COMPLETE

ENGINEERING CHANGE NOTICE

Page 1 of 2

1. ECN 197882

Proj.
ECN

2. ECN Category (mark one) Supplemental ☐ Direct Revision ☒ Change ECN ☐ Temporary ☐ Standby ☐ Superseded ☐ Cancel/Void ☐	3. Originator's Name, Organization, MSIN, and Telephone No. Patricia E. Porter, Site Technical Integration, H6-35, 376-1987	3a. USQ Required? ☐ Yes ☒ No	4. Date May 10, 1996																
11a. Modification Work ☐ Yes (fill out Blk. 11b) ☒ No (NA Blks. 11b, 11c, 11d)	11b. Work Package No. N/A	11c. Modification Work Complete N/A Cog. Engineer Signature & Date	11d. Restored to Original Condition (Temp. or Standby ECN only) N/A Cog. Engineer Signature & Date																
12. Description of Change Update Hanford Site Technical Baseline Database (HSTBD) to incorporate information from continued development activities. Changes were made at the Site-Level and within All Functions. Specific change details are contained within the delta files listed in Table 2 of WHC-SD-GN-CSWD-20012 Rev 4. These changes implement HSTBD Change Requests HSTB-96-009, HSTB-96-010, HSTB-96-013, HSTB-96-014, and HSTB-96-015.																			
13a. Justification (mark one) Criteria Change ☒ Design Improvement ☐ Environmental ☐ Facility Deactivation ☐ As-Found ☐ Facilitate Const ☐ Const. Error/Omission ☐ Design Error/Omission ☐																			
13b. Justification Details Hanford Systems Integration (HSI) has an RL commitment to update the Hanford Site Technical Baseline (HSTB) on May 10, 1996. Our goal is to incorporate the current baseline information from the Programs and Projects into the HSTB in time to support the Multi-Year Program Plan (MYPP) guidance activity.																			
14. Distribution (include name, MSIN, and no. of copies) <table border="0"> <tr> <td>J.M. Vann</td> <td>H6-33 (1)</td> <td>K.B. Bailey</td> <td>H6-33 (1)</td> </tr> <tr> <td>Central Files</td> <td>A3-88 (1)</td> <td>M.L. Grygiel</td> <td>H6-33 (1)</td> </tr> <tr> <td>(Original)</td> <td></td> <td>P.A. Baynes</td> <td>H6-33 (1)</td> </tr> <tr> <td>P.E. Porter</td> <td>H6-35 (1)</td> <td>C.L. Kellie</td> <td>H6-33 (1)</td> </tr> </table>				J.M. Vann	H6-33 (1)	K.B. Bailey	H6-33 (1)	Central Files	A3-88 (1)	M.L. Grygiel	H6-33 (1)	(Original)		P.A. Baynes	H6-33 (1)	P.E. Porter	H6-35 (1)	C.L. Kellie	H6-33 (1)
J.M. Vann	H6-33 (1)	K.B. Bailey	H6-33 (1)																
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(Original)		P.A. Baynes	H6-33 (1)																
P.E. Porter	H6-35 (1)	C.L. Kellie	H6-33 (1)																

