NATIONAL WASTE TERMINAL
STORAGE PROGRAM BIBLIOGRAPHY

April 30, 1977

**UNION
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OFFICE OF WASTE ISOLATION
OAK RIDGE, TENNESSEE

*prepared for the U.S. ENERGY RESEARCH AND DEVELOPMENT ADMINISTRATION
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FOREWORD

In February 1976, the Energy Research and Development Administration (ERDA) announced a greatly expanded waste management program for defense and commercial radioactive waste. In that announcement, ERDA indicated that the Oak Ridge Operations Office (ORO) of ERDA would have lead responsibility for overall coordination of the expanded commercial geologic disposal program and that an Office of Waste Isolation (OWI) would be created within Union Carbide Corporation-Nuclear Division (UCC-ND) with the responsibility for program management of that activity.

This bibliography lists many of the documents authored since 1958 by UCC-ND's technical personnel, consultants, and subcontractors as part of the geologic waste disposal programs at Oak Ridge National Laboratory and the current National Waste Terminal Storage (NWTS) Program. Future editions will contain new documents as well as other prior-year documents which, because of our schedule, we were unable to identify, locate, and include in this first edition. Longer-range plans include broadening the scope of coverage to include documents authored by other NWTS Program participants. This edition, as well as future editions, will list only those documents that have been processed through ERDA's Technical Information Center for public availability from the National Technical Information Service, Springfield, Virginia.

Full reference and citation information appears only once, with various indexes provided for the convenience of the user. Report references are arranged by issuing organization with sequencing according to document numbers; references to journal articles and conference proceedings are arranged by issue date.

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Office of Waste Isolation Reports

Formal Reports (Y/OWI-)

1. Office of Waste Isolation/Union Carbide Corporation, Nuclear Division, *National Waste Terminal Storage Program Prospective Participants Conference*, held in Oak Ridge, Tennessee, May 11, 1976, Y/OWI-4, Revised (May 21, 1976).
2. Zerby, C. D., and McClain, William C., *Waste Isolation in Geologic Formations in the USA*, Office of Waste Isolation/Union Carbide Corporation, Nuclear Division, presented at International Symposium on Management of Wastes from the LWR Fuel Cycle, July 11-16, 1976, Denver, Colorado, Y/OWI-7 (July 1976).
3. Office of Waste Isolation/Union Carbide Corporation, Nuclear Division, *National Waste Terminal Storage Program Progress Report for Period April 1, 1975, to September 30, 1976*, Y/OWI-8 (Nov. 30, 1976).

Technical Memoranda and Special Reports (Y/OWI/TM-)

4. Zerby, C. D., *The National Waste Terminal Storage Program*, Office of Waste Isolation/Union Carbide Corporation, Nuclear Division, presented at the Symposium on Waste Management, University of Arizona, Tucson, Oct. 3-6, 1976, Y/OWI/TM-1 (Oct. 5, 1976).
5. Zerby, C. D., *The National Waste Terminal Storage Program*, Office of Waste Isolation/Union Carbide Corporation, Nuclear Division, presented at Third Annual UMR-MEC Conference on Energy, University of Missouri, Rolla, Oct. 12-14, 1976, Y/OWI/TM-2 (October 1976).
6. Boch, A. L., *The National Waste Terminal Storage Program*, Office of Waste Isolation/Union Carbide Corporation, Nuclear Division, presented at Fourth National Conference on Energy and the Environment, Cincinnati, Ohio, Oct. 5-7, 1976, Y/OWI/TM-3 (October 1976).
7. Energy Research and Development Administration and Office of Waste Isolation/Union Carbide Corporation, Nuclear Division, *Answers to Questions Posed by the Michigan Governor's Nuclear Waste Disposal Task Force*, Y/OWI/TM-4, Revised (Sept. 30, 1976).
8. Office of Waste Isolation/Union Carbide Corporation, Nuclear Division, *Presentation to the Michigan Environmental Review Board*, Y/OWI/TM-5 (Aug. 9, 1976).
9. Lomenick, T. F., *Terminal Storage of Radioactive Waste in Geologic Formations*, Office of Waste Isolation/Union Carbide Corporation, Nuclear Division, presented at seminar July 5-23, 1976, Special Training Division, Oak Ridge Associated Universities, Y/OWI/TM-6 (July 1976).

10. Zerby, C. D., *The National Waste Terminal Storage Program*, Office of Waste Isolation/Union Carbide Corporation, Nuclear Division, testimony at South Dakota Interim Legislative Natural Resources Committee, Rapid City, South Dakota, Oct. 7, 1976, Y/OWI/TM-7 (Oct. 7, 1976).
11. Lomenick, T. F., *Deep Exploratory Test Holes for Waste Repository Investigations*, Office of Waste Isolation/Union Carbide Corporation, Nuclear Division, Y/OWI/TM-8 (Sept. 14, 1976).
12. Lomenick, T. F., *Radioactive Waste Isolation: A National Problem*, Office of Waste Isolation/Union Carbide Corporation, Nuclear Division, presented at Symposium on Salt Dome Utilization and Environmental Considerations, Louisiana State University, Nov. 22-24, 1976, Y/OWI/TM-10 (Feb. 22, 1977).
13. Office of Waste Isolation/Union Carbide Corporation, Nuclear Division, *National Waste Terminal Storage Program Information Meeting*, vol. I, Y/OWI/TM-11/1 (Dec. 6, 1976).
14. Office of Waste Isolation/Union Carbide Corporation, Nuclear Division, *National Waste Terminal Storage Program Information Meeting*, vol. II, Y/OWI/TM-11/2 (Dec. 6, 1976).
15. Zerby, C. D.; Lomenick, T. F.; and Lowrie, R. S.; *National Waste Terminal Storage Program*, Office of Waste Isolation/Union Carbide Corporation, Nuclear Division, presented to American Association of State Geologists, Albuquerque, New Mexico, Dec. 14-15, 1976, Y/OWI/TM-12 (Dec. 13, 1976).
16. Boch, A. L., *The National Waste Terminal Storage Program*, Office of Waste Isolation/Union Carbide Corporation, Nuclear Division, testimony at Oregon Energy Facility Siting Council, Rule-Making Hearing, Portland, Oregon, Jan. 10, 1977, Y/OWI/TM-13 (Jan. 10, 1977).
17. Lomenick, T. F., *Geologic and Hydrologic Factors for Locating Repositories for Radioactive Wastes*, Office of Waste Isolation/Union Carbide Corporation, Nuclear Division, Y/OWI/TM-14 (Feb. 1, 1977).
18. Zerby, C. D., *Selected Charts: National Waste Terminal Storage Program*, Office of Waste Isolation/Union Carbide Corporation, Nuclear Division, presented to Charles C. Finch, Governor of Mississippi, Jackson, Mississippi, Y/OWI/TM-15 (Feb. 16, 1977).
19. Zerby, C. D., *Selected Charts: National Waste Terminal Storage Program*, Office of Waste Isolation/Union Carbide Corporation, Nuclear Division, presented to the State of Louisiana, Webster and Bienville Parishes, Y/OWI/TM-17 (March 1977).
20. Frye, John C.; Crawford, James H.; Davis, Stanley N.; Donath, Fred A.; Gloyne, Earnest F.; and Krauskopf, Konrad B.; *Summary of Geologic Review Group Meeting January 20-21, 1977*, Office of Waste Isolation/Union Carbide Corporation, Nuclear Division, Y/OWI/TM-18/1 (Mar. 7, 1977).
21. Carter, N. L.; Goodman, R. E.; and Merrill, R. H.; *Summary Review of Rock Mechanics Workshop on Radioactive Waste Disposal*, Office of Waste Isolation/Union Carbide Corporation, Nuclear Division, Y/OWI/TM-20 (Feb. 7, 1977).
22. McClain, W. C., *Abstract: Radioactive Waste*, Office of Waste Isolation/Union Carbide Corporation, Nuclear Division, abstract of paper presented at Environmental and Water Resources Engineering Seminar, Vanderbilt University, Apr. 5, 1977, Y/OWI/TM-21 (Mar. 10, 1977).

Subcontractor Reports (Y/OWI/SUB-)

23. Science Applications, Inc., *The Selection and Evaluation of Thermal Criteria for a Geologic Waste Isolation Facility in Salt*, prepared for Union Carbide Corporation, Nuclear Division, Office of Waste Isolation, Y/OWI/SUB-76/07220 (September 1976).
24. Walsh, Edward L., and Bathke, Edwin A., *Thermal Calculations in Shale*, prepared by Kaman Sciences Corporation for Union Carbide Corporation, Nuclear Division, Office of Waste Isolation, Y/OWI/SUB-76/16502 (Sept. 28, 1976).
25. Science Applications, Inc., *Storage Fee Analysis for a Nuclear Waste Terminal Storage Facility. Final Report*, prepared for Union Carbide Corporation, Nuclear Division, Office of Waste Isolation, Y/OWI/SUB-76/16503 (September 1976).
26. Parsons, Brinckerhoff, Quade, and Douglas, Inc., *Thermal Guidelines for a Repository in Bedrock*, prepared for Union Carbide Corporation, Nuclear Division, Office of Waste Isolation, Y/OWI/SUB-76/16504 (September 1976).
27. Parsons, Brinckerhoff, Quade, and Douglas, Inc., *Update of 1972 Status Report on Deep Shaft Studies*, prepared for Union Carbide Corporation, Nuclear Division, Office of Waste Isolation, Y/OWI/SUB-76/16505 (September 1976).
28. Parsons, Brinckerhoff, Quade, and Douglas, Inc., *Waste Isolation Facility Description. Bedded Salt*, prepared for Union Carbide Corporation, Nuclear Division, Office of Waste Isolation, Y/OWI/SUB-76/16506 (September 1976).
29. D'Appolonia Consulting Engineers, Inc., *Evaluation of Salt and Mine Rock Disposal*, prepared for Union Carbide Corporation, Nuclear Division, Office of Waste Isolation, Y/OWI/SUB-76/16507 (November 1976).
30. Boeing Engineering and Construction, *High-Level Waste Canister Emplacement and Retrieval Concepts Study*, prepared for Union Carbide Corporation, Nuclear Division, Office of Waste Isolation, Y/OWI/SUB-76/16509 (September 1976).
31. D'Appolonia Consulting Engineers, Inc., *Preliminary State-of-the-Art Survey: Mining Techniques for Salt and Other Rock Types*, prepared for Union Carbide Corporation, Nuclear Division, Office of Waste Isolation, Y/OWI/SUB-76/16515 (December 1976).
32. Science Applications, Inc., *Thermal Operating Conditions in a National Waste Terminal Storage Facility*, prepared for Union Carbide Corporation, Nuclear Division, Office of Waste Isolation, Y/OWI/SUB-76/47950 (September 1976).
33. Mellen, Frederic F., Geological Associates, *Basal Ottawa Limestone, Chattanooga Shale, Floyd Shale, Porters Creek Clay, and Yazoo Clay in Parts of Alabama, Mississippi, and Tennessee as Potential Host Rocks for Underground Emplacement of Waste*, prepared for Union Carbide Corporation, Nuclear Division, Oak Ridge National Laboratory, Y/OWI/SUB-76/87950 (Feb. 28, 1976).
34. Fenix and Scisson, Inc., *Review of Applicable Technology: Solution Mining of Caverns in Salt Domes to Serve as Repositories for Radioactive Wastes*, prepared for Union Carbide Corporation, Nuclear Division, Office of Waste Isolation, Y/OWI/SUB-76/92880 (June 15, 1976).
35. Herndon, Joe, and Smith, Dwight K., *Plugging Wells for Abandonment. A State-of-the-Art Study and Recommended Procedures*, prepared by Halliburton Services for Union Carbide Corporation, Nuclear Division, Office of Waste Isolation, Y/OWI/SUB-76/99068 (September 1976).

