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Title/Desc:

END POINT CRITERIA FOR FUEL SUPPLY SHUTDOWN
FACILITIES

Pages: 109

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67

ENGINEERING DATA TRANSMITTAL

Page 1 of 1
1. EDT 606213

2. To: (Receiving Organization) Distribution	3. From: (Originating Organization) Fuel Supply Shutdown	4. Related EDT No.: N/A
5. Proj./Prog./Dept./Div.: Fuel Supply Shutdown/FFFTP/TRP	6. Cog. Engr.: John A. Remaize W19800 K33A2	7. Purchase Order No.: N/A
8. Originator Remarks: Original issue - Revision 0		9. Equip./Component No.: N/A
		10. System/Bldg./Facility: N/A
11. Receiver Remarks:		12. Major Assm. Dwg. No.: N/A
		13. Permit/Permit Application No.: N/A
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1	WHC-SD-NR-DB-004	A11	0	End Point Criteria for Fuel Supply Shutdown Facilities	SQ	1,2	1,2	1,2

16. KEY		
Approval Designator (F)	Reason for Transmittal (G)	Disposition (H) & (I)
E, S, Q, D or N/A (see WHC-CM-3-5, Sec.12.7)	1. Approval 2. Release 3. Information 4. Review 5. Post-Review 6. Dist. (Receipt Acknow. Required)	1. Approved 2. Approved w/comment 3. Disapproved w/comment 4. Reviewed no/comment 5. Reviewed w/comment 6. Receipt acknowledged

17. SIGNATURE/DISTRIBUTION (See Approval Designator for required signatures)										(G)	(H)
Reason	Disp.	(J) Name	(K) Signature	(L) Date	(M) MSIN	(J) Name	(K) Signature	(L) Date	(M) MSIN	Reason	Disp.
1	1	Cog.Eng. J. A. Remaize	<i>[Signature]</i>	3/27/96	16-26						
1	1	Cog. Mgr. I. L. Metcalf	<i>[Signature]</i>	3/27/96	26-26						
1	1	QA M. E. Riste	<i>[Signature]</i>	3/27/96	N2-11						
1	2	Safety A. M. Horner	<i>[Signature]</i>	3/27/96	46-57						
1	1	Env. D. E. Rasmussen	<i>[Signature]</i>	3/27/96	N1-47						

18. <i>[Signature]</i> 3/27/96 Signature of EDT Originator	19. <i>[Signature]</i> 3/27/96 Authorized Representative for Receiving Organization	20. <i>[Signature]</i> 3/27/96 Cognizant Manager	21. DOE APPROVAL (if required) Ctrl. No. ☐ Approved ☐ Approved w/comments ☐ Disapproved w/comments
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End Point Criteria for Fuel Supply Shutdown Facilities

J. E. Remaize

Westinghouse Hanford Company, Richland, WA 99352

U.S. Department of Energy Contract DE-AC06-87RL10930

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Abstract: This document covers the End Point Criteria for Fuel Supply Shutdown Facilities that is to be attained for the transfer of these facilities to the EM-40 Program.

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END POINT CRITERIA FOR FUEL SUPPLY SHUTDOWN FACILITIES

1.0 INTRODUCTION

This report documents the End Point Criteria for Fuel Supply Shutdown (FSS) facilities that has to be attained for the transfer of these facilities to the EM-40 Program.

2.0 FACILITY - BUILDINGS

The FSS includes the following buildings with noncontiguous boundaries: 313, 333, 303A, 303B, 303E, 303F, 303G, 303K/3703G, 303M, 304, 334, 334A, 3712, 3716, and M0052. Also included are the 311 Tank Farms and the 334 Tank Farms. There is a trench system that contains piping interconnecting 334TF, 334A, 333, 303F, 313, and 311TF that is addressed.

WHC-CM-1-3, *Management Requirements and Procedures*, Section 6.12, "Building Management," Rev. 2, Section 4.4, item 2, states: "Maintaining the area within 20 feet of the building structure outer limits with respect to grounds cleanup and general housekeeping. This includes debris moved to areas outside the original area of responsibility. In cases where two buildings are less than 40 feet apart, the median point between the two buildings will be the division line." The preceding will establish the footprint of facilities to be transferred except that the 333, 3716, 334, 334A, 334TF, and 303M footprint will include all areas within the surrounding fence.

3.0 DEVELOPMENT OF CRITERIA

Bechtel Hanford, Inc. (BHI) has provided FSS with a list of 40 requirements that have to be met for the transfer of the facilities to the EM-40 Program.

Fuel Supply Shutdown determined what requirements were applicable to each building and how these requirements will be met. Several building walkdowns were conducted with BHI and FSS personnel to assure understanding of the requirements and actions.

The attached End Point Acceptance Criteria Checklist for the FSS buildings documents the process and, when approved, will be the basis for the continuing efforts of transition for FSS.

The Administrative End Points Checklist covers the administrative documentation issues not included in the End Point Acceptance Criteria Checklist.

As the various transition activities are completed, the implementation/verification document will be inserted in the appropriate column.

4.0 RAIN WATER DRAINAGE

There are no provisions to compensate for rain water disposal. The rain collection drains to the process sewer will not be plugged. However, the rain water collected in the Tank Farms berm will be allowed to accumulate and evaporate.

5.0 CHANGE CONTROL

Changes to End Point Acceptance Criteria Checklist can be made when warranted by preparing an engineering change notice and having it approved by the same level of BHI and Westinghouse Hanford Company approval management.

END POINT CRITERIA TABLES

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END POINT TABLE				
ITEM #	END POINT ACCEPTANCE CRITERIA - 333	ACCEPTANCE INITIALS		IMPLEMENTATION/ VERIFICATION DOCUMENT
		WHC	BHI	
1. 1A.	Prepare and complete deactivation checklist. CHECKSHEET WILL BE PREPARED, COMPLETED AND SIGNED OFF BY BOTH ORGANIZATIONS (WHC AND BHI).			
2.	All pending Radiation Occurrence reports, Unusual Occurrence Reports and/or any other out-of-standard condition reports finalized and closed out in accordance with applicable MRPs. No operable emergency sirens shall remain mounted on or powered from the building.			
2A.	RADIATION OCCURRENCE REPORTS, UNUSUAL OCCURRENCE REPORTS AND/OR ANY OTHER OUT-OF-STANDARD CONDITIONS REPORTS WILL BE FINALIZED AND CLOSED BY WHC.			
2B.	NO EMERGENCY SIRENS SHALL REMAIN OPERABLE.			
3.	The Fuel Supply Shutdown Facilities Interim Safety Basis and Plant Emergency Procedures shall be reviewed and updated for deactivation/shutdown status.			
3A.	REVIEW AND UPDATE OF THE INTERIM SAFETY BASIS REPORT WILL BE COMPLETED AND PROVIDED TO BHI 6 MONTHS PRIOR TO TURNOVER.			
3B.	REVIEW AND UPDATE OF THE PLANT EMERGENCY PROCEDURES WILL BE COMPLETED AND PROVIDED TO BHI 6 MONTHS PRIOR TO TURNOVER.			
4. 4A.	CVI index, drawings, procedures, prints, photographs, history, design and operating documents provided. AVAILABLE ESSENTIAL DRAWINGS, A DRAWING LIST, PROCEDURES, ETC. WILL BE PROVIDED IN TURNOVER FILE.			
5.	All permanent radiologically contaminated areas to be decontaminated and released or the surface contamination levels reduced or fixed in place to minimize re-suspension and/or migration of loose contamination.			
	THE FOLLOWING CONTAMINATED ZONES WILL BE DECONTAMINATED AND RELEASED OR CONTAMINATION LEVELS REDUCED AND FIXED IN PLACE:			
5A.	CHEM BAY			

END POINT TABLE

ITEM #	END POINT ACCEPTANCE CRITERIA - 333	ACCEPTANCE INITIALS		IMPLEMENTATION/ VERIFICATION DOCUMENT
		WHC	BHI	
11B.	BERYLLIUM SYSTEMS WILL BE DECONTAMINATED AND RELEASED WHERE POSSIBLE. SAMPLES WILL BE ANALYZED AND AREAS WHERE DECONTAMINATION WAS NOT SUCCESSFUL WILL BE CONTAINED OR STABILIZED AND DOCUMENTED AS REQUIRED.			
11C.	VACCU-BLAST DUST COLLECTOR WILL HAVE DUST COLLECTION MEDIA REMOVED.			
11D.	CHEM BAY EXHAUST SYSTEM WILL BE DECONTAMINATED AND RELEASED WHERE POSSIBLE. SAMPLES WILL BE ANALYZED AND AREAS WHERE DECONTAMINATION WAS NOT SUCCESSFUL WILL BE DOCUMENTED AS REQUIRED.			
11E.	WATS SYSTEM COMPONENTS WILL BE CLEAN CLOSED ACCORDING TO RCRA CLOSURE PLAN.			
11F.	CHEM BAY PIPING WILL BE REMOVED FROM THE TRENCHES.			
12.	All reactor fuel elements and/or other source and special materials must be removed from the building.			
12A.	ALL SPECIAL NUCLEAR MATERIAL WILL BE REMOVED FROM THE BUILDING.			
13.	Final radiological status surveys available.			
13A.	FINAL RADIOLOGICAL SURVEYS WILL BE INCLUDED WITH THE TURNOVER PACKAGE.			
14.	Tanks, vessels, drums, etc. drained and heels removed.			
	ALL TANKS, VESSELS, DRUMS, ETC. WILL BE DRAINED AND HEELS REMOVED. TANKS WILL BE SWIPE SAMPLED AND CHECKED FOR PH VALUE:			
14A.	WATS SYSTEM TANKS -2 TANKS			
14B.	COMPONENT CLEANING LINE -6 TANKS.			
14C.	BILLET CLEANING LINE -6 TANKS.			
14D.	FINAL ETCH CLEANING LINE -5 TANKS.			
14E.	URANIUM RECOVERY SYSTEM -3 TANKS. (CHEM BAY AREA)			
14F.	PRE-WELD ETCH CLEANING LINE -7 TANKS.			
14G.	COPPER STRIP CLEANING LINE -4 TANKS.			
14H.	PRE-BRAZE ETCH CLEANING LINE -6 TANKS.			

END POINT TABLE

ITEM #	END POINT ACCEPTANCE CRITERIA - 333	ACCEPTANCE INITIALS		IMPLEMENTATION/ VERIFICATION DOCUMENT
		WHC	BHI	
14I.	AUTOCLAVE AREA -16 VESSELS.			
14J.	URANIUM RECOVERY SYSTEM -3 TANKS. (OUTDOOR)			
14K.	WATER TREATMENT SYSTEM -11 TANKS OR VESSELS.			
14L.	CHEM SYSTEM SCRUBBER -1 TANK.			
14M.	URANIUM SCRUBBER SYSTEM -1 TANK.			
15.	All elevator and crane systems are laid up with documentation of the type, weight and class of fluid required for operation, should that become desirable in the future.			
15A.	THERE ARE NO ELEVATORS IN THIS BUILDING.			
15B.	CRANES AND HOISTS WILL NOT BE DRAINED. AVAILABLE REQUIRED INFORMATION WILL BE SUPPLIED FOR THESE CRANES AND HOISTS:			
15B.1	5-TON AUTOCLAVE CRANE			
15B.2	10-TON PRESS CRANE			
15B.3	CHEM BAY 8 HOISTS.			
15B.4	COMPONENT CLEANING LINE HOIST.			
16.	Documentation is available confirming that zero energy checks were made on all de-energized electrical circuits and isolated pressurized systems e.g., water service air, steam, etc. using existing documents to the extent possible.			
16A.	WATER, STEAM, AND SERVICE AIR WILL BE BLANKED AT LOCATION OUTSIDE BUILDING.			
16B.	IF ELECTRICAL SERVICE IS NOT DISCONNECTED BY CUTTING THE FEED CABLES, ENERGY STATUS WILL BE DOCUMENTED ON ENERGIZED ELECTRICAL SYSTEMS.			
17.	Electrical systems reduced to that necessary for S&M and subsequent D&D. This includes removal of emergency light fixtures and the associated batteries. Where appropriate, centralize the remaining electrical services to a single point.			

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END POINT TABLE

ITEM #	END POINT ACCEPTANCE CRITERIA - 333			ACCEPTANCE INITIALS	IMPLEMENTATION/ VERIFICATION DOCUMENT
	WHC	BHI			
17A.	ELECTRICAL SYSTEMS WILL BE APPROPRIATELY ISOLATED AND THE ISOLATION DOCUMENTED, INCLUDING ISOLATION LOCATION(S).				
17B.	CENTRALIZATION OF REMAINING ELECTRICAL POWER SUPPLIES WILL BE DOCUMENTED ON AS-BUILT ONE-LINE SCHEMATICS OF THE SYSTEM.				
18.	All heating, ventilation and air conditioning supply and exhaust air systems shut down and de-energized. This criteria includes evaluation and, as appropriate, the shutdown of the high-efficiency particulate air-filtered (HEPA) ventilation exhaust from process areas.				
18A.	STEAM BLANKED AT MAIN BUILDING CONNECTION (SEE ITEM 26), HEATING SYSTEM FANS DE-ENERGIZED.				
18B.	THREE HEAT PUMPS DE-ENERGIZED AND FREON REMOVED.				
18C.	ALL SIX EXHAUST SYSTEMS DE-ENERGIZED.				
18D.	COVERS PLACED ON EXHAUST STACKS EXCEPT MAIN CHEM BAY EXHAUST. THIS STACK MAY BE BLANKED ON THE INSIDE AT THE ROOF LEVEL.				
18E.	HEPA FILTER MEDIA WILL BE REMOVED FROM EXHAUST SYSTEM.				
19.	All unneeded equipment shut down.				
19A.	THERE WILL NOT BE A NEED FOR ANY OPERATING EQUIPMENT.				
20.	Fire protection systems downgraded.				
20A.	ALL PORTABLE FIRE EXTINGUISHERS WILL BE REMOVED FROM THE BUILDING.				
20B.	THE FIRE SPRINKLER SYSTEM WILL BE DRAINED AND THE FIRE PROTECTION RISERS WILL BE BLANKED AT THE PIV.				
20C.	THE FIRE ALARM PANEL AND ALARM SYSTEM WILL BE DISCONNECTED AND BATTERIES REMOVED.				
21.	The radiation space monitoring system should be reduced to a level required by the Health Physics organization.			NOT APPLICABLE	

END POINT TABLE

ITEM #	END POINT ACCEPTANCE CRITERIA - 333			ACCEPTANCE INITIALS	IMPLEMENTATION/ VERIFICATION DOCUMENT
		WHC	BHI		
22.	The continuous air monitoring system should be reduced to a level required by the Health Physics organization.	NOT APPLICABLE			
23.	The criticality monitoring and alarm system should be deactivated.				
24.	Reduce or eliminate the electrical, service air, and water supply services to the building in accordance with the requirements for S&M.				
24A.	WATER SUPPLY WILL BE BLANKED AT LOCATION OUTSIDE THE BUILDING.				
24B.	SERVICE AIR WILL BE BLANKED AT ENTRANCE TO BUILDING.				
24C.	ELECTRICAL SERVICE WILL BE REDUCED PER ITEM #17.				
25.	Remove all emergency lighting and dispose of associated batteries.				
25A.	ALL EMERGENCY LIGHTING WILL BE REMOVED AND ASSOCIATED BATTERIES DISPOSED.				
26.	The building steam system should be deactivated and tagged.				
26A.	STEAM BLANKED AT BUILDING MAIN CONNECTION OUTSIDE THE BUILDING.				
27.	All effluent flow routes to disposal sites are isolated by sealing at the building.				
	EFFLUENT FLOW ROUTES TO THE PROCESS SEWER WILL BE PLUGGED AT THE BUILDING:				
27A.	CUT UP AREA DRAIN				
27B.	EAST SIDE CHEM BAY PIPE TRENCH DRAIN				
27C.	B SUMP				
27D.	FLOOR DRAINS IN HVAC ROOM				
27E.	WEST SIDE CHEM BAY PIPE TRENCH DRAIN				
27F.	EFFLUENT FLOW ROUTES TO THE SANITARY SEWER WILL BE PLUGGED.				

END POINT TABLE				
ITEM #	END POINT ACCEPTANCE CRITERIA - 333	ACCEPTANCE INITIALS		IMPLEMENTATION/ VERIFICATION DOCUMENT
		WHC	BHI	
28. 28A.	All building penetrations, i.e., louvers, open piping, etc. shall be closed off to prevent bird and animal intrusion. BUILDING PENETRATIONS WILL BE CLOSED OFF TO PREVENT BIRD AND ANIMAL INTRUSION.			
29. 29A.	All systems that were open to facilitate deactivation and could present a radiological and/or an industrial safety problem if left open must be adequately closed off. ALL OPEN SYSTEMS PRESENTING RADIOLOGICAL AND/OR INDUSTRIAL SAFETY PROBLEM WILL BE ADEQUATELY CLOSED OFF.			
30. 30A.	Roof leaks repaired and suspect areas reviewed. ROOF WILL BE INSPECTED WITHIN SIX MONTHS OF TURNOVER DATE AND NECESSARY REPAIRS MADE SO THAT FURTHER MAINTENANCE WILL NOT BE EXPECTED FOR 5 YEARS.			
31.	Office furniture and supplies removed.			
	OFFICE FURNITURE AND SUPPLIES WILL BE REMOVED:			
31A.	EAST MEZZANINE			
31B.	NORTH MEZZANINE			
31C.	EXTRUSION OFFICE			
31D.	BRAZE OFFICE			
31E.	ROOM 11			
32. 32A.	Unnecessary parts, tools, and portable equipment removed. ALL WILL BE REMOVED.			
33. 33A.	Janitorial supplies and unattached hazardous materials removed. ALL WILL BE REMOVED.			

END POINT TABLE				
ITEM #	END POINT ACCEPTANCE CRITERIA - 333	ACCEPTANCE INITIALS		IMPLEMENTATION/ VERIFICATION DOCUMENT
		WHC	BHI	
34. 34A.	Loose and/or damaged asbestos removed or stabilized. LOOSE AND/OR DAMAGED ASBESTOS WILL BE REMOVED OR STABILIZED. ASBESTOS CONDITION ASSESSMENT WILL BE UPDATED WITHIN THREE MONTHS OF TURNOVER.			
35. 35A.	Perform good housekeeping in all zones and areas in and around the facility. GOOD HOUSEKEEPING WILL BE PERFORMED IN ALL ZONES AND AREAS IN AND AROUND FACILITY.			
36.	Any required Environmental Monitoring Systems maintained by the ERC are identified and in serviceable condition.	NOT APPLICABLE		
37.	Any seal pits, dry or wet, must be identified and their radiological status documented and of file.	NOT APPLICABLE		
38. 38A.	All doors should be bolted shut from the inside except those needed for entrance or to comply with emergency egress requirements. Keys Emergency exit doors should have crashbar systems installed. Keys needed for entrance shall be turned over to BHI. DOORS WILL BE LOCKED AND THOSE NEEDED FOR EMERGENCY EXIT WILL HAVE A CRASHBAR. FLOOR PLAN SHOWING ENTRY AND EMERGENCY EXIT LOCATIONS WILL BE PROVIDED TO BHI WITH THE APPROPRIATE KEYS.			
39. 39A.	Environmental and/or other applicable permits associated with the facility must be reviewed with EM-40/BHI to determine the status and applicability for maintaining them. CLEAN CLOSURE VERIFICATION OF WATS AREA WITHIN BUILDING WILL BE PROVIDED.			
40.	Deactivation of the facility shall be accomplished to the extent that future surveillance inspections will not be required on a frequency of more than once each quarter.			
40A.	DEACTIVATION OF FACILITY WILL BE ACCOMPLISHED TO MINIMIZE SURVEILLANCE EXCEPT AS NOTED IN 40B.			
40B.	WEST MEZZANINE AND SHOP AREA BELOW WEST MEZZANINE WILL HAVE ACTIVE HEATING, WATER, SANITARY SEWER, FIRE SUPPRESSION, AND ELECTRICAL SYSTEMS TO PERMIT BHI UTILIZATION, IF APPROVED BY DOE/RL.			

