AR TARGET SHEET

The following document was too large to scan as one unit, therefore it has been broken down into sections.

DOCUMENT # SD-WM-TPP-054

EDMC # 0048823 Rev 2

SECTION 1 **OF** 2

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0048823

ENGINEERING CHANGE NOTICE

H

Page 1 of 2

1. ECN 645548

Proj. ECN

2. ECN Category (mark one)	3. Originator's Name, Organization, MSIN, and Telephone No.	4. USQ Required?	5. Date
Supplemental [] Direct Revision [X] Change ECN [] Temporary [] Standby [] Supersedure [] Cancel/Void []	STEVE GIAMBERARDINI DPG, S4-49, 376-2680	[] Yes [X] No	3/1/98
	6. Project Title/No./Work Order No. B PLANT DEACTIVATION	7. Bldg./Sys./Fac. No. 221-B/B PLANT	8. Approval Designator N/A
	9. Document Numbers Changed by this ECN (includes sheet no. and rev.) HNF-SD-WM-TPP-054 REV 2A	10. Related ECN No(s). N/A	11. Related PO No. N/A

12a. Modification Work	12b. Work Package No.	12c. Modification Work Complete	12d. Restored to Original Condition (Temp. or Standby ECN only)
[] Yes (fill out Blk. 12b) [X] No (NA Blks. 12b, 12c, 12d)	N/A	N/A Design Authority/Cog. Engineer Signature & Date	N/A Design Authority/Cog. Engineer Signature & Date

13a. Description of Change 13b. Design Baseline Document? [] Yes [X] No

THE FOLLOWING CHANGES ARE INCORPORATED TO REVISION 2B OF THE B PLANT END POINT DOCUMENT:
1. REMOVING "LIMITED USE: NOT FOR PUBLIC RELEASE" CLASSIFICATION FROM DOCUMENT AND LISTING AS "APPROVED FOR PUBLIC RELEASE".
2. ADDING ADMINISTRATIVE END POINT DOCUMENTING LEAD INVENTORY (00.00.28).
3. MOVING FOUR VESSELS FROM OPERATING GALLERY END POINTS (DELETING SECTION 05.03) TO CANYON END POINTS (NEW SECTION 04.53).
4. ADDING THREE WASTE SITES (18.03.42,43,44,45, AND SECTION 18.24)

14b. JUSTIFICATION DETAILS
1. DOCUMENT IS NOT PATENTABLE AND NO LONGER IS REQUIRED TO BE RESTRICTED.
2. ADDING LEAD END POINT TO PROVIDE INDIVIDUAL DOCUMENTATION OF THIS PARTICULAR REMAINING HAZARD.

14a. Justification (mark one)

Criteria Change	[]	Design Improvement	[]	Environmental	[]	Facility Deactivation	[X]
As-Found	[]	Facilitate Const	[]	Const. Error/Omission	[]	Design Error/Omission	[]

14b. Justification Details
3. THESE VESSELS ARE INCORRECTLY LISTED AS GALLERY LIST B AND ARE REGROUPED WITH THE CANYON VESSEL END POINTS. THESE FOUR VESSELS ARE CURRENTLY ACTIVE AND SUPPORT CANYON ACTIVITIES AND WILL BE DEACTIVATED WITH THE REMAINING CANYON VESSELS.
4. WASTE SITES UPR-200-138, 200-E-6, AND 200-E-28 IDENTIFIED AS B PLANT RESPONSIBILITY.

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

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A-7900-013-1

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ENGINEERING CHANGE NOTICE

1. ECN (use no. from pg. 1): 645548

16. Design Verification Required	17. Cost Impact					18. Schedule Impact (days)	
	ENGINEERING			CONSTRUCTION			
[] Yes	Additional	[]	$N/A	Additional	[] $N/A	Improvement	[]
[X] NO	Savings		$N/A	Savings	[] $N/A	Delay	[]

19. Change Impact Review: Indicate the related documents (other than the engineering documents identified on Side 1) that will be affected by the change described in Block 13. Enter the affected document number in Block 20.

SDD/DD	[]	Seismic/Stress Analysis	[]	Tank Calibration Manual	[]
Functional Design Criteria	[]	Stress/Design Report	[]	Health Physics Procedure	[]
Operating Specification	[]	Interface Control Drawing	[]	Spares Multiple Unit Listing	[]
Criticality Specification	[]	Calibration Procedure	[]	Test Procedures/Specification	[]
Conceptual Design Report	[]	Installation Procedure	[]	Component Index	[]
Equipment Spec.	[]	Maintenance Procedure	[]	ASME Coded Item	[]
Const. Spec.	[]	Engineering Procedure	[]	Human Factor Consideration	[]
Procurement Spec.	[]	Operating Instruction	[]	Computer Software	[]
Vendor Information	[]	Operating Procedure	[]	Electric Circuit Schedule	[]
OM Manual	[]	Operational Safety Requirement	[]	ICRS Procedure	[]
FSAR/SAR	[]	IEFD Drawing	[]	Process Control Manual/Plan	[]
Safety Equipment List	[]	Cell Arrangement Drawing	[]	Process Flow Chart	[]
Radiation Work Permit	[]	Essential Material Specification	[]	Purchase Requisition	[]
Environmental Impact Statement	[]	Fac. Proc. Semp. Schedule	[]	Tickler File	[]
Environmental Report	[]	Inspection Plan	[]		[]
Environmental Permit	[]	Inventory Adjustment Request	[]		[]

20. Other Affected Documents: (NOTE: Documents listed below will not be revised by this ECN.) Signatures below indicate that the signing organization has been notified of other affected documents listed below.

