

ENGINEERING CHANGE NOTICE

1. ECN **650108**

Proj.
ECN

2. ECN Category (mark one) Supplemental <input type="checkbox"/> Direct Revision <input checked="" type="checkbox"/> Change ECN <input type="checkbox"/> Temporary <input type="checkbox"/> Standby <input type="checkbox"/> Supersedure <input type="checkbox"/> Cancel/Void <input type="checkbox"/>	3. Originator's Name, Organization, MSIN, and Telephone No. M.A. WHITE, 08E00, B4-51, 372-2144	4. USQ Required? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5. Date September 17, 1998
	6. Project Title/No./Work Order No. Characterization Project	7. Bldg./Sys./Fac. No. 200 G	8. Approval Designator NA
	9. Document Numbers Changed by this ECN (includes sheet no. and rev.) HNF-3240, R0	10. Related ECN No(s). N/A	11. Related PO No. N/A

12a. Modification Work <input type="checkbox"/> Yes (fill out Blk. 12b) <input checked="" type="checkbox"/> No (NA Blks. 12b, 12c, 12d)	12b. Work Package No. N/A	12c. Modification Work Complete N/A Design Authority/Cog. Engineer Signature & Date	12d. Restored to Original Condition (Temp. or Standby ECN only) N/A Design Authority/Cog. Engineer Signature & Date
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13a. Description of Change
ETN-97-0013

13b. Design Baseline Document? Yes No

HNF-3240 R0 "CHARACTERIZATION EQUIPMENT ESSENTIAL DRAWING PLAN" PAGE 2 SECTION 5.1

ADD:

H-2-690314/1-5 Drill String Arrangements RMCST
 H-2-821457/1-6 Drill String Arrangements Truck #2
 H-2-829134/1 Piping and Instrumentation Diag (RMCST Exhauster B)
 H-2-829139/1-3 Exhauster Electrical Interconnect Diagram (RMCST Exhauster B)

14a. Justification (mark one)

Criteria Change <input checked="" type="checkbox"/>	Design Improvement <input type="checkbox"/>	Environmental <input type="checkbox"/>	Facility Deactivation <input type="checkbox"/>
As-Found <input type="checkbox"/>	Facilitate Const <input type="checkbox"/>	Const. Error/Omission <input type="checkbox"/>	Design Error/Omission <input type="checkbox"/>

14b. Justification Details

THE ABOVE DRAWINGS WERE IDENTIFIED IN HNF-2305 "DRAWING EVALUATION REPORT FOR SAMPLING EQUIPMENT" AS REQUIRING UPGRADE TO ESSENTIAL STATUS.

THIS ECN IS COVERED BY USQ TF-96-0690 REV 2 (MODIFYING NON-TECHNICAL INFORMATION).

THIS MODIFICATION WILL NOT CHANGE COLLECTIVE DOSE SINCE IT HAS NO IMPACT ON RADIOLOGICAL SOURCES, CONTAMINATION CONTROL, OR SHEILDING.

15. Distribution (include name, MSIN, and no. of copies)

M. E. Beaver	S7-12	1 COPY	M. L. McElroy	S7-07	1 COPY
R. N. Dale	S7-12	1 COPY	E. E. Salinas	S7-12	1 COPY
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RELEASE STAMP

DATE **SEP 28 1998**

STA: **4**

HANFORD
RELEASE

ID: **58**

ENGINEERING CHANGE NOTICE

Page 2 of 2

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

650108

16. Design Verification Required <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	17. Cost Impact <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">ENGINEERING</td> <td style="width: 50%; text-align: center;">CONSTRUCTION</td> </tr> <tr> <td>Additional <input type="checkbox"/> [N/A] \$</td> <td>Additional <input type="checkbox"/> [N/A] \$</td> </tr> <tr> <td>Savings <input type="checkbox"/> \$</td> <td>Savings <input type="checkbox"/> \$</td> </tr> </table>	ENGINEERING	CONSTRUCTION	Additional <input type="checkbox"/> [N/A] \$	Additional <input type="checkbox"/> [N/A] \$	Savings <input type="checkbox"/> \$	Savings <input type="checkbox"/> \$	18. Schedule Impact (days) Improvement <input type="checkbox"/> [N/A] Delay <input type="checkbox"/>
ENGINEERING	CONSTRUCTION							
Additional <input type="checkbox"/> [N/A] \$	Additional <input type="checkbox"/> [N/A] \$							
Savings <input type="checkbox"/> \$	Savings <input type="checkbox"/> \$							

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"/>		<input type="checkbox"/>
Environmental Permit	<input type="checkbox"/>	Inventory Adjustment Request	<input type="checkbox"/>	None	<input checked="" 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 G.P. Janicek <i>G.P. Janicek</i>	<i>9/24/98</i>	Design Agent	_____
Cog. Eng. R. J. Walde <i>R.J. Walde</i>	<i>9/23/98</i>	PE	_____
Cog. Mgr. J.S. Schofield <i>John Schofield</i>	<i>9/24/98</i>	QA	_____
QA	_____	Safety	_____
Safety	_____	Design	_____
Environ.	_____	Environ.	_____
Other	_____	Other	_____
Informal Rev. G. W. Wilson <i>G.W. Wilson</i>	<i>9/21/98</i>	DEPARTMENT OF ENERGY	
Proj. Mgr. C.E. Hanson <i>C.E. Hanson</i>	<i>9/24/98</i>	Signature or a Control Number that tracks the Approval Signature	
Design Eng. M. A. White <i>M.A. White</i>	<i>9/21/98</i>	_____	
	_____	<u>ADDITIONAL</u>	
	_____	_____	
	_____	_____	