END POINT TABLE				
ITEM #	END POINT ACCEPTANCE CRITERIA - 333	ACCEPTANCE INITIALS		IMPLEMENTATION/ VERIFICATION DOCUMENT
		WHC	BHI	
	<p>END POINTS ACCEPTABLE</p> <p><i>[Signature]</i> WHC</p> <p>END POINTS COMPLETED</p> <p>_____ WHC</p> <p><i>[Signature]</i> BHI</p> <p>_____ BHI</p>			

END POINT TABLE				
ITEM #	END POINT ACCEPTANCE CRITERIA - 303A,B,E,AND G			IMPLEMENTATION/ VERIFICATION DOCUMENT
	ACCEPTANCE INITIALS			
	BHI	WHC		
1.	1A.	Prepare and complete deactivation checklist. CHECKSHEET WILL BE PREPARED, COMPLETED AND SIGNED OFF BY BOTH ORGANIZATIONS (WHC AND BHI).		
2.		All pending Radiation Occurrence reports, Unusual Occurrence Reports and/or any other out-of-standard condition reports finalized and closed out in accordance with applicable MRPs. No operable emergency sirens shall remain mounted on or powered from the building.		
2A.		RADIATION OCCURRENCE REPORTS, UNUSUAL OCCURRENCE REPORTS AND/OR ANY OTHER OUT-OF-STANDARD CONDITIONS REPORTS WILL BE FINALIZED AND CLOSED BY WHC.		
3.		The Fuel Supply Shutdown Facilities Interim Safety Basis Report and Plant Emergency Procedures shall be reviewed and updated for deactivation/shutdown status.		
3A.		REVIEW AND UPDATE OF THE INTERIM SAFETY BASIS REPORT WILL BE COMPLETED AND PROVIDED TO BHI 6 MONTHS PRIOR TO TURNOVER.		
3B.		REVIEW AND UPDATE OF THE PLANT EMERGENCY PROCEDURES WILL BE COMPLETED AND PROVIDED TO BHI 6 MONTHS PRIOR TO TURNOVER.		
4.	4A.	CVI index, drawings, procedures, prints, photographs, history, design and operating documents provided. AVAILABLE ESSENTIAL DRAWINGS, A DRAWING LIST, PROCEDURES, ETC. WILL BE PROVIDED IN TURNOVER FILE.		
5.		All permanent radiologically contaminated areas to be decontaminated and released or the surface contamination levels reduced or fixed in place to minimize re-suspension and/or migration of loose contamination.		
		THE FOLLOWING CONTAMINATED ZONES WILL BE DECONTAMINATED AND RELEASED OR CONTAMINATION LEVELS REDUCED AND FIXED IN PLACE:		
5A.	303A			
5B.	303B			

END POINT TABLE			
ITEM #	END POINT ACCEPTANCE CRITERIA - 303A,B,E,AND G		IMPLEMENTATION/ VERIFICATION DOCUMENT
	ACCEPTANCE INITIALS	WHC BHI	
5C.	303E		
5D.	303G		
6.	Full compliance with Hanford Site Radiological Control Manual must be assured, especially as it pertains to radiological posting. COMPLIANCE WITH HANFORD SITE RADIOLOGICAL CONTROL MANUAL WILL BE CONFIRMED BY HAVING 300 AREA RADIOLOGICAL CONTROL PERFORM AN ASSESSMENT AND WHC WILL CORRECT ALL NOTED DISCREPANCIES.		
7.	Temporary radiologically posted areas are cleaned up and radiologically released. TEMPORARY RADIOLOGICALLY POSTED AREAS WILL BE CLEANED UP AND RELEASED.		
8.	All stored radioactive and mixed waste removed.		
	RADIOACTIVE AND MIXED WASTE WILL BE REMOVED:		
8A.	303A.		
8B.	303B		
8C.	303E		
8D.	303G		
9.	All hazardous materials used for deactivation and cleanup work must be collected and disposed of in accordance with requirements. ALL HAZARDOUS MATERIALS USED FOR DEACTIVATION AND CLEANUP WILL BE REMOVED.		
10.	All unattached hazardous materials(i.e., loose friable asbestos, lead, mercury, etc.) must be removed from the facility and disposed of in accordance with requirements.		
10A.	ALL UNATTACHED HAZARDOUS MATERIALS WILL BE REMOVED.		
11.	Attached hazardous materials located, identified, quantified, labelled as necessary, and recorded.		

END POINT TABLE

ITEM #	END POINT ACCEPTANCE CRITERIA - 303A,B,E,AND G			ACCEPTANCE INITIALS	BHI	IMPLEMENTATION/ VERIFICATION DOCUMENT
	ATTACHED HAZARDOUS MATERIALS WILL BE LOCATED, IDENTIFIED, QUANTIFIED, LABELLED AS NECESSARY AND RECORDED:					
11A.	303A					
11B.	303B					
11C.	303E					
11D.	303G					
12.	All reactor fuel elements and/or other source and special materials must be removed from the building.					
	ALL SPECIAL NUCLEAR MATERIAL WILL BE REMOVED FROM THE BUILDING:					
12A.	303A					
12B.	303B					
12C.	303E					
12D.	303G					
13.	Final radiological status surveys available.					
	FINAL RADIOLOGICAL SURVEYS WILL BE INCLUDED WITH THE DEACTIVATION CHECKSHEET:					
13A.	303A					
13B.	303B					
13C.	303E					
13D.	303G					
14.	Tanks, vessels, drums, etc. drained and heels removed.			NOT APPLICABLE		
15.	All elevator and crane systems are laid up with documentation of the type, weight and class of fluid required for operation, should that become desirable in the future.			NOT APPLICABLE		

END POINT TABLE				
ITEM #	END POINT ACCEPTANCE CRITERIA - 303A,B,E,AND G	ACCEPTANCE INITIALS		IMPLEMENTATION/ VERIFICATION DOCUMENT
		WHC	BHI	
16.	Documentation is available confirming that zero energy checks were made on all de-energized electrical circuits and isolated pressurized systems e.g., water, service air, steam, etc. using existing documents to the extent possible.			
	WATER, STEAM, AND SERVICE AIR WILL BE BLANKED AT LOCATION OUTSIDE BUILDING:			
16A.	303A			
16B.	303B			
16C.	303E			
16D.	303G			
	IF ELECTRICAL SERVICE IS NOT DISCONNECTED BY CUTTING THE FEED CABLES, ENERGY STATUS WILL BE DOCUMENTED ON ENERGIZED ELECTRICAL SYSTEMS:			
16E.	303A			
16F.	303B			
16G.	303E			
16H.	303G			
17.	Electrical systems reduced to that necessary for S&M and subsequent D&D. This includes removal of emergency light fixtures and the associated batteries. Where appropriate, centralize the remaining electrical services to a single point.			
17A.	ELECTRICAL SYSTEMS WILL BE APPROPRIATELY ISOLATED AND THE ISOLATION DOCUMENTED, INCLUDING ISOLATION LOCATION(S).			
18.	All heating, ventilation and air conditioning supply and exhaust air systems shut down and de-energized. This criteria includes evaluation and, as appropriate, the shutdown of the High-efficiency particulate air-filtered (HEPA) ventilation exhaust from process areas.	NOT APPLICABLE		

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END POINT TABLE				
ITEM #	END POINT ACCEPTANCE CRITERIA - 303A,B,E,AND G	ACCEPTANCE INITIALS		IMPLEMENTATION/ VERIFICATION DOCUMENT
		WHC	BHI	
19.	All unneeded equipment shut down.	NOT APPLICABLE		
20.	Fire protection systems downgraded.			
20A.	ALL PORTABLE FIRE EXTINGUISHERS WILL BE REMOVED FROM THE BUILDING.			
20B.	THE FIRE SPRINKLER SYSTEM WILL BE DRAINED AND THE FIRE PROTECTION RISER WILL BE BLANKED AT THE PIV.			
20C.	THE FIRE ALARM PANEL AND ALARM SYSTEM WILL BE DISCONNECTED.			
21.	The radiation space monitoring system should be reduced to a level required by the Health Physics organization.	NOT APPLICABLE		
22.	The continuous air monitoring system should be reduced to a level required by the Health Physics organization.	NOT APPLICABLE		
23. 23A.	The criticality monitoring and alarm system should be deactivated. THE CRITICALITY MONITORING AND ALARM SYSTEM WILL BE DEACTIVATED.			
24.	Reduce or eliminate the electrical, service air, and water supply services to the building in accordance with the requirements for S&M.			
	WATER SUPPLY WILL BE BLANKED AT LOCATION OUTSIDE THE BUILDING:			
24A.	303A			
24B.	303B			
24C.	303E			
24D.	303G			
24E.	ELECTRICAL SERVICE WILL BE REDUCED PER ITEM #17.			
25.	Remove all emergency lighting and dispose of associated batteries.			

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END POINT TABLE				
ITEM #	END POINT ACCEPTANCE CRITERIA - 303A,B,E,AND G	ACCEPTANCE INITIALS		IMPLEMENTATION/ VERIFICATION DOCUMENT
		WHC	BHI	
	ALL EMERGENCY LIGHTING WILL BE REMOVED AND ASSOCIATED BATTERIES DISPOSED:			
25A.	303A			
25B.	303B			
25C.	303E			
25D.	303G			
26.	The building steam system should be deactivated and tagged.			
	STEAM BLANKED AT BUILDING MAIN CONNECTION OUTSIDE THE BUILDING:			
26A.	303A			
26B.	303B	NOT APPLICABLE		
26C.	303E	NOT APPLICABLE		
26D.	303G	NOT APPLICABLE		
27.	All effluent flow routes to disposal sites are isolated by sealing at the building.	NOT APPLICABLE		
28.	All building penetrations, i.e., louvers, open piping, etc. shall be closed off to prevent bird and animal intrusion.			
	BUILDING PENETRATIONS WILL BE CLOSED OFF TO PREVENT BIRD AND ANIMAL INTRUSION:			
28A.	303A			
28B.	303B			
28C.	303E			
28D.	303G			

END POINT TABLE				
ITEM #	END POINT ACCEPTANCE CRITERIA - 303A,B,E,AND G	ACCEPTANCE INITIALS		IMPLEMENTATION/ VERIFICATION DOCUMENT
		WHC	BHI	
29.	All systems that were open to facilitate deactivation and could present a radiological and/or an industrial safety problem if left open must be adequately closed off. ALL OPEN SYSTEMS PRESENTING RADIOLOGICAL AND/OR INDUSTRIAL SAFETY PROBLEM WILL BE ADEQUATELY CLOSED OFF.			
29A.				
30.	Roof leaks repaired and suspect areas reviewed.			
	ROOF WILL BE INSPECTED WITHIN SIX MONTHS OF TURNOVER DATE AND NECESSARY REPAIRS MADE SO THAT FURTHER MAINTENANCE WILL NOT BE EXPECTED FOR 5 YEARS.			
30A.	303A			
30B.	303B			
30C.	303E			
30D.	303G			
31.	Office furniture and supplies removed.	NOT APPLICABLE		
32.	Unnecessary parts, tools, and portable equipment removed.	NOT APPLICABLE		
33.	Janitorial supplies and unattached hazardous materials removed.			
	ALL WILL BE REMOVED:			
33A.	303A			
33B.	303B			
33C.	303E			
33D.	303G			

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END POINT TABLE

ITEM #	END POINT ACCEPTANCE CRITERIA - 303A,B,E,AND G			ACCEPTANCE INITIALS	BHI	IMPLEMENTATION/ VERIFICATION DOCUMENT
34.	Loose and/or damaged asbestos removed or stabilized. LOOSE AND/OR DAMAGED ASBESTOS WILL BE REMOVED OR STABILIZED. ASBESTOS CONDITION ASSESSMENT WILL BE UPDATED WITHIN THREE MONTHS OF TURNOVER:			WHC		
34A.	303A					
34B.	303B					
34C.	303E					
34D.	303G					
35.	Perform good housekeeping in all zones and areas in and around the facility.					
	GOOD HOUSEKEEPING WILL BE PERFORMED IN ALL ZONES AND AREAS IN AND AROUND FACILITY:					
35A.	303A					
35B.	303B					
35C.	303E					
35D.	303G					
36.	Any required Environmental Monitoring Systems maintained by the ERC are identified and in serviceable condition.			NOT APPLICABLE		
37.	Any seal pits,dry or wet, must be identified and their radiological status documented and of file.			NOT APPLICABLE		
38.	All doors should be bolted shut from the inside except those needed for entrance or to comply with emergency egress requirements. Keys needed for entrance shall be turned over to BHI. Emergency exit doors should have crashbar systems installed. Keys needed for entrance shall be turned over to BHI. DOORS WILL BE LOCKED AND THOSE NEEDED FOR EMERGENCY EXIT WILL HAVE A CRASHBAR. FLOOR PLAN SHOWING ENTRY AND EMERGENCY EXIT LOCATIONS WILL BE PROVIDED TO BHI WITH THE APPROPRIATE KEYS:					
38A.	303A					

END POINT TABLE				
ITEM #	END POINT ACCEPTANCE CRITERIA - 303A,B,E,AND G	ACCEPTANCE INITIALS		IMPLEMENTATION/ VERIFICATION DOCUMENT
		WHC	BHI	
38B.	303B			
38C.	303E			
39D.	303G			
39.	Environmental and/or other applicable permits associated with the facility must be reviewed with EM-40/BHI to determine the status and applicability for maintaining them.	NOT APPLICABLE		
40.	Deactivation of the facility shall be accomplished to the extent that future surveillance inspections will not be required on a frequency of more than once each quarter.			
40A.	DEACTIVATION OF FACILITY WILL BE ACCOMPLISHED TO MINIMIZE SURVEILLANCE.			
	<p>END POINTS ACCEPTABLE</p> <p><u><i>[Signature]</i></u> WHC</p> <p><u><i>[Signature]</i></u> BHI</p> <p>END POINTS COMPLETED</p> <p>_____ WHC</p> <p>_____ BHI</p>			

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END POINT TABLE

ITEM #	END POINT ACCEPTANCE CRITERIA - 3716	ACCEPTANCE INITIALS		IMPLEMENTATION/ VERIFICATION DOCUMENT
		WHC	BHI	
1. 1A.	Prepare and complete deactivation checksheet. CHECKSHEET WILL BE PREPARED, COMPLETED AND SIGNED OFF BY BOTH ORGANIZATIONS (WHC AND BHI).			
2.	All pending Radiation Occurrence reports, Unusual Occurrence Reports and/or any other out-of-standard condition reports finalized and closed out in accordance with applicable MRPs. No operable emergency sirens shall remain mounted on or powered from the building.			
2A.	RADIATION OCCURRENCE REPORTS, UNUSUAL OCCURRENCE REPORTS AND/OR ANY OTHER OUT-OF-STANDARD CONDITIONS REPORTS WILL BE FINALIZED AND CLOSED BY WHC.			
3.	The Fuel Supply Shutdown Facilities Interim Safety Basis Report and Plant Emergency Procedures shall be reviewed and updated for deactivation/shutdown status.			
3A.	REVIEW AND UPDATE OF THE INTERIM SAFETY BASIS REPORT WILL BE COMPLETED AND PROVIDED TO BHI 6 MONTHS PRIOR TO TURNOVER.			
3B.	REVIEW AND UPDATE OF THE PLANT EMERGENCY PROCEDURES WILL BE COMPLETED AND PROVIDED TO BHI 6 MONTHS PRIOR TO TURNOVER.			
4. 4A.	CVI index, drawings, procedures, prints, photographs, history, design and operating documents provided. AVAILABLE ESSENTIAL DRAWINGS, A DRAWING LIST, PROCEDURES, ETC. WILL BE PROVIDED IN TURNOVER FILE.			
5.	All permanent radiologically contaminated areas to be decontaminated and released or the surface contamination levels reduced or fixed in place to minimize re-suspension and/or migration of loose contamination. ANY CONTAMINATED ZONES WILL BE DECONTAMINATED AND RELEASED OR CONTAMINATION LEVELS REDUCED AND FIXED IN PLACE.			

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END POINT TABLE				
ITEM #	END POINT ACCEPTANCE CRITERIA - 3716	ACCEPTANCE INITIALS		IMPLEMENTATION/ VERIFICATION DOCUMENT
		WHC	BHI	
6. 6A.	Full compliance with Hanford Site Radiological Control Manual must be assured, especially as it pertains to radiological posting. COMPLIANCE WITH HANFORD SITE RADIOLOGICAL CONTROL MANUAL WILL BE CONFIRMED BY HAVING 300 AREA RADIOLOGICAL CONTROL PERFORM AN ASSESSMENT AND WHC WILL CORRECT ALL NOTED DISCREPANCIES.			
7. 7A.	Temporary radiologically posted areas are cleaned up and radiologically released. TEMPORARY RADIOLOGICALLY POSTED AREAS WILL BE CLEANED UP AND RELEASED.			
8.	All stored radioactive and mixed waste removed.	NOT APPLICABLE		
9. 9A.	All hazardous materials used for deactivation and cleanup work must be collected and disposed of in accordance with requirements. ALL HAZARDOUS MATERIALS USED FOR DEACTIVATION AND CLEANUP WILL BE REMOVED.			
10. 10A.	All unattached hazardous materials(i.e., loose friable asbestos, lead, mercury, etc.) must be removed from the facility and disposed of in accordance with requirements. ALL UNATTACHED HAZARDOUS MATERIALS WILL BE REMOVED.			
11. 11A.	Attached hazardous materials located, identified, quantified, labelled as necessary, and recorded. ATTACHED HAZARDOUS MATERIALS WILL BE LOCATED, IDENTIFIED, QUANTIFIED, LABELLED AS NECESSARY AND RECORDED.			
12. 12A.	All reactor fuel elements and/or other source and special materials must be removed from the building. ALL SPECIAL NUCLEAR MATERIAL WILL BE REMOVED FROM THE BUILDING.			
13. 13A.	Final radiological status surveys available. FINAL RADIOLOGICAL SURVEYS WILL BE INCLUDED WITH THE DEACTIVATION CHECKSHEET.			

END POINT TABLE

ITEM #	END POINT ACCEPTANCE CRITERIA - 3716	ACCEPTANCE INITIALS		IMPLEMENTATION/ VERIFICATION DOCUMENT
		WHC	BHI	
14.	Tanks, vessels, drums, etc. drained and heels removed.	NOT APPLICABLE		
15.	All elevator and crane systems are laid up with documentation of the type, weight and class of fluid required for operation, should that become desirable in the future.	NOT APPLICABLE		
16.	Documentation is available confirming that zero energy checks were made on all de-energized electrical circuits and isolated pressurized systems e.g., water, service air, steam, etc. using existing documents to the extent possible.			
16A.	WATER, STEAM, AND SERVICE AIR WILL BE BLANKED AT LOCATION OUTSIDE BUILDING.			
16B.	IF ELECTRICAL SERVICE IS NOT DISCONNECTED BY CUTTING THE FEED CABLES, ENERGY STATUS WILL BE DOCUMENTED ON ENERGIZED ELECTRICAL SYSTEMS.			
17.	Electrical systems reduced to that necessary for S&M and subsequent D&D. This includes removal of emergency light fixtures and the associated batteries. Where appropriate, centralize the remaining electrical services to a single point.			
17A.	ELECTRICAL SYSTEMS WILL BE APPROPRIATELY ISOLATED AND THE ISOLATION DOCUMENTED, INCLUDING ISOLATION LOCATION(S).			
18.	All heating, ventilation and air conditioning supply and exhaust air systems shut down and de-energized. This criteria includes evaluation and, as appropriate, the shutdown of the High-efficiency particulate air-filtered (HEPA) ventilation exhaust from process areas.	NOT APPLICABLE		
19.	All unneeded equipment shut down.	NOT APPLICABLE		
20.	Fire protection systems downgraded.			

END POINT TABLE				
ITEM #	END POINT ACCEPTANCE CRITERIA - 3716	ACCEPTANCE INITIALS		IMPLEMENTATION/ VERIFICATION DOCUMENT
		WHC	BHI	
20A.	ALL PORTABLE FIRE EXTINGUISHERS WILL BE REMOVED FROM THE BUILDING.			
20B.	THE FIRE SPRINKLER SYSTEM WILL BE DRAINED AND THE FIRE PROTECTION RISER WILL BE BLANKED AT THE PIV.			
21.	The radiation space monitoring system should be reduced to a level required by the Health Physics organization.	NOT APPLICABLE		
22.	The continuous air monitoring system should be reduced to a level required by the Health Physics organization.	NOT APPLICABLE		
23. 23A.	The criticality monitoring and alarm system should be deactivated. THE CRITICALITY MONITORING AND ALARM SYSTEM WILL BE DEACTIVATED.			
24.	Reduce or eliminate the electrical, service air, and water supply services to the building in accordance with the requirements for S&M.			
24A.	WATER SUPPLY WILL BE BLANKED AT LOCATION OUTSIDE THE BUILDING.			
24B.	ELECTRICAL SERVICE WILL BE REDUCED PER ITEM #17.			
24C.	SERVICE AIR WILL BE BLANKED AT ENTRANCE TO THE BUILDING.			
25. 25A.	Remove all emergency lighting and dispose of associated batteries. ALL EMERGENCY LIGHTING WILL BE REMOVED AND ASSOCIATED BATTERIES DISPOSED.			
26. 26A.	The building steam system should be deactivated and tagged. STEAM BLANKED AT BUILDING MAIN CONNECTION OUTSIDE THE BUILDING.			
27.	All effluent flow routes to disposal sites are isolated by sealing at the building.			
27A.	EFFLUENT FLOW ROUTES TO THE PROCESS SEWER WILL BE PLUGGED AT THE BUILDING.			

END POINT TABLE				
ITEM #	END POINT ACCEPTANCE CRITERIA - 3716	ACCEPTANCE INITIALS		IMPLEMENTATION/ VERIFICATION DOCUMENT
		WHC	BHI	
27B.	EFFLUENT FLOW ROUTES TO THE SANITARY SEWER WILL BE PLUGGED.			
28. 28A.	All building penetrations, i.e., louvers, open piping, etc. shall be closed off to prevent bird and animal intrusion. BUILDING PENETRATIONS WILL BE CLOSED OFF TO PREVENT BIRD AND ANIMAL INTRUSION.			
29. 29A.	All systems that were open to facilitate deactivation and could present a radiological and/or an industrial safety problem if left open must be adequately closed off. ALL OPEN SYSTEMS PRESENTING RADIOLOGICAL AND/OR INDUSTRIAL SAFETY PROBLEM WILL BE ADEQUATELY CLOSED OFF.			
30. 30A.	Roof leaks repaired and suspect areas reviewed. ROOF WILL BE INSPECTED WITHIN SIX MONTHS OF TURNOVER DATE AND NECESSARY REPAIRS MADE SO THAT FURTHER MAINTENANCE WILL NOT BE EXPECTED FOR 5 YEARS.			
31.	Office furniture and supplies removed.	NOT APPLICABLE		
32.	Unnecessary parts, tools, and portable equipment removed.	NOT APPLICABLE		
33.	Janitorial supplies and unattached hazardous materials removed.	NOT APPLICABLE		
34. 34A.	Loose and/or damaged asbestos removed or stabilized. LOOSE AND/OR DAMAGED ASBESTOS WILL BE REMOVED OR STABILIZED. ASBESTOS CONDITION ASSESSMENT WILL BE UPDATED WITHIN THREE MONTHS OF TURNOVER.			