Document Number/Revision	Document Number/Revision	Document Number Revision
N/A		

21. Approvals

	Signature	Date		Signature	Date
Design Authority SJ GIAMBERARDINI	SJ Giamberardini	3/16/98	Design Agent		
Cog. Eng.			PE		
Cog. Mgr. SD GODFREY	SD Godfrey	3/16/98	QA		
QA			Safety		
Safety			Design		
Environ.			Environ.		
Other			Other		
GW REDDICK (FDH)	GW Reddick	3/16/98	BHI	PHH	3/19/98
			DEPARTMENT OF ENERGY		
			DT EVANS	DT Evans	3/18/98
			ADDITIONAL		
			TA WOOLEY (WDOE)	TA Wooley	3/18/98

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B Plant End Points Document

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

EDT/ECN: 645548 UC: 2050
Org Code: 16C00 Charge Code: KN402
B&R Code: EW750000 Total Pages: 953

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

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

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

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

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Barbara L. Nichols 3/19/98
Release Approval Date Release Stamp

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COVER SHEET

HNF-SD-WM-TPP-054
Rev 2B

This supporting document serves to delineate those specific deactivation End Points for the B Plant facility.

Purposes and Use of Document: This document was prepared within the U.S. Department of Energy and its contractors. It is to be used only to perform, direct, or integrate work under U.S. Department of Energy contracts.

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RECORD OF REVISION	(1) Document Number HNF-SD-SM-TPP-054, Rev. 2B	Page 1

(2) Title
B Plant End Point Document

CHANGE CONTROL RECORD

(3) Revision	(4) Description of Change - Replace, Add, and Delete Pages	Authorized for Release (5) Cog. Engr.	(6) Cog. Mgr. Date
0	(7) Rev. 0. EDT 611739, June 4, 1996, Page change per ECN 629681.	L. D. Stefanski	S. D. Godfrey
1	Revision of entire document ECN 638602	P. K. Ryan	S. D. Godfrey
2	Revision of entire document ECN 645519	S. J. Giamberardini	S. D. Godfrey
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2B	Page change per ECN 645548	S. J. Giamberardini	S. D. Godfrey

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B-PLANT

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POINTS

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Preface

I. Executive Summary

Enclosed are the B Plant End Points required to complete the Facility Transition Phase and initiate the Surveillance and Maintenance (S&M) Phase. The primary objectives of Transition Projects is to transition a safe & stable facility and reduce S&M costs. Upon completion, the facility will be in a condition acceptable for the transfer from the Office of Facility Transition and Management (EM-60) to the Office of Environmental Restoration (EM-40). The End Points were derived from the systems and spaces at the B-Plant facility using a logical process based on the objectives, tasks, and expected future uses pertinent to that system or space. This follows the process used at the PUREX and UO_3 facilities and the U.S. Department of Energy Office of Nuclear Material and Facility Stabilization (EM-60) Facility Deactivation End Points Handbook, Volume 1: Methods and Examples and Volume 2: Deactivation Practices. Furthermore, the established criteria meets the intent and supports the guidance for acceptance, U.S. Department of Energy Office of Environmental Management (EM-40) Decommissioning Resource Manual, Chapter 3, Facility Transition (Draft) and Transmittal of Acceptance Criteria for the B-Plant Complex letter from Richard A. Holten to Jim Mecca, January 19, 1996, #025662.

II. Background

The B Plant facility at the Department of Energy's Hanford Site is located in the south central region of Washington State. The plant was constructed between 1943-45 and was originally designed to process spent nuclear fuels in support of the Manhattan Project. After its original mission was completed, the plant was modified from 1962-67 for the separation of strontium and cesium from the fission product waste stream from the Plutonium-Uranium Extraction Plant (PUREX). The recovered, purified and concentrated strontium and cesium solutions were then transferred to the Waste Encapsulation and Storage Facility (WESF) for conversion to solid compounds, encapsulation, and interim storage. These Cs/Sr separation campaigns were conducted at B Plant from 1968 to 1985.

B Plant is comprised of three main buildings - the 221-B Processing building, or canyon; the 271-B Service and Office Building; and the 225-B WESF Building. Many smaller support buildings exist within the B-Plant complex. The WESF building, 225-B is not in the scope of the B Plant deactivation project.