36. Netherland, Sewell, and Associates, Inc., *Geologic Study of the Interior Salt Domes of Northeast Texas Salt-Dome Basin to Investigate Their Suitability for Possible Storage of Radioactive Waste Material*, prepared for Union Carbide Corporation, Nuclear Division, Office of Waste Isolation, Y/OWI/SUB-76/99939 (May 1976).
37. Piper, Arthur M., *Regional Ground-Water Hydrology of the Southern Peninsula of Michigan and of Certain Districts in New York and Ohio*, prepared for Union Carbide Corporation, Nuclear Division, Oak Ridge National Laboratory, Y/OWI/SUB-3745/1 (June 1972).
38. Piper, Arthur M., *Subrosion in and about the Four-Township Study Area near Carlsbad, New Mexico*, prepared for Union Carbide Corporation, Nuclear Division, Oak Ridge National Laboratory, Y/OWI/SUB-3745/2 (May 1973).
39. Piper, Arthur M., *The Four-Township Study Area near Carlsbad, New Mexico: Vulnerability to Future Subrosion*, prepared for Union Carbide Corporation, Nuclear Division, Oak Ridge National Laboratory, Y/OWI/SUB-3745/3 (March 1974).
40. Piper, Arthur M., *Rock Types, Also Geologic and Hydrologic Settings, Favorable to Deep Placement of High-Level Radioactive Wastes*, prepared for Union Carbide Corporation, Nuclear Division, Oak Ridge National Laboratory, Y/OWI/SUB 3745/4 (October 1974).
41. Piper, Arthur M., *Hypothetical Prototype Sites of Repositories for Radioactive Wastes: Certain Metamorphic Rocks and Mudstone*, prepared for Union Carbide Corporation, Nuclear Division, Oak Ridge National Laboratory, Y/OWI/SUB-3745/5 (March 1975).
42. Piper, Arthur M., *Hypothetical Prototype Sites of Repositories for Radioactive Wastes: Flood Basalt*, prepared for Union Carbide Corporation, Nuclear Division, Oak Ridge National Laboratory, Y/OWI/SUB-3745/6 (April 1975).
43. Knapp, R. M., and Podio, A. L., *Investigation of Salt Transport in Vertical Boreholes and Brine Invasion into Freshwater Aquifers. Interim Report for the Period July 1, 1974-June 30, 1975*, prepared by University of Texas at Austin for Union Carbide Corporation, Nuclear Division, Oak Ridge National Laboratory, Y/OWI/SUB-4082/1 (July 21, 1975).
44. Knapp, R. M., and Podio, A. L., *Investigation of Salt Transport in Vertical Boreholes and Brine Invasion into Freshwater Aquifers. Progress Report for the Period July 1, 1975-June 30, 1976*, prepared by University of Texas at Austin for Union Carbide Corporation, Nuclear Division, Office of Waste Isolation, Y/OWI/SUB-4082/2 (July 15, 1976).
45. Byerly, Don W., *The Stability and Tightness of the Columbus Limestone and Surrounding Rocks in the Vicinity of Barberton, Ohio*, prepared for Union Carbide Corporation, Nuclear Division, Oak Ridge National Laboratory, Y/OWI/SUB-4251/1 (May 1975).
46. Byerly, Don W., *Report of Investigation. Underground Limestone Mines in the Ohio Region*, prepared for Union Carbide Corporation, Nuclear Division, Office of Waste Isolation, Y/OWI/SUB-4251/2 (June 1976).
47. Gonzales, Serge, *Geohydrologic-Engineering Geology Evaluation of the Selma Group in Western Alabama and Northeast Mississippi for Possible Radioactive Waste Disposal*, prepared for Union Carbide Corporation, Nuclear Division, Oak Ridge National Laboratory, Y/OWI/SUB-4310/1 (June 1975).
48. Gonzales, Serge, *Geologic Feasibility of Selected Chalk-Bearing Sequences within the Conterminous United States with Regard to Siting of Radioactive-Waste Repositories*, prepared for Union Carbide Corporation, Nuclear Division, Oak Ridge National Laboratory, Y/OWI/SUB-4310/2 (November 1975).
49. Yardley, D. H., *Hydrology of Some Deep Mines in Precambrian Rocks*, prepared for Union Carbide Corporation, Nuclear Division, Office of Waste Isolation, Y/OWI/SUB-4367/1 (October 1975).

50. Yardley, D. H., and Goldich, S. S., *Preliminary Review of Precambrian Shield Rocks for Potential Waste Repository*, prepared for Union Carbide Corporation, Nuclear Division, Office of Waste Isolation, Y/OWI/SUB-4367/2 (November 1975).
51. Johnson, Kenneth S., *Evaluation of Permian Salt Deposits in the Texas Panhandle and Western Oklahoma for Underground Storage of Radioactive Wastes. Final Report*, prepared for Union Carbide Corporation, Nuclear Division, Oak Ridge National Laboratory, Y/OWI/SUB-4494/1 (April 1976).
52. Johnson, Kenneth S., and Gonzales, Serge, *Geology and Salt Deposits of the Michigan Basin*, prepared for Union Carbide Corporation, Nuclear Division, Office of Waste Isolation, Y/OWI/SUB-4494/2 (July 1976).
53. Smith, James W., *The Permian Basin as a Radioactive Waste Repository*, prepared for Union Carbide Corporation, Nuclear Division, Oak Ridge National Laboratory, Y/OWI/SUB-4495/1 (Nov. 2, 1975).
54. Wenner, David B., *Geologic Feasibility of Talc and Serpentine Bodies from the Appalachian Mountain Region of Eastern United States with Regard to Siting of Radioactive-Waste Repositories. Supplementary Report*, prepared for Union Carbide Corporation, Nuclear Division, Oak Ridge National Laboratory, Y/OWI/SUB-4496/2 (January 1976).
55. Weaver, Charles E., *Thermal Properties of Clays and Shales*, prepared for Union Carbide Corporation, Nuclear Division, Office of Waste Isolation, Y/OWI/SUB-7009/1 (July 1976).
56. Weaver, Charles E., *Waste Storage Potential of Triassic Basins in Southeast United States*, prepared for Union Carbide Corporation, Nuclear Division, Office of Waste Isolation, Y/OWI/SUB-7009/2 (July 1976).
57. Weaver, Charles E., *General Geology of Western New York State and Detailed Geology of West Valley Area*, prepared for Union Carbide Corporation, Nuclear Division, Office of Waste Isolation, Y/OWI/SUB-7009/3 (October 1976).
58. Droste, John B., and Vitaliano, Charles J., *Geologic Report of the Maquoketa Shale, New Albany Shale, and Borden Group Rocks in the Illinois Basin as Potential Solid Waste Repository Sites*, prepared for Union Carbide Corporation, Nuclear Division, Office of Waste Isolation, Y/OWI/SUB-7062/1 (June 1976).
59. Droste, J. B., *Paleozoic Stratigraphy of Two Areas in Southwestern Indiana*, prepared for Union Carbide Corporation, Nuclear Division, Office of Waste Isolation, Y/OWI/SUB-7062/2 (September 1976).
60. McGowan, C.; Nolan, E.; Morey, R.; and Palty, A.; *Borehole Plugging by Compaction Process. Final Report*, prepared by Charles Stark Draper Laboratory, Inc., for Union Carbide Corporation, Nuclear Division, Office of Waste Isolation, Y/OWI/SUB-7087/1 (August 1976).

