, Freeze and Cherry, 1979 p.29 Table 2-2 gives a best estimate range for sandstone permeability's. See form 464 for citation.	SAND 78-1596 the full name of the formation is the Santa Rosa Sandstone. There is no empirical data for this formation, therefore a literature value was used.

Additional Sources

ID	Technical Traceability Documentation	
2377		
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344	WPO#38568 states this is a 'legacy parameter' whose value appeared in the baseline WIPP Parameter database of March 2,1996.	
345	WPO#38568 states this is a 'legacy parameter' whose value appeared in the baseline WIPP Parameter database of March 2,1996.	

Additional Sources

ID	Material ID	Param ID	Technical Traceability Documentation	
346	SANTAROS	PRMZ_LOG	WPO#41118 Groundwater, Freeze and Cherry, 1979 p.29 Table 2-2 gives a best estimate range for sandstone permeability's. See form 464 for citation.	SAND 78-1596 the full name of the formation is the Santa Rosa Sandstone. There is no empirical data for this formation, therefore a literature value was used.
3133	SHFT_DRZ	PRMX_LOG	PRP WPO#30640	T=0 for SNL activities (AIS and Rm D DRZ testing)
3262	SOLAM3	SOLSIM	WPO#41808 pg 4-2, 4-14, PI PRP#35835	WPO#37791 Memo: R.V.Byrum to M.S. Tierney and C. Stockman,"Revised Update of Uncertainty Range and Distribution for Actinide Solubility Used in CCA Nuts Calculation" 5/23/96.
3263	SOLAM3	SOLCIM	WPO#41808 pg 4-2, 4-14, PI PRP#35835	WPO#37791 Memo: R.V.Byrum to M.S. Tierney and C. Stockman,"Revised Update of Uncertainty Range and Distribution for Actinide Solubility Used in CCA Nuts Calculation" 5/23/96.
3265	SOLPU3	SOLCIM	WPO#41808 pg 4-2, 4-14, PI PRP#35835	WPO#37791 Memo: R.V.Byrum to M.S. Tierney and C. Stockman,"Revised Update of Uncertainty Range and Distribution for Actinide Solubility Used in CCA Nuts Calculation" 5/23/96.
3264	SOLPU3	SOLCIM	WPO#41808 pg 4-2, 4-14, PI PRP#35835	WPO#37791 Memo: R.V.Byrum to M.S. Tierney and C. Stockman,"Revised Update of Uncertainty Range and Distribution for Actinide Solubility Used in CCA Nuts Calculation" 5/23/96.
3266	SOLPU4	SOLSIM	WPO#41808 pg 4-2, 4-14, PI PRP#35835	WPO#37791 Memo: R.V.Byrum to M.S. Tierney and C. Stockman,"Revised Update of Uncertainty Range and Distribution for Actinide Solubility Used in CCA Nuts Calculation" 5/23/96.
3389	SOLPU4	SOLCIM	WPO#41808 pg 4-2, 4-14, PI PRP#35835	WPO#37791 Memo: R.V.Byrum to M.S. Tierney and C. Stockman,"Revised Update of Uncertainty Range and Distribution for Actinide Solubility Used in CCA Nuts Calculation" 5/23/96.
3390	SOLU4	SOLSIM	WPO#41808 pg 4-2, 4-14, PI PRP#35835	WPO#37791 Memo: R.V.Byrum to M.S. Tierney and C. Stockman,"Revised Update of Uncertainty Range and Distribution for Actinide Solubility Used in CCA Nuts Calculation" 5/23/96.
3391	SOLU6	SOLSIM	WPO#41808 pg 4-2, 4-14, PI PRP#35835	WPO#37791 Memo: R.V.Byrum to M.S. Tierney and C. Stockman,"Revised Update of Uncertainty Range and Distribution for Actinide Solubility Used in CCA Nuts Calculation" 5/23/96.
3392	SOLU6	SOLCIM	WPO#41808 pg 4-2, 4-14, PI PRP#35835	WPO#37791 Memo: R.V.Byrum to M.S. Tierney and C. Stockman,"Revised Update of Uncertainty Range and Distribution for Actinide Solubility Used in CCA Nuts Calculation" 5/23/96.
3393	SOLTH4	SOLSIM	WPO#41808 pg 4-2, 4-14, PI PRP#35835	WPO#37791 Memo: R.V.Byrum to M.S. Tierney and C. Stockman,"Revised Update of Uncertainty Range and Distribution for Actinide Solubility Used in CCA Nuts Calculation" 5/23/96.

Additional Sources

ID	Technical Traceability Documentation	
346	WPO#38568 states this is a 'legacy parameter' whose value appeared in the baseline WIPP Parameter database of March 2, 1996.	
3133	WPO#30640: WIPP Shaft Seal System BRAGFLO Parameters, SWCF-A:1.1.03.2.1:QA:PDD, Sec III, Vol 3, 2.5.1; Sec I Vol 4 4.6	Literature - Dale and Hurtado (1996); Data Packages - WPO#39631 Knowles et al. (1995), WPO#28103 Hurtado (1995)
3262		
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Additional Sources

ID	Material ID	Param ID	Technical Traceability Documentation	
2907	STEEL	CORRMCO2	WPO#35162, Memo from Yifeng Wang and Larry Brush to Martin S.Tierney, Jan 26,1996; "Estimates of Gas-Generation Parameters for the Long-Term WIPP Performance Assessment" P.9, Table 1 (with SI conversion described on 464 form).	Raw data found in WPO#42357 and WPO#38474
2898	STEEL	STOIFX	WPO#35162, Memo from Yifeng Wang and Larry Brush to Martin S.Tierney, Jan 26,1996; "Estimates of Gas-Generation Parameters for the Long-Term WIPP Performance Assessment" P.9, Table 1 (no SI conversion required)	Raw data found in WPO#42357 and WPO#38474
2909	SULFATE	QINIT	WPO#31379 Memo: Paul Drez to File 1/26/96, WPO#30819 Memo:Y.Wang and L. Brush to M. Tierney 1/26/96.	
3479	U+4	MKD_U	WPO#338801 Memo:L.H. Brush to M. Tierney 6/10/96	
3475	U+6	MKD_U	WPO#338801 Memo:L.H. Brush to M. Tierney 6/10/96	
651	WAS_AREA	ABSROUGH	Analysis Package for the Cuttings and Spalling Calculations WPO#40521- Sec. 7 "Input Parameters and Sources" pg 39.	WAS_AREA:ABSROUGH epsilon = 0.025 Absolute roughness (m). Equation 9 pg 21 of WPO#40521 uses absolute roughness. Value 0.025 can be traced to WPO#40521 SAND92-0700/3 pg 3-57 a drilling erosion parameter with a uniform distribution, range of 001 to 0.04.
653	WAS_AREA	COMP_RCK	See WPO#40514 Sec. 4.2.4 pg. 4-146 (the BRAGFLO analysis write-up).	In BRAGFLO, the dependence of porosity on pressure in regions WAS_AREA and REPOSIT is described through "porosity surface" or closure surface, rather than pore volume compressibility
2041	WAS_AREA	DCELLCHW	WPO#32328 Transuranic Waste Baseline Inventory Report Revision 2 Vol.1 DOE/CAD-95-1121-Dec 95.	
2274	WAS_AREA	DCELLRHW	WPO#32328 Transuranic Waste Baseline Inventory Report Revision 2 Vol.1 DOE/CAD-95-1121-Dec 95.	
1992	WAS_AREA	DIRNCCHW	WPO#32328 Transuranic Waste Baseline Inventory Report Revision 2 Vol.1 DOE/CAD-95-1121-Dec 95.	
1993	WAS_AREA	DIRNCRHW	WPO#32328 Transuranic Waste Baseline Inventory Report Revision 2 Vol.1 DOE/CAD-95-1121-Dec 95.	
2040	WAS_AREA	DIRONCHW	WPO#32328 Transuranic Waste Baseline Inventory Report Revision 2 Vol.1 DOE/CAD-95-1121-Dec 95.	
2044	WAS_AREA	DIRONRHW	WPO#32328 Transuranic Waste Baseline Inventory Report Revision 2 Vol.1 DOE/CAD-95-1121-Dec 95.	
1994	No EPA data gn		Not used in 96 CCA calculation.	
2043	WAS_AREA	DPLASCHW	WPO#32328 Transuranic Waste Baseline Inventory Report Revision 2 Vol.1 DOE/CAD-95-1121-Dec 95.	
2275	WAS_AREA	DPLASRHW	WPO#32328 Transuranic Waste Baseline Inventory Report Revision 2 Vol.1 DOE/CAD-95-1121-Dec 95.	

Additional Sources

ID	Technical Traceability Documentation	
2907	Data package WPO#45549 QED package for PNL WPO#23213 PNL AJ-1365 T=0 memo WPO#44760	
2898		
2909		
3479		
3475		
651	and median of 0.025 m. Ref given in WPO#23529 Sand92-0700/3 (92 PA) is Streeter and Wylie, 1975, Fluid Mechanics 6th ed. NYNY:McGraw-Hill Boo Co fig 5.32 pg 297. See also EPA CCA Review Personnel Request Form by Joel Miller dated 4/17/97.	Moody Diagram Pg 297 Fig 5.32 of Fluid Mechanics, Streeter & Wylie. Graph contains table of values. Value of 0.025 m was chosen by Jerry Berglund to be conservative and at upper end of range shown on table of Streeter & Wylie.
653	See also WPO#30703 (BRAGFLO User's Manual) p. 130, p.55. WPO#31368 has further info on closure surface.	WPO#35188 Worksheet by Palmer Vaughn 1/29/96.
2041		
2274		
1992		
1993		
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2044		
1994		
2043		
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Additional Sources

ID	Material ID	Param ID	Technical Traceability Documentation	
1995	WAS_AREA	DPLSCCHW	WPO#32328 Transuranic Waste Baseline Inventory Report Revision 2 Vol.1 DOE/CAD-95-1121-Dec 95.	
2228	WAS_AREA	DPLSCRHW	WPO#32328 Transuranic Waste Baseline Inventory Report Revision 2 Vol.1 DOE/CAD-95-1121-Dec 95.	
2042	WAS_AREA	DRUBBCHW	WPO#32328 Transuranic Waste Baseline Inventory Report Revision 2 Vol.1 DOE/CAD-95-1121-Dec 95.	
2046	WAS_AREA	DRUBBRHW	WPO#32328 Transuranic Waste Baseline Inventory Report Revision 2 Vol.1 DOE/CAD-95-1121-Dec 95.	
656	WAS_AREA	GRATMICH	WPO#35162, Memo from Yifeng Wang and Larry Brush to Martin S.Tierney, Jan 26,1996; "Estimates of Gas-Generation Parameters for the Long-Term WIPP Performance Assessment" P.9, Table 1 (with SI conversion described on 464 form);	Raw data found in WPO#42357 and WPO#38474
2127	REPOSIT	GRATMICH	WPO#35162, Memo from Yifeng Wang and Larry Brush to Martin S.Tierney, Jan 26,1996; "Estimates of Gas-Generation Parameters for the Long-Term WIPP Performance Assessment" P.9, Table 1 (with SI conversion described on 464 form);	Raw data found in WPO#42357 and WPO#38474
657	WAS_AREA	GRATMICI	WPO#35162, Memo from Yifeng Wang and Larry Brush to Martin S.Tierney, Jan 26,1996; "Estimates of Gas-Generation Parameters for the Long-Term WIPP Performance Assessment" P.9, Table 1 (with SI conversion described on 464 form);	Raw data found in WPO#42357 and WPO#38474
2128	REPOSIT	GRATMICI	WPO#35162, Memo from Yifeng Wang and Larry Brush to Martin S.Tierney, Jan 26,1996; "Estimates of Gas-Generation Parameters for the Long-Term WIPP Performance Assessment" P.9, Table 1 (with SI conversion described on 464 form);	Raw data found in WPO#42357 and WPO#38474
663	WAS_AREA	PRMX_LOG	WPO#30921 Memo:B.Butcher to M. Tierney "QAP 9-2 Documentation for the Overall Waste Permeability and Flow Property Values for the CCA" 1/29/96. Also WPO#35188 Worksheet by Palmer Vaughn 1/29/96	WPO#30925 Memo B. Butcher to M. Tierney "Documentation of Initial Water Content for CCA" 1/29/96.
664	WAS_AREA	PRMY_LOG	WPO#30921 Memo:B.Butcher to M. Tierney "QAP 9-2 Documentation for the Overall Waste Permeability and Flow Property Values for the CCA" 1/29/96. Also WPO#35188 Worksheet by Palmer Vaughn 1/29/96.	WPO#30925 Memo B. Butcher to M. Tierney "Documentation of Initial Water Content for CCA" 1/29/96.
665	WAS_AREA	PRMZ_LOG	WPO#30921 Memo:B.Butcher to M. Tierney "QAP 9-2 Documentation for the Overall Waste Permeability and Flow Property Values for the CCA" 1/29/96. Also WPO#35188 Worksheet by Palmer Vaughn 1/29/96.	WPO#30925 Memo B. Butcher to M. Tierney "Documentation of Initial Water Content for CCA" 1/29/96.

