S

ENGINEERING CHANGE NOTICE

Page 1 of 2

1. ECN 629594

Proj.
ECN

2. ECN Category (mark one) Supplemental ☐ Direct Revision ☒ Change ECN ☐ Temporary ☐ Standby ☐ Supersedeure ☐ Cancel/Void ☐		3. Originator's Name, Organization, MSIN, and Telephone No. B. R. Johns, ISE, S7-24, 373-3429		4. USQ Required? ☒ Yes ☐ No	5. Date 01/19/00
		6. Project Title/No./Work Order No. Interim Stabilization, Essential Drawings, 103361	7. Bldg./Sys./Fac. No. 241-G/200-GEN	8. Approval Designator N/A	
		9. Document Numbers Changed by this ECN (includes sheet no. and rev.) HNF-4184, REV. 3A to 1-28-01.	10. Related ECN No(s). N/A	11. Related PO No. N/A	
12a. Modification Work ☐ Yes (fill out Blk. 12b) ☒ No (NA Blks. 12b, 12c, 12d)	12b. Work Package No. N/A	12c. Modification Work Completed N/A Design Authority/Cog. Engineer Signature & Date		12d. Restored to Original Condition (Temp. or Standby ECNs only) N/A Design Authority/Cog. Engineer Signature & Date	
13a. Description of Change This ECN is a direct revision of document HNF-4184, Interim Stabilization Equipment Essential and Support Drawing List. Drawing number typos were corrected on the last two drawings on the Essential Drawing list for PIC skid "Q".					
13b. Design Baseline Document? ☒ Yes ☐ No					
14a. Justification (mark one) Criteria Change ☒ Design Improvement ☐ Environmental ☐ Facility Deactivation ☐ As-Found ☐ Facilitate Const. ☐ Const. Error/Omission ☐ Design Error/Omission ☐					
14b. Justification Details This direct revision of HNF-4184 corrects the Essential drawing list due to typos on two drawing numbers. Design verification by Informal review per HNF-IP-0842, volume IV, section 4.24. USQ tracking #TF-96-0690, revision 2, categorical exclusion for to correct typographical errors. 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) 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				RELEASE STAMP DATE: STA: 4 HANFORD RELEASE JAN 28 2000 ID: 2	

ENGINEERING CHANGE NOTICE

Page 2 of 2

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

633152 629594 1/19/00

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

Signature

Date

Design Authority WF ZUROFF

Cog. Eng. BR JOHNS

Cog. Mgr. MR KOCH

QA N/A

Safety N/A

Environ. N/A

Other Informal Review: D. DeLd

1/26/00

1/19/00

1/20/00

1/26/00

1/20/00

Design Agent BR JOHNS

PE

QA

Safety

Design

Environ.

Other

1/19/00

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

CH2M HILL HANFORD GROUP, INC

Richland, WA 99352

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

EDT/ECN: 629594

UC:

Org Code: 74D00

Charge Code: 103361

B&R Code: EW3120071

Total Pages: 8

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.

TRADEMARK DISCLAIMER. Reference herein to any specific commercial product, process, or service by trade name, trademark, manufacturer, or otherwise, does not necessarily constitute or imply its endorsement, recommendation, or favoring by the United States Government or any agency thereof or its contractors or subcontractors.

Printed in the United States of America. To obtain copies of this document, contact: Document Control Services, P.O. Box 950, Mailstop H6-08, Richland WA 99352, Phone (509) 372-2420; Fax (509) 376-4989.

Release Approval

1/27/00
Date

Approved For Public Release

RECORD OF REVISION

(1) Document Number

HNF-4184

Page 1

(2) Title

INTERIM STABILIZATION EQUIPMENT ESSENTIAL AND SUPPORT DRAWING PLAN

Change Control Record

[illegible]

HNF-4184
REVISION 5

TABLE OF CONTENTS

1.	PURPOSE.....	2
2.	DEFINITION.....	2
3.	DRAWINGS.....	2
4.	REVISION.....	2
5.	INTERIM STABILIZATION ESSENTIAL DRAWINGS	3
6.	INTERIM STABILIZATION SUPPORT DRAWINGS.....	4
7.	REFERENCES	6