The 221-B Building is a reinforced concrete structure. The processing portion of the 221-B Building consists of a canyon and craneway, 40 process cells, a hot pipe trench, a ventilation tunnel and a railroad tunnel. The service and operating portion of the building consists of an operating gallery, a pipe gallery and an electrical gallery. The 271-B Building consists of a basement and three floors. It is a reinforced concrete and cement block structure. This building is attached to the north and center of the 221-B Building.

In May 1991, DOE eliminated B Plant from any future processing missions due to the difficulties of bringing a 46 year old plant up to current environmental standards. Since that time B Plant has continued to operate, ensuring safe storage and management of approximately 144 MegaCuries of Cesium and Strontium Capsules in the WESF as well as substantial radiological contamination and residual inventory from past operations. DOE issued a B Plant shutdown order on October 5, 1995.

The legacy of B Plant's long history of radiochemical separation process missions is a substantial quantity of poorly characterized radioactive inventory. This inventory is in the form of stored process liquids (including liquid organics), kilocurie quantities of solid particulate strontium and cesium contained in underground high-efficiency particulate air (HEPA) filters, and a highly contaminated facility structure.

B Plant has an unique status compared to other former production facilities in that it supplies critical system support to WESF. WESF has a ongoing mission for the safe storage of the capsule inventory. This support complicates the deactivation process in that these systems must be "decoupled" prior to ultimate deactivation.

III. Introduction

The Department of Energy (DOE) is proceeding with the formidable task of decommissioning those nuclear defense facilities which are no longer used or needed. There are many such facilities at DOE sites around the nation. Ultimately, all facilities will be transitioned, reducing the threat to the public or environment. However, with so many facilities requiring near term attention, DOE has been moving aggressively to assess the condition of the affected facilities, and to deactivate them on a prioritized basis, thus achieving the maximum degree of protection in the shortest possible period.

For each facility, the overall objective of transition is to achieve a safe, stable and environmentally sound condition, suitable for an extended period, as quickly and economically as possible. Once transitioned, the facility is kept in its stable condition by means of a methodical surveillance and maintenance (S&M) program, pending ultimate disposition.

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

- End points must be such that the central element of the Transition objective - to achieve stability - is unquestionably achieved.

- Much of the Transition work involves worker exposure to radiation or dangerous materials. This can be minimized by avoiding unnecessary work.

- Each task is, in effect, competing for resources with other Transition tasks and other facilities. By assuring that each task is appropriately bounded, DOE's overall resources can be used most fully and effectively.

IV. End Point Principles

This document was derived from a logical process of determining end points for each of the facility's systems and spaces based on the objectives, tasks, and expected future uses pertinent to that system or space. End points are developed in a hierarchical way, in successively more detailed levels, to the point of quantitative item-by-item end points suitable for developing engineering work plans and performing field work packages.

There are several guiding principles (ground rules) which form the foundation of the end point process. They are:

- The decision to create an end point should be driven by, and clearly linked to, top-tier program objectives, not by feasibility or capability. This is the central principle of the logic-based approach. End point determinations, along with allocation of resources and selection of methods, should all stem directly and clearly from program goals and top-tier objectives.

- The end point condition of the Transitioned facility should employ defense-in-depth as a fundamental safety approach. As applied here, defense-in-depth involves three layers of protection: elimination of hazards, effective facility containment, and facility monitoring and control.

- End point decisions are integrally linked to decisions (and constraints) on resources and methods. Cost effectiveness is important. DOE needs to achieve the maximum safety improvement for every dollar spent.

  A successful end point development requires ownership - "buy-in"- by all affected organizations including project planners, those who implement the plans, and the ultimate customers (EM-40). This should be an explicit part of the process.

- Work teams in the field need clear, quantitative End Points. They can't work effectively with vague or functional objectives. To be workable, end points must be:

  - established up front
  - clear, quantitative
  - practical and achievable

- It is not known when or what the ultimate facility disposition will be. Therefore, end point decisions should not be driven by dispositioning presumptions. This does not preclude insightful decisions being made to prevent hinderance during the final dispositioning process.

- End point development is an iterative process. Most end point decisions can be made during the planning stages early in the project, however, some will have to be revisited as the Transition Phase proceeds.

V. End Point Methodology

The creation of end points is a logical, top down process that takes into account the Transition objectives, the kinds of work which is to be done (or considered), and the parts of the facility - spaces and systems - which will have to be addressed. The following is a brief synopsis of the process for establishing end points:

1. *Defining the Objectives*

   Every end point is driven by an objective; therefore, step 1 is to define the top level objectives which will then form the basic criteria for the end points. For B-Plant (and generally for all Transition projects) they are:

   - Protecting the public and the environment
   - Facilitating S&M
   - Facilitating the ultimate Decommissioning work
   - Complying with regulations and requirements

2. *Defining Task Types*

   Task types are the series of tasks which take the facility from its existing state, with hazards and conditions resulting from its lifetime of operation, to its deactivated state. For B-Plant Deactivation, the following Task Types were used throughout the End Point development process.

