DISTRIBUTION SHEET

To	From	Page 1 of 1
Distribution	PUREX/UO ₃ Technical Safety Support	Date November 30, 1994
Project Title/Work Order -SE WHC-SD-REL-001 Rev 2, "PUREX Plant Safety Equipment List For DEACTIVATION"		EDT No. 607489
		ECN No. 613885

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ENGINEERING CHANGE NOTICE

Page 1 of 21. ECN 613885Proj.
ECN

2. ECN Category (mark one) Supplemental ☐ Direct Revision ☒ Change ECN ☐ Temporary ☐ Standby ☐ Supersedure ☐ Cancel/Void ☐ <i>RFW dx 11/30/94</i>	3. Originator's Name, Organization, MSIN, and Telephone No. R. L. Walser, PUREX/UO ₃ Technical Safety Support, S6-19, 373-3522		4. Date 11/7/94										
	5. Project Title/No./Work Order No. PUREX DEACTIVATION	6. Bldg./Sys./Fac. No. PUREX/202A	7. Approval Designator S										
	8. Document Numbers Changed by this ECN (includes sheet no. and rev.) WHC-SD-RE-SEL-001 Rev 1	9. Related ECN No(s). NA	10. Related PO No. NA										
11a. Modification Work [] Yes (fill out Blk. 11b) [X] No (NA Blks. 11b, 11c, 11d)	11b. Work Package No. NA	11c. Modification Work Complete NA _____ Cog. Engineer Signature & Date	11d. Restored to Original Condition (Temp. or Standby ECN only) NA _____ Cog. Engineer Signature & Date										
12. Description of Change The document is extensively revised to list only the Safety Class 1 and 2 equipment applicable for DEACTIVATION. Change bars are not shown due to the extent of the revision.													
13a. Justification (mark one) <table border="0"> <tr> <td>Criteria Change [X]</td> <td>Design Improvement []</td> <td>Environmental []</td> </tr> <tr> <td>As-Found []</td> <td>Facilitate Const. []</td> <td>Const. Error/Omission []</td> </tr> <tr> <td></td> <td></td> <td>Design Error/Omission []</td> </tr> </table>					Criteria Change [X]	Design Improvement []	Environmental []	As-Found []	Facilitate Const. []	Const. Error/Omission []			Design Error/Omission []
Criteria Change [X]	Design Improvement []	Environmental []											
As-Found []	Facilitate Const. []	Const. Error/Omission []											
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13b. Justification Details See block 12.													
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A-7900-013-1 (04/94)

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

15. Design Verification Required	16. Cost Impact				17. Schedule Impact (days)	
	ENGINEERING		CONSTRUCTION			
	Additional	[NA] \$	Additional	[NA] \$	Improvement	[NA]
☒ No	Savings	[NA] \$	Savings	[NA] \$	Delay	[NA]

RELEASE AUTHORIZATION

Document Number: WHC-SD-RE-SEL-001, REV 2

Document Title: PUREX Plant Safety Equipment List For DEACTIVATION

Release Date: 11/30/94

**This document was reviewed following the
procedures described in WHC-CM-3-4 and is:**

APPROVED FOR PUBLIC RELEASE

WHC Information Release Administration Specialist:

Kara M. Broz

November 30, 1994

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SUPPORTING DOCUMENT		1. Total Pages 6
2. Title PUREX Plant Safety Equipment List For DEACTIVATION	3. Number WHC-SD-RE-SEL-001	4. Rev No. 2
5. Key Words PUREX, Safety, Equipment, List, DEACTIVATION	6. Author Name: R. L. Walser Signature PUREX/UO, Technical Safety Support/17700 Organization/Charge Code	
<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: left;"> <i>KMB 11/30/94</i> </div> <div style="border: 1px solid black; padding: 10px; background-color: white;"> APPROVED FOR PUBLIC RELEASE </div> </div>		
7. Abstract <p>This document provides a list of equipment and/or systems essential to the continuing safety of the PUREX facility during DEACTIVATION. The basis for the list is provided in WHC-SD-RD-022 Rev 1. Equipment selection is based on WHC-CM-1-3, MRP 5.46 as implemented by WHC-CM-4-46, Section 9.0.</p>		
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		8. RELEASE STAMP <div style="border: 1px solid black; padding: 10px; text-align: center;"> OFFICIAL RELEASE BY WHC DATE NOV 30 1994 <i>Att. 4</i> </div>