Additional Sources

ID	Technical Traceability Documentation	
1995		
2228		
2042		
2046		
656		
2127		
657		
2128		
663	WPO#35188 worksheet by Palmer 1/29/96.	
664	WPO#35188 worksheet by Palmer 1/29/96.	
665	WPO#35188 worksheet by Palmer 1/29/96.	

Additional Sources

ID	Material ID	Param ID	Technical Traceability Documentation	
2823	WAS_AREA	PROBDEG	Memo: Tierney to File 3/29/96 (no WPO Number - memo is located in 464 Form).	
2824	REPOSIT	PROBDEG	Memo: Tierney to File 3/29/96 (no WPO Number - memo is located in 464 Form).	
670	WAS_AREA	SAT_RBRN	See WPO#40514 Sec. 4.2.4 pg. 4-172 (the BRAGFLO analysis write-up).	Supported by SAND91-0893/3 pg. 3-121, which is in turn supported by SAND89-2408, which is supported by Brooks and Corey, 1964 (included in refs in WPO#30640 Shaft Seals Parameter Package).
2741	REPOSIT	SAT_RBRN	See WPO#40514 Sec. 4.2.4 pg. 4-172 (the BRAGFLO analysis write-up).	Supported by SAND91-0893/3 pg. 3-121, which is in turn supported by SAND89-2408, which is supported by Brooks and Corey, 1964 (included in refs in WPO#30640 Shaft Seals Parameter Package).
671	WAS_AREA	SAT_RGAS	See WPO#40514 Sec. 4.2.4 pg. 4-174 (the BRAGFLO analysis write-up).	WPO#35188 Worksheet by Palmer Vaughn 1/29/96.
2137	REPOSIT	SAT_RGAS	See WPO#40514 Sec. 4.2.4 pg. 4-174 (the BRAGFLO analysis write-up).	WPO#35188 Worksheet by Palmer Vaughn 1/29/96.
2231	WAS_AREA	SAT_WICK	See WPO#40514 Sec. 4.2.4 pg. 4-174 (the BRAGFLO analysis write-up) and WPO#38152 the composite Phase I FEP Records Package.	Appendix D
2138	No EPA data		Not used in CCA Calculation	
214	EXP_AREA	PRMX_LOG	WPO#36320 Memo: Vaughn to Tierney "Northend Regions (Backfill and Experimental) Porosity" 1/30/96	

Additional Sources

ID	Technical Traceability Documentation	
2823		
2824		
670	WPO#35188 Worksheet by Palmer Vaughn 1/29/96.	Memo: Vaughn to Tierney 2/13/96 WAS_AREA and REPOSIT/SAT RBRN distribution.
2741	WPO#35188 Worksheet by Palmer Vaughn 1/29/96.	
671		
2137	WPO#35188 Worksheet by Palmer Vaughn 1/29/96.	
2231	WPO#38568 Memo: M. Tierney and P. Vaughn to file "Designation of Legacy Parameters and Placeholders in WIPP Parameter Database" 6/17/96.	WPO#38568 states this is a 'legacy parameter' whose value appeared in the baseline WIPP Parameter database of March 2, 1996.
2138		
214		

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Appendix M3

Table from EPA Parameter Database: Enhanced Sources

Enhanced Sources

ID	Enhanced Source or Other Additional Information		
60	See WPO #40514, page 4-145 . Used anhydrite capillary pressure properties as analog.		
62	See WPO #40514, page 4-150. The capillary pressure model selected permits capillary pressure to vary with the degree of saturation. In this model, capillary pressure approaches infinity at a brine saturation equal to residual brine saturation.	The numerical implementation of this model requires an approximation to infinity. A value of 1.0E+08 Pa is sufficiently large to capture infinity and does not alter the shape of the capillary pressure curve. Furthermore, for halite,	gas is able to enter the brine-saturated pore space of the halite, so the halite remains fully brine saturated for all time. The value of PC_MAX is irrelevant as long as it is larger than the value for the capillary threshold pressure value.
64	There is data to support this parameter, See also WPO #31610		
65	No effect. See WPO #40514, page 4-155		
76	Rationale in WPO #40514, page 4-144		
77	Rationale in WPO #40514, page 4-146		
78	No effect. See WPO #40514, page 4-150		
79	Not important. See WPO #40514, page 4-157		
80	Rationale in WPO #40514, page 4-158		
81	No effect. See WPO #40514, page 4-155		
83	Rationale in WPO #40514, page 4-159		
84	Rationale in WPO #40514, page 4-161		
85	Rationale in WPO #40514, page 4-162		
88	See WPO #40514, page 4-166. Used baseline/default relative permeability model (Brooks-Corey Model). Two phase flow characteristics of the cavity regions do not effect the flow behavior of the cavity regions because of 2 things:	1) the intrinsic permeability of the DRZ is much lower (by 7 orders of magnitude) than that of the cavity, therefore the DRZ controls brine inflow to the cavity, and	2) the cavity is in place for only 5 years and the increased brine volume or saturation in the cavity resulting from drainage of the DRZ during this time is not sufficient to alter the rate of brine inflow from the DRZ.
89	Rationale in WPO #40514, page 4-171		
90	Rationale in WPO #40514, page 4-173		
137	Rationale in WPO #40514, pages 4-151 and 8-15		
141	No effect. See WPO #40514, page 4-156		
156	Rationale in WPO #40514, pages 4-151 and 8-15		
159	No effect. See WPO #40514, page 4-156		
174	Rationale in WPO #40514, page 4-144		
176	See WPO #40514, page 4-151. PC_MAX is irrelevant and not used for the capillary pressure model characteristic of these regions.		
179	No effect. See WPO #40514, page 4-156		
188	Rationale in WPO #40514, page 4-171		
189	Rationale in WPO #40514, page 4-173		
190	Rationale in WPO #40514, page 4-144		
193	Rationale in WPO #40514, page 4-151. PC_MAX is irrelevant and not used for the capillary pressure model characteristic of these regions.		
194	See WPO #40514, page 4-157. Used halite and DRZ_0 as analog.		
196	No effect. See WPO #40514, page 4-156		

Enhanced Sources

ID	Enhanced Source or Other Additional Information		
198	Rationale in WPO #40514, page 4-160 and WPO #44329, 42512, and 31184		
199	Rationale in WPO #40514, page 4-162 and WPO #44329, 42512, and 31184		
200	Rationale in WPO #40514, page 4-164 and WPO #44329, 42512, and 31184		
205	Rationale in WPO #40514, page 4-171		
206	Rationale in WPO #40514, page 4-173		
207	Rationale in WPO #40514, page 4-144		
208	Rationale in WPO #40514, page 4-146		
209	Rationale in WPO #40514, page 4-151. PC_MAX is irrelevant and not used for the capillary pressure model characteristic of these regions.		
210	Rationale in WPO #40514, page 4-157. Used Cavity and Operations region as analog.		
212	No effect. See WPO #40514, page 4-156		
214	Rationale in WPO #40514, page 4-160, see also WPO 38152 and 44512, FEP DR-3, FEP DR-7		
215	Rationale in WPO #40514, page 4-161, see ID #214		
216	Rationale in WPO #40514, page 4-163, see ID #214		
219	Rationale in WPO #40514, page 4-166. Used baseline/default model, Brooks-Corey Model.		
220	Rationale in WPO #40514, page 4-170		
221	Rationale in WPO #40514, page 4-171		
222	Rationale in WPO #40514, page 4-173		
229	Rationale in WPO #40514, page 4-145		
230	Rationale in WPO #40514, page 4-146. All parameter values associated with the Impermeable Zones are irrelevant because the permeability of this zone is 1.0E-35 square meters and flow through this zone is by definition equal to zero.		
231	Rationale in WPO #40514, page 4-146. All parameter values associated with the Impermeable Zones are irrelevant because the permeability of this zone is 1.0E-35 square meters and flow through this zone is by definition equal to zero.		
232	Not important. See WPO #40514, page 4-157		
233	Not important. See WPO #40514, page 4-159		
234	No effect. See WPO #40514, page 4-156		
236	Rationale in WPO #40514, page 4-160		
237	Rationale in WPO #40514, page 4-161		
238	Rationale in WPO #40514, page 4-164		

Enhanced Sources

ID	Enhanced Source or Other Additional Information		
241	Rationale in WPO #40514, page 4-166. All parameter values associated with the Impermeable Zones are irrelevant because the permeability of this zone is 1.0E-35 square meters and flow through this zone is by definition equal to zero.		
243	Rationale in WPO #40514, page 4-171		
244	Rationale in WPO #40514, page 4-173		
256	Not important, insensitive. See WPO #40514, page 4-158		
542	Rationale in WPO #40514, page 4-151. The capillary pressure model selected permits capillary pressure to vary with the degree of saturation. In this model, capillary pressure approaches infinity at a brine saturation equal to residual brine saturation.	The numerical implementation of this model requires an approximation to infinity. A value of 1.0 E+08 Pa is sufficiently large to capture infinity and does not alter the shape of the capillary pressure curve. Furthermore, for halite,	gas is able to enter the brine-saturated pore space of the halite, so the halite remains fully brine saturated for all time. The value of PC_MAX is irrelevant as long as it is larger than the value for the capillary threshold pressure value.
545	No effect. See WPO #40514, page 4-156		
586	Rationale in WPO #40514, page 4-155 and WPO #44405		
589	Rationale in WPO #40514, page 4-156		
2110	Rationale in WPO #40514, page 4-145		
2112	Rationale in WPO #40514, page 4-146		
2177	Rationale in WPO #40514, page 4-148 and WPO #44405		
2178	Rationale in WPO #40514, page 4-149 and WPO #44405		
2180	Rationale in WPO #40514, page 4-154 and WPO #44405		
2242	Rationale in WPO #40514, page 4-151. PC_MAX is irrelevant and not used for the capillary pressure model characteristic of these regions.		
2254	Literature, was also part of EPA's PA Verification Runs		
2276	Rationale in WPO #40514, page 4-144 and 8-17		
2278	Rationale in WPO #40514, page 4-150, 8-17, and 8-18		
2281	No effect. See WPO #40514, page 4-155		
2289	Rationale in WPO #40514, page 4-166, 8-17, and 8-18		
2329	Rationale in WPO #40514, page 4-150, 8-17, and 8-18		
2332	No effect. See WPO #40514, page 4-155		
2468	No effect. See WPO #40514, page 4-156		
2498	Rationale in WPO #40514, page 4-151, 8-17, and 8-18		
2501	No effect. See WPO #40514, page 4-156		
2515	Rationale in WPO #40514, page 4-151, 8-17, and 8-18		
2518	No effect. See WPO #40514, page 4-156		
2599	Rationale in WPO #40514, page 4-149 Model Configuration Parameter, toggle		

