

ENGINEERING CHANGE NOTICE

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1. ECN **649226**

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. STEVE GIAMBERARDINI DPG, S4-49, 376-2680	4. USQ Required? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	5. Date 3/20/98	
	6. Project Title/No./Work Order No. B PLANT DEACTIVATION	7. Bldg./Sys./Fac. No. 221-B/B PLANT	8. Approval Designator N/A	
	9. Document Numbers Changed by this ECN (includes sheet no. and rev.) HNF-SD-WM-TPP-054 REV 2B	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

13b. Design Baseline Document? Yes No

INCORPORATE THE FOLLOWING CHANGES TO THE B PLANT END POINT DOCUMENT:

- CORRECTED TABLE OF CONTENTS AND CASE TYPE LISTINGS.
- ADD END POINT TO CANYON DECK FOR TK-100.
- MOVED END POINTS FOR CANYON C UNITS OUT OF CANYON DECK TO NEW SECTION.
- CORRECTED CASE TYPE TO CASE 2 FOR 291-BK.
- DELETE END POINTS FOR MOBILE OFFICES (SECTION 16) ASSOCIATED WITH THE INTERIOR OF UNITS MO-109 AND MO-930.
- ADD THE FOLLOWING END POINTS FOR (SECTION 16) MO-109 AND MO-930: "REMOVE MOBILE TRAILER FROM B PLANT SITE." AND "ISOLATE UTILITIES". DELETE ALL END POINTS FOR MO-444, 446, AND 995.
- ADD UPR SITE UPR-200-E-45 END POINTS
- VESSEL LISTING TABLE: ADD INACTIVE DEFINITION, ADD TK 100 TO TABLE, AND UPDATE TO CURRENT PART A PERMIT.

14a. Justification (mark one)

Criteria Change <input type="checkbox"/>	Design Improvement <input type="checkbox"/>	Environmental <input type="checkbox"/>	Facility Deactivation <input checked="" 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
SEE ECN SHEET 3

15. Distribution (include name, MSIN, and no. of copies)
NONE

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SECTION 14.a

1. General corrections to the table of contents and case type listings. (Some pages not changed are included for convenience of manual update)
2. Section 04: Added end points to canyon deck for tank 100. Storage in the B Plant canyon was approved by the B Plant Project managers as part of WESF LLLW Decoupling.
3. Section 04: Created new section for the canyon C units and relocated the end points from the canyon deck section. The inlet filters and supply fans are physically located in the stairwells and the end points addressing the deactivation were listed under canyon deck.
4. Section 12: Corrected case type to Case 2 for 291-BK. 291-BK was going to be utilized by the W-059 project as an instrument shed when the project was located at the east end of 221-B.
5. Section 16: The mobile offices are to be removed from the site and end points are not required for internal spaces. All end points associated with the interior of mobile offices MO-109 and MO-930 are deleted.
6. Section 16: End points are added for the removal of the mobile offices from the B Plant site. Delete all end points associated with mobile offices MO-444, 446, and 995. These mobile offices are located in the landlord mobile office park and will remain available for future deactivation work.
7. Section 18: Added end points for newly identified UPR site UPR-200-E-45.
8. Attachment A: Revised the Vessel Listing Table to add TK 100, update the listing to agree with the Part A Permit, and to reflect current status of vessel deactivation efforts.

B Plant End Points Document

S. J. Giamberardini
B&W Hanford Company, Richland, WA 99352
U.S. Department of Energy Contract DE-AC06-96RL13200

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Key Words: B Plant, Deactivation, End point criteria, EM-60, EM-40, Functional end point matrix, common end point criteria.

Abstract: The B Plant end points are necessary to facilitate the transfer of the B Plant facility from the Office of Facility Transition and Management (EM-60) to the Office of Environmental Restoration (EM-40). The criteria were derived from a logical process for determining end points for the systems and spaces at the B Plant facility based on the objectives, tasks and expected future uses pertinent to that system or space. Furthermore, the established end points meet the intent and support the guidance for acceptance "U.S. Department of Energy Office of Environmental Management (EM-40) Decommissioning Resources Manual, Chapter 3, Facility Transition (Draft)."

Deactivation work involve a range of tasks such as removal of hazardous material, elimination of shielding of radiation fields, partial decontamination to permit access for inspection, installation of monitors and alarms, etc. It is important that the end point of each of these tasks be established clearly and in advance, for the following reasons:

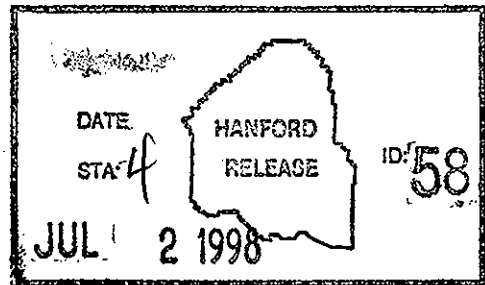
- End point must be such that the central element of the deactivation objective - to achieve stability - is unquestionably achieved.
- Much of the deactivation work involves worker exposure to radiation or dangerous materials. This can be minimized by avoiding unnecessary work.
- Each task is, in effect, competing for resources with other deactivation tasks and other facilities. By assuring that each task is appropriately bounded, DOE's overall resources can be used most fully and effectively.

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Kara J. Booz 7/2/98

Release Approval Date



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Approved for Public Release

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B-Plant Functional End Point Matrix Case 2: Internal Spaces, No Access Expected

Objectives	Task Types							
	1	2	3	4	5	6	7	8
Hazards	Radiation Fields	Contamination	Waste	Isolate & Contain	Monitor & Control	Refurbish or Install	Document & Label	
*	N/A	N/A	N/A	*	N/A	N/A	N/A	
*	N/A	N/A	N/A	*	*	N/A	N/A	
√	√	√	√	N/A	N/A	N/A	*	
A	A	A	*♦	N/A	N/A	N/A	A♦	

N/A
Not Applicable
*
Primary Consideration
√
Secondary Consideration
A
As Applicable
♦
Meet Commitments to Stakeholders
♥
Undefined
♣
Undefined

Likely to be a controlling factor in setting end point.
 Not likely to control end points, but there may be merit if simple, cost-effective.

Check requirements, act accordingly.