[illegible]

WHC-SD-RE-SEL-001 Rev 2
PUREX PLANT SAFETY EQUIPMENT LIST FOR DEACTIVATION

This document provides a list of equipment and/or systems essential to the continuing safety of the PUREX facility during DEACTIVATION. The basis for the safety equipment list (SEL) is provided in WHC-SD-RD-022 Rev 1. Equipment selection is based on WHC-CM-1-3, MRP 5.46 as implemented by WHC-CM-4-46, Section 9.0.

Format

The safety equipment list is divided into two sections: (1) Process Equipment and (2) Process Instrumentation. As explained below, only section (1) is included in this document.

- (1) Process Equipment - The SEL includes each piece of safety class 1 and 2 equipment number, equipment name, safety class, and the WHC-CM-4-46 criteria for being included on the list.
- (2) Process Instrumentation - Safety class instrumentation is defined in the Component Based Recall System (CBRS) data base and controlled per CBRS procedures in WHC-CM-8-7. All instruments identified as Safety Class 1 or 2 are considered part of the safety equipment list. [Instruments required to maintain parameters within Operational Safety Requirements (OSR) are Safety Class 2.]

WHC-SD-RE-SEL-001 Rev 2
PUREX PLANT SAFETY EQUIPMENT LIST FOR DEACTIVATION

PUREX Plant Safety Equipment List for DEACTIVATION			
EQUIPMENT NUMBER	EQUIPMENT NAME	CRI-TERIA	SAFE. CLASS
FH-V11-4-1	CANYON EXHAUST FINAL STAGE HEPA FILTER	20	1
FH-V11-4-2	CANYON EXHAUST FINAL STAGE HEPA FILTER	20	1
FH-V11-4-3	CANYON EXHAUST FINAL STAGE HEPA FILTER	20	1
FH-V11-4-4	CANYON EXHAUST FINAL STAGE HEPA FILTER	20	1
FH-V11-4-5	CANYON EXHAUST FINAL STAGE HEPA FILTER	20	1
FH-V11-4-6	CANYON EXHAUST FINAL STAGE HEPA FILTER	20	1
FH-V11-4-7	CANYON EXHAUST FINAL STAGE HEPA FILTER	20	1
FH-V11-4-8	CANYON EXHAUST FINAL STAGE HEPA FILTER	20	1
FH-V11-4-9	CANYON EXHAUST FINAL STAGE HEPA FILTER	20	1
FH-V11-4-10	CANYON EXHAUST FINAL STAGE HEPA FILTER	20	1
FH-V21-1	PR EXHAUST FINAL STAGE HEPA FILTER	20	1
FH-V21-1A	PR EXHAUST FINAL STAGE HEPA FILTER	20	1
FH-V22-1	WEST SAMPLE GALLERY HOOD EXHAUST FINAL STAGE HEPA FILTER	20	1
FH-V23-1	EAST SAMPLE GALLERY HOOD EXHAUST FINAL STAGE HEPA FILTER	20	1
FH-V24-1	WEST SAMPLE GALLERY ROOM EXHAUST FINAL STAGE HEPA FILTER	20	1
FH-V24-1A	WEST SAMPLE GALLERY ROOM EXHAUST FINAL STAGE HEPA FILTER	20	1
FH-V25-1	EAST SAMPLE GALLERY ROOM EXHAUST FINAL STAGE HEPA FILTER	20	1
FH-V31-3	WHITE ROOM EXHAUST FINAL STAGE HEPA FILTER	20	1
FH-V31-4	WHITE ROOM EXHAUST FINAL STAGE HEPA FILTER	20	1
202-A	PUREX CANYON CONTAINMENT STRUCTURE	20	1
291-AE	PUREX FOURTH FILTER BUILDING	20	1
FH-V11-4-1	CANYON EXHAUST FIRST STAGE HEPA FILTER	21	2
FH-V11-4-2	CANYON EXHAUST FIRST STAGE HEPA FILTER	21	2
FH-V11-4-3	CANYON EXHAUST FIRST STAGE HEPA FILTER	21	2
FH-V11-4-4	CANYON EXHAUST FIRST STAGE HEPA FILTER	21	2
FH-V11-4-5	CANYON EXHAUST FIRST STAGE HEPA FILTER	21	2