Enhanced Sources

ID	Enhanced Source or Other Additional Information		
2608	Rationale in WPO #40514, page 4-149 Model Configuration Parameter, toggle		
2612	Rationale in WPO #40514, page 4-149 Model Configuration Parameter, toggle		
2613	Rationale in WPO #40514, page 4-152		
2614	Rationale in WPO #40514, page 4-153		
2641	Rationale in WPO #40514, page 4-149 Model Configuration Parameter, toggle		
2691	Rationale in WPO #40514, page 4-149 Model Configuration Parameter, toggle		
2696	Rationale in WPO #40514, page 4-149 Model Configuration Parameter, toggle		
2701	Rationale in WPO #40514, page 4-149 Model Configuration Parameter, toggle		
2702	Rationale in WPO #40514, page 4-152		
2703	Rationale in WPO #40514, page 4-153		
2706	Rationale in WPO #40514, page 4-149 Model Configuration Parameter, toggle		
2711	Rationale in WPO #40514, page 4-150 Model Configuration Parameter, toggle		
2712	Rationale in WPO #40514, page 4-152		
2713	Rationale in WPO #40514, page 4-153		
2720	Rationale in WPO #40514, page 4-150 Model Configuration Parameter, toggle		
2721	Rationale in WPO #40514, page 4-152		
2722	Rationale in WPO #40514, page 4-153		
2736	Rationale in WPO #40514, page 4-150 Model Configuration Parameter, toggle		
2737	Rationale in WPO #40514, page 4-152		
2738	Rationale in WPO #40514, page 4-153		
2739	No effect. See WPO #40514, page 4-156		
2744	Rationale in WPO #40514, page 4-150 Model Configuration Parameter, toggle		
2778	Rationale in WPO #40514, page 4-150 Model Configuration Parameter, toggle		
2788	Rationale in WPO #40514, page 4-150 Model Configuration Parameter, toggle		
2811	Rationale in WPO #40514, page 4-148 Model Configuration Parameter		
2814	Rationale in WPO #40514, page 4-148 Model Configuration Parameter		
2817	Rationale in WPO #40514, page 4-148 Model Configuration Parameter		
2824	See WPO # 44404		
2918	See WPO # 37971 and 37149		
3053	Rationale in WPO #40514, page 4-149 Model Configuration Parameter, toggle		
3054	Rationale in WPO #40514, page 4-151, 8-17, and 8-18		
3099	Rationale in WPO #40514, page 4-170		
3114	Rationale in WPO #40514, page 4-159		
3116	Rationale in WPO #40514, page 4-149 Model Configuration Parameter, toggle		
3124	No effect. See WPO #40514, page 4-156		
3128	Rationale in WPO #40514, page 4-152		

Enhanced Sources

ID	Enhanced Source or Other Additional Information		
3129	Rationale in WPO #40514, page 4-153		
3134	Rationale in WPO #40514, page 4-159		
3137	Rationale in WPO #40514, page 4-167		
3147	No impact. Rationale in WPO #40514, page 4-158		
3152	Rationale in WPO #40514, page 4-171		
3153	Rationale in WPO #40514, page 4-173		
3157	Rationale in WPO #40514, page 4-152		
3158	Rationale in WPO #40514, page 4-153		
3160	Rationale in WPO #40514, page 4-146		
3162	Rationale in WPO #40514, page 4-144. These regions consist of high permeability earthy material. Shaft earth fill material is used as an analog for capillary pressure treatment in these regions.		
3164	Rationale in WPO #40514, page 4-171		
3165	Rationale in WPO #40514, page 4-173		
3169	Rationale in WPO #40514, page 4-152		
3170	Rationale in WPO #40514, page 4-153		
3172	Rationale in WPO #40514, page 4-146		
3174	Rationale in WPO #40514, page 4-144. These regions consist of high permeability earthy material. Shaft earth fill material is used as an analog for capillary pressure treatment in these regions.		
3176	Rationale in WPO #40514, page 4-171		
3177	Rationale in WPO #40514, page 4-173		
3181	Rationale in WPO #40514, page 4-152		
3182	Rationale in WPO #40514, page 4-153		
3186	Rationale in WPO #40514, page 4-161		
3187	Rationale in WPO #40514, page 4-162		
3194	Rationale in WPO #40514, page 4-148, see also WPO #44401		
3258	See WPO #36766, 40521, and 21200		
3420	Scaling factor was not used, therefore set to 1.0. See WPO #36723		
3456	See WPO #44520 and WPO #42749		
3469	See WPO #37735 and WPO #39371		
3470	See WPO #38214		
3471	See WPO #38214		
3472	See WPO #38214		
3473	See WPO #44519		

Appendix M4

Table from EPA Parameter Database: Source Cross Reference

Source Cross-Reference

Ref ID	Title	Journal
40CFR191	40 CFR Part 191 - Environmental Radiation Protection Standards for Management and Disposal of Spent Nuclear Fuel, High-Level and Transuranic Radioactive Wastes; Appendix A	
CRC-14	CRC Handbook of Chemistry and Physics, 14th Edition	
CRC-49	Handbook of Chemistry and Physics, 49th edition	
CRC-72	CRC Handbook of Chemistry and Physics, 72nd Edition, "Table of Isotopes"	
FEDERAL_REGISTER	Federal Register, Volume 61, No. 28, Rules and Regulations (dtd 2/9/96)	Federal Register
FINLEY-1	Seal and Backfill Information (memo)	Preliminary Performance Assessment for the Waste Isolation Pilot Plant, Dec 1992. Volume 5: Uncertainty and Sensitivity Analyses for Gas and Brine Migration for Undisturbed Performance
FOX-1	Introduction to Fluid Mechanics	
FREEZE-1	Groundwater	
HYDRAULICS/ASCE-3/70	Erodibility of Channels with Cohesive Boundary	Journal of the Hydraulics Division, Proceedings of the American Society of Civil Engineers
MEMO:HOWARD/MARIETTA-C	Memo: B. Howard to M. Marietta, 6/26/96	
MEMO:LEONARD/MARIETTA	Memo: R. Leonard to M. Marietta, 7/30/96, Geographical Definition of the Delaware Basin and its Drilling Rates (w/Attachments)	
MEMO:LEONARD/MARIETTA-2	Memo: R. Leonard to M. Marietta, 7/31/96, Commonality of Pressurized Brine Encounters within the Delaware Basin (w/attachments)	
MEMO:LEONARD/MARIETTA-3	Memo: R. Leonard to M. Marietta, 6/13/96, Geostatistical Analysis of Brine Reservoir Occurrences in the Area of WIPP for WIPP Performance Assessment (PA)	
MEMO:LORD/TIERNEY-1	Memo: M. Lord to M. Tierney, dtd 2/21/96, subj:Additional DRZ Parameters to be used in the BRAGFLO Calculation	
MEMO:TIERNEY/FILE-1	Memo: M. Tierney to File, 3/29/96, Reasons for Choice of the PROBDEG parameter (id nos. 2824 and 2823) on February 22, 1996	
MEMO:VAUGHN/TIERNEY-10	Memo: P. Vaughn to M. Tierney, 2/22/96, DEWYLAKE Logs of Intrinsic Permeability	
MEMO:VAUGHN/TIERNEY-11	Memo: P. Vaughn to M. Tierney, 2/13/96, WAS_AREA and REPOSIT/SAT_RBRN Distribution	
MEMO:VAUGHN/TIERNEY-5	Memo: P. Vaughn to M. Tierney, 2/19/96, Concrete Monolith	
MEMO:VAUGHN/TIERNEY-7	Memo: P. Vaughn to M. Tierney, 2/20/96, Borehole Properties	
MEMO:VAUGHN/TIERNEY-9	Memo: P. Vaughn to M. Tierney, 2/14/96, Constant Values for CAVITY_1, _2, _3, _4 Parameters	
NONE	NO DOCUMENTATION AVAILABLE - LEGACY PARAMETER	
NOVAKMEMO-1	Parameter Recommendations for Porosity and Thickness of Clay Fracture Linings for the 1992 WIPP Performance Assessment Calculations	Preliminary Performance Assessment for the Waste Isolation Pilot Plant, December 1992. Volume 3: Model Parameters. A-125 through A-131.

Source Cross-Reference

Ref ID	Author	Editor	Date	Publisher	Location
40CFR191	U.S. EPA		1985		
CRC-14					
CRC-49		R. Weast		The Chemical Rubber Co.	Cleveland, OH
CRC-72	N.E. Holden	D.R. Lide, Editor-in-Chief	1991-1992	CRC Press, Inc.	Boca Raton, FL
FEDERAL_REGISTER			09-Feb-96		
FINLEY-1	R.E. Finley and Palmer Vaughn		17-Feb-93	Sandia National Laboratories	Albuquerque, NM
FOX-1	R. Fox and A. McDonald		1934	John Wiley & Sons, Inc.	New York, NY
FREEZE-1	R.A. Freeze, J.A. Cherry		1979	Prentice-Hall, Inc.	Englewood Cliffs, NJ
HYDRAULICS/ASCE-3/70	E. Partheniades and R. Paaswell		Mar-70		
MEMO:HOWARD/MARIETTA-C	B. Howard		26-Jun-96		
MEMO:LEONARD/MARIETTA	R. Leonard		30-Jul-96		Carlsbad, NM
MEMO:LEONARD/MARIETTA-2	R. Leonard		31-Jul-96		Carlsbad, NM
MEMO:LEONARD/MARIETTA-3	R. Leonard		13-Jun-96		Carlsbad, NM
MEMO:LORD/TIERNEY-1	Michael Lord		21-Feb-96		Albuquerque, NM
MEMO:TIERNEY/FILE-1	M. Tierney		29-Mar-96		Albuquerque, NM
MEMO:VAUGHN/TIERNEY-10	P. Vaughn		22-Feb-96	Sandia National Laboratories	Albuquerque, NM
MEMO:VAUGHN/TIERNEY-11	P. Vaughn		13-Feb-96	Sandia National Laboratories	Albuquerque, NM
MEMO:VAUGHN/TIERNEY-5	Palmer Vaughn		19-Feb-96		Sandia National Laboratories
MEMO:VAUGHN/TIERNEY-7	Palmer Vaughn		20-Feb-96		Albuquerque, NM
MEMO:VAUGHN/TIERNEY-9	P. Vaughn		14-Feb-96	Sandia National Laboratories	Albuquerque, NM
NONE					
NOVAKMEMO-1	C.F. Novak, F. Gelbard, H.W. Paperguth, 6119		20-Jul-92	Sandia National Laboratories	Albuquerque, NM

Source Cross-Reference

Ref ID	Title	Journal
NUCLIDES/ISOTOPES	G.E. Nuclides and Isotopes, 14th Edition	
OBERT-1	Thermodynamics	
PHASE_EQUILIBRIA	Phase Equilibria in Chemical Engineering, pp. 52-54	
SAND86-7167	Modeling of Ground-Water Flossing the Culebra Dolomite at the Waste Isolation Pilot Plant (WIPP)Site: Interim Report	SAND86-7167
SAND89-0462	Systems Analysis, Long-Term Radionuclide Transport and Dose Assessments, Waste Isolation Pilot Plant(WIPP), Southeastern New Mexico; March 1989	SAND89-0462
SAND89-2408	Data Used in Preliminary Performance Assessment of the Waste Isolation Pilot Plant (1990)	SAND89-2408
SAND89-7068/1	Ground-Water Flow Modeling of the Culebra Dolomite Volume I: Model Calibration	SAND89-7068/1
SAND91-0893/3	Preliminary Comparison with 40CFR Part 191, Subpart B for the Waste Isolation Pilot Plant, Volume 3:Reference Data	
SAND91-0893/3-MEMOBEAUHEIM	Review of Salado Parameter Values to be Used in 1991 Performance Assessment Calculations	Preliminary Comparison with 40 CFR Part 191, Subpart B for the Waste Isolation Pilot Plant, December 1991. Volume 3: Reference Data. WIPP Performance Assessment Division. A-19 through A-23.
SAND91-0893/3-MEMOBEAUHEIM2	Recommendations for the 1991 Performance Assessment Calculations on Parameter Uncertainty and Model Implementation for Culebra Transport Under Undisturbed and Brine-Reservoir-Breach Conditions	Preliminary Comparison with 40 CFR Part 191, Subpart B for the Waste Isolation Pilot Plant, December 1991. Volume 3: Reference Data. WIPP Performance Assessment Division. A-7 through A-18.
SAND91-0893/3-MEMOBRUSH	Current Estimates of Gas Production Rates, Gas Production Potentials, and Expected Chemical Conditions Relevant to Radionuclide Chemistry for the Long-Term WIPP Performance Assessment	Preliminary Comparison with 40 CFR Part 191, Subpart B for the Waste Isolation Pilot Plant, December 1991. Volume 3: Reference Data WIPP Performance Assessment Division. A-25 through A-36.
SAND92-0479	The Use of Expert Judgement to Quantify Uncertainty in Solubility and Sorption Parameters for the Waste Isolation Pilot Plant Performance Assessment	SAND92-0479
SAND92-0700/3	Preliminary Performance Assessment for the Waste Isolation Pilot Plant, December 1992. Vol. 3 Model Parameters	SAND92-0700/3
SAND92-0700/3-MEMOPETERSON	Preliminary Contact Handled (CH) Radionuclide and Nonradionuclide Inventories and Remote Handled (RH) Radionuclide Inventory for Use in 1992 Performance Assessment	Preliminary Performance Assessment for the Waste Isolation Pilot Plant, December 1992. Volume 3 Model Parameters. Sandia WIPP Project. A-133 through A-140.
STREETER-1	Fluid Mechanics, 6th edition	
STREETER-2	Fluid Mechanics, 2nd edition	