Case 2

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Internal Spaces, No Access Expected

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207-BA CBC Sampling Building
211-BA Chemical Sewer Neutralization Building
211-BB MCC Building
212-B Canyon
212-B Change Room
212-B HVAC Building
212-B Truck Port
217-B Demineralizer Building
221-B C Units
221-B Canyon & Deck
221-B Canyon Cell 4
221-B Cell 40
221-B Electrical & Pipe Galleries off of Stairwell #1
221-B Operating Gallery
221-B RR Tunnel
221-B Stairwells 5, 7, 9, 15 and 17
221-B SWP Change Room Lobby
221-BA Cooling Water Monitor Sample Building
221-BB Steam Condensate (BCS) Building
221-BC Change Room Building
221-BD Laundry Storage Building
221-BF Process Condensate (BCP) Storage Building
221-BG Cooling Water Monitor Sample Building
221B-FP-F-22-9 A/Vessel Vent Filter Pits
221B-FP-F-22-9 B/Vessel Vent Filter Pits
221B-FP-F-22-9 C/Vessel Vent Filter Pits
221B-SMP-R/Inactive Utility Pit
221BB-MVP-01/221BB North Condensate Pit
221BB-VP-01/Never Used Steam Condensate Pit
221BC-VP-01/Inactive Utility Pit
221BC-VP-02/Inactive Utility Pit
271-BA Laundry Building
2711-B Annex Building
2715-B Paint Storage Building
2716-B Laundry/Change Building
272-BA Spare Parts Shop
272-BB Insulation Shop
276-B Organic Makeup/Paint Storage Building
291-B A/B/C/D/E Sump/seal pits
291-B Filter Deactivation
291-B Stack/Steam Turbine Building
291-BB A & B Filter Instrument Building
291-BC C Filter Building

Case 2

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Internal Spaces, No Access Expected

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291-BD C Filter Instrument Building
291-BF D Filter Instrument Building
291-BG E Filter Instrument Building
291-BJ F Filter Building
291-BK Monitoring Control Building
292-B Stack Monitoring Building
Mobile Office MO-322 at 207-B Basin
Mobile Office MO-537 at 291-B Area
Substation C8-S49
Substation C8-S77

B-Plant Criteria

Internal Spaces, No Access Expected

Case 2

Task Type (TT-1): Hazards		
Objective		Criteria
Protect Public & Environment	*	Remove unattached combustible materials to reduce the fire hazard.
Facilitate S&M - Protect Workers - Reduce Cost	*	Electrically de-energize equipment and deactivate instrumentation unless otherwise stated.
Facilitate Decommissioning	√	Identify/resolve/define significant technical and safety hazards that may impact decommissioning planning.
Comply with Regulations & Requirements	A	Document compliance with Confined Space Entry in accordance with WHC-CM-4-40, Industrial Hygiene Manual, Section 3.1, Rev.1 (Ref EPTI #3) for inclusion in the turnover package.
		Document compliance with the Asbestos Control Program as defined in WHC-CM-4-40, Industrial Hygiene Manual, Section 2.3, Rev.0 (Ref EPTI #2) for inclusion in the turnover package.
		Document compliance with the Hazardous Communication Program as defined in WHC-CM-4-40, Industrial Hygiene Manual, Section 2.1, Rev.0 (Ref EPTI #1) for inclusion in the turnover package.
		Fire protection/detection will be determined in the FHA.

B-Plant Functional End Point Matrix

Case 3: External Spaces, Including Building Exterior Envelopes

Objectives	Task Types							
	1	2	3	4	5	6	7	8
Hazards	Radiation Fields	Contamination	Waste	Isolate & Contain	Monitor & Control	Refurbish or Install	Document & Label	
*	N/A	*	N/A	*	N/A	N/A	N/A	
*	*	*	N/A	*	*	*	*	
√	√	√	√	N/A	N/A	N/A	*	
A	A	A	*♦	A	N/A	N/A	A♦	

N/A
Not Applicable
*
Primary Consideration
√
Secondary Consideration
A
As Applicable
♦
Meet Commitments to Stakeholders
♥
Undefined
▲
Undefined
♣
Undefined

Likely to be a controlling factor in setting end point.
 Not likely to control end points, but there may be merit if simple, cost-effective.
 Check requirements, act accordingly.

External Spaces, Including Building Exterior Envelopes

207-B Retention Basin
211-B Chemical Tank Farm
211-BA Chemical Sewer Neutralization Building Exterior
211-BB MCC Building Exterior
212-B Facility Exterior
216-B-59 High Risk Cooling Water Retention Basin
216-B-64 Steam Condensate Retention Basin
217-B Demineralizer Building Exterior
221-B Facility Exterior
221-BB Steam Condensate (BCS) Building Exterior
221-BC Change Room Building Exterior
221-BF Process Condensate (BCP) Storage Building Exterior
221-BG Cooling Water Monitor Sample Building Exterior
222-B Office Building Exterior
271-B Support Building Exterior
271-BA Laundry Building Exterior
2715-B Paint Storage Building Exterior
272-BA Spare Parts Shop Exterior
272-BB Insulation Shop Exterior
276-B Organic Makeup/Paint Storage Building Exterior
291-B Stack
291-B Stack/Steam Turbine Building Exterior
291-B Yard
291-BB A & B Filter Instrument Building - Exterior
291-BC C Filter Building Exterior
291-BD C Filter Instrument Building Exterior
291-BF D Filter Instrument Building Exterior
291-BG E Filter Instrument Building Exterior
291-BJ F Filter Building Exterior
291-BK Monitoring Control Building Exterior
292-B Stack Monitoring Building Exterior
Mobile Office MO-109 at 224-B
Mobile Office MO-444 at 271-B
Mobile Office MO-446 at 271-B
Mobile Office MO-930 at 292-B
Mobile Office MO-995 at 271-B
Organic Storage Tanks
Railroad Vehicles
Sand Filter
Substation C8-S49 Exterior
Substation C8-S77 Exterior
UPR Site UPR-200-E-1
UPR Site UPR-200-E-103

Case 3

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External Spaces, Including Building Exterior Envelopes

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UPR Site UPR-200-E-112
UPR Site UPR-200-E-138
UPR Site UPR-200-E-140
UPR Site UPR-200-E-2
UPR Site UPR-200-E-3
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UPR Site UPR-200-E-80
UPR Site UPR-200-E-85
UPR Site UPR-200-E-90
UPR Site UPR-200-E-95
Yard

B-Plant Criteria

External Spaces, Including Building Exterior Envelopes Case 3

Task Type (TT-1): Hazards		
Objective		Criteria
Protect Public & Environment	*	Remove unattached combustibile materials to reduce the fire hazard.
Facilitate S&M - Protect Workers - Reduce Cost	*	A limited structural analysis will be conducted to verify structural integrity for a minimum of five (5) years. Electrically de-energize equipment and deactivate instrumentation unless otherwise stated.
Facilitate Decommissioning	√	Identify/resolve/define significant technical and safety hazards that may impact decommissioning planning.
Comply with Regulations & Requirements	A	Document compliance with Confined Space Entry in accordance with WHC-CM-4-40, Industrial Hygiene Manual, Section 3.1, Rev.1 (Ref EPTI #3) for inclusion in the turnover package. Document compliance with the Asbestos Control Program as defined in WHC-CM-4-40, Industrial Hygiene Manual, Section 2.3, Rev.0 (Ref EPTI #2) for inclusion in the turnover package. Document compliance with the Hazardous Communication Program as defined in WHC-CM-4-40, Industrial Hygiene Manual, Section 2.1, Rev.0 (Ref EPTI #1) for inclusion in the turnover package. Fire protection/detection will be determined in the FHA.