   Note: Many of the activities described below overlap with other Task Type activities. The focus should be on **why** the activity is performed not **which** Task Type it falls under.

   TT-1 **Hazards** - The elimination or reduction of hazards, nuclear and non-nuclear, is a fundamental action to achieve defense-in-depth protection for the facility during its S&M phase. Elimination and/or reduction activities include removing, isolating, draining and minimizing activities. Administrative reviews of known hazardous conditions (i.e. Confined Spaces) are also included in this Task Type.

   TT-2 **Radiation Fields** - The reduction, shielding or isolation of radiation fields supports ALARA practices and protects both deactivation and S&M workers while performing activities throughout the facility. Activities associated with this Task Type include removal, shielding, documenting and ensuring the proper radiological posting of remaining radiation fields.

   TT-3 **Contamination** - The removal, reduction, or isolation/containment of radioactive contamination to mitigate and prevent spreading; supports ALARA practices and protects both deactivation and S&M workers while performing activities throughout the facility. Activities associated with this Task Type include decontamination, isolation, fixing, documentation and ensuring the proper radiological posting of contaminated areas.

TT-4 **Waste** - Compliance with regulations and requirements drive the removal and disposal of radioactive, dangerous and mixed waste items from the plant. Task Type activities generated by these regulations and Waste Minimization practices include removal, Tank Flushing, excessing, RCRA permitting and waste disposal.

TT-5 **Isolate and Contain** - Effective containment of the facilities remaining hazards and protection from the environment is another fundamental action of the defense-in-depth approach. Task Type activities include blanking, plugging, covering, removal, screening, and sealing of doors, windows, pipe penetrations, holes, drains etc.

TT-6 **Monitor and Control** - Monitoring and Control is the final fundamental action of the defense-in-depth approach to achieve a safe, stable facility suitable for long term S&M. This Task Type provides the necessary activities required to support and minimize the cost, risk and hazards involved with the future S&M of the facility. Examples are instrumentation, installation of windows in ancillary buildings, and providing surveillance lighting.

TT-7 **Refurbish or Install** - Issues identified during the transition which must be completed to ensure a safe, sound, stable facility are included under this Task Type. Activities include structural repairs and roof sealing and the modification of the facility ventilation system. A simple Cost Benefit Analysis should be performed prior to including an activity under this Task Type. For example, the cost to repair a small ancillary buildings leaking roof may warrant demolition rather than repair.

TT-8 **Document and Label** - This Task Type covers the documentation and labeling required for the specific space or system. Additional supporting documentation not included in the other Task Types but is specific to the space or system is also included here. Documentation that is "global" to the Project has been included in the Administrative End Point section.

3. *Classification of Systems and Spaces*

The facility is comprised of spaces and systems and end points need to be established for each. The spaces and system will be classified, in terms of their intended deactivated condition, into six (6) cases, as follows:

- Internal spaces for which routine access will be required
- Internal spaces for which access is not expected
- External spaces including building exterior envelopes
- Systems/equipment which must be kept operational
- Systems/equipment to be mothballed (i.e., suitable for later refurbishment and operation)
- Systems/equipment to be abandoned in place.

4. *Integration of Objectives, Tasks and the Six Cases*

The overall process then is to assess the entire job (project) by examining its three dimensions - objectives, tasks, and spaces/systems - in a logical, top down manner. The general sequence is as follows:

Level I

- For each of the six (6) spaces/systems (e.g., Internal Space, Routine Access Required), a simple functional matrix is used to determine, in general terms, which tasks are necessary to achieve the facility objectives. This begins to define the scope of the end points in a top level, generic manner.

Level II

- Using the output of that evaluation, a set of end point criteria is developed (in more detailed quantitative terms) for each applicable Objective/Task intersection identified by the individual matrix for each of the six cases. This set of criteria will be applied against every element within its respective case classification.

Level III

- As the level II criteria is applied to each of the elements within the respective case, a set of End Points will be established from the applicable criterion. These End Points define the scope of the engineering workplans and field work packages.

During the End Point development process, facility generic issues or conditions are identified, (i.e. radiological posting requirements). The documentation supporting the issue or conditions resolution becomes an End Point Technical Information (EPTI). EPTI's provide a basis for future reference and ensure consistent application throughout the project.

In addition, the B-Plant complex is diverse and may cause the generation of level III End Points that may not be clearly linked to the established criteria.

VI. Document Elements

Functional End Points (Level I Matrix) -

The initial matrix is used to determine, in general terms, the kinds of tasks necessary to achieve the facility objectives. It prioritizes or focuses the importance of each task as it relates to a particular objective into four general categories:

(1) Primary Considerations:

Those tasks, which due to the objectives they support, will likely be the controlling factor in setting the end point.