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Oak Ridge National Laboratory Reports

Topical and Progress Reports (ORNL-)

61. Parker, F. L.; Hemphill, L.; and Crowell, J.; *Status Report on Waste Disposal in Natural Salt Formations*, Oak Ridge National Laboratory, ORNL-2560 (Aug. 14, 1958).
62. Parker, F. L. (Ed.), *Status Report on Waste Disposal in Natural Salt Formations: II*, Oak Ridge National Laboratory, ORNL-2700 (Apr. 9, 1959).
63. Kubota, Hisashi, and Tamura, Tsuneo, *Waste Disposal in Salt: I. The HNO_3 -NaCl Reaction*, Oak Ridge National Laboratory, ORNL-2984 (Sept. 15, 1960).
64. Gunter, B. D., and Parker, F. L., *The Physical Properties of Rock Salt as Influenced by Gamma Rays*, Oak Ridge National Laboratory, ORNL-3027 (Mar. 6, 1961).
65. Empson, F. M. (Ed.), *Status Report on Waste Disposal in Natural Salt Formations: III*, Oak Ridge National Laboratory, ORNL-3053 (July 11, 1961).
66. Bradshaw, R. L.; Perona, J. J.; Blomeke, J. O.; and Boegly, W. J., Jr.; *Evaluation of Ultimate Disposal Methods for Liquid and Solid Radioactive Wastes. VI. Disposal of Solid Wastes in Salt Formations*, Oak Ridge National Laboratory, ORNL-3358 (May 1968).
67. Bradshaw, R. L.; Perona, J. J.; Blomeke, J. O.; and Boegly, W. J., Jr.; *Evaluation of Ultimate Disposal Methods for Liquid and Solid Radioactive Wastes: VI. Disposal of Solid Wastes in Salt Formations*, Oak Ridge National Laboratory, ORNL-3358, Revised (March 1969).
68. Parker, F. L., "Part I. Radioactive Waste Disposal," pp. 1-61 in *Health Physics Division Annual Progress Report for Period Ending July 31, 1964*, Oak Ridge National Laboratory, ORNL-3697 (October 1964).
69. Parker, F. L., "Part I. Radioactive Waste Disposal," pp. 1-42 in *Health Physics Division Annual Progress Report for Period Ending July 31, 1965*, Oak Ridge National Laboratory, ORNL-3849 (October 1965).
70. Parker, F. L., "Part I. Radioactive Waste Disposal," pp. 1-41 in *Health Physics Division Annual Progress Report for Period Ending July 31, 1966*, Oak Ridge National Laboratory, ORNL-4007 (October 1966).
71. Parker, F. L., "Part I. Radioactive Waste Disposal," pp. 1-60 in *Health Physics Division Annual Progress Report for Period Ending July 31, 1967*, Oak Ridge National Laboratory, ORNL-4168 (October 1967).
72. Cowser, K. E., "Part I. Radioactive Waste Disposal," pp. 1-69 in *Health Physics Division Annual Progress Report for Period Ending July 31, 1968*, Oak Ridge National Laboratory, ORNL-4316 (October 1968).
73. Chemical Technology Division, Oak Ridge National Laboratory, "Chap. 4. Waste Treatment and Disposal," pp. 120-53 in *Chemical Technology Division Annual Progress Report for Period Ending May 31, 1969*, ORNL-4422 (October 1969).

74. Cowser, K. E., "Part I. Radioactive Waste Disposal," pp. 1-40 in *Health Physics Division Annual Progress Report for Period Ending July 31, 1969*, Oak Ridge National Laboratory, ORNL-4446 (October 1969).
75. Oak Ridge National Laboratory Staff, *Siting of Fuel Reprocessing Plants and Waste Management Facilities*, Oak Ridge National Laboratory, ORNL-4451 (July 1970).
76. Bradshaw, R. L., and McClain, W. C. (Eds.), *Project Salt Vault: A Demonstration of the Disposal of High-Activity Solidified Wastes in Underground Salt Mines*, Oak Ridge National Laboratory, ORNL-4555 (April 1971).
77. Chemical Technology Division, Oak Ridge National Laboratory, "Chap. 4. Waste Treatment and Disposal," pp. 98-108 in *Chemical Technology Division Annual Progress Report for Period Ending May 31, 1970*, ORNL-4572 (October 1970).
78. McClain, W. C., and Myers, O. H., *Seismic History and Seismicity of the Southeastern Region of the United States*, Oak Ridge National Laboratory, ORNL-4582 (June 1970).
79. Cowser, K. E., "Part I. Radioactive Waste Disposal," pp. 1-57 in *Health Physics Division Annual Progress Report for Period Ending July 31, 1970*, Oak Ridge National Laboratory, ORNL-4584 (October 1970).
80. Dillon, R. S.; Perona, J. J.; and Blomeke, J. O.; *Model for the Economic Analysis of High-Level Radioactive Waste Management*, Oak Ridge National Laboratory, ORNL-4633 (November 1971).
81. Culler, F. L., *Technical Status of the Radioactive Waste Repository: A Demonstration Project for Solid Radioactive Waste Disposal*, Oak Ridge National Laboratory, ORNL-4680 (April 1971).
82. Chemical Technology Division, Oak Ridge National Laboratory, "Chap. 4. Waste Treatment and Disposal," pp. 95-113 in *Chemical Technology Division Annual Progress Report for Period Ending March 31, 1971*, ORNL-4682 (July 1971).
83. Evans, R. B., III; Rutherford, J. L.; Malinauskas, A. P.; Annis, B. K.; Watson, G. M.; and Jenks, G. H.; "Part VII. Salt Mine Repository," pp. 109-15 in *Reactor Chemistry Division Annual Progress Report for Period Ending May 31, 1971*, Oak Ridge National Laboratory, ORNL-4717 (August 1971).
84. Cowser, K. E., "Part I. Radioactive Waste Disposal," pp. 1-29 in *Health Physics Division Annual Progress Report for Period Ending July 31, 1971*, Oak Ridge National Laboratory, ORNL-4720 (October 1971).
85. Cheverton, R. D., and Turner, W. D., *Thermal Analysis of the National Radioactive Waste Repository: Progress through June 1971*, Oak Ridge National Laboratory, ORNL-4726 (December 1971).
86. Radioactive Waste Repository Project Staff, *Radioactive Waste Repository Project: Technical Status Report for Period Ending September 30, 1971*, Oak Ridge National Laboratory, ORNL-4751 (December 1971).
87. Gera, Ferruccio, and Jacobs, D. G., *Considerations in the Long-Term Management of High-Level Radioactive Wastes*, Oak Ridge National Laboratory, ORNL-4762 (February 1972).
88. Godbee, H. W., *Spontaneous Combustion, Oxidation, and Pyrolysis of Combustible Solid Wastes Containing Transuranium Elements in Combustible and Noncombustible Containers*, Oak Ridge National Laboratory, ORNL-4768 (May 1972).
89. Cheverton, R. D., and Turner, W. D., *Thermal Analysis of the National Radioactive Waste Repository: Progress through March 1972*, Oak Ridge National Laboratory, ORNL-4789 (September 1972).

90. Chemical Technology Division, Oak Ridge National Laboratory, "Chap. 4. Waste Treatment and Disposal," pp. 33-35 in *Chemical Technology Division Annual Progress Report for Period Ending March 31, 1972*, ORNL-4794 (August 1972).
91. Radioactive Waste Repository Project Staff, *Radioactive Waste Repository Project Annual Progress Report for Period Ending September 30, 1972*, Oak Ridge National Laboratory, ORNL-4824 (December 1972).
92. De Laguna, Wallace, *Hydraulic Fracturing Test at West Valley, New York*, Oak Ridge National Laboratory, ORNL-4827 (October 1972).
93. Annis, B. K., *Surface Migration of Oxides on Sodium Chloride Substrates*, Oak Ridge National Laboratory, ORNL-4854 (June 1973).
94. Chemical Technology Division, Oak Ridge National Laboratory, "Chap. 4. Waste Treatment and Disposal," pp. 32-37 in *Chemical Technology Division Annual Progress Report for Period Ending March 31, 1973*, ORNL-4883 (August 1973).
95. Moore, J. G.; Godbee, H. W.; Kibbey, A. H.; and Joy, D. S.; *Development of Cementitious Grouts for the Incorporation of Radioactive Wastes. Part I: Leach Studies*, Oak Ridge National Laboratory, ORNL-4962 (April 1975).
96. Chemical Technology Division, Oak Ridge National Laboratory, "Chap. 4. Waste Management," pp. 5-13 in *Chemical Technology Division Annual Progress Report for Period Ending March 31, 1974*, ORNL-4966 (August 1974).
97. Chemical Technology Division, Oak Ridge National Laboratory, "Chap. 4. Waste Management," pp. 4-19 in *Chemical Technology Division Annual Progress Report for Period Ending March 31, 1975*, ORNL-5050 (October 1975).
98. Geologic Disposal Evaluation Program Staff, *Geologic Disposal Evaluation Program Semi-annual Report for Period Ending March 31, 1975*, Oak Ridge National Laboratory, ORNL-5052 (July 1975).
99. Jenks, G. H., and Bopp, C. D., *Storage and Release of Radiation Energy in Salt in Radioactive Waste Repositories*, Oak Ridge National Laboratory, ORNL-5058, in preparation.

Technical Memoranda (ORNL/TM-)

100. Lomenick, T. F., *The Geology of a Portion of the Hutchinson Salt Member of the Wellington Formation in the Mine of the Carey Salt Company, Lyons, Kansas*, Oak Ridge National Laboratory, ORNL/TM-597 (Sept. 3, 1963).
101. Perona, J. J.; Bradshaw, R. L.; and Blomeke, J. O.; *Comparative Costs for Final Disposal of Radioactive Solids in Concrete Vaults, Granite, and Salt Formations*, Oak Ridge National Laboratory, ORNL/TM-664 (Oct. 23, 1963).
102. Bradshaw, R. L.; Perona, J. J.; and Blomeke, J. O.; *Demonstration Disposal of High-Level Radioactive Solids in Lyons, Kansas, Salt Mine: Background and Preliminary Design of Experimental Aspects*, Oak Ridge National Laboratory, ORNL/TM-734 (Jan. 10, 1964).
103. Lomenick, T. F., *Accelerated Deformation of Rock Salt at Elevated Temperature and Pressure and Its Implications for High-Level Radioactive Waste Disposal*, Oak Ridge National Laboratory, ORNL/TM-2102 (March 1968).
104. Blanco, R. E., and Cowser, K. E., *Waste Treatment and Disposal Semiannual Progress Report, July-December 1967*, Oak Ridge National Laboratory, ORNL/TM-2294 (January 1969).