Case 6

System - Abandoned in Place

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221-B Cell 9 Vessels
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221-B Electrical Gallery Vessels
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221-B Pipe Gallery System
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221-B Stairwells System
221-BA Cooling Water Monitor Sample Building System
221-BB Steam Condensate (BCS) Building System
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221-BC Change Room Building System
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271-B Basement System
271-B First Floor Vessels
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276-B Organic Makeup/Paint Storage Building System
276-B Vessels
291-B Exhaust Fans
291-B Stack/Steam Turbine Building System
291-BB A & B Filter Instrument Building - System
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291-BF D Filter Instrument Building System
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Case 6
System - Abandoned in Place

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_____	_____	_____	_____
BHI	DATE		

B Plant End Points

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B Plant End Points

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B Plant End Points

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221-B Canyon & Deck

Case: (2) Internal Spaces, No Access Expected

<i>Task Type: (TT- 4) Waste</i>				
<i>Number</i>	<i>Objective</i>		<i>End Point</i>	<i>EP Closure</i>
04.01.10	Comply with Regulations & Requirements	* ♦	Remove freon from crane air conditioning unit. <i>Ref:</i> _____ _____	<i>BWHC:</i>
				<i>BHI:</i>
				<i>Date:</i>
				<i>End Point Revision number:</i> 0
04.01.22	Comply with Regulations & Requirements	* ♦	Verify TK-100 identified requirements as defined in the Vessel Listing Table have been met. <i>Ref:</i> _____ _____	<i>BWHC:</i>
				<i>BHI:</i>
				<i>Date:</i>
				<i>End Point Revision number:</i> 2C

B Plant End Points

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221-B Canyon & Deck

Case: (2) Internal Spaces, No Access Expected

<i>Task Type: (TT- 5) Isolate & Contain</i>				
<i>Number</i>	<i>Objective</i>		<i>End Point</i>	<i>EP Closure</i>
04.01.11	Facilitate S&M - Protect Workers - Reduce Cost	*	Ensure engineered barriers/seals are in place to prevent migration of both hazardous and radioactive contamination to the surrounding space. Ref: _____ _____	BWHC: BHI: Date: End Point Revision number: 0
04.01.12	Protect Public & Environment	*	Isolate/seal potential pathways to the environment to protect from vermin intrusion. Ref: _____ _____	BWHC: BHI: Date: End Point Revision number: 0
04.01.13	Protect Public & Environment	*	Ensure engineered barriers/seals are in place to prevent migration of both hazardous and radioactive contamination to the environment. Ref: _____ _____	BWHC: BHI: Date: End Point Revision number: 0
04.01.14	Facilitate S&M - Protect Workers - Reduce Cost	*	Ensure cover blocks are in place. Ref: _____ _____	BWHC: BHI: Date: End Point Revision number: 0

B Plant End Points

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221-B Canyon & Deck

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 8) Document & Label				
<i>Number</i>	<i>Objective</i>		<i>End Point</i>	<i>EP Closure</i>
04.01.18	Facilitate Decommissioning	*	Turnover package items: Deactivation work plans/packages. Description/photos of Case 2 spaces. Red lined cell arrangement drawings with ECN's attached. <i>Ref:</i> _____ _____	BWHC:
				BHI:
				Date:
				End Point Revision number: 0
04.01.19	Facilitate Decommissioning	*	Document identified area industrial hazards for inclusion in the turnover package. <i>Ref:</i> _____ _____	BWHC:
				BHI:
				Date:
				End Point Revision number: 0
04.01.20	Comply with Regulations & Requirements	A ◆	Document amount and location of remaining hazardous substances/dangerous wastes. <i>Ref:</i> _____ _____	BWHC:
				BHI:
				Date:
				End Point Revision number: 0
04.01.21	Comply with Regulations & Requirements	A ◆	Document space dose rates and contamination levels in the final radiological survey report and map per Hanford Site Radiological Control Manual (HSRCM-1), Chapter 5, Rev 2 (Ref EPTI #5) for inclusion in the turnover package. <i>Ref:</i> _____ _____	BWHC:
				BHI:
				Date:
				End Point Revision number: 0

B Plant End Points

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221-B C Units

Case: (2) Internal Spaces, No Access Expected

<i>Task Type: (TT- 5) Isolate & Contain</i>				
<i>Number</i>	<i>Objective</i>		<i>End Point</i>	<i>EP Closure</i>
04.54.01	Facilitate S&M - Protect Workers - Reduce Cost	*	Remove canyon inlet filters (10 units) & isolate. <i>Ref:</i> _____ _____	<i>BWHC:</i>
				<i>BHI:</i>
				<i>Date:</i>
				<i>End Point Revision number:</i> 2C
04.54.02	Facilitate S&M - Protect Workers - Reduce Cost	*	Isolate canyon forced air supply (10). <i>Ref:</i> _____ _____	<i>BWHC:</i>
				<i>BHI:</i>
				<i>Date:</i>
				<i>End Point Revision number:</i> 2C

B-PLANT END POINTS

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B Plant End Points

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291-BK Monitoring Control Building

Case: (2) Internal Spaces, Routine Access Required

<i>Task Type: (TT- 1) Hazards</i>				
<i>Number</i>	<i>Objective</i>		<i>End Point</i>	<i>EP Closure</i>
12.28.01	Protect Public & Environment	*	Remove unattached combustible materials to reduce the fire hazard. <i>Ref:</i> _____ _____	<i>BWHC:</i> Signed
				<i>BHI:</i> Signed
				<i>Date:</i> 12/18/97
				<i>End Point Revision number:</i> 1

B Plant End Points

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291-BK Monitoring Control Building

Case: (2) Internal Spaces, Routine Access Required

<i>Task Type: (TT- 4) Waste</i>				
<i>Number</i>	<i>Objective</i>		<i>End Point</i>	<i>EP Closure</i>
12.28.02	Comply with Regulations & Requirements	* ♦	Removed/disposed radioactive, dangerous, and mixed waste conducted in accordance with approved waste handling procedures. <i>Ref:</i> _____ _____	<i>BWHC:</i> Signed
				<i>BHI:</i> Signed
				<i>Date:</i> 5/4/98
				<i>End Point Revision number:</i> 1
12.28.03	Facilitate Decommissioning	√	Housekeep and remove unattached material/equipment using the Reasonable Best Effort methodology. <i>Ref:</i> _____ _____	<i>BWHC:</i> Signed
				<i>BHI:</i> Signed
				<i>Date:</i> 4/24/98
				<i>End Point Revision number:</i> 1
12.28.07	Comply with Regulations & Requirements	* ♦	Remove freon from air conditioning unit. <i>Ref:</i> _____ _____	<i>BWHC:</i> Signed
				<i>BHI:</i> Signed
				<i>Date:</i> 4/24/98
				<i>End Point Revision number:</i> 2

B Plant End Points

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291-BK Monitoring Control Building

Case: (2) Internal Spaces, Routine Access Required

<i>Task Type: (TT- 5) Isolate & Contain</i>				
<i>Number</i>	<i>Objective</i>		<i>End Point</i>	<i>EP Closure</i>
12.28.04	Protect Public & Environment	*	Isolate/seal potential pathways from the environment to protect from vermin intrusion. <i>Ref:</i> _____ _____	<i>BWHC:</i> Signed
				<i>BHI:</i> Signed
				<i>Date:</i> 2/13/98
				<i>End Point Revision number:</i> 1