(2) Secondary Considerations:
Those tasks, which due to the objectives they support, will not likely be the controlling factor in setting the end point, but must be considered.

(3) As Applicable:
Indicates that if there is an established regulation or requirement which applies to a particular task type, an end point shall be established accordingly.

(4) Not Applicable:
Those tasks which do not directly support a particular end point objective.

(5) Meet Commitments to Stakeholders:
Indicates a specific end point resulting from a commitment that is specified by agreement.

End Point Criteria (Level II Matrix) -

Each of the six (6) cases (spaces or systems) will have a matrix defining the end point criteria which are common to <u>every</u> element within that case. For example, there may be 12 spaces within case 1 (internal spaces, routine access required) and the criteria would be applied to each of these 12 spaces.

_nd Points (Level III Matrix) -

Each of the six (6) cases (spaces or systems) will have a matrix defining end points which are specific to only <u>one</u> element within that case. For example, there may be 12 spaces within Case 1, but only one of these spaces may have the End Point to isolate floor drains.

VII. Definitions and Acronyms

ALARA
- **A**s **L**ow **A**s **R**easonably **A**chievable

ALEA
- **A**s **L**ow as **E**conomically **A**chievable

As Applicable
- As applied in the End Point matrices, "As Applicable" indicates that if there is an established regulation, requirement, or a commitment to stakeholders which applies to a particular Task Type, an end point shall be established accordingly.

'A
- **C**ontamination **A**rea

CASE 1 / Internal Spaces, Routine Access Required
- Spaces within a facility which routine access will be required.

CASE 2 / Internal Spaces, No Access Expected
- Spaces within a facility which routine access is not expected.

CASE 3 / External Spaces, Including Building Exterior Envelope
- Spaces subject to ambient conditions including the outside surfaces of buildings.

CASE 4 / System, Operational
- System is required to remain in service.

CASE 5 / System, Mothballed
- System is left in a state where it may be suitable for later refurbishment or operation to facilitate future S&M/Decommissioning efforts.

CASE 6 / System, Abandoned In Place
- After meeting all applicable end points, the system is left in place.

CRITERIA (LEVEL II)
- A set of standards used to define the required actions.

Deactivation
- Activities associated with removing facility systems and/or areas from operational service with the intent of being ready for facility transition to either convert the facility for another use or permanent shutdown.

Decommissioning Process
- The sequential phases for a facility, once a shutdown decision is made by DOE-HQ, through facility transition, surveillance and maintenance (S&M), and facility dispositioning.

Defense-in-depth
- As applied here, defense-in-depth involves three layers of protection: elimination of hazards, effective facility containment, and facility monitoring and control.

Disposition Phase
- Final period in the life of a facility.

EPTI
- **E**nd **P**oint **T**echnical **I**nformation. A compilation of documents to support end point conclusions.

FHA
- **F**ire **H**azard **A**nalysis

FUNCTIONAL MATRIX (LEVEL 1)

- The initial matrix is used to determine, in general terms, the kinds of tasks necessary to achieve the facility objectives. It prioritizes or focuses the importance of each task as it relates to a particular objective into four general categories:
  - Primary Considerations
  - Secondary Considerations
  - As Applicable
  - Not Applicable
  - Meet Commitments to Stakeholders

HVAC

- **H**eating, **V**entilation, and **A**ir **C**onditioning

MCC

- **M**otor **C**ontrol **C**enter. MCC's are enclosures which contain electrical distribution equipment. i.e. switchgear, breakers, etc.

NEC

- **N**ational **E**lectrical **C**ode

Primary Consideration

- Those tasks, which due to the objective it supports, will likely be the controlling factor in setting the end point.

PRV

- **P**ressure **R**educing **V**alve

RBA

- **R**adiological **B**uffer **A**rea

Reasonable Best Effort

- That effort where parameters are reduced to "As Low As Economically Achievable" (ALEA). Implies a "Best Management Practices" approach is used to reach a realistic, logical and cost-effective conclusion.

Routine Access

- Access is required to perform S&M.

Secondary Consideration

- Not likely to be a controlling factor, but considering ALEA and ALARA principles there may be merit.

S&M

-**S**urveillance and **M**aintenance

Surveillance and Maintenance
- Those activities conducted to assure that a site or facility remains in a physically safe and environmentally secure condition, and includes periodic inspections and monitoring of the property, appropriate contamination control actions, and required maintenance of barriers controlling access.

SME
- Subject Matter Expert

Stakeholder
- Stakeholders can be separated into four broad groups:

- Traditional stakeholders are those that have concurrence or approval authority for Project activities and are within existing DOE Headquarters (DOE-HQ), DOE Richland Operations Office (DOE-RL), and BWHC organizations (e.g., the independent safety and quality assurance organizations). These stakeholders include B-Plant Deactivation Project participants and internal stakeholders whose active participation is necessary for the Project to succeed.

