ENGINEERING CHANGE NOTICE

Page 1 of 2

1. ECN ~~648487~~Proj.
ECN

648473

B.R.J. 10/21/99

2. ECN Category (mark one)		3. Originator's Name, Organization, MSIN, and Telephone No.		4. USQ Required?	5. Date
Supplemental ☐ Direct Revision ☒ Change ECN ☐ Temporary ☐ Standby ☐ Supersedure ☐ Cancel/Void ☐		B. R. Johns, ISE, S7-24, 373-3429		☒ Yes ☐ No	10/08/99
		6. Project Title/No./Work Order No.	7. Bldg./Sys./Fac. No.	8. Approval Designator	
		Interim Stabilization, Essential Drawings, 103361	241-G/200-GEN	SQ	
		9. Document Numbers Changed by this ECN (includes sheet no. and rev.)	10. Related ECN No(s).	11. Related PO No.	
		HNF-4184, REV. 1	N/A	N/A	
12a. Modification Work		12b. Work Package No.	12c. Modification Work Completed	12d. Restored to Original Condition (Temp. or Standby ECNs only)	
☐ Yes (fill out Blk. 12b) ☒ No (NA Blks. 12b, 12c, 12d)		N/A	N/A	N/A	
		Design Authority/Cog. Engineer Signature & Date		Design Authority/Cog. Engineer Signature & Date	
13a. Description of Change		13b. Design Baseline Document? ☒ Yes ☐ No			
This ECN is a direct revision of document HNF-4184, Interim Stabilization Equipment Essential and Support Drawing List. The Essential drawing list was changed to add an elementary drawing, H-14-103538, sheet 13 to the Essential drawing list for PIC skid "L" and to add wiring diagram H-14-103538, sheet 12 to the Support drawing list.					
14a. Justification (mark one)		14b. Justification Details			
Criteria Change ☐ Design Improvement ☐ Environmental ☐ Facility Deactivation ☐ As-Found ☐ Facilitate Const. ☐ Const. Error/Omission ☐ Design Error/Omission ☒		This direct revision of HNF-4184 updates the Essential and Support drawing lists due to as-building of the Pumping Instrumentation and Control skid "L" drawings. Design verification by Informal review per HNF-IP-0842, volume IV, section 4.24. USQ tracking #TF-99-0777, revision 0. This direct revision will not change collective dose since it has no impact on radiological sources, contamination control or shielding. A NEPA review is not required since this is an administrative change per HNF-PRO-452, section 2.1, paragraph 10.			
15. Distribution (include name, MSIN, and no. of copies)				RELEASE STAMP	
O. M. Jaka S7-34 B. R. Johns S7-24 M. R. Koch S7-24 J. E. Lamphere S7-24 T. J. Volkman S7-34 W. F. Zuroff S7-24 F. A. Zak S7-34				DATE: STA: <i>X</i> ID: <i>2</i> OCT 22 1999	

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1. ECN (use no. from pg. 1)

648473

16. Design Verification Required

☒ Yes
☐ No

17. Cost Impact

ENGINEERING

Additional ☐ \$ N/A
Savings ☐ \$ N/A

CONSTRUCTION

Additional ☐ \$ N/A
Savings ☐ \$ N/A

18. Schedule Impact (days)

Improvement ☐ N/A
Delay ☐ N/A

19. 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 13. Enter the affected document number in Block 20.

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	☐	NONE	☒
Environmental Permit	☐	Inventory Adjustment Request	☐		☐

20. 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

N/A

N/A

21. Approvals

Signature	Date
Design Authority <u>WE ZUROFF</u>	<u>10/19/99</u>
Cog. Eng. <u>BR JOHNS</u>	<u>10/18/99</u>
Cog. Mgr. <u>MR KOCH</u>	<u>10/19/99</u>
QA <u>TJ VOLKMAN</u>	<u>10/20/99</u>
Safety <u>FA ZAK</u>	<u>10/20/99</u>
Environ.	
Other <u>M. OMANJAKA</u>	<u>10/11/99</u>

Signature	Date
Design Agent <u>BR JOHNS</u>	<u>10/18/99</u>
PE	
QA	
Safety	
Design	
Environ.	
Other	

DEPARTMENT OF ENERGY

Signature or a Control Number that tracks the Approval Signature

ADDITIONAL

INTERIM STABILIZATION EQUIPMENT ESSENTIAL AND SUPPORT DRAWING PLAN

M. R. KOCH

LOCKHEED MARTIN HANFORD CORPORATION

Richland, WA 99352

U.S. Department of Energy Contract DE-AC06-96RL13200

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Key Words: INTERIM STABILIZATION, SALTWELLS, SKIDS, DRAWINGS, PICS

Abstract:

This supporting document provides a list of the Essential and Support drawings for the Interim Stabilization project equipment.

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Release Approval

10/22/99
Date

Approved For Public Release

RECORD OF REVISION

(1) Document Number

HNF-4184

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(2) Title	
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INTERIM STABILIZATION EQUIPMENT ESSENTIAL AND SUPPORT DRAAWING PLAN

Change Control Record

[illegible]

HNF-4184
REVISION 2

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1. PURPOSE

The purpose of this document is to list the Interim Stabilization equipment drawings that are classified as Essential or Support drawings.