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END POINT TABLE				
ITEM #	END POINT ACCEPTANCE CRITERIA - 3716	ACCEPTANCE INITIALS		IMPLEMENTATION/ VERIFICATION DOCUMENT
		WHC	BHI	
35. 35A.	Perform good housekeeping in all zones and areas in and around the facility. GOOD HOUSEKEEPING WILL BE PERFORMED IN ALL ZONES AND AREAS IN AND AROUND FACILITY.			
36.	Any required Environmental Monitoring Systems maintained by the ERC are identified and in serviceable condition.	NOT APPLICABLE		
37.	Any seal pits, dry or wet, must be identified and their radiological status documented and of file.	NOT APPLICABLE		
38. 39A.	All doors should be bolted shut from the inside except those needed for entrance or to comply with emergency egress requirements. Emergency exit doors should have crashbar systems installed. Keys needed for entrance shall be turned over to BHI. DOORS WILL BE LOCKED AND THOSE NEEDED FOR EMERGENCY EXIT WILL HAVE A CRASHBAR. FLOOR PLAN SHOWING ENTRY AND EMERGENCY EXIT LOCATIONS WILL BE PROVIDED TO BHI WITH THE APPROPRIATE KEYS.			
39.	Environmental and/or other applicable permits associated with the facility must be reviewed with EM-40/BHI to determine the status and applicability for maintaining them.	NOT APPLICABLE		
40.	Deactivation of the facility shall be accomplished to the extent that future surveillance inspections will not be required on a frequency of more than once each quarter.			
40A.	DEACTIVATION OF FACILITY WILL BE ACCOMPLISHED TO MINIMIZE SURVEILLANCE.			

END POINT TABLE				
ITEM #	END POINT ACCEPTANCE CRITERIA - 3716	ACCEPTANCE INITIALS		IMPLEMENTATION/ VERIFICATION DOCUMENT
		WHC	BHI	
	<p>END POINTS ACCEPTABLE</p> <p><u><i>[Signature]</i></u> WHC</p> <p><u><i>[Signature]</i></u> BHI</p> <p>END POINTS COMPLETED</p> <p>_____ WHC</p> <p>_____ BHI</p>			

END POINT TABLE				
ITEM #	END POINT ACCEPTANCE CRITERIA - 3712	ACCEPTANCE INITIALS		IMPLEMENTATION/ VERIFICATION DOCUMENT
		WHC	BHI	
1. 1A.	Prepare and complete deactivation checklist. CHECKSHEET WILL BE PREPARED, COMPLETED AND SIGNED OFF BY BOTH ORGANIZATIONS (WHC AND BHI).			
2.	All pending Radiation Occurrence reports, Unusual Occurrence Reports and/or any other out-of-standard condition reports finalized and closed out in accordance with applicable MRPs. No operable emergency sirens shall remain mounted on or powered from the building.			
2A.	RADIATION OCCURRENCE REPORTS, UNUSUAL OCCURRENCE REPORTS AND/OR ANY OTHER OUT-OF-STANDARD CONDITIONS REPORTS WILL BE FINALIZED AND CLOSED BY WHC.			
3.	The Fuel Supply Shutdown Facilities Interim Safety Basis Report and Plant Emergency Procedures shall be reviewed and updated for deactivation/shutdown status.			
3A.	REVIEW AND UPDATE OF THE INTERIM SAFETY BASIS REPORT WILL BE COMPLETED AND PROVIDED TO BHI 6 MONTHS PRIOR TO TURNOVER.			
3B.	REVIEW AND UPDATE OF THE PLANT EMERGENCY PROCEDURES WILL BE COMPLETED AND PROVIDED TO BHI 6 MONTHS PRIOR TO TURNOVER.			
4. 4A.	CVI index, drawings, procedures, prints, photographs, history, design and operating documents provided. AVAILABLE ESSENTIAL DRAWINGS, A DRAWING LIST, PROCEDURES, ETC. WILL BE PROVIDED IN TURNOVER FILE.			
5. 5A.	All permanent radiologically contaminated areas to be decontaminated and released or the surface contamination levels reduced or fixed in place to minimize re-suspension and/or migration of loose contamination. ANY CONTAMINATED ZONES WILL BE DECONTAMINATED AND RELEASED OR CONTAMINATION LEVELS REDUCED AND FIXED IN PLACE.			

END POINT TABLE				
ITEM #	END POINT ACCEPTANCE CRITERIA - 3712	ACCEPTANCE INITIALS		IMPLEMENTATION/ VERIFICATION DOCUMENT
		WHC	BHI	
6. 6A.	Full compliance with Hanford Site Radiological Control Manual must be assured, especially as it pertains to radiological posting. COMPLIANCE WITH HANFORD SITE RADIOLOGICAL CONTROL MANUAL WILL BE CONFIRMED BY HAVING 300 AREA RADIOLOGICAL CONTROL PERFORM AN ASSESSMENT AND WHC WILL CORRECT ALL NOTED DISCREPANCIES.			
7. 7A.	Temporary radiologically posted areas are cleaned up and radiologically released. TEMPORARY RADIOLOGICALLY POSTED AREAS WILL BE CLEANED UP AND RELEASED.			
8.	All stored radioactive and mixed waste removed.	NOT APPLICABLE		
9. 9A.	All hazardous materials used for deactivation and cleanup work must be collected and disposed of in accordance with requirements. ALL HAZARDOUS MATERIALS USED FOR DEACTIVATION AND CLEANUP WILL BE REMOVED.			
10. 10A.	All unattached hazardous materials(i.e., loose friable asbestos, lead, mercury, etc.) must be removed from the facility and disposed of in accordance with requirements. ALL UNATTACHED HAZARDOUS MATERIALS WILL BE REMOVED.			
11. 11A.	Attached hazardous materials located, identified, quantified, labelled as necessary, and recorded. ATTACHED HAZARDOUS MATERIALS WILL BE LOCATED, IDENTIFIED, QUANTIFIED, LABELLED AS NECESSARY AND RECORDED.			
12. 12A.	All reactor fuel elements and/or other source and special materials must be removed from the building. ALL SPECIAL NUCLEAR MATERIAL WILL BE REMOVED FROM THE BUILDING.			

END POINT TABLE				
ITEM #	END POINT ACCEPTANCE CRITERIA - 3712	ACCEPTANCE INITIALS		IMPLEMENTATION/ VERIFICATION DOCUMENT
		WHC	BHI	
13. 13A.	Final radiological status surveys available. FINAL RADIOLOGICAL SURVEYS WILL BE INCLUDED WITH THE DEACTIVATION CHECKSHEET.			
14.	Tanks, vessels, drums, etc. drained and heels removed.	NOT APPLICABLE		
15.	All elevator and crane systems are laid up with documentation of the type, weight and class of fluid required for operation, should that become desirable in the future.	NOT APPLICABLE		
16.	Documentation is available confirming that zero energy checks were made on all de-energized electrical circuits and isolated pressurized systems e.g., water, service air, steam, etc. using existing documents to the extent possible.			
16a.	WATER, STEAM, AND SERVICE AIR WILL BE BLANKED AT LOCATION OUTSIDE BUILDING.			
16B.	IF ELECTRICAL SERVICE IS NOT DISCONNECTED BY CUTTING THE FEED CABLES, ENERGY STATUS WILL BE DOCUMENTED ON ENERGIZED ELECTRICAL SYSTEMS.			
17. 17A.	Electrical systems reduced to that necessary for S&M and subsequent D&D. This includes removal of emergency light fixtures and the associated batteries. Where appropriate, centralize the remaining electrical services to a single point. ELECTRICAL SYSTEMS WILL BE APPROPRIATELY ISOLATED AND THE ISOLATION DOCUMENTED, INCLUDING ISOLATION LOCATION(S).			
18.	All heating, ventilation and air conditioning supply and exhaust air systems shut down and de-energized. This criteria includes evaluation and, as appropriate, the shutdown of the High-efficiency particulate air-filtered (HEPA) ventilation exhaust from process areas.	NOT APPLICABLE		

END POINT TABLE				
ITEM #	END POINT ACCEPTANCE CRITERIA - 3712	ACCEPTANCE INITIALS		IMPLEMENTATION/ VERIFICATION DOCUMENT
		WHC	BHI	
19.	All unneeded equipment shut down.	NOT APPLICABLE		
20.	Fire protection systems downgraded.			
20A.	ALL PORTABLE FIRE EXTINGUISHERS WILL BE REMOVED FROM THE BUILDING.			
20B.	THE FIRE SPRINKLER SYSTEM WILL BE DRAINED AND THE FIRE PROTECTION RISER WILL BE BLANKED AT THE PIV.			
21.	The radiation space monitoring system should be reduced to a level required by the Health Physics organization.	NOT APPLICABLE		
22.	The continuous air monitoring system should be reduced to a level required by the Health Physics organization.	NOT APPLICABLE		
23. 23A.	The criticality monitoring and alarm system should be deactivated. THE CRITICALITY MONITORING AND ALARM SYSTEM WILL BE DEACTIVATED.			
24.	Reduce or eliminate the electrical and water supply services to the building in accordance with the requirements for S&M.			
24A.	WATER SUPPLY WILL BE BLANKED AT LOCATION OUTSIDE THE BUILDING.			
24B.	ELECTRICAL SERVICE WILL BE REDUCED PER ITEM #17.			
25. 25A.	Remove all emergency lighting and dispose of associated batteries. ALL EMERGENCY LIGHTING WILL BE REMOVED AND ASSOCIATED BATTERIES DISPOSED.			
26. 26A.	The building steam system should be deactivated and tagged. STEAM SYSTEM BLANKED AT BUILDING MAIN CONNECTION OUTSIDE THE BUILDING.			

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END POINT TABLE				
ITEM #	END POINT ACCEPTANCE CRITERIA - 3712	ACCEPTANCE INITIALS		IMPLEMENTATION/ VERIFICATION DOCUMENT
		WHC	BHI	
27. 27A.	All effluent flow routes to disposal sites are isolated by sealing at the building. EFFLUENT FLOW ROUTE TO THE PROCESS SEWER WILL BE PLUGGED.			
28. 28A.	All building penetrations, i.e., louvers, open piping, etc. shall be closed off to prevent bird and animal intrusion. BUILDING PENETRATIONS WILL BE CLOSED OFF TO PREVENT BIRD AND ANIMAL INTRUSION.			
29. 29A.	All systems that were open to facilitate deactivation and could present a radiological and/or an industrial safety problem if left open must be adequately closed off. ALL OPEN SYSTEMS PRESENTING RADIOLOGICAL AND/OR INDUSTRIAL SAFETY PROBLEM WILL BE ADEQUATELY CLOSED OFF.			
30. 30A.	Roof leaks repaired and suspect areas reviewed. ROOF WILL BE INSPECTED WITHIN SIX MONTHS OF TURNOVER DATE AND NECESSARY REPAIRS MADE SO THAT FURTHER MAINTENANCE WILL NOT BE EXPECTED FOR 5 YEARS.			
31.	Office furniture and supplies removed.	NOT APPLICABLE		
32.	Unnecessary parts, tools, and portable equipment removed.	NOT APPLICABLE		
33.	Janitorial supplies and unattached hazardous materials removed.	NOT APPLICABLE		

END POINT TABLE				
ITEM #	END POINT ACCEPTANCE CRITERIA - 3712			IMPLEMENTATION/ VERIFICATION DOCUMENT
	ACCEPTANCE INITIALS		WHC	BHI
34.	Loose and/or damaged asbestos removed or stabilized. LOOSE AND/OR DAMAGED ASBESTOS WILL BE REMOVED OR STABILIZED. ASBESTOS CONDITION ASSESSMENT WILL BE UPDATED WITHIN THREE MONTHS OF TURNOVER.			
35.	Perform good housekeeping in all zones and areas in and around the facility. GOOD HOUSEKEEPING WILL BE PERFORMED IN ALL ZONES AND AREAS IN AND AROUND FACILITY.			
36.	Any required Environmental Monitoring Systems maintained by the ERC are identified and in serviceable condition.			NOT APPLICABLE
37.	Any seal pits, dry or wet, must be identified and their radiological status documented and of file.			NOT APPLICABLE
38.	All doors should be bolted shut from the inside except those needed for entrance or to comply with emergency egress requirements. Emergency exit doors should have crashbar systems installed. Keys needed for entrance shall be turned over to BHI. DOORS WILL BE LOCKED AND THOSE NEEDED FOR EMERGENCY EXIT WILL HAVE A CRASHBAR. FLOOR PLAN SHOWING ENTRY AND EMERGENCY EXIT LOCATIONS WILL BE PROVIDED TO BHI WITH THE APPROPRIATE KEYS.			
39.	Environmental and/or other applicable permits associated with the facility must be reviewed with EM-40/BHI to determine the status and applicability for maintaining them.			NOT APPLICABLE
40.	Deactivation of the facility shall be accomplished to the extent that future surveillance inspections will not be required on a frequency of more than once each quarter.			
40A.	DEACTIVATION OF FACILITY WILL BE ACCOMPLISHED TO MINIMIZE SURVEILLANCE.			

END POINT TABLE				
ITEM #	END POINT ACCEPTANCE CRITERIA - 3712	ACCEPTANCE INITIALS		IMPLEMENTATION/ VERIFICATION DOCUMENT
		WHC	BHI	
	END POINTS ACCEPTABLE WHC BHI			
	END POINTS COMPLETED WHC BHI			

ENDPOINT TABLE				
ITEM #	ENDPOINT ACCEPTANCE CRITERIA - 313 SOUTH			IMPLEMENTATION/ VERIFICATION DOCUMENT
	ACCEPTANCE INITIALS			
	WHC	BHI		
1.	1A. CHECKSHEET WILL BE PREPARED, COMPLETED AND SIGNED OFF BY BOTH ORGANIZATIONS (WMC AND BHI).			
2.	All pending Radiation Occurrence reports, Unusual Occurrence Reports and/or any other out-of-standard condition reports finalized and closed out in accordance with applicable MRPs. No operable emergency sirens shall remain mounted on or powered from the building.			
2A.	RADIATION OCCURRENCE REPORTS, UNUSUAL OCCURRENCE REPORTS AND/OR ANY OTHER OUT-OF-STANDARD CONDITIONS REPORTS WILL BE FINALIZED AND CLOSED BY WMC.			
2B.	NO EMERGENCY SIREN WILL REMAIN OPERABLE.			
3.	The Fuel Supply Shutdown Facilities Interim Safety Basis Report and Plant Emergency Procedures shall be reviewed and updated for deactivation/shutdown status.			
3A.	REVIEW AND UPDATE OF THE INTERIM SAFETY BASIS REPORT WILL BE COMPLETED AND PROVIDED TO BHI 6 MONTHS PRIOR TO TURNOVER.			
3B.	REVIEW AND UPDATE OF THE PLANT EMERGENCY PROCEDURES WILL BE COMPLETED AND PROVIDED TO BHI 6 MONTHS PRIOR TO TURNOVER.			
4.	CVI index, drawings, procedures, prints, photographs, history, design and operating documents provided.			
4A.	BE PROVIDED IN TURNOVER FILE.			
5.	All permanent radiologically contaminated areas to be decontaminated and released or the surface contamination levels reduced or fixed in place to minimize re-suspension and/or migration of loose contamination.			
	ANY CONTAMINATED ZONES WILL BE DECONTAMINATED AND RELEASED OR CONTAMINATION LEVELS REDUCED AND FIXED IN PLACE.			

ENDPOINT TABLE

ITEM #	ENDPOINT ACCEPTANCE CRITERIA - 313 SOUTH	ACCEPTANCE INITIALS		IMPLEMENTATION/ VERIFICATION DOCUMENT
		WHC	BHI	
6. 6A.	Full compliance with Hanford Site Radiological Control Manual must be assured, especially as it pertains to radiological posting. COMPLIANCE WITH HANFORD SITE RADIOLOGICAL CONTROL MANUAL WILL BE CONFIRMED BY HAVING 300 AREA RADIOLOGICAL CONTROL PERFORM AN ASSESSMENT AND WHC WILL CORRECT ALL NOTED DISCREPANCIES.			
7. 7A.	Temporary radiologically posted areas are cleaned up and radiologically released. TEMPORARY RADIOLOGICALLY POSTED AREAS WILL BE CLEANED UP AND RELEASED.			
8. 8A.	All stored radioactive and mixed waste removed. RADIOACTIVE AND MIXED WASTE WILL BE REMOVED.			
9. 9A.	All hazardous materials used for deactivation and cleanup work must be collected and disposed of in accordance with requirements. ALL HAZARDOUS MATERIALS USED FOR DEACTIVATION AND CLEANUP WILL BE REMOVED.			
10. 10A.	All unattached hazardous materials(i.e., loose friable asbestos, lead, mercury, etc.) must be removed from the facility and disposed of in accordance with requirements. ALL UNATTACHED HAZARDOUS MATERIALS WILL BE REMOVED.			
11. 11A.	Attached hazardous materials located, identified, quantified, labelled as necessary, and recorded. ATTACHED HAZARDOUS MATERIALS WILL BE LOCATED, IDENTIFIED, QUANTIFIED, LABELLED AS NECESSARY AND RECORDED.			
12. 12A.	All reactor fuel elements and/or other source and special materials must be removed from the building. ALL SPECIAL NUCLEAR MATERIAL WILL BE REMOVED FROM THE BUILDING.			
13. 13A.	Final radiological status surveys available. FINAL RADIOLOGICAL SURVEYS WILL BE INCLUDED WITH THE DEACTIVATION CHECKSHEET.			

ENDPOINT TABLE				
ITEM #	ENDPOINT ACCEPTANCE CRITERIA - 313 SOUTH	ACCEPTANCE INITIALS		IMPLEMENTATION/ VERIFICATION DOCUMENT
		WHC	BHI	
14. 14A.	Tanks, vessels, drums, etc. drained and heels removed. WATS SYSTEM WILL BE CLEAN CLOSED.			
15.	All elevator and crane systems are laid up with documentation of the type, weight and class of fluid required for operation, should that become desirable in the future.	NOT APPLICABLE		
16.	Documentation is available confirming that zero energy checks were made on all de-energized electrical circuits and isolated pressurized systems e.g., water, service air, steam, etc. using existing documents to the extent possible.			
16A.	WATER, STEAM, AND SERVICE AIR WILL BE BLANKED AT LOCATION OUTSIDE BUILDING.			
16B.	IF ELECTRICAL SERVICE IS NOT DISCONNECTED BY CUTTING THE FEED CABLES, ENERGY STATUS WILL BE DOCUMENTED ON ENERGIZED ELECTRICAL SYSTEMS.			
17. 17A.	Electrical systems reduced to that necessary for S&M and subsequent D&D. This includes removal of emergency light fixtures and the associated batteries. Where appropriate, centralize the remaining electrical services to a single point. ELECTRICAL SYSTEMS WILL BE APPROPRIATELY ISOLATED AND THE ISOLATION DOCUMENTED, INCLUDING ISOLATION LOCATION(S).			
18. 18A.	All heating, ventilation and air conditioning supply and exhaust air systems shut down and de-energized. This criteria includes evaluation and, as appropriate, the shutdown of the High-efficiency particulate air-filtered (HEPA) ventilation exhaust from process areas. VENTILATION SYSTEM WILL BE SHUT DOWN AND EXHAUST STACKS CAPPED.			
19.	All unneeded equipment shut down.	NOT APPLICABLE		
20.	Fire protection systems downgraded.			

ENDPOINT TABLE				
ITEM #	ENDPOINT ACCEPTANCE CRITERIA - 313 SOUTH	ACCEPTANCE INITIALS		IMPLEMENTATION/ VERIFICATION DOCUMENT
		WHC	BHI	
20A.	ALL PORTABLE FIRE EXTINGUISHERS WILL BE REMOVED FROM THE BUILDING.			
20B.	THE FIRE ALARM SYSTEM WILL BE DEACTIVATED.			
21.	The radiation space monitoring system should be reduced to a level required by the Health Physics organization.	NOT APPLICABLE		
22.	The continuous air monitoring system should be reduced to a level required by the Health Physics organization.	NOT APPLICABLE		
23. 23A.	The criticality monitoring and alarm system should be deactivated. THE CRITICALITY MONITORING AND ALARM SYSTEM WILL BE DEACTIVATED.			
24.	Reduce or eliminate the electrical and water supply services to the building in accordance with the requirements for S&M.			
24A.	WATER SUPPLY WILL BE BLANKED AT LOCATION OUTSIDE THE BUILDING.			
24B.	ELECTRICAL SERVICE WILL BE REDUCED PER ITEM #17.			
25. 25A.	Remove all emergency lighting and dispose of associated batteries. ALL EMERGENCY LIGHTING WILL BE REMOVED AND ASSOCIATED BATTERIES DISPOSED.			
26. 26A.	The building steam system should be deactivated and tagged. STEAM BLANKED AT BUILDING MAIN CONNECTION OUTSIDE THE BUILDING.			
27. 27A.	All effluent flow routes to disposal sites are isolated by sealing at the building. EFFLUENT FLOW ROUTES TO THE PROCESS AND SANITARY SEWERS WILL BE PLUGGED AT THE BUILDING.			