Source Cross-Reference

Ref ID	Author	Editor	Date	Publisher	Location
NUCLIDES/ISOTOPES	F.W. Walker, J.R. Parrington, F. Feiner		1989	General Electric Company	San Jose, CA
OBERT-1	E. Obert		1948	McGraw-Hill Book Company, Inc.	New York, NY
PHASE_EQUILIBRIA	S. M. Walas		1985	Butterworth Publishers	Boston, MA
SAND86-7167	A. Haug, V.A. Kelley, A.M. LaVenue, J.F. Pickens		1987	Sandia National Laboratories	Albuquerque, NM
SAND89-0462		A.R. Lappin, R.L. Hunter, D.P. Garber, P.B. Davies	Mar-89	Sandia National Laboratories	Albuquerque, NM
SAND89-2408	R.P. Rechard, H. Iuzzolino, J.S. Sandha		1990	Sandia National Laboratories	Albuquerque, NM
SAND89-7068/1	A.M. LaVenue, T.L. Cauffman, J.F. Pickens		1990	Sandia National Laboratories	Albuquerque, NM
SAND91-0893/3			Dec-91	Sandia National Laboratories	Albuquerque, NM
SAND91-0893/3-MEMOBEAUHEIM	R.L. Beauheim		1991	Sandia National Laboratories	Albuquerque, NM
SAND91-0893/3-MEMOBEAUHEIM2	R.L. Beauheim, T.F. Corbet., P.B. Davies, and J.F. Pickens		1991	Sandia National Laboratories	Albuquerque, NM
SAND91-0893/3-MEMOBRUSH	L.H. Brush		1991	Sandia National Laboratories	Albuquerque, NM
SAND92-0479	K.M Trauth., S.C. Hora, R.P. Rechard, and D. R. Anderson		1992	Sandia National Laboratories	Albuquerque, NM
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WPO37713	J. Schreiber		26-Jul-91		Albuquerque, NM
WPO37799	R. V. Bynum		17-May-96		Albuquerque, NM
WPO37804	C. Lattier		22-May-96		Albuquerque, NM
WPO37822	M. Siegel		09-May-96		Albuquerque, NM
WPO37841	S. Altman, L. Meigs, L. Brush		15-May-96	Sandia National Laboratories	Albuquerque, NM
WPO37970	M. Tierney		30-May-96		Albuquerque, NM
WPO38214	D. Stoelzel		31-May-96		Albuquerque, NM

Source Cross-Reference

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WPO38217	Memo: D. Stoelzel to M. Tierney, 6/6/96, Castile Thickness and External Drainage Radius Values fo BRAGFLO_DBR	
WPO38231	Culebra Dissolve Actinide Distribution Coefficients (Kd's)	
WPO38274	Memo: M. Lord to M. Tierney, 2/20/96, Anhydrite Fracture Parameters for the CCA Data Base	
WPO38333	Memo: P. Vaughn to M. Tierney, 2/15/96, Impermeable Zone Parameters	
WPO38337	Memo: P. Vaughn to M. Tierney, 1/31/96, Some Possible Non-Salado Disconnects for CCA	
WPO38343	Memo: S. Howarth to SWCF, 6/14/96, Technical Data Package for Borehole Diameter (w/attachments)	
WPO38344	Memo: S. Howarth to SWCF, 6/14/96, Parameter Record Package for Nominal Wellbore Diameter	
WPO38449	Memo: L. Sanchez to Memo of Record, 6/12/96, Qualification Justified for ID Nos. 1993 and 2116 (Category 2)	
WPO38450	Memo: M. Martell to Memo of Record, 6/11/96, Unit Changes to ID Nos. 2819, 2904, 2905 (Category 1)	
WPO38454	Memo: M. Martell to Memo of Record, 6/11/96, Unit Changes to ID Nos. 2737, 2779, 2805, 2774 (Category 4B)	
WPO38455	Memo: M. Tierney to Memo of Record, 6/11/96, Qualification Justified for ID Nos. 3240 and 3257	
WPO38456	Memo: M. Martell to Memo of Record, 5/31/96, Qualification Justified for ID No. 3112	
WPO38568	Memo: M. Tierney and P. Vaughn to File, 6/17/96, Designation of "Legacy Parameters" and "Placeholders" in the WIPP Parameter Database	
WPO38569	Memo: M. Martell to Memo of Record, 6/19/96, Error Correction for Source Document	
WPO38769	Memo: D. O'Brien, 11/15/95, Critical Gas Saturation Recommendations for WIPP	
WPO38773	Memo: L. Meigs to J. Ramsey, dtd 6/6/96, subj:Non-Salado:Diffusive Porosity for the Culebra Dolomite (WPO# 37228)	
WPO38801	Memo: L. Brush to M. Tierney, 6/10/96, Ranges and Probability Distributions of Kds for Dissolved Pu, Am, U, Th, and Np in the Culebra for the PA Calculations to Support the WIPP CCA	
WPO38819	WIPP/CAO-96-3168, Chapter 6, 4/19/96, Effectiveness of Passive Institutional Controls in Reducing Inadvertent Human Intrusion into the WIPP for Use in Performance Assessments	WIPP/CAO-96-3168
WPO38928	Memo: L. Meigs and J. McCord to J. Ramsey, 6/6/96, Non-Salado: Culebra Half Matrix Block Length (WPO# 37225)	
WPO38928	Memo: L. Meigs and J. McCord to J. Ramsey, 6/6/96, subj:Non-Salado: Advective Porosity for the Culebra Dolomite (see also WPO37227)	
WPO38940	Memo: L. Meigs to J. Ramsey, 5/16/96, Non-Salado:Diffusive Tortuosity for the Culebra Dolomite (WPO37226)	
WPO38941	Memo: J. McCord to J. Ramsey, 6/10/96, Non-Salado: Longitudinal Dispersivity and Longitudinal to Transverse Dispersivity Ratio for the Culebra Dolomite (WPO#s 37230 and 37231)	

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Ref ID	Author	Editor	Date	Publisher	Location
WPO38217	D. Stoelzel		06-Jun-96		Albuquerque, NM
WPO38231	Brush, L.H.				
WPO38274	M. Lord		20-Feb-96		Albuquerque, NM
WPO38333	P. Vaughn		15-Feb-96		Albuquerque, NM
WPO38337	P. Vaughn		31-Jan-96		
WPO38343	S. Howarth		14-Jun-96		Albuquerque, NM
WPO38344	S. Howarth		14-Jun-96		Albuquerque, NM
WPO38449	L. Sanchez		12-Jun-96		Albuquerque, NM
WPO38450	M. Martell		11-Jun-96		Albuquerque, NM
WPO38454	M. Martell		11-Jun-96		Albuquerque, NM
WPO38455	M. Tierney		11-Jun-96		Albuquerque, NM
WPO38456	M. Martell		31-May-96		Albuquerque, NM
WPO38568	M. Tierney, P. Vaughn		17-Jun-96		Albuquerque, NM
WPO38569	M. Martell		19-Jun-96		Albuquerque, NM
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WPO38773	L. Meigs		06-Jun-96	Sandia National Laboratories	Albuquerque, NM
WPO38801	L.H. Brush		10-Jun-96		Albuquerque, NM
WPO38819	USDOE/CAO		19-Apr-96	USDOE	CAO
WPO38928	L. Meigs and J. McCord		06-Jun-96	Sandia National Laboratories	Albuquerque, NM
WPO38928	L. Meigs and J. McCord		06-Jun-96	Sandia National Laboratories	Albuquerque, NM
WPO38940	L. Meigs		16-May-96	Sandia National Laboratories	Albuquerque, NM
WPO38941	J. McCord		10-Jun-96		Albuquerque, NM

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Ref ID	Title	Journal
WPO39058	Memo: M. Lord to M. Tierney, 7/3/96, Statement of Impact of Pore Distribution Range Error on BRAGFLO CCA Calculations	
WPO39065	Memo: T. Christian-Frear to S. Howarth, 6/26/96, Parameter Resolution for Salado Anhydrite Permeability	
WPO39169	Memo: V. Kelley to P. Vaughn, 2/28/96, Clarification on Shaft Seal BRAGFLO Parameters	
WPO39178	Memo: J.T. Schneider to Memo of Record, 7/12/96, Additional Source Referenced for ID Nos. 531, 532, 533, 570, 571, 572, 591, 592, 593	
WPO39179	Memo: M. Tierney to Memo of Record, 7/9/96, Qualification Justified for ID Nos. 2846, 2847, 2851, 2854	
WPO39260	EPAUNI: Estimating Probability Distribution of EPA Unit Loading in the WIPP Repository for Performance Assessment Calculations, Version 1.01	
WPO39353	Memo: C. Lattier to File, 7/11/96, Database Error Correction, id = 2844	
WPO39355	Memo: M. Wallace to M. Tierney, 4/18/96, Distribution for Non-Salado Parameter for SECOFL2D: Mining Transmissivity Multiplier	
WPO39365	Memo: M. Wallace to M. Tierney, 5/2/96, Distribution for Non-Salado Parameter for SECOTP2D:Fracture Tortuosity	
WPO39371	Memo: M. Wallace to M. Tierney, 5/2/96, Distribution for Non-Salado Parameter for SECTP2D: Skin Resistance	
WPO40133	Memo: K. Trauth to J. Helton, 6/26/96, Assmt of Effectiveness of Passive Institutional Controls in Deterring Inadv Human Intrusion into WIPP for Compliance Cert Application Calculations - Updtd Info	
WPO40199	SWCF-1:1.2.07.1:PDD:QA:CASTILE:PKG#1:Brine Encounters	
WPO40432	Memo: M. Martell to C. Lattier, 8/22/96, Additional Reference to be Added to ID# 671 (WAS_AREA:SAT_RGAS)	
WPO40434	Memo: M. Martell to L. Shephard & M. Marietta, 8/2/96, Hardwired Values or Values that Differ from the 1996 CCA Parameter Database	
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WPO40511	Memo: L. Dotson to M. Martell, 9/5/96, Santa Rosa Formation Effective Porosity	
WPO40512	"Analysis to Estimate the Uncertainty for Predicted Actinide Solubilities [Implementation of Analysis Plan AP-024]" Rev. 0	
WPO40514	Analysis Package for the Salado Flow Calculations (Task 1) of the Performance Assessment Analysis Supporting the Compliance Certification Application (CCA) [Draft]	
WPO40515	Analysis Package for the Salado Transport Calculations (Task 2) of the Performance Assessment Analyses Supporting the Compliance Certification Application (CCA)	
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WPO40520	Analysis Package for the Bragflo Direct Release Calculations (Task 4) of the Performance Assessment Calculations Supporting the Compliance Certification Application (CCA), AP-29, Brine Release Calcs	