2. DEFINITION

Essential Drawings: Those drawings identified by the facility staff as necessary to directly support the safe operation of the facility or equipment. [HNF 1999a]

Support Drawings: Those drawings identified by the facility staff that further describe the design details of structures, systems or components shown on essential drawings. [HNF 1999a]

3. DRAWINGS

The Interim Stabilization drawings identified in this plan are deemed either Essential or Support drawings as defined in HNF-IP-0842, volume IV, section 4.25, paragraph 5.1.1.a, Engineering Drawings [HNF 1999a]. These drawings will be prepared, revised and maintained per HNF-PRO-440, Engineering Document Change Control [HNF 1997a]. All other Interim Stabilization drawings not listed in this plan will be considered General drawings. Section 5 lists the Essential drawings and Section 6 lists the Support drawings.

4. REVISION

Drawing lists in Section 5 and Section 6 require updating when new drawings are developed or existing drawings are evaluated and determined to be Essential or Support. Drawings on the lists are to be removed when equipment functions change or equipment is removed from service. Drawings listed as Essential in this plan, but are not stamped "ESSENTIAL" shall be upgraded to Essential by an Engineering Change Notice (ECN).

5. INTERIM STABILIZATION ESSENTIAL DRAWINGS

PUMPING AND INSTRUMENTATION CONTROL SKIDS (PICS)

DRAWING NO.	DRAWING TITLE
H-14-103530, SHT. 5	SKID 'K' PUMPING & INSTR CONTROL ARRANGEMENT
H-14-103530, SHT. 13	SKID 'K' PUMPING & INSTR CONTROL ELEMENTARY DIAGRAM
H-14-103535	P&ID SALTWELL DIP TUBE AIR & WATER SYSTEM (PICS)
H-14-103536	PANELBOARD SCHEDULE PIC SKID 'K'
H-14-103537	PANELBOARD SCHEDULE PIC SKID 'L'
H-14-103538, SHT. 5	SKID 'L' PUMPING & INSTR CONTROL ARRANGEMENT
H-14-103538, SHT. 13	SKID 'L' PUMPING & INSTR CONTROL ELEMENTARY DIAGRAM
H-14-103543	P&ID SALTWELL DIP TUBE AIR & WATER SYSTEM (PICS)
H-14-103544	PANELBOARD SCHEDULE PIC SKID 'M'
H-14-103546, SHT. 5	SKID 'M' PUMPING & INSTR CONTROL ARRANGEMENT
H-14-103551	P&ID SALTWELL DIP TUBE AIR & WATER SYSTEM (PICS)

6. INTERIM STABILIZATION SUPPORT DRAWINGS

PUMPING AND INSTRUMENTATION CONTROL SKIDS (PICS)

DRAWING NO.	DRAWING TITLE
H-14-103530, SHT 7	SKID 'K' PUMPING & INSTR CONTROL ARRANGEMENT
H-14-103530, SHT 8	SKID 'K' PUMPING & INSTR CONTROL ARRANGEMENT
H-14-103530, SHT 9	SKID 'K' PUMPING & INSTR CONTROL ARRANGEMENT
H-14-103530, SHT 10	SKID 'K' PUMPING & INSTR CONTROL ARRANGEMENT
H-14-103530, SHT 11	SKID 'K' PUMPING & INSTR CONTROL ARRANGEMENT
H-14-103530, SHT 12	SKID 'K' PUMPING & INSTR CONTROL ARRANGEMENT
H-14-103533, SHT 5	SKID 'K' LEVEL INSTR ENCL (WFIE) ARRANGEMENT
H-14-103538, SHT 7	SKID 'L' PUMPING & INSTR CONTROL ARRANGEMENT
H-14-103538, SHT 8	SKID 'L' PUMPING & INSTR CONTROL ARRANGEMENT
H-14-103538, SHT 9	SKID 'L' PUMPING & INSTR CONTROL ARRANGEMENT
H-14-103538, SHT 10	SKID 'L' PUMPING & INSTR CONTROL ARRANGEMENT
H-14-103538, SHT 11	SKID 'L' PUMPING & INSTR CONTROL ARRANGEMENT
H-14-103538, SHT 12	SKID 'L' PUMPING & INSTR CONTROL ARRANGEMENT
H-14-103541, SHT 5	SKID 'L' LEVEL INSTR ENCL (WFIE) ARRANGEMENT
H-14-103546, SHT 7	SKID 'M' PUMPING & INSTR CONTROL ARRANGEMENT
H-14-103546, SHT 8	SKID 'M' PUMPING & INSTR CONTROL ARRANGEMENT
H-14-103546, SHT 9	SKID 'M' PUMPING & INSTR CONTROL ARRANGEMENT
H-14-103546, SHT 10	SKID 'M' PUMPING & INSTR CONTROL ARRANGEMENT
H-14-103546, SHT 11	SKID 'M' PUMPING & INSTR CONTROL ARRANGEMENT
H-14-103549, SHT 5	SKID 'M' LEVEL INSTR ENCL (WFIE) ARRANGEMENT

7. REFERENCES

HNF 1997a, HNF-PRO-440, REV. 1, *ENGINEERING DOCUMENT CHANGE CONTROL REQUIREMENTS*, Fluor Daniel Hanford, Inc, Richland, WA.

HNF 1999a, HNF-IP-0842, VOLUME IV, SECTION 4.25, REV. 0, *ENGINEERING DRAWINGS*, Lockheed Martin Hanford Corporation, Richland, WA.

[illegible]