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-1819, PHMC Engineering Requirements [HNF 1999b]. 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-14-103546, SHT. 13	SKID 'M' PUMPING & INSTR CONTROL ELEMENTARY DIAGRAM
H-14-103551, SHT 1, 2	P&ID SALTWELL DIP TUBE AIR & WATER SYSTEM (PICS)
H-14-103784, SHT. 5	SKID "N" PUMPING & INSTR CONTROL ARRANGEMENT
H-14-103784, SHT. 13	SKID "N" PUMPING & INSTR CONTROL ARRANGEMENT
H-14-103789, SHT. 1	SKID "N" P&ID SALTWELL DIP TUBE AIR & WATER SYS (PICS)
H-14-103790, SHT. 1	PANELBOARD SCHEDULE PIC SKID "N"
H-14-103791, SHT. 5	SKID "P" PUMPING & INSTR CONTROL ARRANGEMENT
H-14-103791, SHT. 13	SKID "P" PUMPING & INSTR CONTROL ARRANGEMENT
H-14-103796, SHT. 1	SKID "P" P&ID SALTWELL DIP TUBE AIR & WATER SYS (PICS)
H-14-103797, SHT. 1	PANELBOARD SCHEDULE PIC SKID "P"
H-14-103798, SHT. 5	SKID "Q" PUMPING & INSTR CONTROL ARRANGEMENT
H-14-103798, SHT. 13	SKID "Q" PUMPING & INSTR CONTROL ARRANGEMENT
H-14-1038, SHT. 1	SKID "Q" P&ID SALTWELL DIP TUBE AIR & WATER SYS (PICS)
H-14-1038, SHT. 1	PANELBOARD SCHEDULE PIC SKID "Q"

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-14-103546, SHT 12	SKID 'M' PUMPING & INSTR CONTROL ARRANGEMENT
H-14-103549, SHT 5	SKID 'M' LEVEL INSTR ENCL (WFIE) ARRANGEMENT
H-14-103784, SHT 7	SKID "N" PUMPING & INSTR CONTROL ARRANGEMENT
H-14-103784, SHT 8	SKID "N" PUMPING & INSTR CONTROL ARRANGEMENT
H-14-103784, SHT 9	SKID "N" PUMPING & INSTR CONTROL ARRANGEMENT
H-14-103784, SHT 10	SKID "N" PUMPING & INSTR CONTROL ARRANGEMENT
H-14-103784, SHT 11	SKID "N" PUMPING & INSTR CONTROL ARRANGEMENT
H-14-103784, SHT 12	SKID "N" PUMPING & INSTR CONTROL ARRANGEMENT
H-14-103787, SHT 5	SKID "N" LEVEL INSTR ENCL (WFIE) ARRANGEMENT
H-14-103791, SHT 7	SKID "P" PUMPING & INSTR CONTROL ARRANGEMENT
H-14-103791, SHT 8	SKID "P" PUMPING & INSTR CONTROL ARRANGEMENT
H-14-103791, SHT 9	SKID "P" PUMPING & INSTR CONTROL ARRANGEMENT
H-14-103791, SHT 10	SKID "P" PUMPING & INSTR CONTROL ARRANGEMENT
H-14-103791, SHT 11	SKID "P" PUMPING & INSTR CONTROL ARRANGEMENT
H-14-103791, SHT 12	SKID "P" PUMPING & INSTR CONTROL ARRANGEMENT
H-14-103794, SHT 5	SKID "P" LEVEL INSTR ENCL (WFIE) ARRANGEMENT
H-14-103798, SHT 7	SKID "Q" PUMPING & INSTR CONTROL ARRANGEMENT
H-14-103798, SHT 8	SKID "Q" PUMPING & INSTR CONTROL ARRANGEMENT
H-14-103798, SHT 9	SKID "Q" PUMPING & INSTR CONTROL ARRANGEMENT

HNF-4184
REVISION 5

DRAWING NO.	DRAWING TITLE
H-14-103798, SHT 10	SKID "Q" PUMPING & INSTR CONTROL ARRANGEMENT
H-14-103798, SHT 11	SKID "Q" PUMPING & INSTR CONTROL ARRANGEMENT
H-14-103798, SHT 12	SKID "Q" PUMPING & INSTR CONTROL ARRANGEMENT
H-14-103801, SHT 5	SKID "Q" LEVEL INSTR ENCL (WFIE) ARRANGEMENT

7. REFERENCES

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

HNF 1999b, HNF-PRO-1819, REV. 3, *PHMC ENGINEERING REQUIREMENTS*, Fluor Daniel Hanford, Inc, Richland, WA.