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Ref ID	Author	Editor	Date	Publisher	Location
WPO39058	M. Lord		03-Jul-96		Albuquerque, NM
WPO39065	T. Christian-Frear		26-Jun-96		Albuquerque, NM
WPO39169	Van Kelley, INTERA Inc.		28-Feb-96		
WPO39178	J.T. Schneider		12-Jul-96		Albuquerque, NM
WPO39179	M. Tierney		09-Jul-96		Albuquerque, NM
WPO39260	L.C. Sanchez, J.L. Powell, J.S. Rath, H.R. Trellue				
WPO39353	C. Lattier		11-Jul-96		Albuquerque, NM
WPO39355	M. Wallace		18-Apr-96		Albuquerque, NM
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WPO39371	M. Wallace		02-May-96		Albuquerque, NM
WPO40133	K.Trauth		26-Jun-96		Albuquerque, NM
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WPO40432	M. Martell		22-Aug-96		Albuquerque, NM
WPO40434	M. Martell		20-Aug-96		Albuquerque, NM
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WPO40511	L. Dotson		05-Sep-96		Albuquerque, NM
WPO40512	Byrum, R.V.		1996		
WPO40514	Vaughn, P.M.		1996	Sandia National Laboratories	SWCF
WPO40515	Shinta, A.A.		1996	Sandia National Laboratories	SWCF
WPO40516	Ramsey, J.L.		1996	Sandia National Laboratories	SWCF
WPO40520	Stoelzel, D.M.		1996	Sandia National Laboratories	SWCF

Source Cross-Reference

Ref ID	Title	Journal
WPO40521	Analysis Package for the Cuttings and Spallings Calculations (Task5) of the Performance Assessment Calculation Supporting the Compliance Certification Application (CCA), AP-015 and AP-016	
WPO40524	Analysis Package for the Complimentary Cumulative Distribution Function (CCDF) Construction (Task 7) of the Performance Assessment Calculations Supporting the CCA, AP-AAD	
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WPO41556	Memo: M. Martell to C. Lattier, 10/25/96, Subj: Memo to Cite Request for Solubility Parameters	
WPO41557	Memo: M. Martell to C. Lattier, 10/28/96, Subj: Request Memo for Matrix Sorption Coefficients	
WPO41558	Memo: M. Martell to C. Lattier, 10/28/96, Subj: Additional Information for the Shaft Seals Parameters	
WPO41559	Request Memo: "Request for new inventory for 29 isotopes."	
WPO41560	Source Memo: "Updated (2033 yr) Radionuclides for Use in WIPP PA Calculations"	
WPO41662	SWCF-A:1.2.07.1:PDD:QA:Correspondence File, RE:Clarification of CASTILER GRIDFLO (id#3194) Parameter Definition and Usage	
WPO42046	Memo: L. Sanchez to M. Martell, 10/30/96, Impact of Atomic Weight Values for Sr-90 in Database	
WPO42257	Memo: M. Martell to C. Lattier, 11/14/96, subj: Additional Information for the DRZ (Disturbed Rock Zone) Porosity	
WPO42263	Blowout Experiments Using Fine Grained Silica Sands in an Axisymmetric Geometry, SAND96-2800	
WPO42681	Memo: P. Vaughn to File, 1/29/96, Worksheet: WAS_AREA and REPOSIT Parameters for BRAGFLO	
WPO42701	WIPP/CAO-96-3168	
WPO42714	Category Changes for id 2902, 2094, 2785, 2784, 2819, 2920	
WPO42750	Additional Information for 464's - Explanation of Use of Cumulative Distribution for id 2313.	
WPO42751	Memo: M. Martell to C. Lattier, 12/11/97, Explanation for the Use of Cumulative Distribution Instead of Uniform	
WPO42752	Additional Information for 464s-Explanation of Use of Cumulative Distribution for id 2516, 2533, 2550, 2567, 2809, 2989, 3057, and 3076	
WPO43751	Memo: Calculation of the Total Area that is Covered by the Berm and That is Enclosed by the Berm	
WS_PALMER	Worksheet submitted by Palmer Vaughn 2/20/96idmtrl = SANTAROS	

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WPO40524	Helton, J.C.		1996	Sandia National Laboratories	SWCF
WPO41131	T.W. Thompson, W.E. Coons, J.L. Krumhansl, and F.D. Hansen		20-May-96	Sandia National Laboratories	Albuquerque, NM
WPO41556	Mary-Alena Martell		25-Oct-96		
WPO41557	Mary-Alena Martell		28-Oct-96		
WPO41558	Mary-Alena Martell		28-Oct-96		
WPO41559	Christine Stockman to Larry Sanchez		28-10-96		
WPO41560	L.C. Sanchez to M. Martell		28-10-96		
WPO41662	Jon Helton				
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WPO42257	M. Martell		14-Nov-96		
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WPO42681	P. Vaughn		25-Nov-96		Albuquerque, NM
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WPO42714	Mary-Alena Martell to Charlene Lattier		10-Dec-96		
WPO42750	Mary-Alena Martell to Charlene Lattier		11-Dec-96		
WPO42751	Mary-Alena Martell		11-Dec-96		Albuquerque, New Mexico
WPO42752	Mary-Alena Martell to Charlene Lattier		12-Dec-96		
WPO43751	K. Trauth		12-Jan-97		
WS_PALMER	P. Vaughn		20-Feb-96		

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Appendix M5

Table from EPA Parameter Database: Model Cross Reference

Model Cross-Reference

ID	Codename
2	CUTTINGS_S
2	GRIDFLO
2	NUTS
2	SECOFL
2	SECOTP
3	CUTTINGS_S
3	NUTS
4	CUTTINGS_S
4	NUTS
4	PANEL
5	CUTTINGS_S
5	NUTS
5	PANEL
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6	NUTS
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Model Cross-Reference

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Model Cross-Reference

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609	NUTS
609	PANEL
610	CUTTINGS_S
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610	PANEL
611	CUTTINGS_S
611	GRIDFLO
611	NUTS
611	SECOFL
611	SECOTP
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613	CUTTINGS_S
613	NUTS
613	PANEL
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614	NUTS
614	PANEL
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632	GRIDFLO
632	NUTS
632	SECOFL
632	SECOTP
633	CUTTINGS_S
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634	PANEL
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635	NUTS
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636	GRIDFLO
636	NUTS
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636	SECOTP
637	CUTTINGS_S

ID	Codename
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640	SECOFL
640	SECOTP
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644	SECOFL
644	SECOTP
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647	SECOTP
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861	SECOTP
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Model Cross-Reference

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ID	Codename
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2269	NUTS
2269	PANEL

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Model Cross-Reference

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Model Cross-Reference

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Model Cross-Reference

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2834	NUTS
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2834	SECOTP
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2835	GRIDFLO
2835	NUTS
2835	SECOFL

ID	Codename
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2882	SECOTP

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2891	GRIDFLO

Model Cross-Reference

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3120	BRAGFLO
3121	BRAGFLO
3122	BRAGFLO
3123	BRAGFLO
3124	BRAGFLO
3125	BRAGFLO
3126	BRAGFLO
3128	BRAGFLO
3129	BRAGFLO
3131	BRAGFLO
3132	BRAGFLO
3133	BRAGFLO
3134	BRAGFLO
3135	BRAGFLO
3136	BRAGFLO
3137	BRAGFLO

ID	Codename
3138	BRAGFLO
3139	BRAGFLO
3140	BRAGFLO
3141	BRAGFLO
3142	BRAGFLO
3143	BRAGFLO
3144	BRAGFLO
3145	BRAGFLO
3146	BRAGFLO
3147	BRAGFLO
3148	BRAGFLO
3149	BRAGFLO
3150	BRAGFLO
3151	BRAGFLO
3152	BRAGFLO
3153	BRAGFLO
3154	BRAGFLO
3155	BRAGFLO
3156	BRAGFLO
3157	BRAGFLO
3158	BRAGFLO
3159	BRAGFLO
3160	BRAGFLO
3161	BRAGFLO
3162	BRAGFLO
3163	BRAGFLO
3164	BRAGFLO
3165	BRAGFLO
3166	BRAGFLO
3167	BRAGFLO
3168	BRAGFLO
3169	BRAGFLO
3170	BRAGFLO
3171	BRAGFLO
3172	BRAGFLO
3173	BRAGFLO
3174	BRAGFLO
3175	BRAGFLO
3176	BRAGFLO
3177	BRAGFLO
3178	BRAGFLO
3179	BRAGFLO
3180	BRAGFLO
3181	BRAGFLO
3182	BRAGFLO
3183	BRAGFLO
3184	BRAGFLO
3185	BRAGFLO
3186	BRAGFLO
3187	BRAGFLO
3188	BRAGFLO

-- Model Cross-Reference

ID	Codename
3189	BRAGFLO
3190	BRAGFLO
3191	BRAGFLO
3192	BRAGFLO
3193	BRAGFLO
3194	BRAGFLO
3194	CCDFGF
3194	GRIDFLO
3196	CUTTINGS_S
3196	NUTS
3197	CUTTINGS_S
3197	NUTS
3198	CUTTINGS_S
3198	NUTS
3199	CUTTINGS_S
3199	NUTS
3200	CUTTINGS_S
3200	NUTS
3201	CUTTINGS_S
3201	NUTS
3202	CUTTINGS_S
3202	NUTS
3203	CUTTINGS_S
3203	NUTS
3204	CUTTINGS_S
3204	NUTS
3205	CUTTINGS_S
3205	NUTS
3206	CUTTINGS_S
3206	NUTS
3207	CUTTINGS_S
3207	NUTS
3208	CUTTINGS_S
3208	NUTS
3209	CUTTINGS_S
3209	NUTS
3210	CUTTINGS_S
3210	NUTS
3211	CUTTINGS_S
3211	NUTS
3212	CUTTINGS_S
3212	NUTS
3213	CUTTINGS_S
3213	NUTS
3214	CUTTINGS_S
3214	NUTS
3215	CUTTINGS_S
3215	NUTS
3216	CUTTINGS_S
3216	NUTS
3217	CUTTINGS_S

ID	Codename
3217	NUTS
3218	CUTTINGS_S
3218	NUTS
3219	CUTTINGS_S
3219	NUTS
3220	CUTTINGS_S
3220	NUTS
3221	CUTTINGS_S
3221	NUTS
3222	CUTTINGS_S
3222	NUTS
3223	CUTTINGS_S
3223	NUTS
3224	CUTTINGS_S
3224	NUTS
3225	CUTTINGS_S
3225	NUTS
3226	CUTTINGS_S
3226	NUTS
3227	CUTTINGS_S
3227	NUTS
3228	CUTTINGS_S
3228	NUTS
3229	CUTTINGS_S
3229	NUTS
3230	CUTTINGS_S
3230	NUTS
3231	CUTTINGS_S
3231	NUTS
3232	CUTTINGS_S
3232	NUTS
3233	CUTTINGS_S
3233	NUTS
3234	CUTTINGS_S
3234	NUTS
3235	CUTTINGS_S
3235	NUTS
3236	CUTTINGS_S
3236	NUTS
3237	CUTTINGS_S
3237	NUTS
3238	BRAGFLO
3238	NUTS
3239	CUTTINGS_S
3240	CUTTINGS_S
3241	CUTTINGS_S
3242	CUTTINGS_S
3243	CUTTINGS_S
3244	CUTTINGS_S
3245	CUTTINGS_S
3246	CUTTINGS_S

ID	Codename
3247	CUTTINGS_S
3248	CUTTINGS_S
3249	CUTTINGS_S
3250	CUTTINGS_S
3251	CUTTINGS_S
3252	CUTTINGS_S
3253	CUTTINGS_S
3254	CUTTINGS_S
3255	CUTTINGS_S
3256	CUTTINGS_S
3257	CUTTINGS_S
3258	CUTTINGS_S
3259	CUTTINGS_S
3260	CUTTINGS_S
3261	CUTTINGS_S
3262	GRIDFLO
3262	NUTS
3262	PANEL
3263	GRIDFLO
3263	NUTS
3263	PANEL
3264	GRIDFLO
3264	NUTS
3264	PANEL
3265	GRIDFLO
3265	NUTS
3265	PANEL
3266	GRIDFLO
3266	NUTS
3266	PANEL
3267	CUTTINGS_S
3267	NUTS
3268	CUTTINGS_S
3268	NUTS
3269	CUTTINGS_S
3269	NUTS
3270	CUTTINGS_S
3270	NUTS
3271	CUTTINGS_S
3271	NUTS
3272	CUTTINGS_S
3272	NUTS
3273	CUTTINGS_S
3273	NUTS
3274	CUTTINGS_S
3274	NUTS
3275	CUTTINGS_S
3275	NUTS
3276	CUTTINGS_S
3276	NUTS
3277	CUTTINGS_S