- Legislated stakeholders are those who have collateral or enforcement authority, invoked through the legislative process, for Project activities. These stakeholders are partners to the Project, such as the Washington State Department of Ecology, Environmental Protection Agency, Department of Health and the Defense Nuclear Facilities Safety Board. Legislated stakeholders' active participation is necessary for success of the B-Plant Deactivation Project.

- Public stakeholders are those who influence DOE policy toward the Project through public advocacy or opinion. Public stakeholders include BWHC employees, the general public, and advisory groups. Public stakeholders' participation is voluntary and generally depends on the B-Plant Deactivation Project's perceived impact on their lives and interests.

- Native American Nations

For the purposes of End Points, "Meet Commitments To Stakeholders" refers <u>ONLY</u> to the last three bullets above.

Surveillance Corridor
- The recommended pathway to be used for S&M activities.

T-Duct
- An enclosure which contains insulated wiring for equipment/instrumentation.

Transition Phase
- Those activities necessary to place the subject facility in a safe, stable, and environmentally sound condition, suitable for an extended period of surveillance and maintenance pending final disposition. Facility transition starts with termination of operations, includes the establishment of a S&M program, and ends with the achievement of facility-specific end points.

ıdministration

Completion and verification of the B Plant End Points by both the DOE EM-60 Contractor B&W Hanford Company (BWHC) and the DOE EM-40 Contractor Bechtel Hanford Inc. (BHI), is required to complete the Facility Transition Phase and initiate the Surveillance and Maintenance (S&M) Phase of the Decommissioning Process. Upon BHI acceptance, the facility will be in a condition acceptable for the transfer from the Office of Facility Transition and Management (EM-60) to the Office of Environmental Restoration (EM-40). A Memorandum of Agreement (MOA) will be required to delineate and transfer responsibilities for the future S&M activities associated with B Plant. The document will also describe the facility condition including environmental, safety and outstanding regulatory concerns.

End Point Closure

The End Point document has grouped the facilities spaces and systems into a number of manageable areas. These areas are closely related to the engineering workplans which guide completion of many of the End Points.

Upon completion of an End Point, a BWHC field representative will initial complete on the field copy of the End Point document. A BHI field representative will then verify acceptable completion of the applicable activity. Verification may be performed by review of documents, letters, photo's, work packages, work lans or visually. When all the End Points for a specific area of the facility have been completed and .erified, designated BWHC Management along with BHI Management, will sign completion and acceptance of that area. A filing system will be required for storage of the documentation closing End Points.

Administrative End Points and Turnover Package

Administrative End Points are a compilation of identified supporting documentation for the transition of the B Plant facility into the Surplus Facilities Program. An End Point has been assigned to them for tracking and verification purposes only. The compilation includes those documents that are required by law, Tri-Party Agreements, Department of Energy (DOE) Orders or have been identified by B Plant Management, the DOE and/or Bechtel Hanford Inc. (BHI).

Additional supporting documentation is also included under the requirements of a Turnover Package. The Turnover Package activities support the physical "hands on" documentation required for performance of "future" surveillance entries, audits and to assist disposition planning i.e., "Final Radiological Surveys and Maps". Turnover Package items are addressed in the End Points for the specific Space or System where the requirement is applicable.

Turnover Package

- Cell arrangement drawings
- Certified vendor information (CVI)
- Chemical and hazardous substance inventory
- Deactivation work plans
- Description/photos of Case 2 spaces
- Electrical distribution drawings
- Final radiological surveys and maps
- RCT quarterly routine
- Industrial space hazards identified
- Operational systems waste accumulation areas identified - Case 4
- Structural and roof studies
- Fire Hazard Analysis Requirements (FHA)
- Compliance with the Hazards Communication Program
- Compliance with the Asbestos Control Program
- Compliance with the Confined Space Program
- Waste characterization data for egress waste

Transition Administration

Number	*End Point Title*	*EP Closure*
00.00.01	Air Permitting Documentation. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* **0**
00.00.02	Complete Outstanding Audit Findings - QUEST, HATS, Occurrence Reports *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* **0**
00.00.03	Configuration management performed in accordance with site standards *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* **0**
00.00.04	Essential drawings and a list of all facility drawings *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* **0**
00.00.05	Fire Hazard Analysis (FHA) *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* **0**

Transition Administration

Number	*End Point Title*	*EP Closure*
00.00.06	Memorandum of Agreement (MOA) *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* **0**
00.00.07	NEPA Documentation *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* **0**
00.00.08	Physical Property Records Transferred *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* **0**
00.00.09	Preclosure Work Plans *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* **0**
00.00.10	Preliminary S&M Plan *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* **0**

Transition Administration

Number	*End Point Title*	*EP Closure*
00.00.11	B Plant procedures inactivated *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* **0**
00.00.12	Removal/disposal of radioactive, hazardous and mixed waste in accordance with state and federal regulations *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* **0**
00.00.13	S&M phase updated Building Emergency Plan (BEP) *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* **0**
00.00.14	S&M phase updated Safety Equipment List (SEL) *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* **0**
00.00.15	Exact geographic limits established for area transferred to ERC *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* **0**