RELEASE STAMP

MAY 10 1996

DATE: STA: 21

HANFORD RELEASE

ID: 20

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15. Design Verification Required ☐ Yes ☒ No		16. Cost Impact ENGINEERING CONSTRUCTION Additional Savings ☐ \$ Additional Savings ☐ \$				17. Schedule Impact (days) Improvement ☐ Delay ☐			
18. Change Impact Review: Indicate the related documents (other than the engineering documents identified on Side 1) that will be affected by the change described in Block 12. Enter the affected document number in Block 19.									
SDD/DD	☐	Seismic/Stress Analysis	☐	Tank Calibration Manual	☐				
Functional Design Criteria	☐	Stress/Design Report	☐	Health Physics Procedure	☐				
Operating Specification	☐	Interface Control Drawing	☐	Spares Multiple Unit Listing	☐				
Criticality Specification	☐	Calibration Procedure	☐	Test Procedures/Specification	☐				
Conceptual Design Report	☐	Installation Procedure	☐	Component Index	☐				
Equipment Spec.	☐	Maintenance Procedure	☐	ASME Coded Item	☐				
Const. Spec.	☐	Engineering Procedure	☐	Human Factor Consideration	☐				
Procurement Spec.	☐	Operating Instruction	☐	Computer Software	☐				
Vendor Information	☐	Operating Procedure	☐	Electric Circuit Schedule	☐				
OM Manual	☐	Operational Safety Requirement	☐	ICRS Procedure	☐				
FSAR/SAR	☐	IEFD Drawing	☐	Process Control Manual/Plan	☐				
Safety Equipment List	☐	Cell Arrangement Drawing	☐	Process Flow Chart	☐				
Radiation Work Permit	☐	Essential Material Specification	☐	Purchase Requisition	☐				
Environmental Impact Statement	☐	Fac. Proc. Samp. Schedule	☐	Tickler File	☐				
Environmental Report	☐	Inspection Plan	☐		☐				
Environmental Permit	☐	Inventory Adjustment Request	☐		☐				
19. Other Affected Documents: (NOTE: Documents listed below will not be revised by this ECN.) Signatures below indicate that the signing organization has been notified of other affected documents listed below. Document Number/Revision Document Number/Revision Document Number Revision									
N/A									
20. Approvals									
Signature			Date	Signature			Date		
<u>OPERATIONS AND ENGINEERING</u>				<u>ARCHITECT-ENGINEER</u>					
Cog. Eng. P.E. Porter <i>P.E. Porter</i>				PE <i>5-10-96</i>					
Cog. Mgr. M.L. Grygiel <i>Patrick A Baynes</i>				QA <i>5-10-96</i>					
QA _____				Safety _____					
Safety _____				Design _____					
Environ. _____				Environ. _____					
Other _____				Other _____					
				<u>DEPARTMENT OF ENERGY</u>					
				Signature or a Control Number that tracks the Approval Signature					
				<u>ADDITIONAL</u>					

Hanford Site Technical Baseline Database

P.E. Porter

WHC, Richland, WA 99352

U.S. Department of Energy Contract DE-AC06-87RL10930

EDT/ECN: 197882

UC: 905

Org Code: 02100

Charge Code: Y2118

B&R Code: EW3120075

Total Pages: 14

Key Words: Hanford, Site, Technical, Baseline, Database, RDD-100, Systems Engineering

Abstract: This document includes a cassette tape that contains the Hanford specific files that make up the Hanford Site Technical Baseline Database as of May 10, 1996. The cassette tape also includes the delta files that delineate the differences between this revision and revision 3 (April 10, 1996) of the Hanford Site Technical Baseline Database.

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James Bishop 5-10-96
Release Approval Date

Release Stamp

Approved for Public Release

1.0 PURPOSE AND SCOPE

The attached cassette tape contains the Hanford specific files (Table 1) that make up the Hanford Site Technical Baseline Database. The cassette tape also includes the delta files (Table 2) that delineate the differences between this revision and revision 0 of the Hanford Site Technical Baseline Database. This information is being managed and maintained on the Hanford RDD-100 System, which uses the capabilities of RDD-100, a systems engineering software system of Ascent Logic Corporation (ALC). This revision of the Hanford Site Technical Baseline Database uses RDD-100 version 4.0.3 (see Table 3). Directories reflect those controlled by the Hanford RDD-100 System Administrator. Table 4 provides information regarding the platform.

2.0 RESPONSIBILITIES

The Systems Engineering Integration organization is responsible for the development and maintenance of this document.

*This document has been extensively revised; therefore, no revision bars are used to indicate changes.