Model Cross-Reference

ID	Codename
3277	NUTS
3278	CUTTINGS_S
3278	NUTS
3279	CUTTINGS_S
3279	NUTS
3280	CUTTINGS_S
3280	NUTS
3281	CUTTINGS_S
3281	NUTS
3282	CUTTINGS_S
3282	NUTS
3283	CUTTINGS_S
3283	NUTS
3284	CUTTINGS_S
3284	NUTS
3285	CUTTINGS_S
3285	NUTS
3286	CUTTINGS_S
3286	NUTS
3287	CUTTINGS_S
3287	NUTS
3288	CUTTINGS_S
3288	NUTS
3289	CUTTINGS_S
3289	NUTS
3290	CUTTINGS_S
3290	NUTS
3291	CUTTINGS_S
3291	NUTS
3292	CUTTINGS_S
3292	NUTS
3293	CUTTINGS_S
3293	NUTS
3294	CUTTINGS_S
3294	NUTS
3295	CUTTINGS_S
3295	NUTS
3296	CUTTINGS_S
3296	NUTS
3297	CUTTINGS_S
3297	NUTS
3298	CUTTINGS_S
3298	NUTS
3299	CUTTINGS_S
3299	NUTS
3300	CUTTINGS_S
3300	NUTS
3301	CUTTINGS_S
3301	NUTS
3302	CUTTINGS_S
3302	NUTS

ID	Codename
3303	CUTTINGS_S
3303	NUTS
3304	CUTTINGS_S
3304	NUTS
3305	CUTTINGS_S
3305	NUTS
3306	CUTTINGS_S
3306	NUTS
3307	GRIDFLO
3307	NUTS
3308	GRIDFLO
3308	NUTS
3309	GRIDFLO
3309	NUTS
3310	GRIDFLO
3310	NUTS
3311	GRIDFLO
3311	NUTS
3312	GRIDFLO
3312	NUTS
3313	GRIDFLO
3313	NUTS
3314	GRIDFLO
3314	NUTS
3315	GRIDFLO
3315	NUTS
3316	GRIDFLO
3316	NUTS
3317	GRIDFLO
3317	NUTS
3318	GRIDFLO
3318	NUTS
3319	GRIDFLO
3319	NUTS
3320	GRIDFLO
3320	NUTS
3321	CUTTINGS_S
3322	CUTTINGS_S
3323	CUTTINGS_S
3324	CUTTINGS_S
3325	CUTTINGS_S
3326	CUTTINGS_S
3327	CUTTINGS_S
3328	CUTTINGS_S
3329	CUTTINGS_S
3330	CUTTINGS_S
3331	CUTTINGS_S
3332	CUTTINGS_S
3333	CUTTINGS_S
3334	CUTTINGS_S
3335	CUTTINGS_S

ID	Codename
3336	CUTTINGS_S
3337	CUTTINGS_S
3338	CUTTINGS_S
3339	CUTTINGS_S
3340	CUTTINGS_S
3341	CUTTINGS_S
3342	CUTTINGS_S
3343	CUTTINGS_S
3344	CUTTINGS_S
3345	CUTTINGS_S
3346	CUTTINGS_S
3347	CUTTINGS_S
3348	CUTTINGS_S
3349	CUTTINGS_S
3350	CUTTINGS_S
3351	CUTTINGS_S
3352	CUTTINGS_S
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3354	CUTTINGS_S
3355	CUTTINGS_S
3356	CUTTINGS_S
3357	CUTTINGS_S
3358	CUTTINGS_S
3359	CUTTINGS_S
3360	CUTTINGS_S
3361	CUTTINGS_S
3362	CUTTINGS_S
3363	CUTTINGS_S
3364	CUTTINGS_S
3365	CUTTINGS_S
3366	CUTTINGS_S
3367	CUTTINGS_S
3368	CUTTINGS_S
3369	CUTTINGS_S
3370	CUTTINGS_S
3371	CUTTINGS_S
3372	CUTTINGS_S
3373	CUTTINGS_S
3374	CUTTINGS_S
3375	CUTTINGS_S
3376	CUTTINGS_S
3377	CUTTINGS_S
3378	CUTTINGS_S
3379	CUTTINGS_S
3380	CUTTINGS_S
3381	CUTTINGS_S
3382	CUTTINGS_S
3383	CUTTINGS_S
3384	CUTTINGS_S
3385	CUTTINGS_S
3386	CUTTINGS_S

Model Cross-Reference

ID	Codename
3387	CUTTINGS_S
3388	CUTTINGS_S
3389	GRIDFLO
3389	NUTS
3389	PANEL
3390	GRIDFLO
3390	NUTS
3390	PANEL
3391	GRIDFLO
3391	NUTS
3391	PANEL
3392	GRIDFLO
3392	NUTS
3392	PANEL
3393	GRIDFLO
3393	NUTS
3393	PANEL
3402	GRIDFLO
3402	NUTS
3402	PANEL
3403	GRIDFLO
3403	NUTS
3403	PANEL
3404	GRIDFLO
3404	NUTS
3404	PANEL
3405	GRIDFLO
3405	NUTS
3405	PANEL
3406	GRIDFLO
3406	NUTS
3406	PANEL
3407	GRIDFLO
3407	NUTS
3407	PANEL
3408	GRIDFLO
3408	NUTS
3408	PANEL
3409	GRIDFLO
3409	NUTS
3409	PANEL
3410	CUTTINGS_S
3410	NUTS
3410	PANEL
3411	CUTTINGS_S
3411	NUTS
3411	PANEL
3412	CUTTINGS_S
3412	NUTS
3412	PANEL
3413	CUTTINGS_S

ID	Codename
3413	NUTS
3413	PANEL
3414	CUTTINGS_S
3415	CUTTINGS_S
3415	NUTS
3415	PANEL
3416	CUTTINGS_S
3416	NUTS
3416	PANEL
3417	NUTS
3418	GRASP_INV
3419	SECOFL
3420	CUTTINGS_S
3421	CUTTINGS_S
3421	NUTS
3429	GRIDFLO
3429	NUTS
3430	GRIDFLO
3430	NUTS
3431	GRIDFLO
3431	NUTS
3432	GRIDFLO
3432	NUTS
3433	GRIDFLO
3433	NUTS
3434	GRIDFLO
3434	NUTS
3435	GRIDFLO
3435	NUTS
3436	GRIDFLO
3436	NUTS
3437	GRIDFLO
3437	NUTS
3438	GRIDFLO
3438	NUTS
3439	GRIDFLO
3439	NUTS
3440	GRIDFLO
3440	NUTS
3441	GRIDFLO
3441	NUTS
3442	NUTS
3442	SECOTP
3443	NUTS
3443	SECOTP
3444	NUTS
3444	SECOTP
3446	NUTS
3446	SECOTP
3447	GRIDFLO
3447	NUTS

ID	Codename
3448	NUTS
3448	SECOTP
3449	NUTS
3449	SECOTP
3454	BRAGFLO
3455	BRAGFLO
3456	BRAGFLO_DBR
3457	GRIDFLO
3457	NUTS
3458	GRIDFLO
3458	NUTS
3459	GRIDFLO
3459	NUTS
3460	GRIDFLO
3460	NUTS
3461	GRIDFLO
3461	NUTS
3462	SECOFL
3462	SECOTP
3469	SECOTP
3470	BRAGFLO_DBR
3471	BRAGFLO_DBR
3472	BRAGFLO_DBR
3473	BRAGFLO_DBR
3474	SECOTP
3475	NUTS
3475	SECOTP
3476	NUTS
3476	SECOTP
3477	NUTS
3477	SECOTP
3478	NUTS
3478	SECOTP
3479	NUTS
3479	SECOTP
3480	NUTS
3480	SECOTP
3481	NUTS
3481	SECOTP
3482	NUTS
3482	SECOTP
3483	SECOTP
3484	SECOTP
3485	SECOTP
3486	SECOTP
3487	SECOTP
3488	CCDFGF
3488	GRIDFLO
3489	CCDFGF
3489	GRIDFLO
3490	CCDFGF

Model Cross-Reference

ID	Codename
3490	GRIDFLO
3491	CCDFGF
3491	GRIDFLO
3492	CCDFGF
3492	GRIDFLO
3493	CCDFGF
3493	GRIDFLO
3494	CCDFGF
3494	GRIDFLO
3495	CCDFGF
3495	GRIDFLO
3496	CCDFGF
3496	GRIDFLO
3497	CCDFGF
3497	GRIDFLO
3498	CCDFGF
3498	GRIDFLO
3499	CCDFGF
3499	GRIDFLO
3500	CCDFGF
3500	GRIDFLO
3501	CCDFGF
3501	GRIDFLO
3502	CCDFGF
3502	GRIDFLO
3503	CCDFGF
3503	GRIDFLO
9000	BRAGFLO
9001	BRAGFLO
9002	BRAGFLO
9003	BRAGFLO
9004	BRAGFLO

ID	Codename
9005	BRAGFLO
9006	BRAGFLO
9007	BRAGFLO
9008	BRAGFLO
9009	BRAGFLO
9010	BRAGFLO
9011	BRAGFLO
9012	BRAGFLO
9013	BRAGFLO
9014	BRAGFLO
9015	BRAGFLO
9016	BRAGFLO
9017	BRAGFLO
9018	BRAGFLO
9019	BRAGFLO
9020	BRAGFLO
9021	BRAGFLO
9022	BRAGFLO
9023	BRAGFLO
9024	BRAGFLO
9025	BRAGFLO
9026	BRAGFLO
9027	BRAGFLO
9028	BRAGFLO
9029	BRAGFLO
9030	BRAGFLO
9031	BRAGFLO
9032	BRAGFLO
9033	BRAGFLO
9034	BRAGFLO
9035	BRAGFLO

ID	Codename
9036	BRAGFLO
9037	BRAGFLO
9038	BRAGFLO
9039	BRAGFLO
9040	BRAGFLO
9041	BRAGFLO
9042	BRAGFLO
9043	BRAGFLO
9044	BRAGFLO
9045	BRAGFLO
9046	BRAGFLO
9047	BRAGFLO
9048	BRAGFLO
9049	BRAGFLO
9050	BRAGFLO
9051	BRAGFLO
9052	BRAGFLO
9053	BRAGFLO
9054	BRAGFLO
9055	BRAGFLO
9056	BRAGFLO
9057	BRAGFLO
9058	BRAGFLO
9059	BRAGFLO
9060	BRAGFLO
9061	CUTTINGS_S
9062	CUTTINGS_S
9063	CUTTINGS_S
9064	CUTTINGS_S
9065	CUTTINGS_S
9066	CUTTINGS_S

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Appendix M6

Memoranda: Description of EPA Parameter Database Contents

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Sandia National Laboratories

Albuquerque, New Mexico 87185-1341

date: July 31, 1997

to: Sandia WIPP Central Files, SWCF-A:1.2.07.1:PDD:QA:EPA
Database

from: Lori J. Dotson, MS 1341 (6848)

subject: Submittal of Intermediate Tables from "EPA Database"
(wipp_reference) to Sandia WIPP Central Files

The WIPP EPA Database contains information which supports the parameter values used in the 1996 WIPP CCA calculations. The database is maintained in INGRES and is named wipp_reference. Several views from this database have been downloaded into an EXCEL workbook titled epa_072297.xls. This workbook contains six sheets (described below) which are currently available on the following ftp site: ftp.nwr.sandia.gov/clatti/epa_072297.xls. A hardcopy of these six sheets are contained as attachments to this memorandum and should be filed in the Sandia WIPP Central Files.