Transition Administration

Number	*End Point Title*	*EP Closure*
00.00.16	S&M phase updated Surveillance and Maintenance (S&M) Plan *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* **0**
00.00.17	Surveillance and Maintenance (S&M) procedures and files *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* **0**
00.00.18	TPA and regulatory commitments *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* **0**
00.00.19	Transfer of classified documents to Records Holding *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* **0**
00.00.20	S&M phase updated Safety Authorization Basis *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* **0**

Transition Administration

Number	*End Point Title*	*EP Closure*
00.00.21	Turnover package contents completed *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0
00.00.22	End Point Technical Information (EPTI) *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0
00.00.23	Records inventory and disposition schedule (RIDS) *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0
00.00.24	S&M phase updated Facility Environmental Monitoring Plan (FEMP) *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0
00.00.25	Radiological condition documentation *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 2

Transition Administration

Number	*End Point Title*	*EP Closure*
00.00.26	Remaining hazardous waste/dangerous waste documentation *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 2
00.00.27	Confined space listing and map *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 2
00.00.28	Document amount and location of remaining lead inventory *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 2B

CASE 1

Internal Spaces, Routine Access Required

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B-Plant Functional End Point Matrix

Case 1: Internal Spaces, Routine Access Required

Objectives	Task Types							
	1	2	3	4	5	6	7	8
	Hazards	Radiation Fields	Contamin-ation	Waste	Isolate & Contain	Monitor & Control	Refurbish or Install	Document & Label
Protect Public & Environment	*	N/A	N/A	N/A	*	N/A	N/A	N/A
Facilitate S&M - Protect Workers - Reduce Cost	*	*	*	√	√	*	*	*
Facilitate Decommissioning	√	√	√	N/A	N/A	N/A	N/A	*
Comply with Regulations & Requirements	A	A	A	*♦	N/A	N/A	N/A	A♦

N/A	*	√	A	♦	♥	♠	♣
Not Applicable	Primary Consideration Likely to be a controlling factor in setting end point.	Secondary Consideration Not likely to control end points, but there may be merit if simple, cost-effective.	As Applicable Check requirements, act accordingly.	Meet Commitments to Stakeholders	Undefined	Undefined	Undefined

Case 1

Internal Spaces, Routine Access Required

212-B Operating Gallery
221-B Electrical Gallery
221-B Pipe Gallery
221-B Stairwells 1, 3, 11, 13 and 19
222-B Office Building
271-B Basement Shops
271-B First Floor
271-B Second Floor
271-B Third Floor AMU

B-Plant Criteria

Internal Spaces, Routine Access Required
Case 1

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

B-Plant Criteria

Internal Spaces, Routine Access Required
Case 1

Task Type (TT-2): Radiation Fields		
Objective		**Criteria**
Facilitate S&M - Protect Workers - Reduce Cost	*	Maximum general dose rates for surveillance corridors are provided in the End Points. These were established based on starting/current dose rates and the use of ALARA, ALEA and reasonable best efforts.
Facilitate Decommissioning	√	Remove/Shield source material to mitigate radiation exposure using the Reasonable Best Effort methodology.
Comply with Regulations & Requirements	A	Post radiological conditions in accordance with Hanford Site Radiological Control Manual (HSRCM-1), Chapter 2, Rev 2 (Ref EPTI #4).
		Remove temporary radiological areas.

B-Plant Criteria

Internal Spaces, Routine Access Required
Case 1

Task Type (TT-3): Contamination		
Objective		**Criteria**
Facilitate S&M - Protect Workers - Reduce Cost	*	Include survey requirements as part of the turnover package to verify containment of radioactive contamination.
		Maximum removable contamination levels for surveillance corridors are provided in the End Points. These were established based on starting/current contamination levels and the use of ALARA, ALEA, and reasonable best effort.
		Remove/fix/contain source material to mitigate contamination migration using the Reasonable Best Effort methodology.
Facilitate Decommissioning	√	Remove/fix/contain source material to mitigate contamination migration using the Reasonable Best Effort methodology.
Comply with Regulations & Requirements	A	Post radiological conditions in accordance with Hanford Site Radiological Control Manual (HSRCM-1), Chapter 2, Rev 2 (Ref EPTI #4).

B-Plant Criteria

Internal Spaces, Routine Access Required
Case 1

Task Type (TT-4): Waste		
Objective		**Criteria**
Facilitate S&M - Protect Workers - Reduce Cost	√	Housekeep and remove unattached material/equipment using the Reasonable Best Effort methodology.
Comply with Regulations & Requirements	*◆	Remove emergency lantern batteries and fire extinguishers.
		Remove/dispose of radioactive, dangerous, and mixed wastes in accordance with approved waste handling procedures.