B Plant End Points

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291-BK Monitoring Control Building

Case: (2) Internal Spaces, Routine Access Required

<i>Task Type: (TT- 8) Document & Label</i>				
<i>Number</i>	<i>Objective</i>		<i>End Point</i>	<i>EP Closure</i>
12.28.05	Facilitate Decommissioning	*	Turnover package items: Deactivation work plans/packages. <i>Ref:</i> _____ _____	<i>BWHC:</i>
				<i>BHI:</i>
				<i>Date:</i>
				<i>End Point Revision number:</i> 1
12.28.06	Comply with Regulations & Requirements	A ◆	Document amount and location of remaining hazardous substances/dangerous wastes. <i>Ref:</i> _____ _____	<i>BWHC:</i> Signed
				<i>BHI:</i> Signed
				<i>Date:</i> 5/4/98
				<i>End Point Revision number:</i> 2

B Plant End Points

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221-BG Cooling Water Monitor Sample Building System

Case: (6) System - Abandoned in Place

Task Type: (TT- 8) Document & Label

Number	Objective		End Point	EP Closure
15.13.06	Facilitate S&M - Protect Workers - Reduce Cost	*	Label Abandoned in Place system. Ref: _____ _____	BWHC: Signed
				BHI: Signed
				Date: 9/30/97
				End Point Revision number: 0
15.13.07	Facilitate Decommissioning	*	Turnover package items: Deactivation work plans/packages. Ref: _____ _____	BWHC: Signed
				BHI: Signed
				Date: 9/30/97
				End Point Revision number: 0
15.13.08	Comply with Regulations & Requirements	A ◆	Document amount and location of remaining hazardous substances/dangerous wastes. Ref: _____ _____	BWHC: Signed
				BHI: Signed
				Date: 8/26/97
				End Point Revision number: 0

Mobile Offices

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AREA ACCEPTANCE			
<u>BHI</u>	<u>DATE</u>	<u>BWHC</u>	<u>DATE</u>
BHI	DATE		

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B Plant End Points

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Mobile Office MO-109 at 224-B

Case: (3) External Spaces, Including Building Exterior Envelopes

<i>Task Type: (TT- 1) Hazards</i>				
<i>Number</i>	<i>Objective</i>		<i>End Point</i>	<i>EP Closure</i>
16.01.01	Protect Public & Environment	*	END POINT DELETED	<i>BWHC:</i> N/A
				<i>BHI:</i> N/A
				<i>Date:</i>
				<i>End Point Revision number:</i> 2C
			<i>Ref:</i> _____	

B Plant End Points

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Mobile Office MO-109 at 224-B

Case: (3) External Spaces, Including Building Exterior Envelopes

Task Type: (TT- 4) Waste				
Number	Objective		End Point	EP Closure
16.01.02	Comply with Regulations & Requirements	* ♦	END POINT DELETED Ref: _____ _____	BWHC:
				BHI:
				Date:
				End Point Revision number: 2
16.01.03	Facilitate Decommissioning	√	END POINT DELETED Ref: _____ _____	BWHC: N/A
				BHI: N/A
				Date:
				End Point Revision number: 2C
16.01.04	Comply with Regulations & Requirements	* ♦	END POINT DELETED Ref: _____ _____	BWHC: N/A
				BHI: N/A
				Date:
				End Point Revision number: 2C
16.01.14	Facilitate Decommissioning	√	Remove mobile trailer from B Plant site Ref: _____ _____	BWHC:
				BHI:
				Date:
				End Point Revision number: 2C

B Plant End Points

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Mobile Office MO-109 at 224-B

Case: (3) External Spaces, Including Building Exterior Envelopes

Task Type: (TT-5) Isolate & Contain				
Number	Objective		End Point	EP Closure
16.01.05	Protect Public & Environment	*	END POINT DELETED Ref: _____ _____	BWHC: N/A
				BHI: N/A
				Date:
				End Point Revision number: 2
16.01.06	Facilitate S&M - Protect Workers - Reduce Cost	*	END POINT DELETED Ref: _____ _____	BWHC: N/A
				BHI: N/A
				Date:
				End Point Revision number: 2
16.01.07	Facilitate S&M - Protect Workers - Reduce Cost	*	END POINT DELETED Ref: _____ _____	BWHC: N/A
				BHI: N/A
				Date:
				End Point Revision number: 2C
16.01.13	Protect Public & Environment	*	Isolate utilities (water, electrical, etc). Ref: _____ _____	BWHC:
				BHI:
				Date:
				End Point Revision number: 2C

B Plant End Points

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Mobile Office MO-109 at 224-B

Case: (3) External Spaces, Including Building Exterior Envelopes

<i>Task Type: (TT- 8) Document & Label</i>				
Number	Objective		End Point	EP Closure
16.01.08	Facilitate Decommissioning	*	END POINT DELETED	BWHC: N/A
				BHI: N/A
			Ref: _____	Date:
			_____	End Point Revision number: 2
16.01.09	Facilitate Decommissioning	*	Turnover package items: Deactivation work plans/packages.	BWHC:
				BHI:
			Ref: _____	Date:
			_____	End Point Revision number: 2C
16.01.10	Facilitate Decommissioning	*	END POINT DELETED	BWHC: N/A
				BHI: N/A
			Ref: _____	Date:
			_____	End Point Revision number: 2
16.01.11	Facilitate Decommissioning	*	END POINT DELETED	BWHC: N/A
				BHI: N/A
			Ref: _____	Date:
			_____	End Point Revision number: 2

B Plant End Points

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Mobile Office MO-109 at 224-B

Case: (3) External Spaces, Including Building Exterior Envelopes

<i>Task Type: (TT- 8) Document & Label</i>				
<i>Number</i>	<i>Objective</i>		<i>End Point</i>	<i>EP Closure</i>
16.01.12	Comply with Regulations & Requirements	A ◆	END POINT DELETED	<i>BWHC:</i> N/A
				<i>BHI:</i> N/A
			<i>Ref:</i> _____ _____	<i>Date:</i>
				<i>End Point Revision number:</i> 2

B Plant End Points

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Mobile Office MO-444 at 271-B

Case: (3) External Spaces, Including Building Exterior Envelopes

<i>Task Type: (TT- 1) Hazards</i>				
<i>Number</i>	<i>Objective</i>		<i>End Point</i>	<i>EP Closure</i>
16.02.01	Protect Public & Environment	*	END POINT DELETED	BWHC: N/A
				BHI: N/A
			Ref: _____	Date:
			_____	End Point Revision number: 2C

B Plant End Points

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Mobile Office MO-444 at 271-B

Case: (3) External Spaces, Including Building Exterior Envelopes

<i>Task Type: (TT- 4) Waste</i>				
<i>Number</i>	<i>Objective</i>		<i>End Point</i>	<i>EP Closure</i>
16.02.02	Facilitate Decommissioning	√	END POINT DELETED Ref: _____ _____	BWHC: N/A
				BHI: N/A
				Date:
				End Point Revision number: 2C
16.02.03	Comply with Regulations & Requirements	* ♦	END POINT DELETED Ref: _____ _____	BWHC: N/A
				BHI: N/A
				Date:
				End Point Revision number: 2C