ATTACHMENT 1: Footnotes for Attachment 2
(Worksheet titled "footnotes")

This sheet defines footnotes 1 (Parameter category), 2 (Classification of data category) and 3 (Methods used to qualify existing data) which are used in the following sheet of the workbook "epa_072297" (See also Attachment 2).

ATTACHMENT 2: Main EPA Database -7/22/97
(Worksheet titled "epa_072297")

This sheet contains a comprehensive listing of all parameters contained in the WIPP PA Database. There are several columns which are defined below:

Column #1: "Parameter in Database? (Y/N)"

Identifies whether or not values for the parameter are stored in the WIPP PA Database.

Column #2: "If the values used in CCA are not the same as in DB, provide % difference"

Provides the percent difference between a parameter value used in the 1996 CCA calculation versus the value stored in the WIPP PA Database for the rare case where a parameter value from the database was not used.

Column #3: "ID"

Unique parameter identification number assigned by the Database Administrator.

Column #4: "Material ID"

Abbreviated name of the material region represented by the parameter value.

Column #5: "Material Name"

Full name of the material region.

Column #6: "Parameter ID"

Abbreviated name of the property.

Column #7: "Parameter Name"

Full name of the property.

Column #8: "PRP ID (WPO#)"

The WIPP Project Office (WPO) number assigned to the Parameter Records Package (PRP). The PRP consists of the 464 Form plus any attached information.

Column #9: "Data Entry Date"

Date the parameter value was entered into the WIPP PA Database.

Column #10: "Is the 464 consistent with the parameter in the DB? (Y, N/A)"

Indicates whether the parameter value contained in the WIPP PA Database is the same as the value contained in the 464 Form (Y = Yes, N/A = Not Applicable).

Column #11: "Parameter Category (footnote 1)"

(See also Attachment 1)

Parameter category descriptions as contained in QAP 9-2, Rev 2.

1) Parameters based on site-specific information used as initial input to a WIPP PA numerical model that specifies the physical, chemical, or hydrological properties of the

rock formations, seals, backfills, and waste form, or any other natural or engineered feature of the WIPP

2) Parameters representing the inventory of the waste to be emplaced in the WIPP as defined in the Waste Isolation Pilot Plant Transuranic Waste Baseline Inventory Report (BIR)

3) Parameters representing precisely known, tabulated physical constants (e.g., the half-life of a radionuclide, gravitational constant).

4a) Parameters that are assigned based on similarity of properties between similar material or features

4b) Parameters that are model configuration parameters not based on specific WIPP properties or features but are needed to make PA models run (e.g. time-step limits).

5) Parameters not used in current compliance calculations.

Column #12: "Classification of Data Category (footnote 2)"

(See also Attachment 1)

General classification for data and other information used in the development of parameters. (Note that a parameter may have more than one data category assigned to it).

1) Site-specific or waste-specific data. This category includes information obtained from in-situ experiments and research conducted at off-site laboratories (for example, permeability data, microbial gas generation). This category also includes simulated waste experiments and may indicate correlations made with other material regions based on professional judgement.

2) Waste-specific observational data. This category includes data obtained through observation or empirical analysis, such as semi-quantitative and qualitative visual characterization or acceptable knowledge of transuranic (TRU) waste (for example, waste components).

3) Professional Judgement. This category of information may involve the use of experimental or observational data from other non-WIPP contexts; interpreting information obtained from the general literature; or may be based on general engineering knowledge (see below). In some cases, professional judgement can be used in assigning values to category 1 parameters.

4) General Literature Data. This category of information includes that obtained from reports, journal articles, or handbooks relevant to systems or processes being modeled in the performance assessment.

5) General Engineering Knowledge. This category of information identifies parameter values obtained from knowledge of standard engineering principles.

Column #13: "Distribution Type"

Parameter probability distribution type:

CONSTANT = Single value (no distribution)

TRIANGULAR = Triangular probability distribution

UNIFORM = Uniform probability distribution

CUMULATIVE = Cumulative probability distribution
NORMAL = Normal probability distribution
STUDENT = Student's t (or simply "t") probability distribution
DELTA = Delta probability distribution
LOGUNIFORM = Loguniform probability distribution
LOGCUMULATIVE = Logcumulative probability distribution
LOGNORMAL = Lognormal probability distribution

This list is inclusive for the CCA WIPP Database.

Column #14: "Mean"

The mean of the distribution.

Column #15: "Median"

The median of the distribution.

Column #16: "Minimum"

The minimum value in the distribution.

Column #17: "Maximum"

The maximum value in the distribution.

Column #18: "Units"

The SI units of the parameter value.

Column #19: "Reference ID"

(See also Attachment 5)

The reference(s) which support the parameter value.

Column #20: "Was the data developed under an NQA-1 Program?"

Identifies whether or not the parameter values were developed under a NQA-1 Program (i.e., the American Society of Mechanical Engineers (ASME) "Quality Assurance Program Requirements for Nuclear Facilities").

Column #21: "Which methods were used to qualify existing data? (footnote 3)"

(See also Attachment 1)

Methods used to qualify existing data:

- 1) Peer review
  - 2) Corroborating data
  - 3) Confirmatory testing
  - 4) Demonstration that the data was collected under a quality assurance program equivalent to NQA-1/3
  - 5) If none of the above methods were used, then the data remains unqualified
  - 6) Non-WIPP published literature (includes journal articles, conference papers, textbooks, handbooks, etc.)
  - 7) QED (same as "1" above)
- N/A = Not Applicable

ATTACHMENT 3: Parameters based on Empirical Data
(Worksheet titled "sorted - empirical data")

This sheet lists those parameters which are based, in whole or part, on empirical data. Attachment 3 does not contain the entire spreadsheet as presented on the FTP site; only key columns are presented in Attachment 3 since this sheet is a subset of "epa_072297" which is printed out in its entirety in Attachment 2 of this memorandum. The column headings for this sheet are the same as defined above for Attachment 2.

ATTACHMENT 4: Codes
(Worksheet titled "model cross-reference")

This sheet lists the code(s) in which each parameter is used. The sheet identifies parameters by id number only; parameter names are identified in the sheet "epa_072297" (See also Attachment 2).

ATTACHMENT 5: References for Attachment 2
(Worksheet titled "source cross-reference")

This sheet provides details for the references cited in Column "19" of the sheet "epa_072297" (See also Attachment 2).

ATTACHMENT 6: Additional Sources
(Worksheet titled "additional sources")

This sheet provides detailed technical documentation for a select group of parameters.

Copy (w/ attachments) to:

MS-1341, Lori J. Dotson, 6848
MS-1341, Susan Howarth, 6801
MS-1328, Gary Froehlich, 6801

Copy (w/o attachments) to:

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MS-1328, Gretchen Newman, 6848
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MS-1328, Mary-Alena Martell, 6849
DOE/CAO Marc Italiano
DOE/CAO George Basabilvazo

Sandia National Laboratories

Albuquerque, New Mexico 87185-1341

date: August 7, 1997

to: Sandia WIPP Central Files, SWCF-A:1.2.07.1:PDD:QA:EPA
Database

from: Lori J. Dotson, MS 1341 (6848)

subject: Replacement of Attachment 6 and Addition of Attachment 7 to
WIPP "EPA Database" (WPO# 46761)

Please replace Attachment 6 "Additional Sources" and add Attachment 7 "Enhanced Sources" to the WIPP "EPA Database" memorandum which was submitted to the Sandia WIPP Central Files on July 31, 1997 (WPO# 46761). The complete updated workbook now contains seven sheets which are currently available on the following ftp site: ftp://nwer.sandia.gov/clatti/epa_080797.xls. Attachment 6 was described in my memorandum dated July 31, 1997. Attachment 7 contains enhanced source information for the 149 parameters previously classified as being based on professional judgement. A hardcopy of the new sheets are contained as attachments to this memorandum.

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Appendix N

Listing of Parameters Used in CCA PA Codes which Differ from Database Values

Listing of Parameters Used in BRAGFLO which Differ from the WIPP 1996 Compliance Certification Application Parameter Database

Database material	Database parameter	Modeling value used	Distribution type	Database value	Units	WFO #
REFCON	GRAVACC	9.79	CONSTANT	9.8067	m/s^2	32386
DRZ_0	POROSITY	0.0029 + (realization value S_HALITE)	CONSTANT	3.90E-03 to 3.29E-02	log(m^2)	32839
DRZ_1	POROSITY	0.0029 + (realization value S_HALITE)	CUMULATIVE	1.00E+00 to 1.03E+00	log(m^2)	32902
DEWYLAKE	PCT_A	0.00	CONSTANT	2.60E-01	Pa	32725
DEWYLAKE	PCT_EXP	0.00	CONSTANT	-3.48E-01	none	32727
BH_CREEP	PRMX_LOG	0.1* + (realization value BH_SAND)	UNIFORM	-1.50000E+01 to -1.20000E+01	log(m^2)	36640
CL_L_T1	PCT_A	0.00	CONSTANT	0.56	Pa	31901
CL_L_T2	PCT_A	0.00	CONSTANT	0.56	Pa	31928
CL_L_T3	PCT_A	0.00	CONSTANT	0.56	Pa	31979
CL_L_T4	PCT_A	0.00	CONSTANT	0.56	Pa	32010
CL_M_T1	PCT_A	0.00	CONSTANT	0.56	Pa	32041
CL_M_T2	PCT_A	0.00	CONSTANT	0.56	Pa	32116
CL_M_T3	PCT_A	0.00	CONSTANT	0.56	Pa	32143
CL_M_T4	PCT_A	0.00	CONSTANT	0.56	Pa	32195
CL_M_T5	PCT_A	0.00	CONSTANT	0.56	Pa	32232
CLAY_BOT	PCT_A	0.00	CONSTANT	0.56	Pa	31859
CLAY_RUS	PCT_A	0.00	CONSTANT	0.56	Pa	31880
CONC_MON	PCT_A	0.00	CONSTANT	0.56	Pa	32508
CONC_T1	PCT_A	0.00	CONSTANT	0.56	Pa	32561
CONC_T2	PCT_A	0.00	CONSTANT	0.56	Pa	32652
EARTH	PCT_A	0.00	CONSTANT	0.56	Pa	32920
SALT_T1	PCT_A	0.00	CONSTANT	0.56	Pa	33369
SALT_T2	PCT_A	0.00	CONSTANT	0.56	Pa	33433
SALT_T3	PCT_A	0.00	CONSTANT	0.56	Pa	33404
SALT_T4	PCT_A	0.00	CONSTANT	0.56	Pa	33456
SALT_T5	PCT_A	0.00	CONSTANT	0.56	Pa	33575
SALT_T6	PCT_A	0.00	CONSTANT	0.56	Pa	33642
CONC_T1	PCT_EXP	0.00	CONSTANT	-3.46000E-01	none	32563
CONC_T2	PCT_EXP	0.00	CONSTANT	-3.46000E-01	none	32656
CLAY_RUS	PCT_EXP	0.00	CONSTANT	-3.46000E-01	none	31881
CLAY_BOT	PCT_EXP	0.00	CONSTANT	-3.46000E-01	none	31860
CL_M_T1	PCT_EXP	0.00	CONSTANT	-3.46000E-01	none	32042

NOTES:

- Further information and explanation of the difference in parameter values between the Performance Assessment Database and the BRAGFLO calculations may be found in the "Analysis Package for the Salado Flow Calculations (TASK 1) of the Performance Assessment Analysis Supporting the Compliance Certification Application," SNL, 1996.
- Pressure is specified in the Salado Halite at the horizon of MB139 and other pressures in the Salado are calculated, assuming a hydrostatic pressure gradient.