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ENDPOINT TABLE				
ITEM #	ENDPOINT ACCEPTANCE CRITERIA - 313 SOUTH	ACCEPTANCE INITIALS		IMPLEMENTATION/ VERIFICATION DOCUMENT
		WHC	BHI	
28. 28A.	All building penetrations, i.e., louvers, open piping, etc. shall be closed off to prevent bird and animal intrusion. BUILDING PENETRATIONS WILL BE CLOSED OFF TO PREVENT BIRD AND ANIMAL INTRUSION.			
29. 29A.	All systems that were open to facilitate deactivation and could present a radiological and/or an industrial safety problem if left open must be adequately closed off. ALL OPEN SYSTEMS PRESENTING RADIOLOGICAL AND/OR INDUSTRIAL SAFETY PROBLEM WILL BE ADEQUATELY CLOSED OFF.			
30. 30A.	Roof leaks repaired and suspect areas reviewed. NO ACTION WILL BE TAKEN ON THE ROOF. BUILDING ISOLATION IS INTENDED TO ALLOW BUILDING TRANSFER WITH EXISTING ROOF CONDITION.			
31. 31A.	Office furniture and supplies removed. ALL WILL BE REMOVED.			
32. 32A.	Unnecessary parts, tools, and portable equipment removed. ALL WILL BE REMOVED.			
33. 33A.	Janitorial supplies and unattached hazardous materials removed. ALL WILL BE REMOVED.			
34. 34A.	Loose and/or damaged asbestos removed or stabilized. LOOSE AND/OR DAMAGED ASBESTOS WILL BE REMOVED OR STABILIZED. ASBESTOS CONDITION ASSESSMENT WILL BE UPDATED WITHIN THREE MONTHS OF TURNOVER.			
35. 35A.	Perform good housekeeping in all zones and areas in and around the facility. GOOD HOUSEKEEPING WILL BE PERFORMED IN ALL ZONES AND AREAS IN AND AROUND FACILITY.			
36.	Any required Environmental Monitoring Systems maintained by the ERC are identified and in serviceable condition.	NOT APPLICABLE		

ENDPOINT TABLE				
ITEM #	ENDPOINT ACCEPTANCE CRITERIA - 313 SOUTH	ACCEPTANCE INITIALS		IMPLEMENTATION/ VERIFICATION DOCUMENT
		WHC	BHI	
37.	Any seal pits,dry or wet, must be identified and their radiological status documented and of file.	NOT APPLICABLE		
38.	All doors should be bolted shut from the inside except those needed for entrance or to comply with emergency egress requirements. Emergency exit doors should have crashbar systems installed. Keys needed for entrance shall be turned over to BHI.			
39A.	DOORS WILL BE LOCKED AND THOSE NEEDED FOR EMERGENCY EXIT WILL HAVE A CRASHBAR. FLOOR PLAN SHOWING ENTRY AND EMERGENCY EXIT LOCATIONS WILL BE PROVIDED TO BHI WITH THE APPROPRIATE KEYS.			
39.	Environmental and/or other applicable permits associated with the facility must be reviewed with EM-40/BHI to determine the status and applicability for maintaining them.			
39A.	CLEAN CLOSURE VERIFICATION OF WATS WILL BE PROVIDED TO BHI.			
40.	Deactivation of the facility shall be accomplished to the extent that future surveillance inspections will not be required on a frequency of more than once each quarter.			
40A.	ISOLATION PROJECT IS INTENDED TO ELIMINATE SURVEILLANCE.			
	END POINTS ACCEPTABLE WHC END POINTS COMPLETED BHI			

ENDPOINT TABLE				
ITEM #	ENDPOINT ACCEPTANCE CRITERIA - 313 NORTH	ACCEPTANCE INITIALS		IMPLEMENTATION/ VERIFICATION DOCUMENT
		WHC	BHI	
1. 1A.	Prepare and complete deactivation checksheet. CHECKSHEET WILL BE PREPARED, COMPLETED AND SIGNED OFF BY BOTH ORGANIZATIONS (WHC AND BHI).			
2.	All pending Radiation Occurrence reports, Unusual Occurrence Reports and/or any other out-of-standard condition reports finalized and closed out in accordance with applicable MRPs. No operable emergency sirens shall remain mounted on or powered from the building.			
2A.	RADIATION OCCURRENCE REPORTS, UNUSUAL OCCURRENCE REPORTS AND/OR ANY OTHER OUT-OF-STANDARD CONDITIONS REPORTS WILL BE FINALIZED AND CLOSED BY WHC.			
3.	The Fuel Supply Shutdown Facilities Interim Safety Basis Report and Plant Emergency Procedures shall be reviewed and updated for deactivation/shutdown status.			
3A.	REVIEW AND UPDATE OF THE INTERIM SAFETY BASIS REPORT WILL BE COMPLETED AND PROVIDED TO BHI 6 MONTHS PRIOR TO TURNOVER.			
3B.	REVIEW AND UPDATE OF THE PLANT EMERGENCY PROCEDURES WILL BE COMPLETED AND PROVIDED TO BHI 6 MONTHS PRIOR TO TURNOVER.			
4. 4A.	CVI index, drawings, procedures, prints, photographs, history, design and operating documents provided. AVAILABLE ESSENTIAL DRAWINGS, A DRAWING LIST, PROCEDURES, ETC. WILL BE PROVIDED IN TURNOVER FILE.			
5.	All permanent radiologically contaminated areas to be decontaminated and released or the surface contamination levels reduced or fixed in place to minimize re-suspension and/or migration of loose contamination. ANY CONTAMINATED ZONES WILL BE DECONTAMINATED AND RELEASED OR CONTAMINATION LEVELS REDUCED AND FIXED IN PLACE.			

ENDPOINT TABLE				
ITEM #	ENDPOINT ACCEPTANCE CRITERIA - 313 NORTH	ACCEPTANCE INITIALS		IMPLEMENTATION/ VERIFICATION DOCUMENT
		WHC	BHI	
6. 6A.	Full compliance with Hanford Site Radiological Control Manual must be assured, especially as it pertains to radiological posting. COMPLIANCE WITH HANFORD SITE RADIOLOGICAL CONTROL MANUAL WILL BE CONFIRMED BY HAVING 300 AREA RADIOLOGICAL CONTROL PERFORM AN ASSESSMENT AND WHC WILL CORRECT ALL NOTED DISCREPANCIES.			
7. 7A.	Temporary radiologically posted areas are cleaned up and radiologically released. TEMPORARY RADIOLOGICALLY POSTED AREAS WILL BE CLEANED UP AND RELEASED.			
8. 8A.	All stored radioactive and mixed waste removed. RADIOACTIVE AND MIXED WASTE WILL BE REMOVED.			
9. 9A.	All hazardous materials used for deactivation and cleanup work must be collected and disposed of in accordance with requirements. ALL HAZARDOUS MATERIALS USED FOR DEACTIVATION AND CLEANUP WILL BE REMOVED.			
10. 10A.	All unattached hazardous materials(i.e., loose friable asbestos, lead, mercury, etc.) must be removed from the facility and disposed of in accordance with requirements. ALL UNATTACHED HAZARDOUS MATERIALS WILL BE REMOVED.			
11. 11A.	Attached hazardous materials located, identified, quantified, labelled as necessary, and recorded. ATTACHED HAZARDOUS MATERIALS WILL BE LOCATED, IDENTIFIED, QUANTIFIED, LABELLED AS NECESSARY AND RECORDED.			
12. 12A.	All reactor fuel elements and/or other source and special materials must be removed from the building. ALL SPECIAL NUCLEAR MATERIAL WILL BE REMOVED FROM THE BUILDING.			
13. 13A.	Final radiological status surveys available. FINAL RADIOLOGICAL SURVEYS WILL BE INCLUDED WITH THE DEACTIVATION CHECKSHEET.			

ENDPOINT TABLE					
ITEM #	ENDPOINT ACCEPTANCE CRITERIA - 313 NORTH	ACCEPTANCE INITIALS		IMPLEMENTATION/ VERIFICATION DOCUMENT	
		WHC	BHI		
14.	Tanks, vessels, drums, etc. drained and heels removed.	NOT APPLICABLE			
15.	All elevator and crane systems are laid up with documentation of the type, weight and class of fluid required for operation, should that become desirable in the future.	NOT APPLICABLE			
16.	Documentation is available confirming that zero energy checks were made on all de-energized electrical circuits and isolated pressurized systems e.g., water, service air, steam, etc. using existing documents to the extent possible.				
16A.	WATER, STEAM, AND SERVICE AIR WILL BE BLANKED AT LOCATION OUTSIDE BUILDING.				
16B.	IF ELECTRICAL SERVICE IS NOT DISCONNECTED BY CUTTING THE FEED CABLES, ENERGY STATUS WILL BE DOCUMENTED ON ENERGIZED ELECTRICAL SYSTEMS.				
17.	Electrical systems reduced to that necessary for S&M and subsequent D&D. This includes removal of emergency light fixtures and the associated batteries. Where appropriate, centralize the remaining electrical services to a single point.				
17A.	ELECTRICAL SYSTEMS WILL BE APPROPRIATELY ISOLATED AND THE ISOLATION DOCUMENTED, INCLUDING ISOLATION LOCATION(S).				
18.	All heating, ventilation and air conditioning supply and exhaust air systems shut down and de-energized. This criteria includes evaluation and, as appropriate, the shutdown of the High-efficiency particulate air-filtered (HEPA) ventilation exhaust from process areas.				
18A.	VENTILATION SYSTEM WILL BE SHUT DOWN AND EXHAUST STACKS CAPPED.				
19.	All unneeded equipment shut down.	NOT APPLICABLE			
20.	Fire protection systems downgraded.				

ENDPOINT TABLE				
ITEM #	ENDPOINT ACCEPTANCE CRITERIA - 313 NORTH	ACCEPTANCE INITIALS		IMPLEMENTATION/ VERIFICATION DOCUMENT
		WHC	BHI	
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26. 26A.	The building steam system should be deactivated and tagged. STEAM BLANKED AT BUILDING MAIN CONNECTION OUTSIDE THE BUILDING.			
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ENDPOINT TABLE				
ITEM #	ENDPOINT ACCEPTANCE CRITERIA - 313 NORTH	ACCEPTANCE INITIALS		IMPLEMENTATION/ VERIFICATION DOCUMENT
		WHC	BHI	
28. 28A.	All building penetrations, i.e., louvers, open piping, etc. shall be closed off to prevent bird and animal intrusion. BUILDING PENETRATIONS WILL BE CLOSED OFF TO PREVENT BIRD AND ANIMAL INTRUSION.			
29. 29A.	All systems that were open to facilitate deactivation and could present a radiological and/or an industrial safety problem if left open must be adequately closed off. ALL OPEN SYSTEMS PRESENTING RADIOLOGICAL AND/OR INDUSTRIAL SAFETY PROBLEM WILL BE ADEQUATELY CLOSED OFF.			
30. 30A.	Roof leaks repaired and suspect areas reviewed. ROOF WILL BE INSPECTED WITHIN SIX MONTHS OF TURNOVER DATE AND NECESSARY REPAIRS MADE SO THAT FURTHER MAINTENANCE WILL NOT BE EXPECTED FOR 5 YEARS.			
31. 31A.	Office furniture and supplies removed. ALL WILL BE REMOVED.			
32. 32A.	Unnecessary parts, tools, and portable equipment removed. ALL WILL BE REMOVED.			
33. 33A.	Janitorial supplies and unattached hazardous materials removed. ALL WILL BE REMOVED.			
34. 34A.	Loose and/or damaged asbestos removed or stabilized. LOOSE AND/OR DAMAGED ASBESTOS WILL BE REMOVED OR STABILIZED. ASBESTOS CONDITION ASSESSMENT WILL BE UPDATED WITHIN THREE MONTHS OF TURNOVER.			
35. 35A.	Perform good housekeeping in all zones and areas in and around the facility. GOOD HOUSEKEEPING WILL BE PERFORMED IN ALL ZONES AND AREAS IN AND AROUND FACILITY.			
36.	Any required Environmental Monitoring Systems maintained by the ERC are identified and in serviceable condition.	NOT APPLICABLE		

ENDPOINT TABLE				
ITEM #	ENDPOINT ACCEPTANCE CRITERIA - 313 NORTH	ACCEPTANCE INITIALS		IMPLEMENTATION/ VERIFICATION DOCUMENT
		WHC	BHI	
37.	Any seal pits, dry or wet, must be identified and their radiological status documented and of file.	NOT APPLICABLE		
38. 39A.	All doors should be bolted shut from the inside except those needed for entrance or to comply with emergency egress requirements. Emergency exit doors should have crashbar systems installed. Keys needed for entrance shall be turned over to BHI. DOORS WILL BE LOCKED AND THOSE NEEDED FOR EMERGENCY EXIT WILL HAVE A CRASHBAR. FLOOR PLAN SHOWING ENTRY AND EMERGENCY EXIT LOCATIONS WILL BE PROVIDED TO BHI WITH THE APPROPRIATE KEYS.			
39.	Environmental and/or other applicable permits associated with the facility must be reviewed with EM-40/BHI to determine the status and applicability for maintaining them.	NOT APPLICABLE		
40. 40A.	Deactivation of the facility shall be accomplished to the extent that future surveillance inspections will not be required on a frequency of more than once each quarter. DEACTIVATION OF FACILITY WILL BE ACCOMPLISHED TO MINIMIZE SURVEILLANCE.			
	<p>END POINTS ACCEPTABLE</p> <p> WHC</p> <p>END POINTS COMPLETED</p> <p>_____ WHC</p> <p> BHI</p> <p>_____ BHI</p>			

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END POINT TABLE				
ITEM #	END POINT ACCEPTANCE CRITERIA - 304	ACCEPTANCE INITIALS		IMPLEMENTATION/ VERIFICATION DOCUMENT
		WHC	BHI	
1. 1A.	Prepare and complete deactivation checklist. CHECKSHEET WILL BE PREPARED, COMPLETED AND SIGNED OFF BY BOTH ORGANIZATIONS (WHC AND BHI).			
2.	All pending Radiation Occurrence reports, Unusual Occurrence Reports and/or any other out-of-standard condition reports finalized and closed out in accordance with applicable MRPs. No operable emergency sirens shall remain mounted on or powered from the building.			
2A.	RADIATION OCCURRENCE REPORTS, UNUSUAL OCCURRENCE REPORTS AND/OR ANY OTHER OUT-OF-STANDARD CONDITIONS REPORTS WILL BE FINALIZED AND CLOSED BY WHC.			
3.	The Fuel Supply Shutdown Facilities Interim Safety Basis Report and Plant Emergency Procedures shall be reviewed and updated for deactivation/shutdown status.			
3A.	REVIEW AND UPDATE OF THE INTERIM SAFETY BASIS REPORT WILL BE COMPLETED AND PROVIDED TO BHI 6 MONTHS PRIOR TO TURNOVER.			
3B.	REVIEW AND UPDATE OF THE PLANT EMERGENCY PROCEDURES WILL BE COMPLETED AND PROVIDED TO BHI 6 MONTHS PRIOR TO TURNOVER.			
4. 4A.	CVI index, drawings, procedures, prints, photographs, history, design and operating documents provided. AVAILABLE ESSENTIAL DRAWINGS, A DRAWING LIST, PROCEDURES, ETC. WILL BE PROVIDED IN TURNOVER FILE.			
5.	All permanent radiologically contaminated areas to be decontaminated and released or the surface contamination levels reduced or fixed in place to minimize re-suspension and/or migration of loose contamination. ANY CONTAMINATED ZONES WILL BE DECONTAMINATED AND RELEASED OR CONTAMINATION LEVELS REDUCED AND FIXED IN PLACE.			

END POINT TABLE				
ITEM #	END POINT ACCEPTANCE CRITERIA - 304	ACCEPTANCE INITIALS		IMPLEMENTATION/ VERIFICATION DOCUMENT
		WHC	BHI	
6. 6A.	Full compliance with Hanford Site Radiological Control Manual must be assured, especially as it pertains to radiological posting. COMPLIANCE WITH HANFORD SITE RADIOLOGICAL CONTROL MANUAL WILL BE CONFIRMED BY HAVING 300 AREA RADIOLOGICAL CONTROL PERFORM AN ASSESSMENT AND WHC WILL CORRECT ALL NOTED DISCREPANCIES.			
7. 7A.	Temporary radiologically posted areas are cleaned up and radiologically released. TEMPORARY RADIOLOGICALLY POSTED AREAS WILL BE CLEANED UP AND RELEASED.			
8. 8A.	All stored radioactive and mixed waste removed. RADIOACTIVE AND MIXED WASTE WILL BE REMOVED.			
9. 9A.	All hazardous materials used for deactivation and cleanup work must be collected and disposed of in accordance with requirements. ALL HAZARDOUS MATERIALS USED FOR DEACTIVATION AND CLEANUP WILL BE REMOVED.			
10. 10A.	All unattached hazardous materials(i.e., loose friable asbestos, lead, mercury, etc.) must be removed from the facility and disposed of in accordance with requirements. ALL UNATTACHED HAZARDOUS MATERIALS WILL BE REMOVED.			
11. 11A.	Attached hazardous materials located, identified, quantified, labelled as necessary, and recorded. ATTACHED HAZARDOUS MATERIALS WILL BE LOCATED, IDENTIFIED, QUANTIFIED, LABELLED AS NECESSARY AND RECORDED.			
12. 12A.	All reactor fuel elements and/or other source and special materials must be removed from the building. ALL SPECIAL NUCLEAR MATERIAL WILL BE REMOVED FROM THE BUILDING.			
13. 13A.	Final radiological status surveys available. FINAL RADIOLOGICAL SURVEYS WILL BE INCLUDED WITH THE DEACTIVATION CHECKSHEET.			

END POINT TABLE				
ITEM #	END POINT ACCEPTANCE CRITERIA - 304	ACCEPTANCE INITIALS		IMPLEMENTATION/ VERIFICATION DOCUMENT
		WHC	BHI	
14.	Tanks, vessels, drums, etc. drained and heels removed.	NOT APPLICABLE		
15.	All elevator and crane systems are laid up with documentation of the type, weight and class of fluid required for operation, should that become desirable in the future.	NOT APPLICABLE		
16.	Documentation is available confirming that zero energy checks were made on all de-energized electrical circuits and isolated pressurized systems e.g., water, service air, steam, etc. using existing documents to the extent possible.			
16A.	WATER, STEAM, AND SERVICE AIR WILL BE BLANKED AT LOCATION OUTSIDE BUILDING.			
16B.	IF ELECTRICAL SERVICE IS NOT DISCONNECTED BY CUTTING THE FEED CABLES, ENERGY STATUS WILL BE DOCUMENTED ON ENERGIZED ELECTRICAL SYSTEMS.			
17.	Electrical systems reduced to that necessary for S&M and subsequent D&D. This includes removal of emergency light fixtures and the associated batteries. Where appropriate, centralize the remaining electrical services to a single point.			
17A.	ELECTRICAL SYSTEMS WILL BE APPROPRIATELY ISOLATED AND THE ISOLATION DOCUMENTED, INCLUDING ISOLATION LOCATION(S).			
18.	All heating, ventilation and air conditioning supply and exhaust air systems shut down and de-energized. This criteria includes evaluation and, as appropriate, the shutdown of the High-efficiency particulate air-filtered (HEPA) ventilation exhaust from process areas.			
18A.	VENTILATION SYSTEM WILL BE SHUT DOWN AND EXHAUST STACK CAPPED.			
19.	All unneeded equipment shut down.	NOT APPLICABLE		

END POINT TABLE				
ITEM #	END POINT ACCEPTANCE CRITERIA - 304	ACCEPTANCE INITIALS		IMPLEMENTATION/ VERIFICATION DOCUMENT
		WHC	BHI	
20.	Fire protection systems downgraded.			
20A.	ALL PORTABLE FIRE EXTINGUISHERS WILL BE REMOVED FROM THE BUILDING.			
20B.	THE FIRE ALARM SYSTEM WILL BE DEACTIVATED.			
21.	The radiation space monitoring system should be reduced to a level required by the Health Physics organization.	NOT APPLICABLE		
22.	The continuous air monitoring system should be reduced to a level required by the Health Physics organization.	NOT APPLICABLE		
23. 23A.	The criticality monitoring and alarm system should be deactivated. THE CRITICALITY MONITORING AND ALARM SYSTEM WILL BE DEACTIVATED.			
24.	Reduce or eliminate the electrical and water supply services to the building in accordance with the requirements for S&M.			
24A.	WATER SUPPLY WILL BE BLANKED AT LOCATION OUTSIDE THE BUILDING.			
24B.	ELECTRICAL SERVICE WILL BE REDUCED PER ITEM #17.			
25. 25A.	Remove all emergency lighting and dispose of associated batteries. ALL EMERGENCY LIGHTING WILL BE REMOVED AND ASSOCIATED BATTERIES DISPOSED.			
26. 26A.	The building steam system should be deactivated and tagged. STEAM BLANKED AT BUILDING MAIN CONNECTION OUTSIDE THE BUILDING.			
27. 27A.	All effluent flow routes to disposal sites are isolated by sealing at the building. EFFLUENT FLOW ROUTES TO THE PROCESS SEWER WILL BE PLUGGED AT THE BUILDING.			