B Plant End Points

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Mobile Office MO-444 at 271-B

Case: (3) External Spaces, Including Building Exterior Envelopes

<i>Task Type: (TT- 5) Isolate & Contain</i>				
<i>Number</i>	<i>Objective</i>		<i>End Point</i>	<i>EP Closure</i>
16.02.04	Protect Public & Environment	*	END POINT DELETED	<i>BWHC:</i>
				<i>BHI:</i>
			<i>Ref:</i> _____	<i>Date:</i>
			_____	<i>End Point Revision number:</i> 2C

B Plant End Points

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Mobile Office MO-444 at 271-B

Case: (3) External Spaces, Including Building Exterior Envelopes

<i>Task Type: (TT- 8) Document & Label</i>				
<i>Number</i>	<i>Objective</i>		<i>End Point</i>	<i>EP Closure</i>
16.02.05	Facilitate Decommissioning	*	END POINT DELETED	BWHC:
				BHI:
			<i>Ref:</i> _____	Date:
			_____	<i>End Point Revision number:</i> 2C

B Plant End Points

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Mobile Office MO-446 at 271-B

Case: (3) External Spaces, Including Building Exterior Envelopes

<i>Task Type: (TT-1) Hazards</i>				
<i>Number</i>	<i>Objective</i>		<i>End Point</i>	<i>EP Closure</i>
16.05.01	Protect Public & Environment	*	END POINT DELETED <i>Ref:</i> _____ _____	<i>BWHC:</i> N/A
				<i>BHI:</i> N/A
				<i>Date:</i>
				<i>End Point Revision number:</i> <div style="text-align: center;">2C</div>

B Plant End Points

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Mobile Office MO-446 at 271-B

Case: (3) External Spaces, Including Building Exterior Envelopes

<i>Task Type: (TT- 4) Waste</i>				
<i>Number</i>	<i>Objective</i>		<i>End Point</i>	<i>EP Closure</i>
16.05.02	Facilitate Decommissioning	√	END POINT DELETED <i>Ref:</i> _____ _____	<i>BWHC:</i> N/A
				<i>BHI:</i> N/A
				<i>Date:</i>
				<i>End Point Revision number:</i> 2C
16.05.03	Comply with Regulations & Requirements	* ♦	END POINT DELETED <i>Ref:</i> _____ _____	<i>BWHC:</i> N/A
				<i>BHI:</i> N/A
				<i>Date:</i>
				<i>End Point Revision number:</i> 2C

B Plant End Points

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Mobile Office MO-446 at 271-B

Case: (3) External Spaces, Including Building Exterior Envelopes

Task Type: (TT- 5) Isolate & Contain				
<i>Number</i>	<i>Objective</i>		<i>End Point</i>	<i>EP Closure</i>
16.05.04	Protect Public & Environment	*	END POINT DELETED	<i>BWHC:</i>
			<i>Ref:</i> _____	<i>BHI:</i>
			_____	<i>Date:</i>
			_____	<i>End Point Revision number:</i> 2C

B Plant End Points

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Mobile Office MO-446 at 271-B

Case: (3) External Spaces, Including Building Exterior Envelopes

<i>Task Type: (TT- 8) Document & Label</i>				
<i>Number</i>	<i>Objective</i>		<i>End Point</i>	<i>EP Closure</i>
16.05.05	Facilitate Decommissioning	*	END POINT DELETED	BWHC:
				BHI:
			<i>Ref:</i> _____	Date:
			_____	<i>End Point Revision number:</i>
				2C

B Plant End Points

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Mobile Office MO-537 at 291-B Area

Case: (2) Internal Spaces, No Access Expected

<i>Task Type: (TT- 8) Document & Label</i>				
<i>Number</i>	<i>Objective</i>		<i>End Point</i>	<i>EP Closure</i>
16.04.06	Facilitate Decommissioning	*	Turnover package items: Deactivation work plans/packages. Description/photos of Case 2 spaces. <i>Ref:</i> _____ _____	<i>BWHC:</i> Signed
				<i>BHI:</i> Signed
				<i>Date:</i> 1/13/98
				<i>End Point Revision number:</i> <div style="text-align: center;">2</div>

B Plant End Points

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Mobile Office MO-930 at 292-B

Case: (3) External Spaces, Including Building Exterior Envelopes

<i>Task Type: (TT- 1) Hazards</i>				
<i>Number</i>	<i>Objective</i>		<i>End Point</i>	<i>EP Closure</i>
16.06.01	Protect Public & Environment	*	END POINT DELETED	BWHC: N/A
				BHI: N/A
			<i>Ref:</i> _____	<i>Date:</i>
			_____	<i>End Point Revision number:</i>
				2C

B Plant End Points

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Mobile Office MO-930 at 292-B

Case: (3) External Spaces, Including Building Exterior Envelopes

Task Type: (TT- 4) Waste				
Number	Objective		End Point	EP Closure
16.06.02	Facilitate Decommissioning	√	END POINT DELETED Ref: _____ _____	BWHC: N/A
				BHI: N/A
				Date:
				End Point Revision number: 2C
16.06.03	Comply with Regulations & Requirements	* ◆	END POINT DELETED Ref: _____ _____	BWHC: N/A
				BHI: N/A
				Date:
				End Point Revision number: 2C
16.06.06	Facilitate Decommissioning	√	Remove mobile trailer from B Plant site Ref: _____ _____	BWHC:
				BHI:
				Date:
				End Point Revision number: 2C

B Plant End Points

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Mobile Office MO-930 at 292-B

Case: (3) External Spaces, Including Building Exterior Envelopes

<i>Task Type: (TT- 5) Isolate & Contain</i>				
<i>Number</i>	<i>Objective</i>		<i>End Point</i>	<i>EP Closure</i>
16.06.04	Protect Public & Environment	*	Isolate utilities (water, electrical, etc).	BWHC:
				BHI:
			Ref: _____	Date:
			_____	End Point Revision number: 2

B Plant End Points

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Mobile Office MO-930 at 292-B

Case: (3) External Spaces, Including Building Exterior Envelopes

<i>Task Type: (TT- 8) Document & Label</i>			
<i>Number</i>	<i>Objective</i>		<i>End Point</i>
16.06.05	Facilitate Decommissioning	*	Turnover package items: Deactivation work plans/packages.
			<i>BWHC:</i>
			<i>BHI:</i>
			<i>Date:</i>
			<i>End Point Revision number:</i> 2C

B Plant End Points

HNF-SD-WM-TPP-054
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Mobile Office MO-995 at 271-B

Case: (3) External Spaces, Including Building Exterior Envelopes

<i>Task Type: (TT-1) Hazards</i>				
<i>Number</i>	<i>Objective</i>		<i>End Point</i>	<i>EP Closure</i>
16.03.01	Protect Public & Environment	*	END POINT DELETED <i>Ref:</i> _____ _____	<i>BWHC:</i> N/A
				<i>BHI:</i> N/A
				<i>Date:</i>
				<i>End Point Revision number:</i> 2C