Listing of Parameters Used in BRAGFLO which Differ from the WIPP 1996 Compliance Certification Application Parameter Database (Continued)

Database material	Database parameter	Modeling value used	Distribution type	Database value	Units	WPO #
CL_M_T2	PCT_EXP	0.00	CONSTANT	-3.46000E-01	none	31117
CL_M_T3	PCT_EXP	0.00	CONSTANT	-3.46000E-01	none	32144
CL_M_T4	PCT_EXP	0.00	CONSTANT	-3.46000E-01	none	32196
CL_M_T5	PCT_EXP	0.00	CONSTANT	-3.46000E-01	none	32233
CL_L_T1	PCT_EXP	0.00	CONSTANT	-3.46000E-01	none	31902
CL_L_T2	PCT_EXP	0.00	CONSTANT	-3.46000E-01	none	31929
CL_L_T3	PCT_EXP	0.00	CONSTANT	-3.46000E-01	none	31980
CL_L_T4	PCT_EXP	0.00	CONSTANT	-3.46000E-01	none	32011
SALT_T1	PCT_EXP	0.00	CONSTANT	-3.46000E-01	none	33370
SALT_T2	PCT_EXP	0.00	CONSTANT	-3.46000E-01	none	33435
SALT_T3	PCT_EXP	0.00	CONSTANT	-3.46000E-01	none	33406
SALT_T4	PCT_EXP	0.00	CONSTANT	-3.46000E-01	none	33457
SALT_T5	PCT_EXP	0.00	CONSTANT	-3.46000E-01	none	33577
SALT_T6	PCT_EXP	0.00	CONSTANT	-3.46000E-01	none	33645
EARTH	SAT_IBRN	0.9999999	CONSTANT	0.8	none	32961
CLAY_RUS	SAT_IBRN	0.9999999	CONSTANT	0.79	none	31894
CLAY_BOT	SAT_IBRN	0.9999999	CONSTANT	0.79	none	31873
CL_M_T1	SAT_IBRN	0.9999999	CONSTANT	0.79	none	32060
CL_L_T1	SAT_IBRN	0.9999999	CONSTANT	0.79	none	31920
SALT_T1	SAT_IBRN	0.9999999	CONSTANT	0.32	none	33416
CONC_T1	COMP_RCK	2.64E-9	CONSTANT	1.20E-9	Pa^-1	32556
CONC_T2	COMP_RCK	2.64E-9	CONSTANT	1.20E-9	Pa^-1	32638
S_MB138	PRESSURE	See note 2	STUDENT'S-T	9.38000E+06 to 1.11100E+07	Pa	34532
S_MB139	PRESSURE	See note 2	STUDENT'S-T	9.38000E+06 to 1.11100E+07	Pa	34863
CASTILER	POROSITY	POROSITY= POROSITY*(number of brine pockets/5)	STUDENT'S-T	2.00000E-03 to 1.60000E-02	none	31610
CULEBRA	THICK	7.70	CONSTANT	7.75	m	32790

NOTES:

1. Further information and explanation of the difference in parameter values between the Performance Assessment Database and the BRAGFLO calculations may be found in the "Analysis Package for the Salado Flow Calculations (TASK 1) of the Performance Assessment Analysis Supporting the Compliance Certification Application," SNL, 1996.
2. Pressure is specified in the Salado Halite at the horizon of MB139 and other pressures in the Salado are calculated, assuming a hydrostatic pressure gradient.

Listing of Parameters Used in PANEL which Differ from the WIPP 1996 Compliance Certification Application Parameter Database

Database material	Database parameter	PANEL halflife (years)	Database halflife (sec)	Database (sec/yr)	PANEL yr to sec	Halflife % diff	Impact	Database parameter	PANEL atomic weight	Database atomic weight	Atomic weight % diff	Impact
SR-90	HALFLIFE	2.91200E+01	9.19000E+08	3.155693E+07	9.18938E+08	0.01%	b	ATWEIGHT	90	8.99080E-02	0.10%	a
CS-137	HALFLIFE	3.00000E+01	9.46700E+08		9.46708E+08	0.00%	b	ATWEIGHT	137	1.36907E-01	0.07%	a
PB-210	HALFLIFE	2.23000E+01	7.03700E+08		7.03720E+08	0.00%	b	ATWEIGHT	210	2.09984E-01	0.01%	a
RA-226	HALFLIFE	1.60000E+03	5.04900E+10		5.04911E+10	0.00%	b	ATWEIGHT	226	2.26025E-01	0.01%	a
RA-228	HALFLIFE	5.75000E+00	2.11430E+08		1.81452E+08	14.18%	b	ATWEIGHT	228	2.28031E-01	0.01%	a
TH-229	HALFLIFE	7.34000E+03	2.31600E+11		2.31628E+11	0.01%	b	ATWEIGHT	229	2.29032E-01	0.01%	a
TH-230	HALFLIFE	7.70000E+04	2.43000E+12		2.42988E+12	0.00%	b	ATWEIGHT	230	2.30033E-01	0.01%	a
TH-232	HALFLIFE	1.40500E+10	4.43400E+17		4.43375E+17	0.01%	b	ATWEIGHT	232	2.32038E-01	0.02%	a
PA-231	HALFLIFE	3.27600E+04	1.03400E+12		1.03381E+12	0.02%	b	ATWEIGHT	231	2.31036E-01	0.02%	a
U-233	HALFLIFE	1.58500E+05	5.00200E+12		5.00177E+12	0.00%	b	ATWEIGHT	233	2.33040E-01	0.02%	a
U-234	HALFLIFE	2.44500E+05	7.71600E+12		7.71567E+12	0.00%	b	ATWEIGHT	234	2.34041E-01	0.02%	a
U-235	HALFLIFE	7.03800E+08	2.22100E+16		2.22098E+16	0.00%	b	ATWEIGHT	235	2.35044E-01	0.02%	a
U-236	HALFLIFE	2.34200E+07	7.38900E+14		7.39063E+14	0.02%	b	ATWEIGHT	236	2.36046E-01	0.02%	a
U-238	HALFLIFE	4.46800E+09	1.41000E+17		1.40996E+17	0.00%	b	ATWEIGHT	238	2.38051E-01	0.02%	a
NP-237	HALFLIFE	2.14000E+06	6.75300E+13		6.75318E+13	0.00%	b	ATWEIGHT	237	2.37048E-01	0.02%	a
PU-238	HALFLIFE	8.77400E+01	2.76900E+09		2.76881E+09	0.01%	b	ATWEIGHT	238	2.38050E-01	0.02%	a
PU-239	HALFLIFE	2.40700E+04	7.59400E+11		7.59575E+11	0.02%	b	ATWEIGHT	239	2.39052E-01	0.02%	a
PU-240	HALFLIFE	6.53700E+03	2.06300E+11		2.06288E+11	0.01%	b	ATWEIGHT	240	2.40054E-01	0.02%	a
PU-241	HALFLIFE	1.44000E+01	4.54400E+08		4.54420E+08	0.00%	b	ATWEIGHT	241	2.41057E-01	0.02%	a
PU-242	HALFLIFE	3.76300E+05	1.22100E+13		1.18749E+13	2.74%	b	ATWEIGHT	242	2.42059E-01	0.02%	a
PU-244	HALFLIFE	8.26000E+07	2.60700E+15		2.60660E+15	0.02%	b	ATWEIGHT	244	2.44064E-01	0.03%	a
AM-241	HALFLIFE	4.32200E+02	1.36400E+10		1.36389E+10	0.01%	b	ATWEIGHT	241	2.41057E-01	0.02%	a
CM-244	HALFLIFE	1.81100E+01	5.71500E+08		5.71496E+08	0.00%	b	ATWEIGHT	244	2.44063E-01	0.03%	a
CM-248	HALFLIFE	3.39000E+05	1.07000E+13		1.06978E+13	0.02%	b	ATWEIGHT	248	2.48072E-01	0.03%	a
CF-252	HALFLIFE	2.63800E+00	8.32500E+07		8.32472E+07	0.00%	b	ATWEIGHT	252	2.52082E-01	0.03%	a
PM-147	HALFLIFE	2.62340E+00	8.27900E+07		8.27865E+07	0.00%	b	ATWEIGHT	147	1.46915E-01	0.06%	a
SM-147	HALFLIFE	1.06000E+11	3.37700E+18		3.34503E+18	0.95%	b	ATWEIGHT	147	1.46915E-01	0.06%	a
AM-243	HALFLIFE	7.37000E+03	2.32900E+11		2.32575E+11	0.14%	b	ATWEIGHT	243	2.43061E-01	0.03%	a
CM-243	HALFLIFE	2.91000E+01	8.99400E+08		9.18307E+08	2.10%	b	ATWEIGHT	243	2.43061E-01	0.03%	a
CM-245	HALFLIFE	8.53000E+03	2.68200E+11		2.69181E+11	0.37%	b	ATWEIGHT	245	2.45065E-01	0.03%	a

NOTES:

1. The variables for PANEL can be found in block data GE_CHART, taken from u1:[jwgame.panel]cpanel.for;99 dated 10-may-1996 10:56
2. PANEL uses halflife in years. The value is converted to seconds using the sec/yr stored in the database.
3. The difference columns were added to show the variation of the values for halflife and atomic weight.
4. Further information and explanation of the difference in parameter values between the Performance Assessment Database and the PANEL calculations may be found in the "Analysis Package for the Salado Transport (TASK 2) of the Performance Assessment Analysis Supporting the Compliance Certification Application," SNL, 1996.

Impact/Justification:

a. The atomic weight values used by the PANEL code were extracted from the isotope names. The database values were obtained from the memo: L.C. Sanchez to M. Martell, March 28 1996. "Radionuclide Half-lives and Specific Activities Obtained From ORIGEN2 Data" WPO#37404. The percent error between the two methods was calculated by the following equation

$$\text{relative error} = [((\text{database value} - \text{PANEL value})/\text{database value}) * 100\%]$$

The % difference column for atomic weights shows that values are less than 1% for all the radionuclides, therefore, there is no impact.

b. The half-lives used by the PANEL code were from the ICRP and GE Chart of the Nuclides. The database values were obtained from the memo: L.C. Sanchez to M. Martell, March 28 1996. "Radionuclide Half-lives and Specific Activities Obtained From ORIGEN2 Data" WPO#37404. The percent difference was calculated using the above equation. The difference column for half-lives shows that except for Ra228, Pu242, and Cm243 the percent error is less than 1%. Because Ra228 is not one of the isotopes for which PANEL calculates release, its properties did not effect the CCDF. The Pu242 and Cm243 are both less than 3% error. Cm243 has a short half-life (29.1 yrs) and is a minor contributor to the total EPA units at 6.03e-2 (see WIPP PA Analysis Report for EPAUNI (Sanchez et al., (1996), WPO#39259). Pu242 has a maximum of 3 EPA units, Pu239 has a maximum of 2310 EPA units. $3/2310 = 1.29\text{E-}3$. Pu242 overall addition to the EPA units is less than 0.01% contribution for the total Plutonium EPA units. A 2.74% difference in the half-life for Pu242 would have no impact in the final results.

References:

ICRP:

Radionuclide Transformations Energy and Intensity of Emissions, 1983, Publication 38, Publisher Pergamon Press New York, NY.

GE Chart of the Nuclides:

Nuclides and Isotopes, Fourteenth Edition. General Electric Company (Nuclear Energy Operations), San Jose, CA. 1989.

Listing of Parameters Used in SWIFT II for GRASP_INVERSE which Differ from the WIPP 1996 Compliance Certification Application Parameter Database

SWIFT II parameter name	Modeling value used	Database material	Database parameter	Database value equivalent	Units	Definition from SWIFT II
GRAV	9.792	REFCON	GRAVACC	9.8067	m/s^2	Gravitational constant
CR	7.57E-10	CULEBRA	COMP_RCK	1.00E-10	Pa^-1	compressibility of pore structure
ALPHL	50	CULEBRA	DISP_L	0.00	m	Longitudinal dispersivity factor
ALPHT	2.5	CULEBRA	DISPT_L	0.00	m	Transverse dispersivity factor
BROCK	2.50E+03	CULEBRA	DNSGRAIN	2.82E+03	kg/m^3	Rock density

NOTES:

1. Further information and explanation of the parameter values may be found in the "Analysis of the Generation of Transmissivity Fields for the Culebra Dolomite," SNL, 1996.
2. SWIFT II for GRASP_INVERSE parameters and values are not stored or read from the database. The database equivalent column was used to show comparable parameters and values stored.

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