CHARACTERIZATION EQUIPMENT ESSENTIAL DRAWING PLAN

G. W. Wilson
COGEMA Engineering Corp., Richland, WA 99352
U.S. Department of Energy Contract DE-AC06-96RL13200

7-29-98

EDT/ECN: ~~622087~~ *650108* UC: 2070
Org Code: 08E00 Charge Code: N4H2H
B&R Code: EW3120074 Total Pages: 4

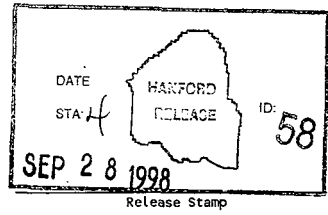
Key Words: Essential, Characterization, Essential drawing list

Abstract: This supporting document provides a detailed list of the Essential drawings for Characterization equipment drawings.

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[Signature] *9/25/98*
Release Approval Date



Approved for Public Release

RECORD OF REVISION

(1) Document Number

HNF-3241

Page 1

(2) Title
Characterization Equipment Essential Drawing Plan

CHANGE CONTROL RECORD

(3) Revision	(4) Description of Change - Replace, Add, and Delete Pages	Authorized for Release		
		(5) Cog. Engr.	(6) Cog. Mgr.	Date
	(7) HNF-3240 R0 "Characterization Equipment Essential Drawing Plan", EDT-622087, 08/20/98	R.N. Dale 08/18/98	J.S. Schofield 08/18/98	
1 RS	Incorporate ECN-650108 to change Page 2. Section 5.1, ADD drawing H-2-690134/1-5, H-2-821457/1-6, H-2-829134/1, and H-2-829139/1-3	<i>R.N. Dale 9/23/98</i>	<i>J.S. Schofield</i> 9/25/98	

CONTENTS

1.0 PURPOSE 1

2.0 DEFINITION 1

3.0 DRAWINGS 1

4.0 REVISION 1

5.0 CHARACTERIZATION EQUIPMENT ESSENTIAL DRAWINGS 2

 5.1 CORE SAMPLING EQUIPMENT DRAWINGS LIST 2

 5.2 LIGHT DUTY UTILITY ARM (LDUA) DRAWINGS LIST 2

 5.3 OTHER SAMPLING EQUIPMENT DRAWINGS LIST 2

6.0 REFERENCES 2

1.0 PURPOSE

The purpose of this document is to list the Characterization equipment drawings that are classified as Essential Drawings.

2.0 DEFINITION

Essential Drawings: Are those drawings identified by the facility staff as necessary to directly support the safe operation of the facility or equipment (HNF 1997a).

3.0 DRAWINGS

The Characterization equipment drawings identified in this report are deemed essential drawings as defined in HNF-PRO-242, Engineering Drawing Requirements (HNF 1997a). These drawings will be prepared, revised, and maintained per HNF-PRO-440, Engineering Document Change Control (HNF 1997b). All other Characterization equipment drawings not identified in this document will be considered Support drawings until the Characterization Equipment Drawing Evaluation Report is completed.

4.0 REVISION

This drawing list is required to be updated when new, modified, or deleted safety systems and/or equipment are identified. The original vellums shall be identified as Essential Drawings during any subsequent revision.

5.0 CHARACTERIZATION EQUIPMENT ESSENTIAL DRAWINGS

5.1 CORE SAMPLING EQUIPMENT DRAWINGS LIST

H-2-85327/4	Panelboard Schedule, Electrical Distribution Trailer #1
H-2-85327/5	Panelboard Schedule, Electrical Distribution Trailer #2
H-2-690134/1-5	Drill String Arrangements RMCST
H-2-821457/1-6	Drill String Arrangements Truck #2
H-2-829134/1	Piping And Instrumentation Diag (RMCST Exhauster B)
H-2-829139/1-3	Exhauster Electrical Interconnect Diagram (RMCST Exhauster B)

5.2 LIGHT DUTY UTILITY ARM (LDUA) DRAWINGS LIST

H-6-14055/1	LDUA System Block Diagram
H-6-14109/1	LDUA System Power Distribution One-Line Diagram
H-6-14111/1	LDUA System Power Distribution Skid One-Line Diagram & Details
H-6-14126/1,2	ATIE Elementary Diagram and Panelboard Schedule
H-6-14131/1,2	At-Tank Instrument Enclosure (ATIE) Interconnection Diagram
H-6-14150/1,2	Pneumatic System P&ID (LDUA)
H-6-14172/3	Power Interface Module (LDUA), One Line Diagram
H-6-14175/1,2	LDUA Truck Power Purge Elementary
H-6-14176/1,2	LDUA In Tank Materials
H-6-14177/1,2	LDUA Outtrigger Hydraulic Schematic
H-6-14340/1-13	Decon Module Assembly

5.3 OTHER SAMPLING EQUIPMENT DRAWINGS LIST

None

6.0 REFERENCES

HNF 1997a, HNF-PRO-242, Rev. 1, *Engineering Drawing Requirements*, Fluor Daniel Hanford, Inc., Richland, WA.

HNF 1997b, HNF-PRO-440, Rev. 1, *Engineering Document Change Control Requirements*, Fluor Daniel Hanford, Inc., Richland, WA.