105. Kegley, T. M., Jr., and Empson, F. M., *Examination of Modified Pillar and Simulated Waste Container Test Heaters*, Oak Ridge National Laboratory, ORNL/TM-2422 (January 1969).
106. Blomeke, J. O., and Perona, J. J., *Management of Noble-Gas Fission-Product Wastes from Reprocessing Spent Fuels*, Oak Ridge National Laboratory, ORNL/TM-2677 (Nov. 21, 1969).
107. Godbee, H. W., and Nichols, J. P., *Sources of Transuranium Solid Waste and Their Influence on the Proposed National Radioactive Waste Repository*, Oak Ridge National Laboratory, ORNL/TM-3277 (January 1971).
108. Blomeke, J. O.; Sonder, E.; Nichols, J. P.; Lindenbaum, S.; Dillon, R. S.; Arnold, E. D.; and Soard, H. F.; *An Analysis of Energy Storage and Its Effects in the Proposed National Radioactive Waste Repository*, Oak Ridge National Laboratory, ORNL/TM-3403 (June 1971).
109. Cheverton, R. D., and Turner, W. D., *Thermal Analysis of National Radioactive Waste Repository: Brief Summary of Results Obtained through April 1971*, Oak Ridge National Laboratory, ORNL/TM-3426 (June 1971).
110. McClain, W. C., *Seismic Mapping of Hydraulic Fractures*, Oak Ridge National Laboratory, ORNL/TM-3502 (August 1971).
111. Holmes, J. M., *Cask and Waste Container Cooling Studies*, Oak Ridge National Laboratory, ORNL/TM-3545 (September 1971).
112. Dahlman, Roger C., and Tanaka, Yasuomi, *Ecological-Environmental Assessments Related to the Federal Repository*, Oak Ridge National Laboratory, ORNL/TM-3619 (July 1973).
113. Blomeke, J. O., and Perona, J. J., *Storage, Shipment, and Disposal of Spent Fuel Cladding*, Oak Ridge National Laboratory, ORNL/TM-3650 (January 1972).
114. Perona, J. J., and Blomeke, J. O., *A Parametric Study of Shipping Casks for Solid Radioactive Wastes*, Oak Ridge National Laboratory, ORNL/TM-3651 (February 1972).
115. Jenks, G. H., *Radiolysis and Hydrolysis in Salt-Mine Brines*, Oak Ridge National Laboratory, ORNL/TM-3717 (March 1972).
116. Jenks, G. H., and Bopp, C. D., *Energy Storage in High-Level Radioactive Waste and Simulation and Measurement of Stored Energy with Synthetic Wastes*, Oak Ridge National Laboratory, ORNL/TM-3781 (January 1973).
117. Evans, R. B., III; Rutherford, J. L.; and Truitt, J.; *Properties of Dry Crushed Salt and Related Consolidated Media with Emphasis on Their Gas Transport Characteristics*, Oak Ridge National Laboratory, ORNL/TM-3815 (September 1972).
118. Perona, J. J., and Blomeke, J. O., *A Preliminary Study of the Storage of Solidified High-Level Radioactive Wastes in Concrete Vaults*, Oak Ridge National Laboratory, ORNL/TM-3878 (August 1972).
119. Lomcnick, T. F., *Implications of the American Salt Corporation's Underground Workings on the Proposed Federal Waste Repository at Lyons, Kansas*, Oak Ridge National Laboratory, ORNL/TM-3903 (August 1972).
120. Preston, M. K., *Development and Testing of a Connector for Remote Handling of High-Level Waste Containers*, Oak Ridge National Laboratory, ORNL/TM-3934 (September 1972).
121. Claiborne, H. C., *Neutron-Induced Transmutation of High-Level Radioactive Waste*, Oak Ridge National Laboratory, ORNL/TM-3964 (December 1972).
122. Blomeke, J. O.; Kee, C. W.; and Nichols, J. P.; *Projections of Radioactive Wastes to Be Generated by the U.S. Nuclear Power Industry*, Oak Ridge National Laboratory, ORNL/TM-3965 (February 1974).

123. Salt Mine Repository Project Staff, *Site Selection Factors for the Bedded Salt Pilot Plant*, Oak Ridge National Laboratory, ORNL/TM-4219 (May 1973).
124. Blomeke, J. O., and Nichols, J. P., *Commercial High-Level Waste Projections*, Oak Ridge National Laboratory, ORNL/TM-4224 (May 1973).
125. Salt Mine Repository Project Staff, *Program Plan for the Development of the Bedded Salt Pilot Plant*, Oak Ridge National Laboratory, ORNL/TM-4233 (October 1973).
126. McClain, W. C., *Rock Deformations Resulting from Project Salt Vault*, Oak Ridge National Laboratory, ORNL/TM-4381 (November 1973).
127. Jenks, G. H., and Bopp, C. D., *Storage and Release of Radiation Energy in Salt in Radioactive-Waste Repositories*, Oak Ridge National Laboratory, ORNL/TM-4449 (January 1974).
128. Weeren, H. O., *Shale Fracturing Injections at Oak Ridge National Laboratory: 1972 Series*, Oak Ridge National Laboratory, ORNL/TM-4467 (June 1974).
129. Gera, Ferruccio, *Geochemical Behavior of Long-Lived Radioactive Wastes*, Oak Ridge National Laboratory, ORNL/TM-4481 (July 1975).
130. Cheverton, R. D.; Claiborne, H. C.; and Evans, R. B., III; *In Situ Gas Diffusion Experiments Associated with a Radioactive Waste Repository in Bedded Salt*, Oak Ridge National Laboratory, ORNL/TM-4569 (January 1975).
131. Blomeke, J. O.; Kee, C. W.; and Salmon, R.; *Projected Shipments of Special Nuclear Material and Wastes by the Nuclear Power Industry*, Oak Ridge National Laboratory, ORNL/TM-4631 (August 1974).
132. Claiborne, H. C., and Gera, Ferruccio, *Potential Containment Failure Mechanisms and Their Consequences at a Radioactive Waste Repository in Bedded Salt in New Mexico*, Oak Ridge National Laboratory, ORNL/TM-4639 (October 1974).
133. Weeren, H. O.; Brunton, G. D.; de Laguna, W.; and Moore, J. G.; *Hydrofracture Site Proof Study at Oak Ridge National Laboratory*, Oak Ridge National Laboratory, ORNL/TM-4713 (November 1974).
134. Claiborne, H. C., *Effect of Actinide Removal on the Long-Term Hazard of High-Level Waste*, Oak Ridge National Laboratory, ORNL/TM-4724 (January 1975).
135. Jenks, G. H., *Gamma-Radiation Effects in Geologic Formations of Interest in Waste Disposal: A Review and Analysis of Available Information and Suggestions for Additional Experimentation*, Oak Ridge National Laboratory, ORNL/TM-4827 (September 1975).
136. Jury, S. H., and Godfrey, T. G., *A Transient Method for Rapidly Measuring Thermal Conductivity and Diffusivity of Salt Mine Core Samples (The Plane Probe)*, Oak Ridge National Laboratory, ORNL/TM-4956 (November 1976).
137. Weeren, H. O., *An Evaluation of Waste Disposal by Shale Fracturing*, Oak Ridge National Laboratory, ORNL/TM-5209 (February 1976).
138. Claiborne, H. C., *Thermal Analysis of a Fuel Cladding Repository Pilot Plant in Salt*, Oak Ridge National Laboratory, ORNL/TM-5221 (April 1976).
139. Kee, C. W.; Croff, A. G.; and Blomeke, J. O.; *Updated Projections of Radioactive Wastes to Be Generated by the U.S. Nuclear Power Industry*, Oak Ridge National Laboratory, ORNL/TM-5427 (December 1976).
140. Weeren, H. O., *Shale Fracturing Injections at Oak Ridge National Laboratory: 1975 Series*, Oak Ridge National Laboratory, ORNL/TM-5545 (August 1976).

Subcontractor Reports (ORNL/SUB-)

141. Dowell, Division of the Dow Chemical Company, *Borehole Sealing. Final Report, March 1, 1973–October 31, 1973*, prepared for Union Carbide Corporation, Nuclear Division, Oak Ridge National Laboratory, ORNL/SUB-73/15966 (1973).
142. Dowell, Division of the Dow Chemical Company, *Sealing AEC No. 1 Well, Lyons, Kansas. Final Report, October 1, 1973–January 30, 1974*, prepared for Union Carbide Corporation, Nuclear Division, Oak Ridge National Laboratory, ORNL/SUB-74/33542 (Feb. 11, 1974).
143. Netherland, Sewell, and Associates, Inc., *Evaluation of Hydrocarbon Potential, AEC Study Area, Southeast New Mexico. Based on Geological and Engineering Studies as of May 1974*, prepared for Union Carbide Corporation, Nuclear Division, Oak Ridge National Laboratory, ORNL/SUB-74/38284 (June 11, 1974).
144. Walters, Robert F., *Salt Dissolution in Oil and Gas Test Holes in Central Kansas. Part I: Salt Beds in the Subsurface in Russell, Lincoln, Ellsworth, Barton, and Rice Counties, Central Kansas*, prepared for Union Carbide Corporation, Nuclear Division, Oak Ridge National Laboratory, ORNL/SUB-75/38283/1 (June 1975).
145. Walters, Robert F., *Salt Dissolution in Oil and Gas Test Holes in Central Kansas. Part II: Salt Dissolution in Oil and Gas Test Holes in the Gorham Oilfield, Russell County, Central Kansas*, prepared for Union Carbide Corporation, Nuclear Division, Oak Ridge National Laboratory, ORNL/SUB-75/38283/2 (June 1975).
146. Walters, Robert F., *Salt Dissolution in Oil and Gas Test Holes in Central Kansas. Part III: Salt Dissolution in Oil and Gas Test Holes in the Chase-Silica Oilfield, Barton and Rice Counties, Central Kansas*, prepared for Union Carbide Corporation, Nuclear Division, Oak Ridge National Laboratory, ORNL/SUB-75/38283/3 (June 1975).
147. James H. Cobbs Engineering, *Study of Mined Storage Caverns*, prepared for Union Carbide Corporation, Nuclear Division, Oak Ridge National Laboratory, ORNL/SUB-75/64509 (June 1975).
148. Netherland, Sewell, and Associates, Inc., *Updated Evaluation of Hydrocarbon Potential, ORNL Study Area, Southeast New Mexico. Based on Geological and Engineering Studies as of May 1975*, prepared for Union Carbide Corporation, Nuclear Division, Oak Ridge National Laboratory, ORNL/SUB-75/70344 (June 6, 1975).
149. Netherland, Sewell, and Associates, Inc., *Preliminary Study of the Oil Shales of the Green River Formation in the Tri-State Area of Colorado, Utah, and Wyoming to Investigate Their Utility for Disposal of Radioactive Waste as of May 1975*, prepared for Union Carbide Corporation, Nuclear Division, Oak Ridge National Laboratory, ORNL/SUB-75/70345 (June 6, 1975).
150. Abel, John F., Jr., and Gentry, Donald W., *Evaluation of Excavation Experience: Pierre Shale*, prepared for Union Carbide Corporation, Nuclear Division, Oak Ridge National Laboratory, ORNL/SUB-75/70347 (June 27, 1975).
151. Black, D. L., *A Study of Borehole Plugging in Bedded Salt Domes by Earth Melting Technology. Final Report*, prepared by Westinghouse Electric Corporation Astronuclear Laboratory for Union Carbide Corporation, Nuclear Division, Oak Ridge National Laboratory, ORNL/SUB-75/76230 (June 1975).
152. Netherland, Sewell, and Associates, Inc., *Preliminary Study of the Present and Possible Future Oil and Gas Development of Areas Immediately Surrounding the Interior Salt Domes, Upper Gulf Coast Salt Dome Basins of East Texas, North Louisiana, and Mississippi as of December 1975*, prepared for Union Carbide Corporation, Nuclear Division, Oak Ridge National Laboratory, ORNL/SUB-75/87988 (Dec. 17, 1975).