END POINT TABLE				
ITEM #	END POINT ACCEPTANCE CRITERIA - 304	ACCEPTANCE INITIALS		IMPLEMENTATION/ VERIFICATION DOCUMENT
		WHC	BHI	
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29. 29A.	All systems that were open to facilitate deactivation and could present a radiological and/or an industrial safety problem if left open must be adequately closed off. ALL OPEN SYSTEMS PRESENTING RADIOLOGICAL AND/OR INDUSTRIAL SAFETY PROBLEM WILL BE ADEQUATELY CLOSED OFF.			
30. 30A.	Roof leaks repaired and suspect areas reviewed. ROOF WILL BE INSPECTED WITHIN SIX MONTHS OF TURNOVER DATE AND NECESSARY REPAIRS MADE SO THAT FURTHER MAINTENANCE WILL NOT BE EXPECTED FOR 5 YEARS.			
31.	Office furniture and supplies removed.	NOT APPLICABLE		
32. 32A.	Unnecessary parts, tools, and portable equipment removed. ALL WILL BE REMOVED.			
33.	Janitorial supplies and unattached hazardous materials removed.	NOT APPLICABLE		
34. 34A.	Loose and/or damaged asbestos removed or stabilized. LOOSE AND/OR DAMAGED ASBESTOS WILL BE REMOVED OR STABILIZED. ASBESTOS CONDITION ASSESSMENT WILL BE UPDATED WITHIN THREE MONTHS OF TURNOVER.			
35. 35A.	Perform good housekeeping in all zones and areas in and around the facility. GOOD HOUSEKEEPING WILL BE PERFORMED IN ALL ZONES AND AREAS IN AND AROUND FACILITY.			

END POINT TABLE				
ITEM #	END POINT ACCEPTANCE CRITERIA - 304	ACCEPTANCE INITIALS		IMPLEMENTATION/ VERIFICATION DOCUMENT
		WHC	BHI	
36.	Any required Environmental Monitoring Systems maintained by the ERC are identified and in serviceable condition.	NOT APPLICABLE		
37.	Any seal pits, dry or wet, must be identified and their radiological status documented and of file.	NOT APPLICABLE		
38. 39A.	All doors should be bolted shut from the inside except those needed for entrance or to comply with emergency egress requirements. Emergency exit doors should have crashbar systems installed. Keys needed for entrance shall be turned over to BHI. DOORS WILL BE LOCKED AND THOSE NEEDED FOR EMERGENCY EXIT WILL HAVE A CRASHBAR. FLOOR PLAN SHOWING ENTRY AND EMERGENCY EXIT LOCATIONS WILL BE PROVIDED TO BHI WITH THE APPROPRIATE KEYS.			
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40.	Deactivation of the facility shall be accomplished to the extent that future surveillance inspections will not be required on a frequency of more than once each quarter.			
40A.	DEACTIVATION OF FACILITY WILL BE ACCOMPLISHED TO MINIMIZE SURVEILLANCE.			
	END POINTS ACCEPTABLE WHC END POINTS COMPLETED WHC	BHI BHI		

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END POINT TABLE				
ITEM #	END POINT ACCEPTANCE CRITERIA - 334, 334A	ACCEPTANCE INITIALS		IMPLEMENTATION/ VERIFICATION DOCUMENT
		WHC	BHI	
1. 1A.	Prepare and complete deactivation checksheet. CHECKSHEET WILL BE PREPARED, COMPLETED AND SIGNED OFF BY BOTH ORGANIZATIONS (WHC AND BHI).			
2.	All pending Radiation Occurrence reports, Unusual Occurrence Reports and/or any other out-of-standard condition reports finalized and closed out in accordance with applicable MRPs. No operable emergency sirens shall remain mounted on or powered from the building.			
2A.	RADIATION OCCURRENCE REPORTS, UNUSUAL OCCURRENCE REPORTS AND/OR ANY OTHER OUT-OF-STANDARD CONDITIONS REPORTS WILL BE FINALIZED AND CLOSED BY WHC.			
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3A.	REVIEW AND UPDATE OF THE INTERIM SAFETY BASIS REPORT WILL BE COMPLETED AND PROVIDED TO BHI 6 MONTHS PRIOR TO TURNOVER.			
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		WHC	BHI	
6. 6A.	Full compliance with Hanford Site Radiological Control Manual must be assured, especially as it pertains to radiological posting. COMPLIANCE WITH HANFORD SITE RADIOLOGICAL CONTROL MANUAL WILL BE CONFIRMED BY HAVING 300 AREA RADIOLOGICAL CONTROL PERFORM AN ASSESSMENT AND WHC WILL CORRECT ALL NOTED DISCREPANCIES.			
7. 7A.	Temporary radiologically posted areas are cleaned up and radiologically released. TEMPORARY RADIOLOGICALLY POSTED AREAS WILL BE CLEANED UP AND RELEASED.			
8. 8A.	All stored radioactive and mixed waste removed. RADIOACTIVE AND MIXED WASTE WILL BE REMOVED.			
9. 9A.	All hazardous materials used for deactivation and cleanup work must be collected and disposed of in accordance with requirements. ALL HAZARDOUS MATERIALS USED FOR DEACTIVATION AND CLEANUP WILL BE REMOVED.			
10. 10A.	All unattached hazardous materials(i.e., loose friable asbestos, lead, mercury, etc.) must be removed from the facility and disposed of in accordance with requirements. ALL UNATTACHED HAZARDOUS MATERIALS WILL BE REMOVED.			
11. 11A.	Attached hazardous materials located, identified, quantified, labelled as necessary, and recorded. ATTACHED HAZARDOUS MATERIALS WILL BE LOCATED, IDENTIFIED, QUANTIFIED, LABELLED AS NECESSARY AND RECORDED.			
12.	All reactor fuel elements and/or other source and special materials must be removed from the building.	NOT APPLICABLE		
13. 13A.	Final radiological status surveys available. FINAL RADIOLOGICAL SURVEYS WILL BE INCLUDED WITH THE DEACTIVATION CHECKSHEET.			

END POINT TABLE

ITEM #	END POINT ACCEPTANCE CRITERIA - 334, 334A	ACCEPTANCE INITIALS		IMPLEMENTATION/ VERIFICATION DOCUMENT
		WHC	BHI	
14. 14A.	Tanks, vessels, drums, etc. drained and heels removed. ALL TANKS, VESSELS, DRUMS, ETC. WILL BE DRAINED AND HEELS REMOVED. 300 WATS WILL BE CLEAN CLOSED.			
15.	All elevator and crane systems are laid up with documentation of the type, weight and class of fluid required for operation, should that become desirable in the future.	NOT APPLICABLE		
16.	Documentation is available confirming that zero energy checks were made on all de-energized electrical circuits and isolated pressurized systems e.g., water, service air, etc. using existing documents to the extent possible.			
16A.	WATER, STEAM, AND SERVICE AIR WILL BE BLANKED AT LOCATION OUTSIDE BUILDING.			
16B.	IF ELECTRICAL SERVICE IS NOT DISCONNECTED BY CUTTING THE FEED CABLES, ENERGY STATUS WILL BE DOCUMENTED ON ENERGIZED ELECTRICAL SYSTEMS.			
17. 17A.	Electrical systems reduced to that necessary for S&M and subsequent D&D. This includes removal of emergency light fixtures and the associated batteries. Where appropriate, centralize the remaining electrical services to a single point. ELECTRICAL SYSTEMS WILL BE APPROPRIATELY ISOLATED AND THE ISOLATION DOCUMENTED, INCLUDING ISOLATION LOCATION(S).			
18.	All heating, ventilation and air conditioning supply and exhaust air systems shut down and de-energized. This criteria includes evaluation and, as appropriate, the shutdown of the High-efficiency particulate air-filtered (HEPA) ventilation exhaust from process areas.	NOT APPLICABLE		
19.	All unneeded equipment shut down.	NOT APPLICABLE		

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END POINT TABLE

ITEM #	END POINT ACCEPTANCE CRITERIA - 334, 334A	ACCEPTANCE INITIALS		IMPLEMENTATION/ VERIFICATION DOCUMENT
		WHC	BHI	
20.	Fire protection systems downgraded.			
20A.	ALL PORTABLE FIRE EXTINGUISHERS WILL BE REMOVED FROM THE BUILDING.			
20B.	THE FIRE ALARM SYSTEM WILL BE DEACTIVATED.			
21.	The radiation space monitoring system should be reduced to a level required by the Health Physics organization.	NOT APPLICABLE		
22.	The continuous air monitoring system should be reduced to a level required by the Health Physics organization.	NOT APPLICABLE		
23.	The criticality monitoring and alarm system should be deactivated.	NOT APPLICABLE		
24.	Reduce or eliminate the electrical, service air, and water supply services to the building in accordance with the requirements for S&M.			
24A	WATER SUPPLY WILL BE BLANKED AT LOCATION OUTSIDE THE BUILDING.			
24B.	ELECTRICAL SERVICE WILL BE REDUCED PER ITEM #17B.			
25. 25A.	Remove all emergency lighting and dispose of associated batteries. ALL EMERGENCY LIGHTING WILL BE REMOVED AND ASSOCIATED BATTERIES DISPOSED.			
26.	The building steam system should be deactivated and tagged.	NOT APPLICABLE		
27.	All effluent flow routes to disposal sites are isolated by sealing at the building.			

END POINT TABLE				
ITEM #	END POINT ACCEPTANCE CRITERIA - 334, 334A	ACCEPTANCE INITIALS		IMPLEMENTATION/ VERIFICATION DOCUMENT
		WHC	BHI	
27A.	EFFLUENT FLOW ROUTES TO THE PROCESS SEWER WILL BE PLUGGED AT THE BUILDING.			
28.	All building penetrations, i.e., louvers, open piping, etc. shall be closed off to prevent bird and animal intrusion.			
28A.	BUILDING PENETRATIONS WILL BE CLOSED OFF TO PREVENT BIRD AND ANIMAL INTRUSION.			
29.	All systems that were open to facilitate deactivation and could present a radiological and/or an industrial safety problem if left open must be adequately closed off.			
29A.	ALL OPEN SYSTEMS PRESENTING RADIOLOGICAL AND/OR INDUSTRIAL SAFETY PROBLEM WILL BE ADEQUATELY CLOSED OFF.			
30.	Roof leaks repaired and suspect areas reviewed.			
30A.	ROOF WILL BE INSPECTED WITHIN SIX MONTHS OF TURNOVER DATE AND NECESSARY REPAIRS MADE SO THAT FURTHER MAINTENANCE WILL NOT BE EXPECTED FOR 5 YEARS.			
31.	Office furniture and supplies removed.	NOT APPLICABLE		
32.	Unnecessary parts, tools, and portable equipment removed.			
32A.	ALL WILL BE REMOVED.			
33.	Janitorial supplies and unattached hazardous materials removed.			
33A.	ALL WILL BE REMOVED.			
34.	Loose and/or damaged asbestos removed or stabilized.			
34A.	LOOSE AND/OR DAMAGED ASBESTOS WILL BE REMOVED OR STABILIZED. ASBESTOS CONDITION ASSESSMENT WILL BE UPDATED WITHIN THREE MONTHS OF TURNOVER.			

END POINT TABLE				
ITEM #	END POINT ACCEPTANCE CRITERIA - 334, 334A	ACCEPTANCE INITIALS		IMPLEMENTATION/ VERIFICATION DOCUMENT
		WHC	BHI	
35. 35A.	Perform good housekeeping in all zones and areas in and around the facility. GOOD HOUSEKEEPING WILL BE PERFORMED IN ALL ZONES AND AREAS IN AND AROUND FACILITY.			
36.	Any required Environmental Monitoring Systems maintained by the ERC are identified and in serviceable condition.	NOT APPLICABLE		
37.	Any seal pits, dry or wet, must be identified and their radiological status documented and of file.	NOT APPLICABLE		
38. 38A.	All doors should be bolted shut from the inside except those needed for entrance or to comply with emergency egress requirements. Emergency exit doors should have crashbar systems installed. Keys needed for entrance shall be turned over to BHI. DOORS WILL BE LOCKED AND THOSE NEEDED FOR EMERGENCY EXIT WILL HAVE A CRASHBAR. FLOOR PLAN SHOWING ENTRY AND EMERGENCY EXIT LOCATIONS WILL BE PROVIDED TO BHI WITH THE APPROPRIATE KEYS.			
39.	Environmental and/or other applicable permits associated with the facility must be reviewed with EM-40/BHI to determine the status and applicability for maintaining them.			
39A.	CLEAN CLOSURE VERIFICATION OF WATS AREA WITHIN BUILDING WILL BE PROVIDED.			
40.	Deactivation of the facility shall be accomplished to the extent that future surveillance inspections will not be required on a frequency of more than once each quarter.			
40A.	DEACTIVATION OF FACILITY WILL BE ACCOMPLISHED TO MINIMIZE SURVEILLANCE.			

END POINT TABLE

ITEM #	END POINT ACCEPTANCE CRITERIA - 334, 334A	ACCEPTANCE INITIALS		IMPLEMENTATION/ VERIFICATION DOCUMENT
		WHC	BHI	
	<p>END POINTS ACCEPTABLE</p> <p><u><i>[Signature]</i></u> WHC</p> <p><u><i>[Signature]</i></u> BHI</p> <p>END POINTS COMPLETED</p> <p>_____</p> <p>WHC</p> <p>_____</p> <p>BHI</p>			

END POINT TABLE				
ITEM #	END POINT ACCEPTANCE CRITERIA - MO-052 TRAILER	ACCEPTANCE INITIALS		IMPLEMENTATION/ VERIFICATION DOCUMENT
		WHC	BHI	
1. 1A.	Prepare and complete deactivation checksheet. CHECKSHEET WILL BE PREPARED, COMPLETED AND SIGNED OFF BY BOTH ORGANIZATIONS (WHC AND BHI).			
2.	All pending Radiation Occurrence reports, Unusual Occurrence Reports and/or any other out-of-standard condition reports finalized and closed out in accordance with applicable MRPs. No operable emergency sirens shall remain mounted on or powered from the building.			
2A.	RADIATION OCCURRENCE REPORTS, UNUSUAL OCCURRENCE REPORTS AND/OR ANY OTHER OUT-OF-STANDARD CONDITIONS REPORTS WILL BE FINALIZED AND CLOSED BY WHC.			
3.	The Fuel Supply Shutdown Facilities Interim Safety Basis Report and Plant Emergency Procedures shall be reviewed and updated for deactivation/shutdown status.			
3A.	REVIEW AND UPDATE OF THE INTERIM SAFETY BASIS REPORT WILL BE COMPLETED AND PROVIDED TO BHI 6 MONTHS PRIOR TO TURNOVER.			
3B.	REVIEW AND UPDATE OF THE PLANT EMERGENCY PROCEDURES WILL BE COMPLETED AND PROVIDED TO BHI 6 MONTHS PRIOR TO TURNOVER.			
4. 4A.	CVI index, drawings, procedures, prints, photographs, history, design and operating documents provided. AVAILABLE ESSENTIAL DRAWINGS, A DRAWING LIST, PROCEDURES, ETC. WILL BE PROVIDED IN TURNOVER FILE.			
5.	All permanent radiologically contaminated areas to be decontaminated and released or the surface contamination levels reduced or fixed in place to minimize re-suspension and/or migration of loose contamination.	NOT APPLICABLE		
6. 6A.	Full compliance with Hanford Site Radiological Control Manual must be assured, especially as it pertains to radiological posting. COMPLIANCE WITH HANFORD SITE RADIOLOGICAL CONTROL MANUAL WILL BE CONFIRMED BY HAVING 300 AREA RADIOLOGICAL CONTROL PERFORM AN ASSESSMENT AND WHC WILL CORRECT ALL NOTED DISCREPANCIES.			

END POINT TABLE				
ITEM #	END POINT ACCEPTANCE CRITERIA - MO-052 TRAILER	ACCEPTANCE INITIALS		IMPLEMENTATION/ VERIFICATION DOCUMENT
		WHC	BHI	
7.	Temporary radiologically posted areas are cleaned up and radiologically released.	NOT APPLICABLE		
8.	All stored radioactive and mixed waste removed.	NOT APPLICABLE		
9. 9A.	All hazardous materials used for deactivation and cleanup work must be collected and disposed of in accordance with requirements. ALL HAZARDOUS MATERIALS USED FOR DEACTIVATION AND CLEANUP WILL BE REMOVED.			
10. 10A.	All unattached hazardous materials(i.e., loose friable asbestos, lead, mercury, etc.) must be removed from the facility and disposed of in accordance with requirements. ALL UNATTACHED HAZARDOUS MATERIALS WILL BE REMOVED.			
11.	Attached hazardous materials located, identified, quantified, labelled as necessary, and recorded.	NOT APPLICABLE		
12.	All reactor fuel elements and/or other source and special materials must be removed from the building.	NOT APPLICABLE		
13.	Final radiological status surveys available.			
13A.	FINAL RADIOLOGICAL SURVEYS WILL BE INCLUDED WITH THE DEACTIVATION CHECKSHEET.			
14.	Tanks, vessels, drums, etc. drained and heels removed.	NOT APPLICABLE		
15.	All elevator and crane systems are laid up with documentation of the type, weight and class of fluid required for operation, should that become desirable in the future.	NOT APPLICABLE		

END POINT TABLE

ITEM #	END POINT ACCEPTANCE CRITERIA - MO-052 TRAILER	ACCEPTANCE INITIALS		IMPLEMENTATION/ VERIFICATION DOCUMENT
		WHC	BHI	
16.	Documentation is available confirming that zero energy checks were made on all de-energized electrical circuits and isolated pressurized systems e.g., water, service air, steam, etc. using existing documents to the extent possible.			
16A.	WATER, STEAM, AND SERVICE AIR WILL BE BLANKED AT LOCATION OUTSIDE BUILDING. IF ELECTRICAL SERVICE IS NOT DISCONNECTED BY CUTTING THE FEED CABLES, ENERGY STATUS WILL BE DOCUMENTED ON ENERGIZED ELECTRICAL SYSTEMS.			
17.	Electrical systems reduced to that necessary for S&M and subsequent D&D. This includes removal of emergency light fixtures and the associated batteries. Where appropriate, centralize the remaining electrical services to a single point.			
17A.	ELECTRICAL SYSTEMS WILL BE APPROPRIATELY ISOLATED AND THE ISOLATION DOCUMENTED, INCLUDING ISOLATION LOCATION(S).			
18.	All heating, ventilation and air conditioning supply and exhaust air systems shut down and de-energized. This criteria includes evaluation and, as appropriate, the shutdown of the High-efficiency particulate air-filtered (HEPA) ventilation exhaust from process areas.			
18A.	ALL HEATING, VENTILATION AND AIR CONDITIONING SYSTEMS WILL BE SHUT DOWN AND DE-ENERGIZED.			
19.	All unneeded equipment shut down.	NOT APPLICABLE		
20.	Fire protection systems downgraded.			
20A.	ALL PORTABLE FIRE EXTINGUISHERS WILL BE REMOVED FROM THE BUILDING.			
21.	The radiation space monitoring system should be reduced to a level required by the Health Physics organization.	NOT APPLICABLE		

END POINT TABLE				
ITEM #	END POINT ACCEPTANCE CRITERIA - MO-052 TRAILER	ACCEPTANCE INITIALS		IMPLEMENTATION/ VERIFICATION DOCUMENT
		WHC	BHI	
22.	The continuous air monitoring system should be reduced to a level required by the Health Physics organization.	NOT APPLICABLE		
23.	The criticality monitoring and alarm system should be deactivated.	NOT APPLICABLE		
24.	Reduce or eliminate the electrical and water supply services to the building in accordance with the requirements for S&M.			
24A.	WATER SUPPLY WILL BE BLANKED AT LOCATION OUTSIDE THE BUILDING.			
24B.	ELECTRICAL SERVICE WILL BE REDUCED PER ITEM #17.			
25.	Remove all emergency lighting and dispose of associated batteries.			
25A.	ALL EMERGENCY LIGHTING WILL BE REMOVED AND ASSOCIATED BATTERIES DISPOSED.			
26.	The building steam system should be deactivated and tagged.	NOT APPLICABLE		
27.	All effluent flow routes to disposal sites are isolated by sealing at the building.			
27A.	SANITARY SEWER FLOW ROUTE WILL BE ISOLATED BY SEALING AT THE BUILDING.			
28.	All building penetrations, i.e., louvers, open piping, etc. shall be closed off to prevent bird and animal intrusion.			
28A.	BUILDING PENETRATIONS WILL BE CLOSED OFF TO PREVENT BIRD AND ANIMAL INTRUSION.			
29.	All systems that were open to facilitate deactivation and could present a radiological and/or an industrial safety problem if left open must be adequately closed off.			
29A.	ALL OPEN SYSTEMS PRESENTING RADIOLOGICAL AND/OR INDUSTRIAL SAFETY PROBLEM WILL BE ADEQUATELY CLOSED OFF.			