Table 1. Hanford Site Technical Baseline Database - Hanford Specific Files

	<u>File Size</u>	<u>Date</u>	<u>Time</u>
Directory: cmbl/site/New/Site {Contains Hanford Site Technical Baseline site-level data.}			
Files: HSTB-Rev4-Empty.im	7774528	May 10 1996	10:36
HSTB-Rev4.im	22313756	May 10 1996	10:37
HSTB-Rev4.rdt	11996295	May 10 1996	10:37
Directory: cmbl/site/New/Reports {Contains WHC developed applications.}			
Files: SystemSegmentSpecification.rpt	507869	May 10 1996	10:38
Directory: cmbl/site/New/Schema {Contains schema.}			
File: HSTB-Rev4-Schema.sct	118117	May 10 1996	05:58
Directory: cmbl/site/New/Site/Documents			
File: HanfordSiteCleanupSpecification.ps	583088	May 10 1996	10:38

Table 2. Hanford Site Technical Baseline Database -
Hanford Specific Files - Delta Files

	<u>File Size</u>	<u>Date</u>	<u>Time</u>
Directory: cmbl/site/Delta/Site			
{Changes to Hanford Site Technical Baseline site-level data.}			
Files: Issues-Site.rdt	74694	May 10 1996	05:59
IssuesRiskManagementList.rdt	328414	May 10 1996	05:59
Directory: cmbl/site/Delta/Shared			
{Delta-files of changes to Hanford Site Technical Baseline program-level data.}			
Files: Issues-Conversion-Projects.rdt	837	May 10 1996	05:59
Issues-Infrastructure.rdt	16672	May 10 1996	05:59
Issues-LEF.rdt	25220	May 10 1996	05:59
Issues-SNF.rdt	157705	May 10 1996	05:59
Issues-SNM-NM-NF.rdt	9142	May 10 1996	05:59
Issues-TRP.rdt	4531	May 10 1996	05:59
Directory: cmbl/site/Old/Reports			
Files: SystemSegmentSpecification.rpt	507869	Apr 10 1996	08:59
Directory: cmbl/site/Old/Site			
Files: HSTB-Rev3.im	27140336	Apr 10 1996	10:22
HSTB-Rev3.rdt	13098034	Apr 10 1996	10:23
HSTB-Rev3-Empty.im	7519752	Mar 27 1996	06:51
Directory: cmbl/site/Old/Site/Documents			
Files: HanfordSiteCleanupSpecification.ps	583088	Apr 10 1996	10:37
Directory: cmbl/site/Old/Schema			
Files: HSTB-Rev3-Schema.sct	93415	Mar 27 1996	06:55

Table 3. Hanford Site Technical Baseline Database, Vendor Provided Files

	<u>File Size</u>	<u>Date</u>	<u>Year</u>
Directory: twrsse:/export/apps/rdd403			
RDD-100.im	7181088	Sep 29	1994
RDD.license	1157	Feb 6	1994
RDD.license.1	462	Jul 13	1995
RDD.license.last	924	Feb 6	1995
RDD.options	160	Jul 13	1995
RDD.options.1	160	Jul 13	1995
install.log	492	Dec 15	1994
lm.startup.log	8028	Dec 19	1994
rdd.log	1342	Jun 16	1995
rdd.log.old	1117	Jan 11	1995
Directory: twrsse:/export/apps/rdd403/Install			
dec.getlicense.rdd	24476	Sep 28	1994
dec.install.rdd	23990	Sep 28	1994
dec.updateMasters	12055	Sep 28	1994
dec.vars.rdd	4633	Sep 28	1994
dec.vars.rdd.orig	4633	Sep 28	1994
getlicense.rdd	24276	Sep 28	1994
install.rdd	23966	Sep 28	1994
updateMasters	11946	Sep 28	1994
vars.rdd	8863	Dec 15	1994
vars.rdd.orig	8190	Sep 28	1994
Directory: twrsse:/export/apps/rdd403/SupportInfo			
DesignGuide-TypeA	512	Mar 17	1995
DesignGuide-TypeC	512	Mar 17	1995
General	512	Mar 17	1995
Pre-4.0	512	Mar 17	1995
TeamworkInterface	512	Mar 17	1995
Directory: twrsse:/export/apps/rdd403/SupportInfo/DesignGuide-TypeA			
Examples	512	Mar 17	1995
Reports	512	Mar 17	1995
Support	512	Mar 17	1995
Utilities	512	May 13	1993

