

S	ENGINEERING CHANGE NOTICE	1 ECN 655666 Proj ECN
Page 1 of <u>2</u>		

2 ECN Category (mark one) 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"/>	3 Originator's Name Organization MSIN and Telephone No RW Whitlock / SW / T4-03 / 373-1737 6 Project Title/No /Work Order No Central Waste Complex Safety Equipment List 9 Document Numbers Changed by this ECN (includes sheet no and rev) WHC-SD-WM-SEL-009, Rev 4	4 USQ Required? <input type="radio"/> Yes <input checked="" type="radio"/> No 7 Bldg /Sys /Fac No CWC 10 Related ECN No(s) NA	5 Date January 10, 2000 8 Approval Designator NA 11 Related PO No NA
12a Modification Work <input type="radio"/> Yes (fill out Blk 12b) <input checked="" type="radio"/> No (NA Blks 12b 12c 12d)	12b Work Package No NA	12c Modification Work Completed NA Design Authority/Cog Engineer Signature & Date	12d Restored to Original Condition (Temp or Standby ECNs only) NA Design Authority/Cog Engineer Signature & Date

13a Description of Change Revised document to show new definitions from Safety Class 1, 2, and 3 to Safety Class and Safety Significant	13b Design Baseline Document? <input checked="" type="radio"/> Yes <input type="radio"/> No
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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 Document needed updating Definitions of Safety Class had changed
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15 Distribution (include name MSIN and no of copies) RW Whitlock T4-03 Central Files A3-88 B1-07	RELEASE STAMP <div style="border: 2px solid black; padding: 10px; display: inline-block;"> JAN 20 2000 DATE. STA. 5 <div style="border: 1px solid black; padding: 5px; display: inline-block;"> HANFORD RELEASE </div> <div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center; margin-left: 10px;"> 12 ID </div> </div>
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ENGINEERING CHANGE NOTICE

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1 ECN (use no from pg 1)

655666

16 Design Verification Required

☐ Yes

☒ No

17 Cost Impact

ENGINEERING

Additional ☐ \$ _____

Savings ☐ \$ _____

CONSTRUCTION

Additional ☐ \$ _____

Savings ☐ \$ _____

18 Schedule Impact (days)

Improvement ☐ _____

Delay ☐ _____

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"/>		<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

NA

21 Approvals

Signature

Date

Signature

Date

Design Authority RW Whitlock

Cog Eng RW Whitlock

Cog Mgr JR Rosser

QA

Safety

Environ

Other

Design Agent

PE

QA

Safety

Design

Environ

Other

DEPARTMENT OF ENERGY

Signature or a Control Number that tracks the Approval Signature

ADDITIONAL

S

Central Waste Complex Safety Equipment List

R W Whitlock
Fluor Hanford
Richland, WA 99352
U S Department of Energy Contract DE-AC06 96RL13200

EDT/ECN	655666	UC	512
Org Code	WK000000	Charge Code	101618
B&R Code	EW3130020	Total Pages	5

Key Words Central Waste Complex, Safety Equipment, Safety Class

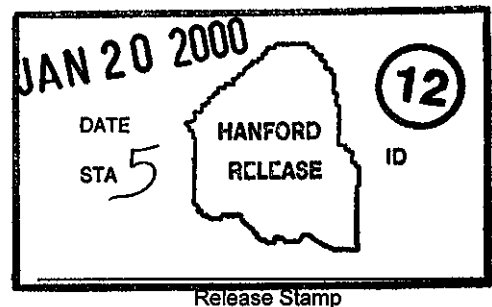
Abstract This document lists all safety equipment for the Central Waste Complex, per HNF-PRO-704

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Release Approval

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Date



Approved For Public Release

1 0 PURPOSE

This document provides a list of structures, systems, and components that are essential to the continuing safe operation of the Central Waste Complex, as designated by the applicable facility management and the cognizant engineer

2 0 CRITERIA

A system for identification and classification of safety related equipment is established in HNF-PRO-704, *Hazard and Accident Analysis Process*. Use of this system is required to ensure proper specification of design and quality requirement for safety related equipment

Structures, systems, and components required for safety are to be classified relative to their importance to safety and environmental protection

SAFETY CLASS SSC

Description A SSC whose preventive or mitigative function is necessary to keep radiological exposure to within the offsite radiological risk guidelines, or to prevent a nuclear criticality

SAFETY SIGNIFICANT SSC

Description A SSC whose preventive or mitigative function is necessary to keep hazardous material exposure to within the radiological and toxic chemical risk guidelines, or is otherwise considered significant in maintaining defense-in-depth and worker safety

3 0 SAFETY EQUIPMENT LIST

3 1 FIRE PROTECTION SYSTEM

3 1 1 Description

Fire protection at the Central Waste Complex is provided by an automatic dry-pipe sprinkler system and an early warning detection system using ionization type smoke detectors

3 1 2 Safety Classification

The safety classification of the fire system for the Central Waste Complex is "Non-Safety Class "

3 1 3 Justification

The fire protection structures, systems, and components are controlled through an institutional safety program. Fire Maintenance performs preventative maintenance on the fire system components to ensure its operability.

3 2 CONFINEMENT SYSTEM

3 2 1 Description

The confinement systems are a combination of 15.5 cm (6 inch) high perimeter curbs and sloped floors. There are no penetrations or drains in the floors or curbs. Sealed sumps are provided in some buildings for liquid collection. The concrete floor is smooth and finished with a chemically resistant epoxy sealer.

3 2 2 Safety Classification

The safety classification of the confinement systems for the Central Waste Complex is "Non Safety Class "

3 2 3 Justification

The confinement system structures, systems, and components are not necessary to prevent an acute fatality or serious injury to facility workers. The confinement system is used to prevent a release of mixed waste to the environment.

4 0 SAFETY CLASSIFICATION OF STRUCTURES, SYSTEMS, and COMPONENTS

Currently there are no structures, systems, or components in the Central Waste Complex that meets the Safety Class or Safety Significant criteria

5 0 REFERENCES

HNF-PRO-097, *Engineering Design and Evaluation*

HNF-PRO-244, *Engineering Data Transmittal Requirements*

HNF-PRO-440, *Engineering Document Change Control Requirements*

HNF-PRO-488, *Repair of ASME-Coded Pressure Systems*

HNF-PRO-704, *Hazard and Accident Analysis Process*

HNF-PRO-709, *Preparation and Control Standards for Engineering Drawings*

HNF-PRO-1819, *PHMC Engineering Requirements*