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END POINT TABLE				
ITEM #	END POINT ACCEPTANCE CRITERIA - MO-052 TRAILER	ACCEPTANCE INITIALS		IMPLEMENTATION/ VERIFICATION DOCUMENT
		WHC	BHI	
30.	Roof leaks repaired and suspect areas reviewed.			
30A.	ROOF WILL BE INSPECTED WITHIN SIX MONTHS OF TURNOVER DATE AND NECESSARY REPAIRS MADE SO THAT FURTHER MAINTENANCE WILL NOT BE EXPECTED FOR 5 YEARS.			
31.	Office furniture and supplies removed.			
31A.	OFFICE FURNITURE AND SUPPLIES WILL BE REMOVED.			
32.	Unnecessary parts, tools, and portable equipment removed.	NOT APPLICABLE		
33.	Janitorial supplies and unattached hazardous materials removed.			
33A.	JANITORIAL SUPPLIES AND UNATTACHED HAZARDOUS MATERIALS WILL BE REMOVED.			
34.	Loose and/or damaged asbestos removed or stabilized.			
34A.	LOOSE AND/OR DAMAGED ASBESTOS WILL BE REMOVED OR STABILIZED.ASBESTOS CONDITION ASSESSMENT WILL BE UPDATED WITHIN THREE MONTHS OF TURNOVER.			
35.	Perform good housekeeping in all zones and areas in and around the facility.			
35A.	GOOD HOUSEKEEPING WILL BE PERFORMED IN ALL ZONES AND AREAS IN AND AROUND FACILITY.			
36.	Any required Environmental Monitoring Systems maintained by the ERC are identified and in serviceable condition.	NOT APPLICABLE		
37.	Any seal pits,dry or wet, must be identified and their radiological status documented and of file.	NOT APPLICABLE		

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END POINT TABLE				
ITEM #	END POINT ACCEPTANCE CRITERIA - MO-052 TRAILER	ACCEPTANCE INITIALS		IMPLEMENTATION/ VERIFICATION DOCUMENT
		WHC	BHI	
38.	All doors should be bolted shut from the inside except those needed for entrance or to comply with emergency egress requirements. Emergency exit doors should have crashbar systems installed. Keys needed for entrance shall be turned over to BHI.			
38A.	DOORS WILL BE LOCKED AND THOSE NEEDED FOR EMERGENCY EXIT WILL HAVE A CRASHBAR. FLOOR PLAN SHOWING ENTRY AND EMERGENCY EXIT LOCATIONS WILL BE PROVIDED TO BHI WITH THE APPROPRIATE KEYS.			
39.	Environmental and/or other applicable permits associated with the facility must be reviewed with EM-40/BHI to determine the status and applicability for maintaining them.	NOT APPLICABLE		
40.	Deactivation of the facility shall be accomplished to the extent that future surveillance inspections will not be required on a frequency of more than once each quarter.			
40A.	DEACTIVATION OF FACILITY WILL BE ACCOMPLISHED TO MINIMIZE SURVEILLANCE.			
	END POINTS ACCEPTABLE WHC		BHI	
	END POINTS COMPLETED			

END POINT TABLE				
ITEM #	END POINT ACCEPTANCE CRITERIA - 303M	ACCEPTANCE INITIALS		IMPLEMENTATION/ VERIFICATION DOCUMENT
		WHC	BHI	
1. 1A.	Prepare and complete deactivation checklist. CHECKSHEET WILL BE PREPARED, COMPLETED AND SIGNED OFF BY BOTH ORGANIZATIONS (WHC AND BHI).			
2.	All pending Radiation Occurrence reports, Unusual Occurrence Reports and/or any other out-of-standard condition reports finalized and closed out in accordance with applicable MRPs. No operable emergency sirens shall remain mounted on or powered from the building.			
2A.	RADIATION OCCURRENCE REPORTS, UNUSUAL OCCURRENCE REPORTS AND/OR ANY OTHER OUT-OF-STANDARD CONDITIONS REPORTS WILL BE FINALIZED AND CLOSED BY WHC.			
3.	The Fuel Supply Shutdown Facilities Interim Safety Basis Report and Plant Emergency Procedures shall be reviewed and updated for deactivation/shutdown status.			
3A.	REVIEW AND UPDATE OF THE INTERIM SAFETY BASIS REPORT WILL BE COMPLETED AND PROVIDED TO BHI 6 MONTHS PRIOR TO TURNOVER.			
3B.	REVIEW AND UPDATE OF THE PLANT EMERGENCY PROCEDURES WILL BE COMPLETED AND PROVIDED TO BHI 6 MONTHS PRIOR TO TURNOVER.			
4. 4A.	CVI index, drawings, procedures, prints, photographs, history, design and operating documents provided. AVAILABLE ESSENTIAL DRAWINGS, A DRAWING LIST, PROCEDURES, ETC. WILL BE PROVIDED IN TURNOVER FILE.			
5. 5A.	All permanent radiologically contaminated areas to be decontaminated and released or the surface contamination levels reduced or fixed in place to minimize re-suspension and/or migration of loose contamination. ANY CONTAMINATED ZONES WILL BE DECONTAMINATED AND RELEASED OR CONTAMINATION LEVELS REDUCED AND FIXED IN PLACE.			

END POINT TABLE				
ITEM #	END POINT ACCEPTANCE CRITERIA - 303M	ACCEPTANCE INITIALS		IMPLEMENTATION/ VERIFICATION DOCUMENT
		WHC	BHI	
6. 6A.	Full compliance with Hanford Site Radiological Control Manual must be assured, especially as it pertains to radiological posting. COMPLIANCE WITH HANFORD SITE RADIOLOGICAL CONTROL MANUAL WILL BE CONFIRMED BY HAVING 300 AREA RADIOLOGICAL CONTROL PERFORM AN ASSESSMENT AND WHC WILL CORRECT ALL NOTED DISCREPANCIES.			
7. 7A.	Temporary radiologically posted areas are cleaned up and radiologically released. TEMPORARY RADIOLOGICALLY POSTED AREAS WILL BE CLEANED UP AND RELEASED.			
8.	All stored radioactive and mixed waste removed.			
8A.	RADIOACTIVE AND MIXED WASTE WILL BE REMOVED.			
8B.	HEPA FILTER WILL BE REMOVED.			
8C.	DUST COLLECTOR BAGS WILL BE REMOVED.			
9. 9A.	All hazardous materials used for deactivation and cleanup work must be collected and disposed of in accordance with requirements. ALL HAZARDOUS MATERIALS USED FOR DEACTIVATION AND CLEANUP WILL BE REMOVED.			
10. 10A.	All unattached hazardous materials(i.e., loose friable asbestos, lead, mercury, etc.) must be removed from the facility and disposed of in accordance with requirements. ALL UNATTACHED HAZARDOUS MATERIALS WILL BE REMOVED.			
11. 11A.	Attached hazardous materials located, identified, quantified, labelled as necessary, and recorded. ATTACHED HAZARDOUS MATERIALS WILL BE LOCATED, IDENTIFIED, QUANTIFIED, LABELLED AS NECESSARY AND RECORDED.			
12.	All reactor fuel elements and/or other source and special materials must be removed from the building. ALL SPECIAL NUCLEAR MATERIAL WILL BE REMOVED FROM THE BUILDING.			

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END POINT TABLE				
ITEM #	END POINT ACCEPTANCE CRITERIA - 303M	ACCEPTANCE INITIALS		IMPLEMENTATION/ VERIFICATION DOCUMENT
		WHC	BHI	
13. 13A.	Final radiological status surveys available. FINAL RADIOLOGICAL SURVEYS WILL BE INCLUDED WITH THE DEACTIVATION CHECKSHEET.			
14. 14A.	Tanks, vessels, drums, etc. drained and heels removed. TANKS AND VESSELS WILL BE DRAINED AND HEELS REMOVED.			
15. 15A.	All elevator and crane systems are laid up with documentation of the type, weight and class of fluid required for operation, should that become desirable in the future. CRANE SYSTEM WILL BE LAID UP WITH AVAILABLE DOCUMENTATION OF THE TYPE, WEIGHT, AND CLASS OF FLUID REQUIRED FOR OPERATION.			
16.	Documentation is available confirming that zero energy checks were made on all de-energized electrical circuits and isolated pressurized systems e.g., water, service air, steam, etc. using existing documents to the extent possible.			
16A.	WATER, STEAM, AND SERVICE AIR WILL BE BLANKED AT LOCATION OUTSIDE BUILDING.			
16B.	IF ELECTRICAL SERVICE IS NOT DISCONNECTED BY CUTTING THE FEED CABLES, ENERGY STATUS WILL BE DOCUMENTED ON ENERGIZED ELECTRICAL SYSTEMS.			
17. 17A.	Electrical systems reduced to that necessary for S&M and subsequent D&D. This includes removal of emergency light fixtures and the associated batteries. Where appropriate, centralize the remaining electrical services to a single point. ELECTRICAL SYSTEMS WILL BE APPROPRIATELY ISOLATED AND THE ISOLATION DOCUMENTED, INCLUDING ISOLATION LOCATION(S).			

END POINT TABLE				
ITEM #	END POINT ACCEPTANCE CRITERIA - 303M	ACCEPTANCE INITIALS		IMPLEMENTATION/ VERIFICATION DOCUMENT
		WHC	BHI	
18.	All heating, ventilation and air conditioning supply and exhaust air systems shut down and de-energized. This criteria includes evaluation and, as appropriate, the shutdown of the High-efficiency particulate air-filtered (HEPA) ventilation exhaust from process areas.			
18A.	VENTILATION SYSTEM WILL BE SHUT DOWN AND EXHAUST STACK CAPPED.			
19.	All unneeded equipment shut down.			
19A.	EQUIPMENT WILL BE SHUT DOWN.			
20.	Fire protection systems downgraded.			
20A.	ALL PORTABLE FIRE EXTINGUISHERS WILL BE REMOVED FROM THE BUILDING.			
20B.	THE FIRE SPRINKLER SYSTEM WILL BE DRAINED AND THE FIRE PROTECTION RISER WILL BE BLANKED AT THE PIV.			
21.	The radiation space monitoring system should be reduced to a level required by the Health Physics organization.	NOT APPLICABLE		
22.	The continuous air monitoring system should be reduced to a level required by the Health Physics organization.	NOT APPLICABLE		
23.	The criticality monitoring and alarm system should be deactivated.			
23A.	THE CRITICALITY MONITORING AND ALARM SYSTEM WILL BE DEACTIVATED.			
24.	Reduce or eliminate the electrical, service air, and water supply services to the building in accordance with the requirements for S&M.			
24A.	WATER SUPPLY WILL BE BLANKED AT LOCATION OUTSIDE THE BUILDING.			
24B.	ELECTRICAL SERVICE WILL BE REDUCED PER ITEM #17.			
24C.	SERVICE AIR WILL BE BLANKED AT ENTRANCE TO BUILDING.			

END POINT TABLE				
ITEM #	END POINT ACCEPTANCE CRITERIA - 303M	ACCEPTANCE INITIALS		IMPLEMENTATION/ VERIFICATION DOCUMENT
		WHC	BHI	
25. 25A.	Remove all emergency lighting and dispose of associated batteries. ALL EMERGENCY LIGHTING WILL BE REMOVED AND ASSOCIATED BATTERIES DISPOSED.			
26.	The building steam system should be deactivated and tagged.	NOT APPLICABLE		
27.	All effluent flow routes to disposal sites are isolated by sealing at the building.			
27A	EFFLUENT FLOW ROUTES TO THE PROCESS SEWER WILL BE PLUGGED AT THE BUILDING.			
27B.	EFFLUENT FLOW ROUTES TO THE SANITARY SEWER WILL BE PLUGGED.			
28. 28A.	All building penetrations, i.e., louvers, open piping, etc. shall be closed off to prevent bird and animal intrusion. BUILDING PENETRATIONS WILL BE CLOSED OFF TO PREVENT BIRD AND ANIMAL INTRUSION.			
29. 29A.	All systems that were open to facilitate deactivation and could present a radiological and/or an industrial safety problem if left open must be adequately closed off. ALL OPEN SYSTEMS PRESENTING RADIOLOGICAL AND/OR INDUSTRIAL SAFETY PROBLEM WILL BE ADEQUATELY CLOSED OFF.			
30. 30A.	Roof leaks repaired and suspect areas reviewed. ROOF WILL BE INSPECTED WITHIN SIX MONTHS OF TURNOVER DATE AND NECESSARY REPAIRS MADE SO THAT FURTHER MAINTENANCE WILL NOT BE EXPECTED FOR 5 YEARS.			
31.	Office furniture and supplies removed.	NOT APPLICABLE		
32. 32A.	Unnecessary parts, tools, and portable equipment removed. ALL WILL BE REMOVED.			

END POINT TABLE				
ITEM #	END POINT ACCEPTANCE CRITERIA - 303M	ACCEPTANCE INITIALS		IMPLEMENTATION/ VERIFICATION DOCUMENT
		WHC	BHI	
33.	Janitorial supplies and unattached hazardous materials removed.	NOT APPLICABLE		
34. 34A.	Loose and/or damaged asbestos removed or stabilized. LOOSE AND/OR DAMAGED ASBESTOS WILL BE REMOVED OR STABILIZED. ASBESTOS CONDITION ASSESSMENT WILL BE UPDATED WITHIN THREE MONTHS OF TURNOVER.			
35. 35A.	Perform good housekeeping in all zones and areas in and around the facility. GOOD HOUSEKEEPING WILL BE PERFORMED IN ALL ZONES AND AREAS IN AND AROUND FACILITY.			
36.	Any required Environmental Monitoring Systems maintained by the ERC are identified and in serviceable condition.	NOT APPLICABLE		
37.	Any seal pits, dry or wet, must be identified and their radiological status documented and of file.	NOT APPLICABLE		
38. 39A.	All doors should be bolted shut from the inside except those needed for entrance or to comply with emergency egress requirements. Keys Emergency exit doors should have crashbar systems installed. Keys needed for entrance shall be turned over to BHI. DOORS WILL BE LOCKED AND THOSE NEEDED FOR EMERGENCY EXIT WILL HAVE A CRASHBAR. FLOOR PLAN SHOWING ENTRY AND EMERGENCY EXIT LOCATIONS WILL BE PROVIDED TO BHI WITH THE APPROPRIATE KEYS.			
39. 39A.	Environmental and/or other applicable permits associated with the facility must be reviewed with EM-40/BHI to determine the status and applicability for maintaining them. 303M IS A PART "A" PERMITTED RCRA TSD. THE CLOSURE OF THIS UNIT HAS BEEN DEFERRED TO CERCLA CLEANUP. RELATED DOCUMENTATION WILL BE REVIEWED WITH EM-40/BHI.			
40.	Deactivation of the facility shall be accomplished to the extent that future surveillance inspections will not be required on a frequency of more than once each quarter.			

END POINT TABLE				
ITEM #	END POINT ACCEPTANCE CRITERIA - 303M	ACCEPTANCE INITIALS		IMPLEMENTATION/ VERIFICATION DOCUMENT
		WHC	BHI	
40A.	DEACTIVATION OF FACILITY WILL BE ACCOMPLISHED TO MINIMIZE SURVEILLANCE.			
	<div> <div>END POINTS ACCEPTABLE</div> <div> <div>WHC</div> </div> </div> <div> <div>END POINTS COMPLETED</div> <div> <div>_____</div> <div>WHC</div> </div> </div> <div> <div> <div>BHI</div> </div> <div> <div>_____</div> <div>BHI</div> </div> </div>			

END POINT TABLE				
ITEM #	END POINT ACCEPTANCE CRITERIA - 303K, 3707G	ACCEPTANCE INITIALS		IMPLEMENTATION/ VERIFICATION DOCUMENT
		WHC	BHI	
1. 1A.	Prepare and complete deactivation checksheet. CHECKSHEET WILL BE PREPARED, COMPLETED AND SIGNED OFF BY BOTH ORGANIZATIONS (WHC AND BHI).			
2.	All pending Radiation Occurrence reports, Unusual Occurrence Reports and/or any other out-of-standard condition reports finalized and closed out in accordance with applicable MRPs. No operable emergency sirens shall remain mounted on or powered from the building.			
2A.	RADIATION OCCURRENCE REPORTS, UNUSUAL OCCURRENCE REPORTS AND/OR ANY OTHER OUT-OF-STANDARD CONDITIONS REPORTS WILL BE FINALIZED AND CLOSED BY WHC.			
3.	The Fuel Supply Shutdown Facilities Interim Safety Basis Report and Plant Emergency Procedures shall be reviewed and updated for deactivation/shutdown status.			
3A.	REVIEW AND UPDATE OF THE INTERIM SAFETY BASIS REPORT WILL BE COMPLETED AND PROVIDED TO BHI 6 MONTHS PRIOR TO TURNOVER.			
3B.	REVIEW AND UPDATE OF THE PLANT EMERGENCY PROCEDURES WILL BE COMPLETED AND PROVIDED TO BHI 6 MONTHS PRIOR TO TURNOVER.			
4. 4A.	CVI index, drawings, procedures, prints, photographs, history, design and operating documents provided. AVAILABLE ESSENTIAL DRAWINGS, A DRAWING LIST, PROCEDURES, ETC. WILL BE PROVIDED IN TURNOVER FILE.			
5. 5A.	All permanent radiologically contaminated areas to be decontaminated and released or the surface contamination levels reduced or fixed in place to minimize re-suspension and/or migration of loose contamination. CONTAMINATED ZONES WILL BE DECONTAMINATED AND RELEASED OR CONTAMINATION LEVELS REDUCED AND FIXED IN PLACE.			

END POINT TABLE				
ITEM #	END POINT ACCEPTANCE CRITERIA - 303K, 3707G	ACCEPTANCE INITIALS		IMPLEMENTATION/ VERIFICATION DOCUMENT
		WHC	BHI	
6. 6A.	Full compliance with Hanford Site Radiological Control Manual must be assured, especially as it pertains to radiological posting. COMPLIANCE WITH HANFORD SITE RADIOLOGICAL CONTROL MANUAL WILL BE CONFIRMED BY HAVING 300 AREA RADIOLOGICAL CONTROL PERFORM AN ASSESSMENT AND WHC WILL CORRECT ALL NOTED DISCREPANCIES.			
7. 7A.	Temporary radiologically posted areas are cleaned up and radiologically released. TEMPORARY RADIOLOGICALLY POSTED AREAS WILL BE CLEANED UP AND RELEASED.			
8. 8A.	All stored radioactive and mixed waste removed. RADIOACTIVE AND MIXED WASTE WILL BE REMOVED.			
9. 9A.	All hazardous materials used for deactivation and cleanup work must be collected and disposed of in accordance with requirements. ALL HAZARDOUS MATERIALS USED FOR DEACTIVATION AND CLEANUP WILL BE REMOVED.			
10. 10A.	All unattached hazardous materials(i.e., loose friable asbestos, lead, mercury, etc.) must be removed from the facility and disposed of in accordance with requirements. ALL UNATTACHED HAZARDOUS MATERIALS WILL BE REMOVED.			
11. 11A.	Attached hazardous materials located, identified, quantified, labelled as necessary, and recorded. ATTACHED HAZARDOUS MATERIALS WILL BE LOCATED, IDENTIFIED, QUANTIFIED, LABELLED AS NECESSARY AND RECORDED.			
12. 12A.	All reactor fuel elements and/or other source and special materials must be removed from the building. ALL SPECIAL NUCLEAR MATERIAL WILL BE REMOVED FROM THE BUILDING.			
13. 13A.	Final radiological status surveys available. FINAL RADIOLOGICAL SURVEYS WILL BE INCLUDED WITH THE DEACTIVATION CHECKSHEET.			

END POINT TABLE				
ITEM #	END POINT ACCEPTANCE CRITERIA - 303K, 3707G	ACCEPTANCE INITIALS		IMPLEMENTATION/ VERIFICATION DOCUMENT
		WHC	BHI	
14.	Tanks, vessels, drums, etc. drained and heels removed.	NOT APPLICABLE		
15.	All elevator and crane systems are laid up with documentation of the type, weight and class of fluid required for operation, should that become desirable in the future.	NOT APPLICABLE		
16.	Documentation is available confirming that zero energy checks were made on all de-energized electrical circuits and isolated pressurized systems e.g., water, service air, steam, etc. using existing documents to the extent possible.			
16A.	WATER, STEAM, AND SERVICE AIR WILL BE BLANKED AT LOCATION OUTSIDE BUILDING.			
16B.	IF ELECTRICAL SERVICE IS NOT DISCONNECTED BY CUTTING THE FEED CABLES, ENERGY STATUS WILL BE DOCUMENTED ON ENERGIZED ELECTRICAL SYSTEMS.			
17.	Electrical systems reduced to that necessary for S&M and subsequent D&D. This includes removal of emergency light fixtures and the associated batteries. Where appropriate, centralize the remaining electrical services to a single point.			
17A.	ELECTRICAL SYSTEMS WILL BE APPROPRIATELY ISOLATED AND THE ISOLATION DOCUMENTED, INCLUDING ISOLATION LOCATION(S).			
18.	All heating, ventilation and air conditioning supply and exhaust air systems shut down and de-energized. This criteria includes evaluation and, as appropriate, the shutdown of the High-efficiency particulate air-filtered (HEPA) ventilation exhaust from process areas.			
18A.	VENTILATION SYSTEM WILL BE SHUT DOWN AND EXHAUST STACK CAPPED.			
18B.	HEPA FILTER WILL BE REMOVED			

END POINT TABLE				
ITEM #	END POINT ACCEPTANCE CRITERIA - 303K, 3707G	ACCEPTANCE INITIALS		IMPLEMENTATION/ VERIFICATION DOCUMENT
		WHC	BHI	
19.	All unneeded equipment shut down.	NOT APPLICABLE		
20. 20A.	Fire protection systems downgraded. ALL PORTABLE FIRE EXTINGUISHERS WILL BE REMOVED FROM THE BUILDING.			
21.	The radiation space monitoring system should be reduced to a level required by the Health Physics organization.	NOT APPLICABLE		
22.	The continuous air monitoring system should be reduced to a level required by the Health Physics organization.	NOT APPLICABLE		
23. 23A.	The criticality monitoring and alarm system should be deactivated. THE CRITICALITY MONITORING AND ALARM SYSTEM WILL BE DEACTIVATED.			
24.	Reduce or eliminate the electrical and water supply services to the building in accordance with the requirements for S&M.			
24A.	WATER SUPPLY WILL BE BLANKED AT LOCATION OUTSIDE THE BUILDING.			
24B.	ELECTRICAL SERVICE WILL BE REDUCED PER ITEM #17.			
25. 25A.	Remove all emergency lighting and dispose of associated batteries. ALL EMERGENCY LIGHTING WILL BE REMOVED AND ASSOCIATED BATTERIES DISPOSED.			
26. 26A.	The building steam system should be deactivated and tagged. STEAM BLANKED AT BUILDING MAIN CONNECTION OUTSIDE THE BUILDING.			
27. 27A.	All effluent flow routes to disposal sites are isolated by sealing at the building. EFFLUENT FLOW ROUTES TO THE PROCESS SEWER WILL BE PLUGGED AT THE BUILDING.			