B Plant End Points

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Mobile Office MO-995 at 271-B

Case: (3) External Spaces, Including Building Exterior Envelopes

Task Type: (TT- 4) Waste				
<i>Number</i>	<i>Objective</i>		<i>End Point</i>	<i>EP Closure</i>
16.03.02	Facilitate Decommissioning	√	END POINT DELETED <i>Ref:</i> _____ _____	<i>BWHC:</i> N/A
				<i>BHI:</i> N/A
				<i>Date:</i>
				<i>End Point Revision number:</i> 2C
16.03.03	Comply with Regulations & Requirements	* ◆	END POINT DELETED <i>Ref:</i> _____ _____	<i>BWHC:</i> N/A
				<i>BHI:</i> N/A
				<i>Date:</i>
				<i>End Point Revision number:</i> 2C

B Plant End Points

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Mobile Office MO-995 at 271-B

Case: (3) External Spaces, Including Building Exterior Envelopes

<i>Task Type: (TT- 5) Isolate & Contain</i>				
<i>Number</i>	<i>Objective</i>		<i>End Point</i>	<i>EP Closure</i>
16.03.04	Protect Public & Environment	*	END POINT DELETED	<i>BWHC:</i>
				<i>BHI:</i>
			<i>Ref:</i> _____	<i>Date:</i>
			_____	<i>End Point Revision number:</i>
				2C

B Plant End Points

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Mobile Office MO-995 at 271-B

Case: (3) External Spaces, Including Building Exterior Envelopes

<i>Task Type: (TT- 8) Document & Label</i>				
<i>Number</i>	<i>Objective</i>		<i>End Point</i>	<i>EP Closure</i>
16.03.05	Facilitate Decommissioning	*	END POINT DELETED <i>Ref:</i> _____ _____	<div style="border-bottom: 1px solid black; padding-bottom: 2px;"><i>BWHC:</i></div> <div style="border-bottom: 1px solid black; padding-bottom: 2px;"><i>BHI:</i></div> <div style="border-bottom: 1px solid black; padding-bottom: 2px;"><i>Date:</i></div> <div style="border-bottom: 1px solid black; padding-bottom: 2px;"><i>End Point Revision number:</i></div> <div style="text-align: center;">2C</div>

Support Areas

221-BD Laundry Storage Building (2)	804
222-B Office Building (1)	809
222-B Office Building Exterior (3)	814
222-B Office Building System (6)	819
2711-B Annex Building (2)	822
2715-B Paint Storage Building (2)	827
2715-B Paint Storage Building Exterior (3)	831
2716-B Laundry/Change Building (2)	836
272-BA Spare Parts Shop (2) (End Points Deleted)	841
272-BA Spare Parts Shop Exterior (3) (End Points Deleted)	845
272-BB Insulation Shop (2) (End Points Deleted)	850
272-BB Insulation Shop Exterior (3) (End Points Deleted)	854

AREA ACCEPTANCE			
<hr/>	<hr/>	<hr/>	<hr/>
BHI	DATE	BWHC	DATE
<hr/>	<hr/>	<hr/>	<hr/>
BHI	DATE		

Yard

Miscellaneous Streams (6)	861
Organic Storage Tanks (3)	865
Railroad Vehicles (3)	871
Underground Storage Transfer Lines (Tank Farms) (6)	873
UPR Site UPR-200-E-1 (3)	878
UPR Site UPR-200-E-103 (3)	879
UPR Site UPR-200-E-112 (3)	881
UPR Site UPR-200-E-138 (3)	882a
UPR Site UPR-200-E-140 (3)	883
UPR Site UPR-200-E-2 (3)	884
UPR Site UPR-200-E-3 (3)	886
UPR Site UPR-200-E-32 (3)	888
UPR Site UPR-200-E-41 (3)	890
UPR Site UPR-200-E-44 (3)	892
UPR Site UPR-200-E-45 (3)	893a
UPR Site UPR-200-E-52 (3)	894
UPR Site UPR-200-E-64 (3)	896
UPR Site UPR-200-E-69 (3)	898
UPR Site UPR-200-E-7 (3)	900
UPR Site UPR-200-E-80 (3)	902
UPR Site UPR-200-E-85 (3)	904
UPR Site UPR-200-E-90 (3)	906
UPR Site UPR-200-E-95 (3)	908
Yard (3)	910
Yard Vessels (6)	922

AREA ACCEPTANCE			
BHI	DATE	BWHC	DATE
BHI	DATE		

B Plant End Points

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B Plant End Points

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UPR Site UPR-200-E-44

Case: (3) External Spaces, Including Building Exterior Envelopes

<i>Task Type: (TT- 8) Document & Label</i>				
Number	Objective		End Point	EP Closure
18.13.01	Facilitate S&M - Protect Workers - Reduce Cost	*	Transfer UPR site UPR-200-E-44 to ERC. Ref: _____ _____	BWHC:
				BHI:
				Date:
				End Point Revision number: 2
18.13.03	Facilitate Decommissioning	*	Turnover package items: UPR listing, description Ref: _____ _____	BWHC: Signed
				BHI: Signed
				Date: 4/30/98
				End Point Revision number: 2
18.13.04	Comply with Regulations & Requirements	A ◆	Verify postings, barriers, markers, signs appropriate Ref: _____ _____	BWHC: Signed
				BHI: Signed
				Date: 4/30/98
				End Point Revision number: 2
18.13.05	Comply with Regulations & Requirements	A ◆	Provide location of UPR on Area Map. Ref: _____ _____	BWHC: Signed
				BHI: Signed
				Date: 4/30/98
				End Point Revision number: 2

B Plant End Points

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UPR Site UPR-200-E-45

Case: (3) External Spaces, Including Building Exterior Envelopes

<i>Task Type: (TT-2) Radiation Fields</i>			
<i>Number</i>	<i>Objective</i>	<i>End Point</i>	<i>EP Closure</i>
18.25.02	Comply with Regulations & Requirements	Post radiological conditions in accordance with Hanford Site Radiological Control Manual (HSRCM-1), Chapter 2, Rev 2 (Ref EPTI #4). <i>Ref:</i> _____ _____	<div style="border-bottom: 1px solid black; padding-bottom: 2px;"><i>BWHC:</i></div> <div style="border-bottom: 1px solid black; padding-bottom: 2px;"><i>BHI:</i></div> <div style="border-bottom: 1px solid black; padding-bottom: 2px;"><i>Date:</i></div> <div style="border-bottom: 1px solid black; padding-bottom: 2px;"><i>End Point Revision number:</i></div> <div style="text-align: center;">2C</div>