Table 3. Hanford Site Technical Baseline Database, Vendor Provided Files

	<u>File Size</u>	<u>Date</u>	<u>Year</u>
Directory: twrsse:/export/apps/rdd403/SupportInfo/DesignGuide-TypeA/Examples			
DGA-Model.rdt	622994	Apr 20	1994
Directory: twrsse:/export/apps/rdd403/SupportInfo/DesignGuide-TypeA/Reports			
DGA-B1Categories.rdt	3813	Aug 30	1994
DGA-B1Doc.rdt	17139	Aug 30	1994
DGA-B2Categories.rdt	3285	Aug 30	1994
DGA-B2Doc.rdt	14247	Aug 30	1994
DGA-IRSCategories.rdt	660	Aug 30	1994
DGA-IRSDDoc.rdt	4459	Aug 30	1994
DGA-ProjectUniqueID.rpt	27106	Mar 9	1994
DGA-Reports.rpt	1215285	Sep 6	1994
DGA-SRSCategories.rdt	2676	Apr 11	1994
DGA-SRSDoc.rdt	13010	Apr 13	1994
DGA-SSDDCategories.rdt	3264	Jan 25	1994
DGA-SSDDDoc.rdt	16207	Aug 30	1994
DGA-SSS-ASpecDoc.rdt	19061	Aug 30	1994
DGA-SSSCategories.rdt	6018	Apr 11	1994
Directory: twrsse:/export/apps/rdd403/SupportInfo/DesignGuide-TypeA/Support			
DG-MUMQueries.rqt	342583	Mar 22	1994
DGA-ConsistencyChecks.cct	86491	Mar 31	1994
DGA-MEVTemplates.tpt	15873	Aug 2	1994
DGA-Schema.sct	72670	Sep 8	1994
Directory: twrsse:/export/apps/rdd403/SupportInfo/DesignGuide-TypeC			
Examples	512	Mar 17	1995
Reports	512	Mar 17	1995
Support	512	Mar 17	1995
Utilities	512	May 13	1993
Directory: twrsse:/export/apps/rdd403/SupportInfo/DesignGuide-TypeC/Examples			
DGC-Model.rdt	905127	Apr 20	1994

Table 3. Hanford Site Technical Baseline Database, Vendor Provided Files

	<u>File Size</u>	<u>Date</u>	<u>Year</u>
Directory: twrsse:/export/apps/rdd403/SupportInfo/DesignGuide-TypeC/Reports			
DGC-ProjectUniqueID.rpt	28929	May 6	1994
DGC-Reports.rpt	1091441	Aug 30	1994
DGC-SSDDCategories.rdt	2275	Mar 15	1994
DGC-SSDDDoc.rdt	12110	Aug 30	1994
DGC-SSS-ASpecDoc.rdt	19116	Aug 30	1994
DGC-SSSCategories.rdt	5998	Mar 15	1994