END POINT TABLE				
ITEM #	END POINT ACCEPTANCE CRITERIA - 303K, 3707G	ACCEPTANCE INITIALS		IMPLEMENTATION/ VERIFICATION DOCUMENT
		WHC	BHI	
36.	Any required Environmental Monitoring Systems maintained by the ERC are identified and in serviceable condition.	NOT APPLICABLE		
37.	Any seal pits, dry or wet, must be identified and their radiological status documented and of file.	NOT APPLICABLE		
38.	All doors should be bolted shut from the inside except those needed for entrance or to comply with emergency egress requirements. Emergency exit doors should have crashbar systems installed. Keys needed for entrance shall be turned over to BHI.			
39A.	DOORS WILL BE LOCKED AND THOSE NEEDED FOR EMERGENCY EXIT WILL HAVE A CRASHBAR. FLOOR PLAN SHOWING ENTRY AND EMERGENCY EXIT LOCATIONS WILL BE PROVIDED TO BHI WITH THE APPROPRIATE KEYS.			
39.	Environmental and/or other applicable permits associated with the facility must be reviewed with EM-40/BHI to determine the status and applicability for maintaining them.			
39A.	303K STORAGE FACILITY WILL BE CLEAN CLOSED.			
40.	Deactivation of the facility shall be accomplished to the extent that future surveillance inspections will not be required on a frequency of more than once each quarter.			
40A.	DEACTIVATION OF FACILITY WILL BE ACCOMPLISHED TO MINIMIZE SURVEILLANCE.			
	<p>END POINTS ACCEPTABLE</p> <p> WHC</p> <p>END POINTS COMPLETED</p> <p> BHI</p>			

END POINT TABLE

ITEM #	END POINT ACCEPTANCE CRITERIA - 303F	ACCEPTANCE INITIALS		IMPLEMENTATION/ VERIFICATION DOCUMENT
		WHC	BHI	
1. 1A.	Prepare and complete deactivation checklist. CHECKSHEET WILL BE PREPARED, COMPLETED AND SIGNED OFF BY BOTH ORGANIZATIONS (WHC AND BHI).			
2. 2A.	All pending Radiation Occurrence reports, Unusual Occurrence Reports and/or any other out-of-standard condition reports finalized and closed out in accordance with applicable MRPs. No operable emergency sirens shall remain mounted on or powered from the building. RADIATION OCCURRENCE REPORTS, UNUSUAL OCCURRENCE REPORTS AND/OR ANY OTHER OUT-OF-STANDARD CONDITIONS REPORTS WILL BE FINALIZED AND CLOSED BY WHC.			
3.	The Fuel Supply Shutdown Facilities Interim Safety Basis Report and Plant Emergency Procedures shall be reviewed and updated for deactivation/shutdown status.			
3A.	REVIEW AND UPDATE OF THE INTERIM SAFETY BASIS REPORT WILL BE COMPLETED AND PROVIDED TO BHI 6 MONTHS PRIOR TO TURNOVER.			
3B.	REVIEW AND UPDATE OF THE PLANT EMERGENCY PROCEDURES WILL BE COMPLETED AND PROVIDED TO BHI 6 MONTHS PRIOR TO TURNOVER.			
4. 4A.	CVI index, drawings, procedures, prints, photographs, history, design and operating documents provided. AVAILABLE ESSENTIAL DRAWINGS, A DRAWING LIST, PROCEDURES, ETC. WILL BE PROVIDED IN TURNOVER FILE.			
5. 5A.	All permanent radiologically contaminated areas to be decontaminated and released or the surface contamination levels reduced or fixed in place to minimize re-suspension and/or migration of loose contamination. CONTAMINATED ZONES WILL BE DECONTAMINATED AND RELEASED OR CONTAMINATION LEVELS REDUCED AND FIXED IN PLACE.			

END POINT TABLE				
ITEM #	END POINT ACCEPTANCE CRITERIA - 303F	ACCEPTANCE INITIALS		IMPLEMENTATION/ VERIFICATION DOCUMENT
		WHC	BHI	
6. 6A.	Full compliance with Hanford Site Radiological Control Manual must be assured, especially as it pertains to radiological posting. COMPLIANCE WITH HANFORD SITE RADIOLOGICAL CONTROL MANUAL WILL BE CONFIRMED BY HAVING 300 AREA RADIOLOGICAL CONTROL PERFORM AN ASSESSMENT AND WHC WILL CORRECT ALL NOTED DISCREPANCIES.			
7. 7A.	Temporary radiologically posted areas are cleaned up and radiologically released. TEMPORARY RADIOLOGICALLY POSTED AREAS WILL BE CLEANED UP AND RELEASED.			
8. 8A.	All stored radioactive and mixed waste removed. RADIOACTIVE AND MIXED WASTE WILL BE REMOVED.			
9. 9A.	All hazardous materials used for deactivation and cleanup work must be collected and disposed of in accordance with requirements. ALL HAZARDOUS MATERIALS USED FOR DEACTIVATION AND CLEANUP WILL BE REMOVED.			
10. 10A.	All unattached hazardous materials(i.e., loose friable asbestos, lead, mercury, etc.) must be removed from the facility and disposed of in accordance with requirements. ALL UNATTACHED HAZARDOUS MATERIALS WILL BE REMOVED.			
11. 11A.	Attached hazardous materials located, identified, quantified, labelled as necessary, and recorded. ATTACHED HAZARDOUS MATERIALS WILL BE LOCATED, IDENTIFIED, QUANTIFIED, LABELLED AS NECESSARY AND RECORDED.			
12.	All reactor fuel elements and/or other source and special materials must be removed from the building.	NOT APPLICABLE		
13. 13A.	Final radiological status surveys available. FINAL RADIOLOGICAL SURVEYS WILL BE INCLUDED WITH THE DEACTIVATION CHECKSHEET.			
14.	Tanks, vessels, drums, etc. drained and heels removed.			

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END POINT TABLE				
ITEM #	END POINT ACCEPTANCE CRITERIA - 303F	ACCEPTANCE INITIALS		IMPLEMENTATION/ VERIFICATION DOCUMENT
		WHC	BHI	
14A.	ALL TANKS, VESSELS, DRUMS, ETC. WILL BE DRAINED AND HEELS REMOVED.			
14B.	WATS AREA WITHIN THE BUILDING WILL BE CLEAN CLOSED.			
15.	All elevator and crane systems are laid up with documentation of the type, weight and class of fluid required for operation, should that become desirable in the future.	NOT APPLICABLE		
16.	Documentation is available confirming that zero energy checks were made on all de-energized electrical circuits and isolated pressurized systems e.g., water, service air, steam, etc. using existing documents to the extent possible.			
16A.	WATER, STEAM, AND SERVICE AIR WILL BE BLANKED AT LOCATION OUTSIDE BUILDING.			
16B.	IF ELECTRICAL SERVICE IS NOT DISCONNECTED BY CUTTING THE FEED CABLES, ENERGY STATUS WILL BE DOCUMENTED ON ENERGIZED ELECTRICAL SYSTEMS.			
17.	Electrical systems reduced to that necessary for S&M and subsequent D&D. This includes removal of emergency light fixtures and the associated batteries. Where appropriate, centralize the remaining electrical services to a single point.			
17A.	ELECTRICAL SYSTEMS WILL BE APPROPRIATELY ISOLATED AND THE ISOLATION DOCUMENTED, INCLUDING ISOLATION LOCATION(S).			
18.	All heating, ventilation and air conditioning supply and exhaust air systems shut down and de-energized. This criteria includes evaluation and, as appropriate, the shutdown of the High-efficiency particulate air-filtered (HEPA) ventilation exhaust from process areas.	NOT APPLICABLE		
19.	All unneeded equipment shut down.	NOT APPLICABLE		

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END POINT TABLE				
ITEM #	END POINT ACCEPTANCE CRITERIA - 303F	ACCEPTANCE INITIALS		IMPLEMENTATION/ VERIFICATION DOCUMENT
		WHC	BHI	
20. 20A.	Fire protection systems downgraded. ALL PORTABLE FIRE EXTINGUISHERS WILL BE REMOVED FROM THE BUILDING.			
21.	The radiation space monitoring system should be reduced to a level required by the Health Physics organization.	NOT APPLICABLE		
22.	The continuous air monitoring system should be reduced to a level required by the Health Physics organization.	NOT APPLICABLE		
23.	The criticality monitoring and alarm system should be deactivated.	NOT APPLICABLE		
24.	Reduce or eliminate the electrical, service air, and water supply services to the building in accordance with the requirements for S&M.			
24A.	WATER SUPPLY WILL BE BLANKED AT LOCATION OUTSIDE THE BUILDING.			
24B.	ELECTRICAL SERVICE WILL BE REDUCED PER ITEM #17.			
24C.	SERVICE AIR WILL BE BLANKED AT BUILDING ENTRANCE.			
25. 25A.	Remove all emergency lighting and dispose of associated batteries. ALL EMERGENCY LIGHTING WILL BE REMOVED AND ASSOCIATED BATTERIES DISPOSED.			
26. 26A.	The building steam system should be deactivated and tagged. STEAM BLANKED AT BUILDING MAIN CONNECTION OUTSIDE THE BUILDING.			
27. 27A.	All effluent flow routes to disposal sites are isolated by sealing at the building. EFFLUENT FLOW ROUTES TO THE PROCESS SEWER WILL BE PLUGGED AT THE BUILDING.			

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END POINT TABLE				
ITEM #	END POINT ACCEPTANCE CRITERIA - 303F	ACCEPTANCE INITIALS		IMPLEMENTATION/ VERIFICATION DOCUMENT
		WHC	BHI	
28. 28A.	All building penetrations, i.e., louvers, open piping, etc. shall be closed off to prevent bird and animal intrusion. BUILDING PENETRATIONS WILL BE CLOSED OFF TO PREVENT BIRD AND ANIMAL INTRUSION.			
29. 29A.	All systems that were open to facilitate deactivation and could present a radiological and/or an industrial safety problem if left open must be adequately closed off. ALL OPEN SYSTEMS PRESENTING RADIOLOGICAL AND/OR INDUSTRIAL SAFETY PROBLEM WILL BE ADEQUATELY CLOSED OFF.			
30. 30A.	Roof leaks repaired and suspect areas reviewed. ROOF WILL BE INSPECTED WITHIN SIX MONTHS OF TURNOVER DATE AND NECESSARY REPAIRS MADE SO THAT FURTHER MAINTENANCE WILL NOT BE EXPECTED FOR 5 YEARS.			
31.	Office furniture and supplies removed.	NOT APPLICABLE		
32. 32A.	Unnecessary parts, tools, and portable equipment removed. ALL WILL BE REMOVED.			
33.	Janitorial supplies and unattached hazardous materials removed.	NOT APPLICABLE		
34. 34A.	Loose and/or damaged asbestos removed or stabilized. LOOSE AND/OR DAMAGED ASBESTOS WILL BE REMOVED OR STABILIZED. ASBESTOS CONDITION ASSESSMENT WILL BE UPDATED WITHIN THREE MONTHS OF TURNOVER.			
35. 35A.	Perform good housekeeping in all zones and areas in and around the facility. GOOD HOUSEKEEPING WILL BE PERFORMED IN ALL ZONES AND AREAS IN AND AROUND FACILITY.			

END POINT TABLE				
ITEM #	END POINT ACCEPTANCE CRITERIA - 303F	ACCEPTANCE INITIALS		IMPLEMENTATION/ VERIFICATION DOCUMENT
		WHC	BHI	
36.	Any required Environmental Monitoring Systems maintained by the ERC are identified and in serviceable condition.	NOT APPLICABLE		
37.	Any seal pits, dry or wet, must be identified and their radiological status documented and of file.	NOT APPLICABLE		
38.	All doors should be bolted shut from the inside except those needed for entrance or to comply with emergency egress requirements. Keys for emergency exit doors should have crashbar systems installed. Keys needed for entrance shall be turned over to BHI.			
38A.	DOORS WILL BE LOCKED AND THOSE NEEDED FOR EMERGENCY EXIT WILL HAVE A CRASHBAR. FLOOR PLAN SHOWING ENTRY AND EMERGENCY EXIT LOCATIONS WILL BE PROVIDED TO BHI WITH THE APPROPRIATE KEYS.			
39.	Environmental and/or other applicable permits associated with the facility must be reviewed with EM-40/BHI to determine the status and applicability for maintaining them.			
39A.	CLEAN CLOSURE VERIFICATION OF WATS AREA WITHIN BUILDING WILL BE PROVIDED.			
40.	Deactivation of the facility shall be accomplished to the extent that future surveillance inspections will not be required on a frequency of more than once each quarter.			
40A.	DEACTIVATION OF FACILITY WILL BE ACCOMPLISHED TO MINIMIZE SURVEILLANCE.			
	END POINTS ACCEPTABLE WHC END POINTS COMPLETED BHI			

END POINT TABLE				
ITEM #	END POINT ACCEPTANCE CRITERIA - 334 TANK FARM	ACCEPTANCE INITIALS		IMPLEMENTATION/ VERIFICATION DOCUMENT
		WHC	BHI	
1. 1A.	Prepare and complete deactivation checklist. CHECKSHEET WILL BE PREPARED, COMPLETED AND SIGNED OFF BY BOTH ORGANIZATIONS (WHC AND BHI).			
2.	All pending Radiation Occurrence reports, Unusual Occurrence Reports and/or any other out-of-standard condition reports finalized and closed out in accordance with applicable MRPs. No operable emergency sirens shall remain mounted on or powered from the building.			
2A.	RADIATION OCCURRENCE REPORTS, UNUSUAL OCCURRENCE REPORTS AND/OR ANY OTHER OUT-OF-STANDARD CONDITIONS REPORTS WILL BE FINALIZED AND CLOSED BY WHC.			
3.	The Fuel Supply Shutdown Facilities Interim Safety Basis Report and Plant Emergency Procedures shall be reviewed and updated for deactivation/shutdown status.			
3A.	REVIEW AND UPDATE OF THE INTERIM SAFETY BASIS REPORT WILL BE COMPLETED AND PROVIDED TO BHI 6 MONTHS PRIOR TO TURNOVER.			
3B.	REVIEW AND UPDATE OF THE PLANT EMERGENCY PROCEDURES WILL BE COMPLETED AND PROVIDED TO BHI 6 MONTHS PRIOR TO TURNOVER.			
4. 4A.	CVI index, drawings, procedures, prints, photographs, history, design and operating documents provided. AVAILABLE ESSENTIAL DRAWINGS, A DRAWING LIST, PROCEDURES, ETC. WILL BE PROVIDED IN TURNOVER FILE.			
5.	All permanent radiologically contaminated areas to be decontaminated and released or the surface contamination levels reduced or fixed in place to minimize re-suspension and/or migration of loose contamination.	NOT APPLICABLE		
6.	Full compliance with Hanford Site Radiological Control Manual must be assured, especially as it pertains to radiological posting. COMPLIANCE WITH HANFORD SITE RADIOLOGICAL CONTROL MANUAL WILL BE CONFIRMED BY HAVING 300 AREA RADIOLOGICAL CONTROL PERFORM AN ASSESSMENT AND WHC WILL CORRECT ALL NOTED DISCREPANCIES.			

END POINT TABLE				
ITEM #	END POINT ACCEPTANCE CRITERIA - 334 TANK FARM	ACCEPTANCE INITIALS		IMPLEMENTATION/ VERIFICATION DOCUMENT
		WHC	BHI	
7.	Temporary radiologically posted areas are cleaned up and radiologically released.	NOT APPLICABLE		
8.	All stored radioactive and mixed waste removed.	NOT APPLICABLE		
9. 9A.	All hazardous materials used for deactivation and cleanup work must be collected and disposed of in accordance with requirements. ALL HAZARDOUS MATERIALS USED FOR DEACTIVATION AND CLEANUP WILL BE REMOVED.			
10.	All unattached hazardous materials(i.e., loose friable asbestos, lead, mercury, etc.) must be removed from the facility and disposed of in accordance with requirements.			
10A.	ALL UNATTACHED HAZARDOUS MATERIALS WILL BE REMOVED.			
11.	Attached hazardous materials located, identified, quantified, labelled as necessary, and recorded.			
11A.	ATTACHED HAZARDOUS MATERIALS WILL BE LOCATED, IDENTIFIED, QUANTIFIED, LABELLED AS NECESSARY AND RECORDED.			
12.	All reactor fuel elements and/or other source and special materials must be removed from the building.	NOT APPLICABLE		
13.	Final radiological status surveys available.			
13A.	FINAL RADIOLOGICAL SURVEYS WILL BE INCLUDED WITH THE DEACTIVATION CHECKSHEET.			
14.	Tanks, vessels, drums, etc. drained and heels removed.			
	TANKS WILL BE DRAINED AND HEELS REMOVED:			
14A.	TANK 1			
14B.	TANK 2			
14C.	TANK 3			

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END POINT TABLE				
ITEM #	END POINT ACCEPTANCE CRITERIA - 334 TANK FARM	ACCEPTANCE INITIALS		IMPLEMENTATION/ VERIFICATION DOCUMENT
		WHC	BHI	
15.	All elevator and crane systems are laid up with documentation of the type, weight and class of fluid required for operation, should that become desirable in the future.	NOT APPLICABLE		
16.	Documentation is available confirming that zero energy checks were made on all de-energized electrical circuits and isolated pressurized systems e.g., water, service air, steam, etc. using existing documents to the extent possible.			
16A.	WATER WILL BE BLANKED AT LOCATION OF MAIN SERVICE POINT.			
17.	Electrical systems reduced to that necessary for S&M and subsequent D&D. This includes removal of emergency light fixtures and the associated batteries. Where appropriate, centralize the remaining electrical services to a single point.	NOT APPLICABLE		
18.	All heating, ventilation and air conditioning supply and exhaust air systems shut down and de-energized. This criteria includes evaluation and, as appropriate, the shutdown of the High-efficiency particulate air-filtered (HEPA) ventilation exhaust from process areas.	NOT APPLICABLE		
19.	All unneeded equipment shut down.	NOT APPLICABLE		
20.	Fire protection systems downgraded.	NOT APPLICABLE		
21.	The radiation space monitoring system should be reduced to a level required by the Health Physics organization.	NOT APPLICABLE		
22.	The continuous air monitoring system should be reduced to a level required by the Health Physics organization.	NOT APPLICABLE		

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END POINT TABLE				
ITEM #	END POINT ACCEPTANCE CRITERIA - 334 TANK FARM	ACCEPTANCE INITIALS		IMPLEMENTATION/ VERIFICATION DOCUMENT
		WHC	BHI	
23.	The criticality monitoring and alarm system should be deactivated.	NOT APPLICABLE		
24.	Reduce or eliminate the electrical, service air, and water supply services to the building in accordance with the requirements for S&M.			
24A.	WATER SUPPLY WILL BE BLANKED AT LOCATION OF MAIN SERVICE POINT.			
25.	Remove all emergency lighting and dispose of associated batteries.	NOT APPLICABLE		
26.	The building steam system should be deactivated and tagged.	NOT APPLICABLE		
27.	All effluent flow routes to disposal sites are isolated by sealing at the building.			
27A.	PROCESS SEWER FLOW ROUTE WILL BE ISOLATED BY SEALING.			
28.	All building penetrations, i.e., louvers, open piping, etc. shall be closed off to prevent bird and animal intrusion.	NOT APPLICABLE		
29.	All systems that were open to facilitate deactivation and could present a radiological and/or an industrial safety problem if left open must be adequately closed off.			
29A.	ALL OPEN SYSTEMS PRESENTING RADIOLOGICAL AND/OR INDUSTRIAL SAFETY PROBLEM WILL BE ADEQUATELY CLOSED OFF.			
30.	Roof leaks repaired and suspect areas reviewed.	NOT APPLICABLE		
31.	Office furniture and supplies removed.	NOT APPLICABLE		
32.	Unnecessary parts, tools, and portable equipment removed.	NOT APPLICABLE		

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END POINT TABLE				
ITEM #	END POINT ACCEPTANCE CRITERIA - 334 TANK FARM	ACCEPTANCE INITIALS		IMPLEMENTATION/ VERIFICATION DOCUMENT
		WHC	BHI	
33.	Janitorial supplies and unattached hazardous materials removed.	NOT APPLICABLE		
34.	Loose and/or damaged asbestos removed or stabilized.			
34A.	LOOSE AND/OR DAMAGED ASBESTOS WILL BE REMOVED OR STABILIZED.ASBESTOS CONDITION ASSESSMENT WILL BE UPDATED WITHIN THREE MONTHS OF TURNOVER.			
35.	Perform good housekeeping in all zones and areas in and around the facility.			
35A.	GOOD HOUSEKEEPING WILL BE PERFORMED IN ALL ZONES AND AREAS IN AND AROUND FACILITY.			
36.	Any required Environmental Monitoring Systems maintained by the ERC are identified and in serviceable condition.	NOT APPLICABLE		
37.	Any seal pits,dry or wet, must be identified and their radiological status documented and of file.	NOT APPLICABLE		
38.	All doors should be bolted shut from the inside except those needed for entrance or to comply with emergency egress requirements. Keys needed for entrance shall be turned over to BHI.	NOT APPLICABLE		
39.	Environmental and/or other applicable permits associated with the facility must be reviewed with EM-40/BHI to determine the status and applicability for maintaining them. CLEAN CLOSURE VERIFICATION OF WATS AREA WILL BE PROVIDED.	NOT APPLICABLE		
40.	Deactivation of the facility shall be accomplished to the extent that future surveillance inspections will not be required on a frequency of more than once each quarter.			
40A.	DEACTIVATION OF FACILITY WILL BE ACCOMPLISHED TO MINIMIZE SURVEILLANCE.			