153. Netherland, Sewell, and Associates, Inc., *Preliminary Regional Study of the Present and Possible Future Oil and Gas Development in the Areas of Thick Rock Salt and Shale Deposits of Michigan, Ohio, Pennsylvania, and Western New York*, prepared for Union Carbide Corporation, Nuclear Division, Oak Ridge National Laboratory, ORNL/SUB-75/87989 (December 1975).
154. Stewart, Gary F., *A Basis for Prediction of Denudation and Erosion in Central Kansas*, prepared by State Geological Survey of Kansas and University of Kansas Center for Research, Inc., for Union Carbide Corporation, Nuclear Division, Oak Ridge National Laboratory, ORNL/SUB-3454 (1973).
155. Angino, Ernest E., and Hambleton, William W. (Eds.), *Geology and Hydrology of the Proposed Lyons, Kansas, Radioactive Waste Repository Site. Final Report*, prepared by State Geological Survey of Kansas and University of Kansas Center for Research, Inc., for Union Carbide Corporation, Nuclear Division, Oak Ridge National Laboratory, ORNL/SUB-3484/1 (March 1971).
156. Bayne, Charles K., and Brinkley, Dwight (Eds.), *Geology, Hydrology, Thickness, and Quality of Salt at Three Alternate Sites for Disposal of Radioactive Waste in Kansas*, prepared by University of Kansas Center for Research, Inc., for Union Carbide Corporation, Nuclear Division, Oak Ridge National Laboratory, ORNL/SUB-3484/2 (September 1972).
157. Angino, Ernest E.; Bayne, Charles K.; and Halepaska, John (Eds.); *Preliminary Geological Investigations of Supplemental Radioactive Waste Repository Areas in the State of Kansas*, prepared by University of Kansas Center for Research, Inc., for Union Carbide Corporation, Nuclear Division, Oak Ridge National Laboratory, ORNL/SUB-3484/3 (January 1972).
158. Holdoway, Katrine A., *Petrofabric Changes in Heated and Irradiated Salt from Project Salt Vault, Lyons, Kansas*, prepared by University of Kansas Center for Research, Inc., for Union Carbide Corporation, Nuclear Division, Oak Ridge National Laboratory, ORNL/SUB-3484/4 (June 30, 1972).
159. Dreschhoff, Gisela, and Zeller, Edward J., *Determination of Energy Storage in Irradiated Salt and Synthetic Waste Products*, prepared by University of Kansas Center for Research, Inc., for Union Carbide Corporation, Nuclear Division, Oak Ridge National Laboratory, ORNL/SUB-3484/5 (July 1, 1973).
160. Fallis, Susan M., *Mineral Sources of Water and Their Influence on the Safe Disposal of Radioactive Wastes in Bedded Salt Deposits*, prepared by University of Tennessee for Union Carbide Corporation, Nuclear Division, Oak Ridge National Laboratory, ORNL/SUB-3670/1 (December 1973).
161. Kopp, Otto C., and Combs, Douglas W., *Mineral Sources of Water in Evaporite Sequences (Salado Salt and Adjacent Beds at the Proposed Waste Disposal Facility Near Carlsbad in Lea and Eddy Counties, New Mexico)*, final report, prepared by University of Tennessee for Union Carbide Corporation, Nuclear Division, Oak Ridge National Laboratory, ORNL/SUB-3670/3 (Sept. 1, 1975).
162. Combs, Douglas W., *The Mineralogy, Petrology, and Bromine Geochemistry of Selected Samples of the Salado Salt, Lea and Eddy Counties, New Mexico: A Potential Horizon for the Disposal of Radioactive Waste*, prepared by University of Tennessee for Union Carbide Corporation, Nuclear Division, Oak Ridge National Laboratory, ORNL/SUB-3670/5 (December 1975).
163. Beane, Richard E., *Quantitative Mineralogy of Selected Shale Samples from the Lyons, Kansas, Nuclear-Waste Burial Site, and Probable Effect of Raising Temperature in the Column*, prepared for Union Carbide Corporation, Nuclear Division, Oak Ridge National Laboratory, ORNL/SUB-3673/2 (June 1974).

164. Beane, Richard E., and Popp, Carl J., *Chemical, Mineralogical, and Thermogravimetric Analyses of Selected Core Samples from Carlsbad, New Mexico*, prepared for Union Carbide Corporation, Nuclear Division, Oak Ridge National Laboratory, ORNL/SUB-3673/3 (June 1975).
165. Gnirk, P. F.; Hoskins, E. R.; Pariseau, W. G.; Russell, J. E.; and Wawersik, W. R.; *Analysis and Evaluation of the Rock Mechanics Aspects of the Proposed Salt Mine Repository*, prepared by RE/SPEC Inc. for Union Carbide Corporation, Nuclear Division, Oak Ridge National Laboratory, ORNL/SUB-3706/1 (June 30, 1972).
166. Gnirk, Paul F.; Callahan, Gary D.; Hovland, Helge; Pariseau, William G.; Russell, James E.; and Wawersik, Wolfgang R.; *Analysis and Evaluation of the Rock Mechanics Aspects of the Proposed Salt Mine Repository*, prepared by RE/SPEC Inc. for Union Carbide Corporation, Nuclear Division, Oak Ridge National Laboratory, ORNL/SUB-3706/2 (Sept. 28, 1973).
167. Hovland, H., and Russell, J. E., *General Description of the Finite-Element Method of Analysis in Engineering Mechanics*, prepared by RE/SPEC Inc. for Union Carbide Corporation, Nuclear Division, Oak Ridge National Laboratory, ORNL/SUB-3706/3 (Oct. 5, 1973).
168. Gnirk, Paul F., *Elastic Solutions for Selected Circular-Symmetric Problems as Applied to the Design of the Waste-Container Sleeve*, prepared by RE/SPEC Inc. for Union Carbide Corporation, Nuclear Division, Oak Ridge National Laboratory, ORNL/SUB-3706/4 (Dec. 31, 1973).
169. Gnirk, Paul F.; Callahan, Gary D.; and Hovland, Helge; *Thermoelastic Analysis of Waste-Container Sleeve*, prepared by RE/SPEC Inc. for Union Carbide Corporation, Nuclear Division, Oak Ridge National Laboratory, ORNL/SUB-3706/5 (Jan. 18, 1974).
170. Pariseau, William G., *Thermoelastic/Plastic Analysis of Waste-Container Sleeve: I. Initial Estimates of Loading on the Sleeve*, prepared by RE/SPEC Inc. for Union Carbide Corporation, Nuclear Division, Oak Ridge National Laboratory, ORNL/SUB-3706/6 (May 9, 1974).
171. Gnirk, Paul F.; Callahan, Gary D.; Pariseau, William G.; Van Sambeek, Leo L.; and Wawersik, Wolfgang R.; *Analysis and Evaluation of the Rock Mechanics Aspects of the Proposed Salt-Mine Repository Concept: III*, prepared by RE/SPEC Inc. for Union Carbide Corporation, Nuclear Division, Oak Ridge National Laboratory, ORNL/SUB-3706/7 (Sept. 28, 1974).
172. Landes, Kenneth K., *Possible Salt Mine Sites for Radioactive Waste Disposal in the Northeastern States*, prepared for Union Carbide Corporation, Nuclear Division, Oak Ridge National Laboratory, ORNL/SUB-3733/1 (June 30, 1972).
173. Einstein, Herbert H., and Barvenik, Matthew J., *Grouting Applications in Civil Engineering*, vols. I and II, prepared by Department of Civil Engineering, Massachusetts Institute of Technology, for Union Carbide Corporation, Nuclear Division, Oak Ridge National Laboratory, ORNL/SUB-3960/1 (January 1975).
174. Martin, R. Torrence, and Olsen, J. M., *Feasibility of Sealing Boreholes with Compacted Natural Earthen Material*, vols. I, II, and III, prepared by Department of Civil Engineering, Massachusetts Institute of Technology, for Union Carbide Corporation, Nuclear Division, Oak Ridge National Laboratory, ORNL/SUB-3960/2 (June 1975).
175. Roy, Della M., and White, William B., *Borehole Plugging by Hydrothermal Transport: A Feasibility Report*, prepared by Pennsylvania State University for Union Carbide Corporation, Nuclear Division, Oak Ridge National Laboratory, ORNL/SUB-4091/1 (May 30, 1975).
176. Roy, Della M., and White, William B., *Borehole Plugging by Hydrothermal Transport: An Interim Report on Experimental Studies for the Period Sept. 1, 1974-June 30, 1975*, prepared by Pennsylvania State University for Union Carbide Corporation, Nuclear Division, Oak Ridge National Laboratory, ORNL/SUB-4091/2 (July 15, 1975).