Table 3. Hanford Site Technical Baseline Database, Vendor Provided Files

	<u>File Size</u>	<u>Date</u>	<u>Year</u>
Directory: twrsse:/export/apps/rdd403/SupportInfo/DesignGuide-TypeC/Support			
DG-MUMQueries.rqt	390092	May 2	1994
DGC-ConsistencyChecks.cct	143177	Dec 13	1993
DGC-MEVTemplates.tpt	4611	Aug 2	1994
DGC-Schema.sct	71515	Sep 8	1994
Directory: twrsse:/export/apps/rdd403/SupportInfo/General			
Examples	512	Mar 17	1995
Reports	512	Mar 17	1995
Support	512	Mar 17	1995
Utilities	1024	Mar 17	1995
Directory: twrsse:/export/apps/rdd403/SupportInfo/General/Examples			
ATCexample.rdt	61368	Dec 2	1993
SATCS_Draft_Specs	2824	Jun 14	1993
Tutorials.rdt	304626	Dec 13	1993
Directory: twrsse:/export/apps/rdd403/SupportInfo/General/Reports			
ElementDescriptionReport.rpt	33256	Mar 29	1994
OwnershipReport.rpt	44542	May 9	1994
SEN-Sections.rdt	10111	May 9	1994
SchemaDescriptionReport.rpt	40884	Apr 13	1994
SystemEngineeringNotebook.rpt	254552	Sep 27	1994
Directory: twrsse:/export/apps/rdd403/SupportInfo/General/Support			
ConsistencyChecks.cct	87971	Aug 2	1994
MUMQueries.rqt	283929	Sep 28	1994
StandardTemplates.tpt	15878	Aug 16	1994

Table 3. Hanford Site Technical Baseline Database, Vendor Provided Files

	<u>File Size</u>	<u>Date</u>	<u>Year</u>
Directory: twrsse:/export/apps/rdd403/SupportInfo/General/Utilities			
AllocationBuilder.rpt	49623	Jun 6	1994
ChangeType.rpt	26863	Jun 6	1994
ComputePerformanceIndexes.rpt	9480	May 11	1994
DatabaseProfile.rpt	52066	Mar 29	1994
EraseExtraCRs.rpt	4127	Sep 4	1993
FindAndReplace.rpt	29659	Mar 29	1994
FindZeroFooterSize.rpt	4496	Mar 25	1994
FunctionHierBuilder.rpt	26831	Oct 6	1993
GhostBuster.rpt	1973	Sep 4	1993
GhostFinder.rpt	2168	Sep 4	1993
ItemLevels.rpt	29226	Mar 29	1994
ListReportMultiColumns.rpt	3018	Mar 25	1994
ListSelectNodeAnnotations.rpt	9223	Mar 25	1994
ListSortKeyProblems.rpt	8862	Mar 25	1994
PrintUserSelectedAttributes.rpt	20500	Mar 25	1994
ReAuthorElements.rpt	6956	Mar 29	1994
ReNumberHierarchy.rpt	20909	Apr 20	1994
RemoveCarriageReturns.rpt	28304	Jul 15	1994
ReportHierarchy.rpt	10369	Mar 25	1994
SchemaChanges.rpt	55832	Mar 29	1994
SourceParser.rpt	27594	Aug 16	1994
VariantCompare.rpt	75401	Aug 29	1994
VersionCompare.rpt	90534	May 6	1994
Directory: twrsse:/export/apps/rdd403/SupportInfo/Pre-4.0			
Examples	512	Aug 5	1993
Reports	512	Mar 17	1995
Support	512	Mar 17	1995
Utilities	512	Mar 17	1995

Table 3. Hanford Site Technical Baseline Database, Vendor Provided Files

	<u>File Size</u>	<u>Date</u>	<u>Year</u>
Directory: twrsse:/export/apps/rdd403/SupportInfo/Pre-4.0/Reports			
DIDtemplate.rdt	78880	Sep 8	1993
IRSConsistencies.rpt	87821	Sep 8	1993
IRSdocumentElements.rdt	6031	Sep 8	1993
InterfaceRequirementsSpec.rpt	123993	Sep 9	1993
RequirementsAllocation.rpt	94380	Sep 8	1993
RequirementsTraceability.rpt	69677	Sep 8	1993
SENdocumentElements.rdt	5032	Sep 8	1993
SSDDConsistencies.rpt	121910	Sep 8	1993
SSDDdocumentElements.rdt	19974	Sep 8	1993
SSSConsistencies.rpt	118905	Sep 8	1993
SSSdocumentElements.rdt	36290	Sep 8	1993
SystemEngineeringNotebook.rpt	312040	Sep 4	1993
SystemSegmentDesignDoc.rpt	214720	Sep 8	1993
SystemSegmentSpecification.rpt	179412	Sep 9	1993