WHC-SD-RE-SEL-001 Rev 2
PUREX PLANT SAFETY EQUIPMENT LIST FOR DEACTIVATION

PUREX Plant Safety Equipment List for DEACTIVATION			
EQUIPMENT NUMBER	EQUIPMENT NAME	CRI-TERIA	SAFE. CLASS
FH-V11-4-6	CANYON EXHAUST FIRST STAGE HEPA FILTER	21	2
FH-V11-4-7	CANYON EXHAUST FIRST STAGE HEPA FILTER	21	2
FH-V11-4-8	CANYON EXHAUST FIRST STAGE HEPA FILTER	21	2
FH-V11-4-9	CANYON EXHAUST FIRST STAGE HEPA FILTER	21	2
FH-V11-4-10	CANYON EXHAUST FIRST STAGE HEPA FILTER	21	2
FH-V21-2	PR EXHAUST PRIMARY STAGE HEPA FILTER	21	2
FH-V21-2A	PR EXHAUST PRIMARY STAGE HEPA FILTER	21	2
CAS SYSTEM	CRITICALITY ALARM SYSTEM	21	2
ACPRSR-1 (C-V93-1) ¹	N CELL DRY AIR COMPRESSOR	21 ¹	2
ACPRSR-2 (C-V93-2) ¹	N CELL DRY AIR COMPRESSOR	21 ¹	2
ADYR-1 ¹	N CELL DRY AIR DRYER	21 ¹	2
ADYR-2 ¹	N CELL DRY AIR DRYER	21 ¹	2
AUTOMATIC WET PIPE SPRINKLER ²	N CELL FIRE PROTECTION (NON-GLOVEBOX)	21	2
N-CELL HALON SYSTEM ²	N-CELL HALON SYSTEM	21	2
EF-V11-1	CANYON ELECTRICAL EXHAUST FAN	21	2
EF-V11-2	CANYON ELECTRICAL EXHAUST FAN	21	2
EF-V11-3	CANYON ELECTRICAL EXHAUST FAN	21	2
EF-V11-4	CANYON ELECTRICAL EXHAUST FAN	21	2
EF-V21-1	PR ROOM EXHAUST FAN	21	2
EF-V21-1A	PR ROOM EXHAUST FAN	21	2
EF-V22-1	WEST SAMPLE GALLERY HOOD EXHAUST FAN	21	2
EF-V23-1	EAST SAMPLE GALLERY HOOD EXHAUST FAN	21	2
EF-V24-1	WEST SAMPLE GALLERY ROOM EXHAUST FAN	21	2
EF-V24-2	WEST SAMPLE GALLERY ROOM EXHAUST FAN	21	2
EF-V25-1	EAST SAMPLE GALLERY ROOM EXHAUST FAN	21	2
EF-V31-1	WHITE ROOM EXHAUST FAN	21	2

WHC-SD-RE-SEL-001 Rev 2
PUREX PLANT SAFETY EQUIPMENT LIST FOR DEACTIVATION

PUREX Plant Safety Equipment List for DEACTIVATION			
EQUIPMENT NUMBER	EQUIPMENT NAME	CRI-TERIA	SAFE. CLASS
EF-V31-2	WHITE ROOM EXHAUST FAN	21	2
EF-V41-1	LABORATORY EXHAUST FAN	21	2
EF-V41-1A	LABORATORY EXHAUST FAN	21	2

¹Safety Class 2 if plutonium compounds are being loaded into sealed containers, otherwise Safety Class 4.

²Safety Class 2 until plutonium is removed or stabilized, then Safety Class 4.