177. Roy, Della M., and White, William B., *Borehole Plugging by Hydrothermal Transport: Final Report on Experimental Studies for the Period Sept. 1, 1974-Dec. 31, 1975*, prepared by Pennsylvania State University for Union Carbide Corporation, Nuclear Division, Oak Ridge National Laboratory, ORNL/SUB-4091/3 (Feb. 28, 1976).
178. Roy, Della M., *Borehole Cement and Rock Properties Studies. Progress Report*, prepared by Pennsylvania State University for Union Carbide Corporation, Nuclear Division, Oak Ridge National Laboratory, ORNL/SUB-4091/5 (Aug. 10, 1976).
179. Martinez, J. D.; Kupfer, D. H.; Thoms, R. L.; Smith, C. G.; and Kolb, C. R.; *An Investigation of the Utility of Gulf Coast Salt Domes for the Storage or Disposal of Radioactive Wastes*, prepared by Institute for Environmental Studies, Louisiana State University, for Union Carbide Corporation, Nuclear Division, Oak Ridge National Laboratory, ORNL/SUB-4112/10 (June 30, 1975).
180. Martinez, J. D.; Thoms, R. L.; Kupfer, D. H.; Smith, C. G., Jr.; Kolb, C. R.; Newchurch, E. J.; Wilcox, R. E.; Manning, T. A., Jr.; Romberg, M.; Lewis, A. J.; and Rovik, J. E.; *An Investigation of the Utility of Gulf Coast Salt Domes for the Storage or Disposal of Radioactive Wastes*, prepared by Institute for Environmental Studies, Louisiana State University, for Union Carbide Corporation, Nuclear Division, Oak Ridge National Laboratory, ORNL/SUB-4112/25 (Sept. 30, 1976).
181. Pariseau, William G., *Thermoelastic/Plastic Analysis of Waste-Container Sleeve: II. Influence of Large Displacements on Sleeve Loading*, prepared by RE/SPEC Inc. for Union Carbide Corporation, Nuclear Division, Oak Ridge National Laboratory, ORNL/SUB-4269/1 (Mar. 21, 1975).
182. Pariseau, William G., *Thermoelastic/Plastic Analysis of Waste-Container Sleeve: III. Influence of Salt Strength on Sleeve Loading*, prepared by RE/SPEC Inc. for Union Carbide Corporation, Nuclear Division, Oak Ridge National Laboratory, ORNL/SUB-4269/2 (Mar. 21 1975).
183. Pariseau, William G., *Thermoelastic/Plastic Analysis of Waste-Container Sleeve: IV. Air Gap Influence on Hole Closure*, prepared by RE/SPEC Inc. for Union Carbide Corporation, Nuclear Division, Oak Ridge National Laboratory, ORNL/SUB-4269/3 (Mar. 21, 1975).
184. Callahan, Gary D., and Ratigan, Joe L., *Thermo/Viscoelastic Analysis of the Waste-Container Sleeve: I. Time-Dependent Salt Loading on the Sleeve and Closure of the Drill Hole*, prepared by RE/SPEC Inc. for Union Carbide Corporation, Nuclear Division, Oak Ridge National Laboratory, ORNL/SUB-4269/4 (Oct. 31, 1975).
185. Callahan, Gary D., and Ratigan, Joe L., *Thermo/Viscoelastic Analysis of the Waste-Container Sleeve: II. Stress and Displacement Fields for the Room-and-Pillar Configuration*, prepared by RE/SPEC Inc. for Union Carbide Corporation, Nuclear Division, Oak Ridge National Laboratory, ORNL/SUB-4269/5 (Oct. 31, 1975).
186. Callahan, Gary D.; Ratigan, Joe L.; Russell, James E.; and Fossum, Arlo F.; *Heat Transfer Analysis of the Waste-Container Sleeve/Salt Configuration*, prepared for Union Carbide Corporation, Nuclear Division, Oak Ridge National Laboratory, ORNL/SUB-4269/7 (Mar. 31, 1975).
187. Gnirk, Paul F.; Grams, William H.; Zeller, Thomas J.; Ellis, David B.; Pariseau, William G.; Fossum, Arlo F.; Ratigan, Joe L.; and Hansen, Francis D.; *Design Aspects of the Alpha Repository: I. Preliminary Results of Facility Layout, Room Stability, and Equipment Selection Efforts*, prepared by RE/SPEC Inc. for Union Carbide Corporation, Nuclear Division, Oak Ridge National Laboratory, ORNL/SUB-4269/8 (Apr. 14, 1975).

188. Grams, William H., *Design Aspects of the Alpha Repository: II. Conceptual Layouts of Underground Storage Facilities*, prepared by RE/SPEC Inc. for Union Carbide Corporation, Nuclear Division, Oak Ridge National Laboratory, ORNL/SUB-4269/9 (June 30, 1975).
189. Hansen, Francis D., and Gnirk, Paul F., *Design Aspects of the Alpha Repository: III. Uniaxial Quasi-Static and Creep Properties of the Site Rock*, prepared by RE/SPEC Inc. for Union Carbide Corporation, Nuclear Division, Oak Ridge National Laboratory, ORNL/SUB-4269/10 (June 30, 1975).
190. Ratigan, Joe L.; Fossum, Arlo F.; and Pariseau, William G.; *Design Aspects of the Alpha Repository: IV. Structural Analysis of Excavation Geometries*, prepared by RE/SPEC Inc. for Union Carbide Corporation, Nuclear Division, Oak Ridge National Laboratory, ORNL/SUB-4269/11 (June 30, 1975).
191. Zeller, T. J., and Grams, W. H., *Design Aspects of the Alpha Repository: V. Suite Selection and Cost Analysis of Excavation/Haulage Systems*, prepared by RE/SPEC Inc. for Union Carbide Corporation, Nuclear Division, Oak Ridge National Laboratory, ORNL/SUB-4269/12 (June 30, 1975).
192. Ellis, D. B., and Grams, W. H., *Design Aspects of the Alpha Repository: VI. Selection and Cost Analysis of Large Hole Drilling Equipment*, prepared by RE/SPEC Inc. for Union Carbide Corporation, Nuclear Division, Oak Ridge National Laboratory, ORNL/SUB-4269/13 (June 30, 1975).
193. Callahan, G. D., *Documentation of the Heat Conduction Code TRANCO*, prepared by RE/SPEC Inc. for Union Carbide Corporation, Nuclear Division, Oak Ridge National Laboratory, ORNL/SUB-4269/15 (Aug. 8, 1975).
194. Gnirk, P. F., *Factor-of-Safety Formulations for Linear and Parabolic Failure Envelopes for Rock*, prepared by RE/SPEC Inc. for Union Carbide Corporation, Nuclear Division, Oak Ridge National Laboratory, ORNL/SUB-4269/16 (Oct. 31, 1975).
195. Callahan, G. D., *Documentation of the Thermo/Viscoelastic Code TEVCO*, prepared by RE/SPEC Inc. for Union Carbide Corporation, Nuclear Division, Oak Ridge National Laboratory, ORNL/SUB-4269/17 (Sept. 30, 1975).
196. Pariseau, W. G., *Description of the Thermoelastic/Plastic Computer Program TEPCO*, prepared by RE/SPEC Inc. for Union Carbide Corporation, Nuclear Division, Oak Ridge National Laboratory, ORNL/SUB-4269/18 (Sept. 15, 1975).
197. Fossum, A. F., *Structural Analysis of Salt Cavities Formed by Solution Mining: I. Method of Analysis and Preliminary Results for Spherical Cavities*, prepared by RE/SPEC Inc. for Union Carbide Corporation, Nuclear Division, Oak Ridge National Laboratory, ORNL/SUB-4269/19 (Jan. 15, 1976).
198. Ratigan, J. L., *Preliminary Analysis of the Potential for Thermally Induced Rock Fracture around High Level Waste Containers*, prepared by RE/SPEC Inc. for Union Carbide Corporation, Nuclear Division, Oak Ridge National Laboratory, ORNL/SUB-4269/20 (Mar. 25, 1976).
199. Hansen, F. D., *Experimental Consolidation of Granulated Rock Salt with Application to Sleeve Buckling*, prepared by RE/SPEC Inc. for Union Carbide Corporation, Nuclear Division, Oak Ridge National Laboratory, ORNL/SUB-4269/21 (Apr. 5, 1976).
200. Goebel, E. D.; Parizek, E. J.; and Stauffer, T. P.; *Dry and Stable Excavations in Limestones of the Greater Kansas City Area of Missouri and Kansas*, prepared for Union Carbide Corporation, Nuclear Division, Oak Ridge National Laboratory, ORNL/SUB-4299/1 (June 1975).

201. Martinez, Joseph D., *An Evaluation of Hydrologic Isolation from Evidence in Mine Openings in Igneous and Metamorphic Rocks in the Maritime Provinces of Canada*, prepared for Union Carbide Corporation, Nuclear Division, Oak Ridge National Laboratory, ORNL/SUB-4415 (September 1975).
202. Wenner, David B., and Gonzales, Serge, *Geologic Feasibility of Talc and Sepentinite Bodies from the Appalachian Mountain Region of Eastern United States with Regard to Siting of Radioactive-Waste Repositories. Final Report*, prepared for Union Carbide Corporation, Nuclear Division, Oak Ridge National Laboratory, ORNL/SUB-4496/1 (November 1975).
203. Landes, K. K., and Bourne, H. L., *Possible Salt Mine and Brined Cavity Sites for Radioactive Waste Disposal in the Northeastern Southern Peninsula of Michigan*, 2d Ed., prepared for Union Carbide Corporation, Nuclear Division, Oak Ridge National Laboratory, ORNL/SUB-7010/1 (May 31, 1976).