Table 3. Hanford Site Technical Baseline Database, Vendor Provided Files

	<u>File Size</u>	<u>Date</u>	<u>Year</u>
Directory: twrsse:/export/apps/rdd403/SupportInfo/Pre-4.0/Support			
Compatibility.sct	537	Aug 22	1993
Directory: twrsse:/export/apps/rdd403/SupportInfo/Pre-4.0/Utilities			
3.XReportConverter.rpt	10319	Aug 25	1994
Directory: twrsse:/export/apps/rdd403/SupportInfo/TeamworkInterfaces			
Reports	512	Mar 17	1995
Utilities	512	Mar 17	1995
Directory: twrsse:/export/apps/rdd403/SupportInfo/TeamworkInterfaces/ Reports			
DataDictionary.rpt	47148	Jul 20	1993
Directory: twrsse:/export/apps/rdd403/SupportInfo/TeamworkInterfaces/ Utilities			
RDD.Cadre_config	348	Dec 15	1994
RDD.Cadre_menu	961	Dec 15	1994
RDD.Cadre_prog	49152	Sep 23	1992
Directory: twrsse:/export/apps/bin/rdd403/bin			
dec.lm.startup	8954	Sep 28	1994
dec.rdd_4.0.3	15067	Sep 28	1994
lm.startup	8881	Sep 28	1994
mips	512	Mar 17	1995
rdd403 -> rdd_4.0.3	9	Mar 17	1995
rdd_4.0.3	15079	Sep 28	1994
sun4	512	Mar 17	1995
sun4-SOL	512	Jul 7	1995
vars.rdd	8863	Dec 15	1994

Table 3. Hanford Site Technical Baseline Database, Vendor Provided Files

	<u>File Size</u>	<u>Date</u>	<u>Year</u>
Directory: twrsse:/export/apps/rdd403/bin/mips			
ALC_flex	331776	Aug 29	1994
RDD-100	1075440	Sep 8	1994
lmdown	353024	Sep 2	1994
lmgrd	270336	Jun 13	1994
lmhostid	353024	Sep 2	1994
lmremove	353024	Sep 2	1994
lmreread	353024	Sep 2	1994
lmstat	353024	Sep 2	1994

Table 3. Hanford Site Technical Baseline Database, Vendor Provided Files

	<u>File Size</u>	<u>Date</u>	<u>Year</u>
Directory: twrsse:/export/apps/rdd403/bin/sun4			
ALC_flex	262144	Aug 29	1994
RDD-100	720896	Sep 8	1994
lmdown	155648	May 24	1994
lmgrd	188416	Jun 9	1994
lmhostid	155648	May 24	1994
lmremove	155648	May 24	1994
lmreread	155648	May 24	1994
lmstat	155648	May 24	1994
Directory: twrsse:/export/bin/apps/rdd403/sun4-SOL			
ALC_flex	308028	Aug 29	1994
RDD-100	964708	Jul 7	1995
RDD-100.orig	838580	Sep 8	1994
lmdown	181436	May 24	1994
lmgrd	229088	Jun 9	1994
lmhostid	181436	May 24	1994
lmremove	181436	May 24	1994
lmreread	181436	May 24	1994
lmstat	181436	May 24	1994

Table 4. Hanford Site Technical Baseline Database - Platform

Type of computer:	Sun SPARC Station
Type of CPU:	SPARCstation 20
Operating system:	SUN OS 4.1.3 or SOLARIS 1.1.b
Minimum memory:	40 Megabytes
Minimum hard drive size:	120 Megabytes
Network:	Hanford HLAN
Tape Drive:	8 mm tape drive
Other software needs:	Newsprint software program is used for printing.