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END POINT TABLE				
ITEM #	END POINT ACCEPTANCE CRITERIA - 334 TANK FARM	ACCEPTANCE INITIALS		IMPLEMENTATION/ VERIFICATION DOCUMENT
		WHC	BHI	
	<p>END POINTS ACCEPTABLE</p> <p><u><i>[Signature]</i></u> WHC</p> <p>END POINTS COMPLETED</p> <p>_____ BHI</p> <p>_____ WHC</p>			

END POINT TABLE				
ITEM #	END POINT ACCEPTANCE CRITERIA - 311 TANK FARM	ACCEPTANCE INITIALS		IMPLEMENTATION/ VERIFICATION DOCUMENT
		WHC	BHI	
1. 1A.	Prepare and complete deactivation checksheet. CHECKSHEET WILL BE PREPARED, COMPLETED AND SIGNED OFF BY BOTH ORGANIZATIONS (WHC AND BHI).			
2.	All pending Radiation Occurrence reports, Unusual Occurrence Reports and/or any other out-of-standard condition reports finalized and closed out in accordance with applicable MRPs. No operable emergency sirens shall remain mounted on or powered from the building.			
2A.	RADIATION OCCURRENCE REPORTS, UNUSUAL OCCURRENCE REPORTS AND/OR ANY OTHER OUT-OF-STANDARD CONDITIONS REPORTS WILL BE FINALIZED AND CLOSED BY WHC.			
3.	The Fuel Supply Shutdown Facilities Interim Safety Basis Report and Plant Emergency Procedures shall be reviewed and updated for deactivation/shutdown status.			
3A.	REVIEW AND UPDATE OF THE INTERIM SAFETY BASIS REPORT WILL BE COMPLETED AND PROVIDED TO BHI 6 MONTHS PRIOR TO TURNOVER.			
3B.	REVIEW AND UPDATE OF THE PLANT EMERGENCY PROCEDURES WILL BE COMPLETED AND PROVIDED TO BHI 6 MONTHS PRIOR TO TURNOVER.			
4. 4A.	CVI index, drawings, procedures, prints, photographs, history, design and operating documents provided. AVAILABLE ESSENTIAL DRAWINGS, A DRAWING LIST, PROCEDURES, ETC. WILL BE PROVIDED IN TURNOVER FILE.			
5.	All permanent radiologically contaminated areas to be decontaminated and released or the surface contamination levels reduced or fixed in place to minimize re-suspension and/or migration of loose contamination.	NOT APPLICABLE		
6.	Full compliance with Hanford Site Radiological Control Manual must be assured, especially as it pertains to radiological posting. COMPLIANCE WITH HANFORD SITE RADIOLOGICAL CONTROL MANUAL WILL BE CONFIRMED BY HAVING 300 AREA RADIOLOGICAL CONTROL PERFORM AN ASSESSMENT AND WHC WILL CORRECT ALL NOTED DISCREPANCIES.			

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END POINT TABLE

ITEM #	END POINT ACCEPTANCE CRITERIA - 311 TANK FARM			ACCEPTANCE INITIALS	IMPLEMENTATION/ VERIFICATION DOCUMENT
	WHC	NOT APPLICABLE	BHI		
7.	Temporary radiologically posted areas are cleaned up and radiologically released.				
8.	All stored radioactive and mixed waste removed.				
8A.	ALL RADIOACTIVE AND MIXED WASTE WILL BE REMOVED.				
9.	All hazardous materials used for deactivation and cleanup work must be collected and disposed of in accordance with requirements.				
9A.	ALL HAZARDOUS MATERIALS USED FOR DEACTIVATION AND CLEANUP WILL BE REMOVED.				
10.	All unattached hazardous materials (i.e., loose friable asbestos, lead, mercury, etc.) must be removed from the facility and disposed of in accordance with requirements.				
10A.	ALL UNATTACHED HAZARDOUS MATERIALS WILL BE REMOVED.				
11.	Attached hazardous materials located, identified, quantified, labelled as necessary, and recorded.				
11A.	ATTACHED HAZARDOUS MATERIALS WILL BE LOCATED, IDENTIFIED, QUANTIFIED, LABELLED AS NECESSARY AND RECORDED.				
12.	All reactor fuel elements and/or other source and special materials must be removed from the building.			NOT APPLICABLE	
13.	Final radiological status surveys available.				
13A.	FINAL RADIOLOGICAL SURVEYS WILL BE INCLUDED WITH THE DEACTIVATION CHECKSHEET.				
14.	Tanks, vessels, drums, etc. drained and heels removed.				
	TANKS WILL BE DRAINED AND HEELS REMOVED:				
14A.	TANK 40 (WATS SYSTEM TANK)				
14B.	TANK 50 (WATS SYSTEM TANK)				
14C.	NITRIC ACID TANK				

END POINT TABLE				
ITEM #	END POINT ACCEPTANCE CRITERIA - 311 TANK FARM	ACCEPTANCE INITIALS		IMPLEMENTATION/ VERIFICATION DOCUMENT
		WHC	BHI	
14D.	EAST CAUSTIC TANK			
14E.	WEST CAUSTIC TANK			
15.	All elevator and crane systems are laid up with documentation of the type, weight and class of fluid required for operation, should that become desirable in the future.	NOT APPLICABLE		
16.	Documentation is available confirming that zero energy checks were made on all de-energized electrical circuits and isolated pressurized systems e.g., water, service air, steam, etc. using existing documents to the extent possible.			
16A.	WATER, STEAM, AND SERVICE AIR WILL BE BLANKED AT LOCATION OF MAIN SERVICE POINT. IF ELECTRICAL SERVICE IS NOT DISCONNECTED BY CUTTING THE FEED CABLES, ENERGY STATUS WILL BE DOCUMENTED ON ENERGIZED ELECTRICAL SYSTEMS.			
17.	Electrical systems reduced to that necessary for S&M and subsequent D&D. This includes removal of emergency light fixtures and the associated batteries. Where appropriate, centralize the remaining electrical services to a single point.			
17A.	ELECTRICAL SYSTEMS WILL BE APPROPRIATELY ISOLATED AND THE ISOLATION DOCUMENTED, INCLUDING ISOLATION LOCATION(S).			
18.	All heating, ventilation and air conditioning supply and exhaust air systems shut down and de-energized. This criteria includes evaluation and, as appropriate, the shutdown of the High-efficiency particulate air-filtered (HEPA) ventilation exhaust from process areas.	NOT APPLICABLE		
19.	All unneeded equipment shut down.	NOT APPLICABLE		
20.	Fire protection systems downgraded.	NOT APPLICABLE		

END POINT TABLE				
ITEM #	END POINT ACCEPTANCE CRITERIA - 311 TANK FARM	ACCEPTANCE INITIALS		IMPLEMENTATION/ VERIFICATION DOCUMENT
		WHC	BHI	
21.	The radiation space monitoring system should be reduced to a level required by the Health Physics organization.	NOT APPLICABLE		
22.	The continuous air monitoring system should be reduced to a level required by the Health Physics organization.	NOT APPLICABLE		
23.	The criticality monitoring and alarm system should be deactivated.	NOT APPLICABLE		
24.	Reduce or eliminate the electrical, service air, and water supply services to the building in accordance with the requirements for S&M.			
24A.	WATER SUPPLY WILL BE BLANKED AT LOCATION OF MAIN SERVICE POINT.			
24B.	ELECTRICAL SERVICE WILL BE REDUCED PER ITEM #17.			
25.	Remove all emergency lighting and dispose of associated batteries.	NOT APPLICABLE		
26.	The building steam system should be deactivated and tagged.			
26A.	THE STEAM SYSTEM WILL BE BLANKED AT MAIN SERVICE POINT.			
27.	All effluent flow routes to disposal sites are isolated by sealing at the building.			
27A.	PROCESS SEWER FLOW ROUTE WILL BE ISOLATED BY SEALING.			
28.	All building penetrations, i.e., louvers, open piping, etc. shall be closed off to prevent bird and animal intrusion.	NOT APPLICABLE		

END POINT TABLE

ITEM #	END POINT ACCEPTANCE CRITERIA - 311 TANK FARM			ACCEPTANCE INITIALS	BHI	VERIFICATION/IMPLEMENTATION/DOCUMENT
	29.	29A.	30.	31.	32.	33.
	<p>All systems that were open to facilitate deactivation and could present a radiological and/or an industrial safety problem if left open must be adequately closed off.</p> <p>ALL OPEN SYSTEMS PRESENTING RADIOLOGICAL AND/OR INDUSTRIAL SAFETY PROBLEM WILL BE ADEQUATELY CLOSED OFF.</p>	<p>Roof leaks repaired and suspect areas reviewed.</p>	<p>Office furniture and supplies removed.</p>	<p>Unnecessary parts, tools, and portable equipment removed.</p>	<p>Janitorial supplies and unattached hazardous materials removed.</p>	<p>Loose and/or damaged asbestos removed or stabilized.</p>
			<p>NOT APPLICABLE</p>	<p>NOT APPLICABLE</p>	<p>NOT APPLICABLE</p>	<p>Loose and/or damaged asbestos removed or stabilized.</p>
			<p>NOT APPLICABLE</p>	<p>NOT APPLICABLE</p>	<p>NOT APPLICABLE</p>	<p>34A. LOOSE AND/OR DAMAGED ASBESTOS WILL BE REMOVED OR STABILIZED. ASBESTOS CONDITION ASSESSMENT WILL BE UPDATED WITHIN THREE MONTHS OF TURNOVER.</p>
						<p>35. Perform good housekeeping in all zones and areas in and around the facility.</p>
						<p>35A. GOOD HOUSEKEEPING WILL BE PERFORMED IN ALL ZONES AND AREAS IN AND AROUND FACILITY.</p>
			<p>NOT APPLICABLE</p>	<p>NOT APPLICABLE</p>	<p>NOT APPLICABLE</p>	<p>36. Any required Environmental Monitoring Systems maintained by the ERC are identified and in serviceable condition.</p>
			<p>NOT APPLICABLE</p>	<p>NOT APPLICABLE</p>	<p>NOT APPLICABLE</p>	<p>37. Any seal pits, dry or wet, must be identified and their radiological status documented and of file.</p>

END POINT TABLE				
ITEM #	END POINT ACCEPTANCE CRITERIA - 311 TANK FARM	ACCEPTANCE INITIALS		IMPLEMENTATION/ VERIFICATION DOCUMENT
		WHC	BHI	
38.	All doors should be bolted shut from the inside except those needed for entrance or to comply with emergency egress requirements. Emergency exit doors should have crashbar systems installed. Keys needed for entrance shall be turned over to BHI.	NOT APPLICABLE		
39.	Environmental and/or other applicable permits associated with the facility must be reviewed with EM-40/BHI to determine the status and applicability for maintaining them.			
39A.	CLEAN CLOSURE OF WATS SYSTEM TANKS WILL BE PROVIDED.			
40.	Deactivation of the facility shall be accomplished to the extent that future surveillance inspections will not be required on a frequency of more than once each quarter.			
40A.	DEACTIVATION OF FACILITY WILL BE ACCOMPLISHED TO MINIMIZE SURVEILLANCE.			
	<div> <div>END POINTS ACCEPTABLE</div> <div> </div> <div>WHC</div> </div> <div> <div>END POINTS COMPLETED</div> <div> </div> <div>BHI</div> </div>			

END POINT TABLE				
ITEM #	END POINT ACCEPTANCE CRITERIA - OUTSIDE TRENCH SYSTEM	ACCEPTANCE INITIALS		IMPLEMENTATION/ VERIFICATION DOCUMENT
		WHC	BHI	
1. 1A.	Prepare and complete deactivation checksheet. CHECKSHEET WILL BE PREPARED, COMPLETED AND SIGNED OFF BY BOTH ORGANIZATIONS (WHC AND BHI).			
2.	All pending Radiation Occurrence reports, Unusual Occurrence Reports and/or any other out-of-standard condition reports finalized and closed out in accordance with applicable MRPs. No operable emergency sirens shall remain mounted on or powered from the building.			
2A.	RADIATION OCCURRENCE REPORTS, UNUSUAL OCCURRENCE REPORTS AND/OR ANY OTHER OUT-OF-STANDARD CONDITIONS REPORTS WILL BE FINALIZED AND CLOSED BY WHC.			
3.	The Fuel Supply Shutdown Facilities Interim Safety Basis Report and Plant Emergency Procedures shall be reviewed and updated for deactivation/shutdown status.			
3A.	REVIEW AND UPDATE OF THE INTERIM SAFETY BASIS REPORT WILL BE COMPLETED AND PROVIDED TO BHI 6 MONTHS PRIOR TO TURNOVER.			
3B.	REVIEW AND UPDATE OF THE PLANT EMERGENCY PROCEDURES WILL BE COMPLETED AND PROVIDED TO BHI 6 MONTHS PRIOR TO TURNOVER.			
4. 4A.	CVI index, drawings, procedures, prints, photographs, history, design and operating documents provided. AVAILABLE ESSENTIAL DRAWINGS, A DRAWING LIST, PROCEDURES, ETC. WILL BE PROVIDED IN TURNOVER FILE.			
5.	All permanent radiologically contaminated areas to be decontaminated and released or the surface contamination levels reduced or fixed in place to minimize re-suspension and/or migration of loose contamination.	NOT APPLICABLE		
6.	Full compliance with Hanford Site Radiological Control Manual must be assured, especially as it pertains to radiological posting. COMPLIANCE WITH HANFORD SITE RADIOLOGICAL CONTROL MANUAL WILL BE CONFIRMED BY HAVING 300 AREA RADIOLOGICAL CONTROL PERFORM AN ASSESSMENT AND WHC WILL CORRECT ALL NOTED DISCREPANCIES.			

END POINT TABLE				
ITEM #	END POINT ACCEPTANCE CRITERIA - OUTSIDE TRENCH SYSTEM		WHC	BHI
IMPLEMENTATION/ VERIFICATION DOCUMENT	ACCEPTANCE INITIALS		NOT APPLICABLE	
7.	Temporary radiologically posted areas are cleaned up and radiologically released.		NOT APPLICABLE	
8.	All stored radioactive and mixed waste removed.			
	ALL PIPING WILL BE REMOVED FROM THE TRENCH SYSTEMS AND THE TRENCHES BACKFILLED:			
8A.	313 TO 303F CONNECTING TRENCH			
8B.	303F TO 333 CONNECTING TRENCH			
8C.	333 TO 334A CONNECTING TRENCH			
8D.	334 TANK FARM TRENCH SYSTEM. THIS TRENCH WILL BE BACKFILLED TO THE FENCE LINE WHERE THE TRENCH CONTINUES TO THE 306 BUILDING.			
9:	All hazardous materials used for deactivation and cleanup work must be collected and disposed of in accordance with requirements. ALL HAZARDOUS MATERIALS USED FOR DEACTIVATION AND CLEANUP WILL BE REMOVED.			
10.	All unattached hazardous materials(i.e., loose friable asbestos, lead, mercury, etc.) must be removed from the facility and disposed of in accordance with requirements.		NOT APPLICABLE	
11.	Attached hazardous materials located, identified, quantified, labelled as necessary, and recorded.		NOT APPLICABLE	
12.	All reactor fuel elements and/or other source and special materials must be removed from the building.		NOT APPLICABLE	
13.	Final radiological status surveys available.			
13A.	FINAL RADIOLOGICAL SURVEYS WILL BE INCLUDED WITH THE DEACTIVATION CHECKSHEET.			
14.	Tanks, vessels, drums, etc. drained and heels removed.		NOT APPLICABLE	

END POINT TABLE				
ITEM #	END POINT ACCEPTANCE CRITERIA - OUTSIDE TRENCH SYSTEM	ACCEPTANCE INITIALS		IMPLEMENTATION/ VERIFICATION DOCUMENT
		WHC	BHI	
15.	All elevator and crane systems are laid up with documentation of the type, weight and class of fluid required for operation, should that become desirable in the future.	NOT APPLICABLE		
16.	Documentation is available confirming that zero energy checks were made on all de-energized electrical circuits and isolated pressurized systems e.g., water, service air, steam, etc. using existing documents to the extent possible.	NOT APPLICABLE		
17.	Electrical systems reduced to that necessary for S&M and subsequent D&D. This includes removal of emergency light fixtures and the associated batteries. Where appropriate, centralize the remaining electrical services to a single point.	NOT APPLICABLE		
18.	All heating, ventilation and air conditioning supply and exhaust air systems shut down and de-energized. This criteria includes evaluation and, as appropriate, the shutdown of the High-efficiency particulate air-filtered (HEPA) ventilation exhaust from process areas.	NOT APPLICABLE		
19.	All unneeded equipment shut down.	NOT APPLICABLE		
20.	Fire protection systems downgraded.	NOT APPLICABLE		
21.	The radiation space monitoring system should be reduced to a level required by the Health Physics organization.	NOT APPLICABLE		
22.	The continuous air monitoring system should be reduced to a level required by the Health Physics organization.	NOT APPLICABLE		
23.	The criticality monitoring and alarm system should be deactivated.	NOT APPLICABLE		
24.	Reduce or eliminate the electrical, service air, and water supply services to the building in accordance with the requirements for S&M.	NOT APPLICABLE		

END POINT TABLE				
ITEM #	END POINT ACCEPTANCE CRITERIA - OUTSIDE TRENCH SYSTEM	ACCEPTANCE INITIALS		IMPLEMENTATION/ VERIFICATION DOCUMENT
		WHC	BHI	
25.	Remove all emergency lighting and dispose of associated batteries.	NOT APPLICABLE		
26.	The building steam system should be deactivated and tagged.	NOT APPLICABLE		
27.	All effluent flow routes to disposal sites are isolated by sealing at the building.			
27A.	PROCESS SEWER FLOW ROUTE WILL BE ISOLATED BY SEALING.			
28.	All building penetrations, i.e., louvers, open piping, etc. shall be closed off to prevent bird and animal intrusion.	NOT APPLICABLE		
29.	All systems that were open to facilitate deactivation and could present a radiological and/or an industrial safety problem if left open must be adequately closed off.			
29A.	ALL OPEN SYSTEMS PRESENTING RADIOLOGICAL AND/OR INDUSTRIAL SAFETY PROBLEM WILL BE ADEQUATELY CLOSED OFF.			
30.	Roof leaks repaired and suspect areas reviewed.	NOT APPLICABLE		
31.	Office furniture and supplies removed.	NOT APPLICABLE		
32.	Unnecessary parts, tools, and portable equipment removed.	NOT APPLICABLE		
33.	Janitorial supplies and unattached hazardous materials removed.	NOT APPLICABLE		
34.	Loose and/or damaged asbestos removed or stabilized.	NOT APPLICABLE		
35.	Perform good housekeeping in all zones and areas in and around the facility.			
35A.	GOOD HOUSEKEEPING WILL BE PERFORMED IN ALL ZONES AND AREAS IN AND AROUND FACILITY.			

END POINT TABLE				
ITEM #	END POINT ACCEPTANCE CRITERIA - OUTSIDE TRENCH SYSTEM	ACCEPTANCE INITIALS		IMPLEMENTATION/ VERIFICATION DOCUMENT
		WHC	BHI	
36.	Any required Environmental Monitoring Systems maintained by the ERC are identified and in serviceable condition.	NOT APPLICABLE		
37.	Any seal pits, dry or wet, must be identified and their radiological status documented and of file.	NOT APPLICABLE		
38.	All doors should be bolted shut from the inside except those needed for entrance or to comply with emergency egress requirements. Emergency exit doors should have crashbar systems installed. Keys needed for entrance shall be turned over to BHI.	NOT APPLICABLE		
39.	Environmental and/or other applicable permits associated with the facility must be reviewed with EM-40/BHI to determine the status and applicability for maintaining them.	NOT APPLICABLE		
39A.	CLEAN CLOSURE VERIFICATION OF THE WATS SYSTEM WILL BE PROVIDED.			
40.	Deactivation of the facility shall be accomplished to the extent that future surveillance inspections will not be required on a frequency of more than once each quarter.			
40A.	DEACTIVATION OF FACILITY WILL BE ACCOMPLISHED TO MINIMIZE SURVEILLANCE.			
	<p>END POINTS ACCEPTABLE</p> <p> WHC</p> <p>END POINTS COMPLETED</p> <p>_____</p> <p>WHC</p> <p> BHI</p> <p>_____</p> <p>BHI</p>			

ADMINISTRATIVE END POINTS	EP CLOSURE			
	WHC	BHI	REF.	DATE
AIR PERMITTING DOCUMENTATION				
FIRE HAZARD ANALYSIS (FHA)				
FUEL SUPPLY SHUTDOWN PROCEDURES INACTIVATED				
MEMORANDUM OF AGREEMENT (MOA)				
NEPA DOCUMENTATION				
PHYSICAL PROPERTY RECORDS TRANSFERRED				
RIDS				
S&M PHASE UPDATED FEMP				
S&M PHASE UPDATED S&M PLAN				
TPA AND REGULATORY COMMITMENTS				
TRANSFER OF CLASSIFIED DOCUMENTS TO RECORDS HOLDING				
END POINTS ACCEPTABLE WHC BHI				
END POINTS COMPLETED WHC BHI				

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