B Plant End Points

HNF-SD-WM-TPP-054
Rev. 2C

UPR Site UPR-200-E-45

Case: (3) External Spaces, Including Building Exterior Envelopes

Task Type: (TT- 8) Document & Label			
<i>Number</i>	<i>Objective</i>	<i>End Point</i>	<i>EP Closure</i>
18.25.01	Facilitate S&M - Protect Workers - Reduce Cost	Transfer UPR site UPR-200-E-45 to ERC. <i>Ref:</i> _____ _____	<i>BWHC:</i>
			<i>BHI:</i>
			<i>Date:</i>
			<i>End Point Revision number:</i> 2C
18.25.03	Comply with Regulations & Requirements	Verify postings, barriers, markers, signs appropriate <i>Ref:</i> _____ _____	<i>BWHC:</i>
			<i>BHI:</i>
			<i>Date:</i>
			<i>End Point Revision number:</i> 2C
18.25.04	Facilitate Decommissioning	Turnover package items: UPR listing, description <i>Ref:</i> _____ _____	<i>BWHC:</i>
			<i>BHI:</i>
			<i>Date:</i>
			<i>End Point Revision number:</i> 2C
18.25.05	Comply with Regulations & Requirements	Provide location of UPR on Area Map. <i>Ref:</i> _____ _____	<i>BWHC:</i>
			<i>BHI:</i>
			<i>Date:</i>
			<i>End Point Revision number:</i> 2C

B Plant End Points

HNF-SD-WM-TPP-054
Rev. 2C

UPR Site UPR-200-E-52

Case: (3) External Spaces, Including Building Exterior Envelopes

Task Type: (TT- 2) Radiation Fields				
<i>Number</i>	<i>Objective</i>		<i>End Point</i>	<i>EP Closure</i>
18.14.02	Comply with Regulations & Requirements	A	Post radiological conditions in accordance with Hanford Site Radiological Control Manual (HSRCM-1), Chapter 2, Rev 2 (Ref EPTI #4). <i>Ref:</i> _____ _____	<i>BWHC:</i>
				<i>BHI:</i>
				<i>Date:</i>
				<i>End Point Revision number:</i> <div style="text-align: center;">2</div>

B-PLANT END POINTS
Attachment-A
Vessel Listing Table

HNF-SD-WM-TPP-054
Rev. 2C

The vessels listed on the following pages will meet particular end points which have been negotiated. The summary below categorizes these vessels in an at-a-glance format.

Descriptions of vessel categories:

| Active: Active as of 9/1/96. Will be emptied to a minimum heel when no longer required for operations.

Inactive: Tanks with no intended future use.

A: Chemical feed tanks outside canyon proper: emptied (dry or minimum heel) by 04/02/96.

B: Chemical feed tanks outside canyon proper; will not be empty by 04/02/96

C: Canyon process vessels; emptied (dry or minimum heel) prior to 11/87

D: Canyon process vessels that processed listed/mixed waste; emptied (dry or minimum heel) after 11/87 and remained empty

E: Canyon process vessels that processed listed/mixed waste; contain liquid over minimum heel

F: Other process vessels outside canyon building

| N/A: These vessels were not used to process listed/mixed waste.

NOTE: Empty is defined as removing as much solution as possible utilizing the existing configuration.

B-PLANT END POINTS

HNF-SD-WM-TPP-054

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Attachment-A Vessel Listing Table

Tank	Category	Empty	Included in Part A	Add to Part A	Flush	Sample/Comment
211-B						
TK-SD-111	F	X				
TK-SQ-141	A	X				
TK-SQ-142	A	X				
TK-SQ-143	A	X				
TK-MNB-173	A	X				
TK-SK-161	A	X				
TK-SA-101	A	X				
TK-SA-102	A	X				
TK-SA-103	A	X				
TK-SF-120	A	X				
211-BA						
BA-1	F	X			X	2 < pH < 12.5
BA-2	F	X			X	2 < pH < 12.5
NTO-2	F	X				
NTO-3	F	X				
NTO-4	F	X				
NTO-5	F	X				
212-B						
TK-CS-1	A	X				
TK-CS-2	A	X				
TK-CS-3	F	X				

B-PLANT END POINTS
Attachment-A
Vessel Listing Table

HNF-SD-WM-TPP-054
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Tank	Category	Empty	Included in Part A	Add to Part A	Flush	Sample/Comment
217-B						
TK-DW-112 (TK-01)	A	X				
TK-DW-175 (TK-03)	F	X				Remove Remaining Resin
TK-DW-177 (TK-04)	F	X				Remove Remaining Resin
TK-05	A	X				
221-B CELL 5						
TK-5-1	C	X				
E-5-2	E	X		X		
E-5-3	C	X				
221-B CELL 6						
TK-6-1	C	X				
TK-6-2	D	X	X			
221-B CELL 7						
TK-7-1	D	X	X			
TK-7-2	D	X	X			
221-B CELL 8						
TK-8-1	D	X	X			
TK-8-2	D	X	X			
221-B CELL 9						
TK-9-1	E	X		X		
TK-9-2	E	X		X		
221-B CELL 10						
TK-10-1	E	X		X		

B-PLANT END POINTS
Attachment-A
Vessel Listing Table

HNF-SD-WM-TPP-054
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Tank	Category	Empty	Included in Part A	Add to Part A	Flush	Sample/Comment
221-B CELL 11						
TK-11-1	C	X				
TK-11-2	C	X				
221-B CELL 12						
TK-12-1	C	X				
G-12-2	C	X				
221-B CELL 13						
TK-13-1	D	X	X			
G-13-2	C	X				
221-B CELL 14						
TK-14-1	C	X				
TK-14-2	D	X	X			
221-B CELL 17						
TK-17-1	D	X		X		
TK-17-2	D	X		X		
221-B CELL 18						
TK-18-1	C	X				
T-18-2	E	X		X		
TK-18-3	E	X		X		
221-B CELL 19						
TK-19-1	C	X				

B-PLANT END POINTS
Attachment-A
Vessel Listing Table

HNF-SD-WM-TPP-054
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Tank	Category	Empty	Included in Part A	Add to Part A	Flush	Sample/Comment
221-B CELL 20						
TK-20-1	C	X				
E-20-2	E	X		X		
E-20-3	C	X				
221-B CELL 21						
TK-21-1	E	X		X		
T-21-2	C	X				
221-B CELL 22						
TK-22-1	E	X		X		
T-22-2	N/A	X				
E-22-3	N/A	X				
E-22-4	N/A	X				
F-22-5	N/A	X				
F-22-6	N/A	X				
F-22-8-1	N/A	X				
F-22-8-2	N/A	X				
E-22-7	N/A	X				
221-B CELL 23						
TK-23-1	D	X	X			
D-23-2	D	X	X			
E-23-3	D	X	X			
E-23-3-1	D	X	X			
E-23-3-2	D	X	X			
E-23-4	D	X	X			

B-PLANT END POINTS
Attachment-A
Vessel Listing Table

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 Rev. 2C

Tank	Category	Empty	Included in Part A	Add to Part A	Flush	Sample/Comment
221-B CELL 24						
TK-24-1	E	X	X			
221-B CELL 25						
TK-25-1	D	X	X			
TK-25-2	E	X	X			
221-B CELL 26						
TK-26-1	E	X	X			
TK-26-2	C	X				
TK-26-3	E	X		X		
221-B CELL 27						
T-27-1	C	X				
TK-27-2	E	X	X			
TK-27-3	E	X	X			
TK-27-4	C	X	X			
221-B CELL 28						
T-28-1	E	X		X		
TK-28-2	C	X				
TK-28-3	E	X	X			
TK-28-4	C	X	X			
221-B CELL 29						
T-29-1	C	X				
TK-29-2	E	X		X		
TK-29-3	D	X	X			
TK-29-4	C	X	X			