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Journal Articles

204. Bradshaw, R. L.; Blomeke, J. O.; Boegly, W. J., Jr.; Parker, F. L.; Perona, J. J.; and Schaffer, W. F., Jr.; "A Concept and Field-Scale Test of Disposal of High-Activity Power Reactor Wastes in Salt Mines," *Trans. Am. Nucl. Soc.* **7**(2), 399-400 (1964).
205. Kubota, Hisashi, "Problems in Disposal of Radioactive Liquid Wastes in Salt," *Chem. Eng. Prog., Symp. Ser.* **60**(53), 68-73 (1964).
206. Lomenick, T. F., and Bradshaw, R. L., "Accelerated Deformation of Rock Salt at Elevated Temperature," *Nature* **207**(4993), 158-59 (July 10, 1965).
207. Bradshaw, R. L.; Blomeke, J. O.; Boegly, W. J., Jr.; Empson, F. M.; Parker, F. L.; Perona, J. J.; and Schaffer, W. F., Jr.; "Disposal of High Activity Power Reactor Wastes in Salt Mines: A Concept and Field Scale Demonstration," *Nucl. Struct. Eng.* **2**(4), 438-46 (October 1965).
208. Boegly, W. J., Jr.; Bradshaw, R. L.; Empson, F. M.; Schaffer, W. F., Jr.; Parker, F. L.; and Blomeke, J. O.; "Project Salt Vault: A Demonstration Disposal of High-Level Radioactive Solids in Lyons, Kansas, Salt Mine," *Health Phys.* **12**, 417-24 (January 1966).
209. Kubota, H., " γ -Dosimetry at 150-250°C with Deaerated Ferrous Sulphate Solution," *J. Inorg. Nucl. Chem.* **28**, 3053-56 (1966).
210. McClain, W. C., and Bradshaw, R. L. "Stress Redistribution in Room and Pillar Salt Mines," *Int. J. Rock Mech. Min. Sci.* **4**, 245-55 (April 1967).
211. Bradshaw, R. L.; Beck, W. L.; Dickson, H. W.; and Hanson, W. F.; "High Dose Response of Glass Rod Dosimeters Irradiated at Temperatures up to 250°C," *Health Phys.* **13**, 910-15 (August 1967).
212. Boegly, W. J., Jr.; Empson, F. M.; McClain, W. C.; and Parker, F. L.; "Disposal of High Activity Power Reactor Wastes in Salt Mines: Mine Renovations Required for Project Salt Vault," *Nucl. Eng. Des.* **8**(3), 360-66 (June 7, 1968).
213. Schaffer, W. F., Jr.; Boegly, W. J., Jr.; Bradshaw, R. L.; and Parker, F. L.; "Project Salt Vault: Design of Equipment," *Nucl. Eng. Des.* **8**(3), 327-36 (June 7, 1968).
214. Lomenick, T. F., and Bradshaw, R. L., "Model Pillar Tests for Evaluating the Structural Stability of Openings in Rock Salt Utilized for the Disposal of Radioactive Wastes," *Nucl. Eng. Des.* **9**, 269-78 (February 1969).
215. Lomenick, T. F., and Bradshaw, R. L., "Deformation of Rock Salt in Openings Mined for the Disposal of Radioactive Wastes," *Rock Mech.* **1**, 5-29 (July 1969).
216. Bradshaw, R. L., and Sanchez, Florentino, "Migration of Brine Cavities in Rock Salt," *J. Geophys. Res.* **74**(17), 4209-12 (Aug. 15, 1969).
217. Bradshaw, R. L.; McClain, W. C.; and Empson, F. M.; "Disposal of Solidified Power Reactor Wastes in Salt Mines," *Trans. Am. Nucl. Soc.* **26**, 452 (1969).
218. McClain, W. C., and Bradshaw, R. L., "Radioactive Wastes in Salt Mines," *Mines Mag.* **59**, 11-14 (1969).

219. Bradshaw, R. L.; Empson, F. M.; McClain, W. C.; and Houser, B. L.; "Results of a Demonstration and Other Studies of the Disposal of High Level Solidified, Radioactive Wastes in a Salt Mine," *Health Phys.* **18**(1), 63-67 (January 1970).
220. McClain, W. C., and Bradshaw, R. L., "Status of Investigations of Salt Formations for Disposal of Highly Radioactive Power-Reactor Wastes," *Nucl. Saf.* **11**(2), 130-41 (March-April 1970).
221. Blomeke, J. O., and McClain, W. C., "A Salt Mine Repository for Radioactive Wastes," *Nucl. News* **14**(4), 35-38 (April 1971).
222. Cheverton, R. D., and Turner, W. D., "Thermal Considerations in the Proposed Radioactive Waste Repository," *Trans. Am. Nucl. Soc.* **14**(2), 496 (October 1971).
223. Cheverton, R. D., and Turner, W. D., "Thermal Aspects of Burying Radioactive Wastes in Bedded Salt," *Power Eng.* **76**, 48-50 (April 1972).
224. Gera, Ferruccio, "A Review of Salt Tectonics in Relation to the Disposal of Radioactive Wastes in Salt Formations," *Geol. Soc. Am. Bull.* **83**(12), 3551-74 (December 1972).
225. Cheverton, R. D., and Turner, W. D., "Thermal Considerations and Analysis for a Radioactive Waste Repository," *Nucl. Technol.* **19**, 21-33 (July 1973).
226. Barnes, Harley, "Geologic and Hydrologic Background for Selecting Site of Pilot-Plant Repository for Radioactive Waste," *Bull. Assoc. Eng. Geol.* **XI**(1), 83-92 (Winter 1974).
227. Brunton, G. D., and Johnson, C. K., "A Neutron Diffraction Study of the Diaquohydronium Ion in Yttrium Oxalate Trihydrate," *J. Chem. Phys.* **62**(9), 3797-3806 (May 1, 1975).
228. Jenks, G. H.; Sonder, E.; Bopp, C. D.; Walton, J. R.; and Lindenbaum, S.; "Reaction Products and Stored Energy Released from Irradiated Sodium Chloride by Dissolution and by Heating," *J. Phys. Chem.* **79**(9), 871-75 (1975).

Conference Proceedings

229. Parker, F. L.; Boegly, W. J., Jr.; Bradshaw, R. L.; Empson, F. M.; Hemphill, L.; Struxness, E. G.; and Tamura, Tsuneo; "Disposal of Radioactive Wastes in Natural Salt," pp. 365-84 in vol. 2 of *Disposal of Radioactive Wastes*, Proceedings of the Scientific Conference on the Disposal of Radioactive Wastes, Monaco, Nov. 16-21, 1959, STI/PUB/18, International Atomic Energy Agency, Vienna, Austria, 1960.
230. Bradshaw, R. L.; Boegly, W. J., Jr.; Empson, F. M.; Kubota, Hisashi; and Struxness, E. G.; "Storage of High-Level Packaged Solid Waste in Rock Salt," pp. 477-90 in *Ground Disposal of Radioactive Wastes, Second Conference Proceedings*, Chalk River, Canada, Sept. 26-29, 1961, USAEC Report TID-7628, March 1962.
231. Empson, F. M., "Storage of Low-Level Packaged Solids in a Salt Mine," pp. 469-76 in *Ground Disposal of Radioactive Wastes, Second Conference Proceedings*, Chalk River, Canada, Sept. 26-29, 1961, USAEC Report TID-7628, March 1962.
232. Bradshaw, R. L.; Boegly, W. J., Jr.; Empson, F. M.; Kubota, Hisashi; Parker, F. L.; Perona, J. J.; and Struxness, E. G.; "Ultimate Storage of High-Level Waste Solids and Liquids in Salt Formations," pp. 153-75 in *Treatment and Storage of High-Level Radioactive Wastes*, Vienna, Oct. 8-12, 1962, STI/PUB/63, International Atomic Energy Agency, Vienna, Austria, February 1963.
233. Clark, W. E., and Godbee, H. W., "Fixation of Simulated Highly Radioactive Wastes in Glassy Solids," pp. 411-39 in *Treatment and Storage of High-Level Radioactive Wastes*, Vienna, Oct. 8-12, 1962, STI/PUB/63, International Atomic Energy Agency, Vienna, Austria, February 1963.
234. Bradshaw, R. L.; Boegly, W. J., Jr.; Empson, F. M.; Kubota, H.; Parker, F. L.; Perona, J. J.; and Struxness, E. G.; "Ultimate Storage of High-Level Waste Solids and Liquids in Salt Formations," pp. 257-68 in *International Colloquium on Retention and Migration of Radioactive Ions in Soils*, Saclay, Oct. 16-18, 1962, French University Press, Paris, 1963.
235. Bradshaw, R. L.; Boegly, W. J., Jr.; and Empson, F. M.; "Correlation of Convergence Measurements in Salt Mines with Laboratory Creep-Test Data," pp. 501-14 in *Proceedings of the Sixth Symposium on Rock Mechanics*, University of Missouri at Rolla, October 1964.
236. Blanco, R. E.; Blomeke, J. O.; and Roberts, J. T.; "Future Magnitude and Proposed Solutions of the Waste Disposal Problem," pp. 3-16 in *Proceedings of the Symposium on the Solidification and Long-Term Storage of Highly Radioactive Wastes*, Richland, Washington, Feb. 14-18, 1966, USAEC Report CONF-660208, November 1966.
237. Blomeke, J. O.; Salmon, R.; Roberts, J. T.; Bradshaw, R. L.; and Perona, J. J.; "Estimated Costs of High-Level Waste Management," pp. 830-43 in *Proceedings of the Symposium on the Solidification and Long-Term Storage of Highly Radioactive Wastes*, Richland, Washington, Feb. 14-18, 1966, USAEC Report CONF-660208, November 1966.

