

ENGINEERING CHANGE NOTICE

Page 1 of 21. ECN **648491**Proj.
ECN

| | | | | | |
|--|--|---|----------------------------------|--|----------|
| 2. ECN Category (mark one) | | 3. Originator's Name, Organization, MSIN, and Telephone No. | | 4. USQ Required? | 5. Date |
| Supplemental <input type="radio"/> Direct Revision <input checked="" type="radio"/> Change ECN <input type="radio"/> Temporary <input type="radio"/> Standby <input type="radio"/> Supersedure <input type="radio"/> Cancel/Void <input type="radio"/> | | B. R. Johns, ISE, S7-24, 373-3429 | | <input checked="" type="radio"/> Yes <input type="radio"/> No | 10/23/99 |
| | | 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. 2 | 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) | |
| <input type="radio"/> Yes (fill out Blk. 12b) <input checked="" type="radio"/> 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 | | | | | |
| This ECN is a direct revision of document HNF-4184, Interim Stabilization Equipment Essential and Support Drawing List. The Essential drawing list was updated to include the elementary diagrams for skids "M" and "N"; the P&ID, the one-line and panelboard schedule for skid "N". The support drawing list was updated with wiring diagram drawings for PIC skids "M" and "N". | | | | | |
| 13b. Design Baseline Document? <input checked="" type="radio"/> Yes <input type="radio"/> No | | | | | |
| 14a. Justification (mark one) | | | | | |
| Criteria Change <input checked="" type="radio"/> Design Improvement <input type="radio"/> Environmental <input type="radio"/> Facility Deactivation <input type="radio"/> As-Found <input type="radio"/> Facilitate Const. <input type="radio"/> Const. Error/Omission <input type="radio"/> Design Error/Omission <input type="radio"/> | | | | | |
| 14b. Justification Details | | | | | |
| This direct revision of HNF-4184 updates the Essential and Support drawing lists due to construction of the Pumping Instrumentation and Control skids "M" and "N". Design verification by Informal review per HNF-IP-0842, volume IV, section 4.24. USQ tracking #TF-99-0890, 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: <u>4</u> NOV 17 1999 HANFORD RELEASE NO: <u>2</u> | |

ENGINEERING CHANGE NOTICE

Page 2 of 2

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

648491

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 | <input type="checkbox"/> | Seismic/Stress Analysis | <input type="checkbox"/> | Tank Calibration Manual | <input type="checkbox"/> |
| Functional Design Criteria | <input type="checkbox"/> | Stress/Design Report | <input type="checkbox"/> | Health Physics Procedure | <input type="checkbox"/> |
| Operating Specification | <input type="checkbox"/> | Interface Control Drawing | <input type="checkbox"/> | Spares Multiple Unit Listing | <input type="checkbox"/> |
| Criticality Specification | <input type="checkbox"/> | Calibration Procedure | <input type="checkbox"/> | Test Procedures/Specification | <input type="checkbox"/> |
| Conceptual Design Report | <input type="checkbox"/> | Installation Procedure | <input type="checkbox"/> | Component Index | <input type="checkbox"/> |
| Equipment Spec. | <input type="checkbox"/> | Maintenance Procedure | <input type="checkbox"/> | ASME Coded Item | <input type="checkbox"/> |
| Const. Spec. | <input type="checkbox"/> | Engineering Procedure | <input type="checkbox"/> | Human Factor Consideration | <input type="checkbox"/> |
| Procurement Spec. | <input type="checkbox"/> | Operating Instruction | <input type="checkbox"/> | Computer Software | <input type="checkbox"/> |
| Vendor Information | <input type="checkbox"/> | Operating Procedure | <input type="checkbox"/> | Electric Circuit Schedule | <input type="checkbox"/> |
| OM Manual | <input type="checkbox"/> | Operational Safety Requirement | <input type="checkbox"/> | ICRS Procedure | <input type="checkbox"/> |
| FSAR/SAR | <input type="checkbox"/> | IEFD Drawing | <input type="checkbox"/> | Process Control Manual/Plan | <input type="checkbox"/> |
| Safety Equipment List | <input type="checkbox"/> | Cell Arrangement Drawing | <input type="checkbox"/> | Process Flow Chart | <input type="checkbox"/> |
| Radiation Work Permit | <input type="checkbox"/> | Essential Material Specification | <input type="checkbox"/> | Purchase Requisition | <input type="checkbox"/> |
| Environmental Impact Statement | <input type="checkbox"/> | Fac. Proc. Samp. Schedule | <input type="checkbox"/> | Tickler File | <input type="checkbox"/> |
| Environmental Report | <input type="checkbox"/> | Inspection Plan | <input type="checkbox"/> | NONE | <input checked="" type="checkbox"/> |
| Environmental Permit | <input type="checkbox"/> | Inventory Adjustment Request | <input type="checkbox"/> | | <input type="checkbox"/> |

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 11/15/99

Cog. Eng. BR JOHNS 11/11/99

Cog. Mgr. MR KOCH 11/11/99

QA TJ VOLKMAN 11/14/99

Safety FA ZAK 11/16/99

Environ. N/A

Other Informal Review: OMAR M. JAKA 11/13/99

Design Agent BR JOHNS 11/11/99

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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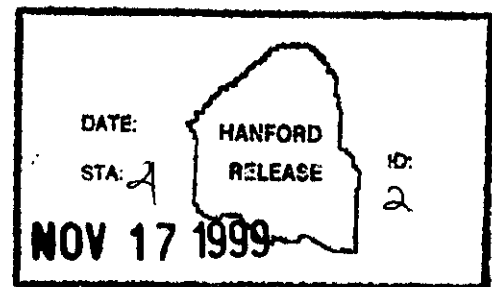
Abstract:

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

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Release/Approval 11/16/99
Date



Release Stamp

Approved For Public Release

HNF-4184
REVISION 3

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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-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 | 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' |
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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 |
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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.