B-PLANT END POINTS
Attachment-A
Vessel Listing Table

HNF-SD-WM-TPP-054
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Tank	Category	Empty	Included in Part A	Add to Part A	Flush	Sample/Comment
221-B CELL 30						
T-30-1	E	X		X		
TK-30-2	C	X				
TK-30-3	E	X	X			
221-B CELL 31						
TK-31-1	C	X				
TK-31-2	C	X				
TK-31-3	C	X				
221-B CELL 32						
TK-32-1	E	X		X		
G-32-2	C	X				
221-B CELL 33						
TK-33-1	D	X		X		
221-B CELL 34						
TK-34-1	C	X				
F-34-4	C	X				
TK-34-2	E	X		X		
TK-34-3	C	X				
221-B CELL 35						
TK-35-1	C	X				
TK-35-2	E	X		X		
E-35-3	C	X				Gravity Drains

B-PLANT END POINTS
Attachment-A
Vessel Listing Table

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Tank	Category	Empty	Included in Part A	Add to Part A	Flush	Sample/Comment
221-B CELL 36						
TK-36-1	D	X		X		
TK-36-2	C	X				
TK-36-3	C	X				
221-B CELL 37						
TK-37-1	C	X				
TK-37-2	C	X				
TK-37-3	C	X				
221-B CELL 38						
TK-38-1	C	X				
TK-38-2	C	X				
TK-38-3	C	X				
TK-38-4	C	X				
T-38-5	C	X				
E-38-6	C	X				
E-38-7	C	X				
TK-38-8	C	X				
221-B CELL 39						
TK-39-1	E	X		X		
TK-39-2	D	X	X			
TK-39-3	C	X				
TK-39-4	C	X				
TK-39-5	D	X	X			

B-PLANT END POINTS
Attachment-A
Vessel Listing Table

HNF-SD-WM-TPP-054
 Rev. 2C

Tank	Category	Empty	Included in Part A	Add to Part A	Flush	Sample/Comment
221-B OPERATING GALLERY VESSEL LIST A						
TK-5A	A	X				
TK-5B	A	X				
TK-6A	A	X				
TK-7A	A	X				
TK-8A	A	X				
TK-9A	A	X				
TK-11A	A	X				
TK-11B	A	X				
TK-11C	A	X				
TK-12A	A	X				
G-12 Oil Lube	A	X				
G-13 Oil Lube	A	X				
TK-13A	A	X				
TK-13B	A	X				
TK-14A	A	X				
TK-14B	A	X				
TK-15A	A	X				
TK-17A	A	X				
TK-18A	A	X				
TK-19A	A	X				
TK-20A	A	X				
TK-23A	A	X				
TK-26A	A	X				
TK-28A	A	X				

B-PLANT END POINTS

HNF-SD-WM-TPP-054

Rev. 2C

Attachment-A Vessel Listing Table

Tank	Category	Empty	Included in Part A	Add to Part A	Flush	Sample/Comment
TK-28C	A	X				
TK-29A	A	X				
TK-29B	A	X				
TK-29C	A	X				
TK-29D	A	X				
TK-30A	A	X				
TK-31A	A	X				
TK-31B	A	X				
TK-31C	A	X				
TK-31-3	A	X				
G-32 Oil Lube	A	X				
TK-32A	A	X				
TK-32B	A	X				
TK-34A	A	X				
TK-35A	A	X				
TK-36A	A	X				
TK-36B	A	X				
TK-37A	A	X				
TK-38A	A	X				
TK-39A	A	X				
221-B OPERATING GALLERY ACTIVE VESSELS						
TK-24A	Active	X				2 < pH < 12.5
TK-25A	Active	X				2 < pH < 12.5
TK-26B	Active	X				
TK-28B	Active	X				

B-PLANT END POINTS

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Rev. 2C

Attachment-A Vessel Listing Table

Tank	Category	Empty	Included in Part A	Add to Part A	Flush	Sample/Comment
221-B PIPE GALLERY						
TK-25-AP	A	X				
E-23-2-1	F	X				
Fire Foam Tank	F	X				
221-B ELECTRICAL GALLERY						
TK-900-A	F	X				
TK-900-B	F	X				
221-BB VESSELS						
BCP	F	X		X		
BCS	F	X		X		
BCS Condenser	F	X				
Sampler	F	X				
Wash Tank	A	X				
Rinse Tank	A	X				
Heater	F	X				
VESSEL VENT PIT						
F-22-9-E	F	X				
F-22-9-W	F	X				
Descaler	A	X				
221-BF						
221-BF-A	F	X		X		
221-BF-B	F	X		X		
271-B FIRST FLOOR						
TK-H-101	A	X				
TK-H-102	A	X				

B-PLANT END POINTS

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Attachment-A

Vessel Listing Table

Tank	Category	Empty	Included in Part A	Add to Part A	Flush	Sample/Comment
271-B THIRD FLOOR						
TK-H-309	A	X				
TK-H-310	A	X				
TK-H-311	A	X				
TK-H-312	A	X				
TK-H-313	A	X				
TK-H-314	A	X				
TK-H-315	A	X				
TK-H-316	A	X				
TK-H-401	A	X				
TK-H-402	A	X				
CDI Module	F	X				Remove Resin
TK-DWS-301	F	X				Remove Filter Media
TK-DWS-302	F	X				Remove Filter Media
TK-DWS-303	F	X				Remove Resin
TK-DWS-304	F	X				Remove Resin
TK-DWS-305	F	X				Remove Resin
TK-DWS-306	F	X				
TK-DWS-307	F	X				
TK-DWS-308	F	X				
276-B						
MO-154-276	A	X				
276-BA						
ISO EAST	F	X	X			

B-PLANT END POINTS

HNF-SD-WM-TPP-054

Rev. 2C

Attachment-A Vessel Listing Table

Tank	Category	Empty	Included in Part A	Add to Part A	Flush	Sample/Comment
YARD						
D, E Filter Seal Tank	F	X				
F Filter Seal Tank	F	X				
Propane Tank	F	X				
TK-270-E-1	F	X				
DEACTIVATED VESSELS						
E-5-3	C					Move from 221-B canyon deck into a cell
Centrifuge	C					Move from 221-B canyon deck into a cell
Resin Tank	C					Located in 221-B canyon cell 2
Centrifuge	C					Located in 221-B canyon cell 2
Condenser	C					Located in 221-B canyon cell 15
Chemical Tank	C					Located in 221-B canyon cell 15
E-20-2	C					Located in 221-B canyon cell 16
TK-100	Inactive			X		Located on Canyon Deck

B-PLANT END POINTS
Attachment-A
Vessel Listing Table

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