238. Bradshaw, R. L.; Lomenick, T. F.; McClain, W. C.; Boegly, W. J., Jr.; Empson, F. M.; and Parker, F. L.; "Project Salt Vault: Effects of Temperature and Radiation on Plastic Flow and Mine Stability," pp. 707-22 in *Proceedings of the Symposium on the Solidification and Long-Term Storage of Highly Radioactive Wastes*, Richland, Washington, Feb. 14-18, 1966, USAEC Report CONF-660208, November 1966.
239. Clark, W. E.; Godbee, H. W.; and Fitzgerald, C. L.; "Laboratory Development of Pot Processes for Solidification of Radioactive Wastes," pp. 95-119 in *Proceedings of the Symposium on the Solidification and Long-Term Storage of Highly Radioactive Wastes*, Richland, Washington, Feb. 14-18, 1966, USAEC Report CONF-660208, November 1966.
240. Empson, F. M.; Bradshaw, R. L.; Boegly, W. J., Jr.; McClain, W. C.; Parker, F. L.; and Schaffer, W. F., Jr.; "Project Salt Vault: Design and Operation," pp. 671-84 in *Proceedings of the Symposium on the Solidification and Long-Term Storage of Highly Radioactive Wastes*, Richland, Washington, Feb. 14-18, 1966, USAEC Report CONF-660208, November 1966.
241. Godbee, H. W.; Clark, W. E.; and Fitzgerald, C. L.; "Physical Properties of Solids Incorporating Simulated Radioactive Wastes," pp. 566-84 in *Proceedings of the Symposium on the Solidification and Long-Term Storage of Highly Radioactive Wastes*, Richland, Washington, Feb. 14-18, 1966, USAEC Report CONF-660208, November 1966.
242. Schaffer, W. F., Jr.; Boegly, W. J., Jr.; Parker, F. L.; Bradshaw, R. L.; Empson, F. M.; and McClain, W. C.; "Project Salt Vault: Design and Demonstration of Equipment," pp. 685-706 in *Proceedings of the Symposium on the Solidification and Long-Term Storage of Highly Radioactive Wastes*, Richland, Washington, Feb. 14-18, 1966, USAEC Report CONF-660208, November 1966.
243. Suddath, J. C.; Hancher, C. W.; and Holmes, J. M.; "Engineering Development of the Pot Processes for Solidification of Radioactive Wastes," pp. 301-25 in *Proceedings of the Symposium on the Solidification and Long-Term Storage of Highly Radioactive Wastes*, Richland, Washington, Feb. 14-18, 1966, USAEC Report CONF-660208, November 1966.
244. Boegly, W. J., Jr.; Bradshaw, R. L.; Empson, F. M.; McClain, W. C.; Parker, F. L.; and Schaffer, W. F., Jr.; "Project Salt Vault: Radioactive Waste Disposal in a Salt Mine," pp. 398-409 in *Proceedings of the 20th Annual Industrial Waste Conference*, Lafayette, Indiana, May 4-6, 1965, CONF-650539, 1966.
245. Bradshaw, R. L.; Lomenick, T. F.; McClain, W. C.; and Empson, F. M.; "Model and Underground Studies of the Influence of Stress, Temperature, and Radiation on Flow and Stability in Rock Salt Mines," pp. 429-33 in vol. II of *Proceedings of the First Congress of the International Society of Rock Mechanics*, Lisbon, Sept. 25 to Oct. 1, 1966, Laboratório Nacional de Engenharia Civil, Lisboa, Portugal, 1966.
246. Empson, F. M.; Boegly, W. J., Jr.; Bradshaw, R. L.; McClain, W. C.; Parker, F. L.; and Schaffer, W. F., Jr.; "Demonstration of Disposal of High-Level Radioactive Solids in Salt," pp. 432-43 in vol. I of *Second Symposium on Salt*, May 3-5, 1965, The Northern Ohio Geological Society, Inc., Cleveland, Ohio, 1966.
247. Lomenick, T., and Bradshaw, R., "Some Remarks on the Role of Small-Scale Model Studies in Evaluating the Stability of Underground Activities," pp. 498-500 in vol. III of *Proceedings of the First Congress of the International Society of Rock Mechanics*, Lisbon, Sept. 25 to Oct. 1, 1966, Laboratório Nacional de Engenharia Civil, Lisboa, Portugal, 1967.
248. McClain, W. C., "Hydraulic Fracturing as a Waste Disposal Method," pp. 135-47 in *Disposal of Radioactive Wastes into the Ground*, Vienna, May 29-June 2, 1967, STI/PUB/156, International Atomic Energy Agency, Vienna, Austria, 1967.

249. McClain, W. C.; Bradshaw, R. L.; and Empson, F. M.; "Disposal of High-Level Solidified Wastes in Salt Mines," pp. 549-62 in *Disposal of Radioactive Wastes into the Ground*, Vienna, May 29-June 2, 1967, STI/PUB/156, International Atomic Energy Agency, Vienna, Austria, 1967.
250. Boegly, W. J.; Parker, F. L.; and Struxness, E. G.; "Disposal of Radioactive Wastes in Geologic Formations," pp. 701-11 in *Proceedings of the First International Congress of Radiation Protection*, Rome, Italy, Sept. 5-10, 1966, CONF-660920-9, Pergamon, New York, 1968.
251. Bradshaw, R. L.; Empson, F. M.; Boegly, W. J.; Kubota, H.; Parker, F. L.; and Struxness, E. G.; "Properties of Salt Important in Radioactive Waste Disposal," pp. 643-58 in *Saline Deposits: A Symposium Based on Papers from the International Conference on Saline Deposits, Houston, Texas, 1962*, Geological Society of America, Special Paper 88, 1968.
252. Bradshaw, R. L., and McClain, W. C., "Roof-Bolt Test and Application in Supporting a Two-Foot-Thick Roof Bed," pp. 466-70 in vol. II of *Third Symposium on Salt*, Apr. 22-24, 1969, The Northern Ohio Geological Society, Inc., Cleveland, Ohio, 1970.
253. Empson, F. M.; Bradshaw, R. L.; McClain, W. C.; and Houser, B. L.; "Results of the Operation of Project Salt Vault: A Demonstration of Disposal of High Level Radioactive Solids in Salt," pp. 455-62 in vol. I of *Third Symposium on Salt*, Apr. 22-24, 1969, The Northern Ohio Geological Society, Inc., Cleveland, Ohio, 1970.
254. McClain, William C., "The Mechanics of Hydraulic Fractures in Shales," pp. 410-20 in vol. II of *Third Symposium on Salt*, Apr. 22-24, 1969, The Northern Ohio Geological Society, Inc., Cleveland, Ohio, 1970.
255. McClain, W. C., and Bradshaw, R. L., "Deformation and Stress Transference in a Salt Mine Resulting from the Application of Heat," pp. 559-65 in vol. 1 of *Proceedings of the Second Congress of the International Society for Rock Mechanics*, Belgrade, Sept. 21-26, 1970, Jaroslav Cerni, Institute for Development of Water Resources, Beograd, Yugoslavia, 1970.
256. Frederick, E. J., "The Burial of Radioactive Waste in Salt," pp. 78-83 in *Proceedings of 20th Remote Systems Technology Conference*, Idaho Falls, Idaho, Sept. 17-21, 1972, CONF-720903, September 1972.
257. Culler, F. L.; Blomeke, J. O.; and Belter, W. G.; "Current Developments in Long-Range Waste Management," pp. 427-43 in vol. 13 of *Proceedings of 4th United Nations International Conference on the Peaceful Uses of Atomic Energy*, Geneva, September 1972, United Nations, New York, 1972.
258. Lomenick, T. F., and Boch, A. L., "Site Investigations for a Bedded-Salt Pilot Plant in the Permian Basin," pp. 634-51 in vol. 1 of *Underground Waste Management and Artificial Recharge*, Second International Symposium, New Orleans, Louisiana, Sept. 26-30, 1973, The George Banta Company, Menasha, Wisconsin, 1973.
259. Zerby, C. D., "The National Waste Terminal Storage Program," pp. 159-72 in *Proceedings of the Symposium on Waste Management*, Tucson, Arizona, Oct. 3-6, 1976, CONF-761020, October 1976.
260. Blomeke, J. O., and Kee, C. W., "Projections of Wastes to Be Generated," pp. 96-117 in *Proceedings of the International Symposium on the Management of Wastes from the LWR Fuel Cycle*, Denver, Colorado, July 11-16, 1976, ERDA Report CONF-76-0701, 1976.
261. McClain, W. C., and Zerby, C. D., "Waste Isolation in Geologic Formations in the United States," pp. 567-79 in *Proceedings of the International Symposium on the Management of Wastes from the LWR Fuel Cycle*, Denver, Colorado, July 11-16, 1976, ERDA Report CONF-76-0701, 1976.

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WAS INTENTIONALLY
LEFT BLANK**

Addenda*

262. Control Data Corporation, *National Waste Terminal Storage Program. Planning and Control System Manual*, prepared for Union Carbide Corporation, Nuclear Division, Office of Waste Isolation, Y/OWI/SUB-76/16513 (September 1976).
263. Logan, Stanley E. (Chairman), *Workshop on Geologic Data Requirements for Radioactive Waste Management Assessment Models*, Santa Fe, New Mexico, June 28 to July 1, 1976, prepared by University of New Mexico College of Engineering, Bureau of Engineering Research, for Union Carbide Corporation, Nuclear Division, Office of Waste Isolation, Y/OWI/SUB-76/81726 (September 1976).
264. Westinghouse Electric Corporation, *A Systems Analysis of Instrumentation for in Situ Examination of Rock Properties. Final Report*, prepared for Union Carbide Corporation, Nuclear Division, Office of Waste Isolation, Y/OWI/SUB-76/99096 (October 1976).

**Editor's note:* These report citations were entered late in the preparation of this bibliography and therefore could not be included in the proper publication category.

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Chemical Technology Division Annual Progress Report for Period Ending March 31, 1975, pp. 4-19 (ORNL-5050) 97

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Disposal of Radioactive Wastes into the Ground, Vienna, May 29-June 2, 1967, International Atomic Energy Agency, Vienna Austria, pp. 549-62 (STI/PUB/156) 249

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Fourth National Conference on
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*** H ***

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(CRNL-4007) 70

Health Physics Division Annual
Progress Report for Period
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Health Physics Division Annual
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Health Physics Division Annual
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Health Physics Division Annual
Progress Report for Period
Ending July 31, 1971, pp. 1-29
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*** I ***

Industrial Waste, Proceedings
of the 20th Annual Symposium,
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International Society of Rock
Mechanics, Proceedings of the
First Congress, Lisbon,
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Nacional de Engenharia Civil,
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International Society of Rock
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International Symposium on
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*** S ***

Salt, Proceedings of the
Second Symposium, May 3-5,
1965, vol. I, The Northern
Ohio Geological Society, Inc.,
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Seminar July 5-23, 1976,
Special Training Division, Oak
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Solidification and Long-Term
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Wastes, Richland, Washington,
Feb. 14-18, 1966, USAEC
Report, pp. 685-706 (CONF-
660208) 242

Solidification and Long-Term
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Wastes, Richland, Washington,
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Report, pp. 301-25 (CONF-
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Symposium on Salt Dome
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Testimony at Oregon Energy
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Testimony at South Dakota
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Third Annual UMR-MEC
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Oct. 12-14, 1976 (Y/OWI/TM-2)
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Trans. Am. Nucl. Soc. 14(2),
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Trans. Am. Nucl. Soc. 26, 452
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Trans. Am. Nucl. Soc. 7(2),
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