B-Plant Criteria

Internal Spaces, Routine Access Required
Case 1

Task Type (TT-5): Isolate & Contain		
Objective		**Criteria**
Protect Public & Environment	*	Ensure engineered barriers/seals are in place for vermin control and to prevent migration of both hazardous and radioactive contamination to the environment.
Facilitate S&M - Protect Workers - Reduce Cost	√	Minimize access points to maintain control of contamination and ventilation.
		Ensure engineered barriers/seals are in place for vermin control and to prevent migration of both hazardous and radioactive contamination to the surrounding space.

B-Plant Criteria

Internal Spaces, Routine Access Required
Case 1

Task Type (TT-6): Monitor & Control		
Objective		**Criteria**
Facilitate S&M - Protect Workers - Reduce Cost	*	Isolate/plug floor drains to localize water intrusion.

B-Plant Criteria

Internal Spaces, Routine Access Required

Case 1

Task Type (TT-7): Refurbish or Install		
Objective		**Criteria**
Facilitate S&M - Protect Workers - Reduce Cost	*	Refurbish industrial safety deficiencies.

B-Plant Criteria

Internal Spaces, Routine Access Required
Case 1

Task Type (TT-8): Document & Label		
Objective		**Criteria**
Facilitate S&M - Protect Workers - Reduce Cost	*	Document identified area industrial hazards for inclusion in the turnover package.
Facilitate Decommissioning	*	Provide turnover package.
Comply with Regulations & Requirements	A♦	Document amount and location of remaining hazardous substances/dangerous wastes.
		Document space and associated system(s) dose rates and contamination levels in the final radiological survey report and map per Hanford Site Radiological Control Manual (HSRCM-1), Chapter 5, Rev 2 (Ref EPTI #5) for inclusion in the turnover package.

CASE 2

Internal Spaces, No Access Expected

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B-Plant Functional End Point Matrix

Case 2: Internal Spaces, No Access Expected

Objectives	Task Types							
	1	2	3	4	5	6	7	8
	Hazards	Radiation Fields	Contamin-ation	Waste	Isolate & Contain	Monitor & Control	Refurbish or Install	Document & Label
Protect Public & Environment	*	N/A	N/A	N/A	*	N/A	N/A	N/A
Facilitate S&M - Protect Workers - Reduce Cost	*	N/A	N/A	N/A	*	*	N/A	N/A
Facilitate Decommissioning	√	√	√	√	N/A	N/A	N/A	*
Comply with Regulations & Requirements	A	A	A	*♦	N/A	N/A	N/A	A♦

N/A	*	√	A	♦	♥	♠	♣
Not Applicable	Primary Consideration Likely to be a controlling factor in setting end point.	Secondary Consideration Not likely to control end points, but there may be merit if simple, cost-effective.	As Applicable Check requirements, act accordingly.	Meet Commitments to Stakeholders	Undefined	Undefined	Undefined

Case 2
Internal Spaces, No Access Expected

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

Case 2

Internal Spaces, No Access Expected

1-BF D Filter Instrument Building
1-BG E Filter Instrument Building
291-BJ F Filter Building
291-BK Monitoring Control Building
292-B Stack Monitoring Building
Mobile Office MO-109 at 224-B
Mobile Office MO-322 at 207-B Basin
Mobile Office MO-444 at 271-B
Mobile Office MO-446 at 271-B
Mobile Office MO-537 at 291-B Area
Mobile Office MO-930 at 292-B
Mobile Office MO-995 at 271-B
Substation C8-S49
Substation C8-S77

B-Plant Criteria

Internal Spaces, No Access Expected
Case 2

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

B-Plant Criteria

Internal Spaces, No Access Expected
Case 2

Task Type (TT-2): Radiation Fields		
Objective		**Criteria**
Facilitate Decommissioning	√	Remove/Shield source material to mitigate radiation exposure using the Reasonable Best Effort methodology.
Comply with Regulations & Requirements	A	Post radiological conditions in accordance with Hanford Site Radiological Control Manual (HSRCM-1), Chapter 2, Rev 2 (Ref EPTI #4).
		Remove temporary radiological areas.

B-Plant Criteria

Internal Spaces, No Access Expected
Case 2

Task Type (TT-3): Contamination		
Objective		**Criteria**
Facilitate Decommissioning	√	Remove/fix source material to mitigate contamination migration using the Reasonable Best Effort methodology.
Comply with Regulations & Requirements	A	Post radiological conditions in accordance with Hanford Site Radiological Control Manual (HSRCM-1), Chapter 2, Rev 2 (Ref EPTI #4).

B-Plant Criteria

Internal Spaces, No Access Expected
Case 2

Task Type (TT-4): Waste		
Objective		**Criteria**
Facilitate Decommissioning	√	Housekeep and remove unattached material/equipment using the Reasonable Best Effort methodology.
Comply with Regulations & Requirements	*♦	Remove emergency lantern batteries and fire extinguishers.
		Remove/dispose of radioactive, dangerous, and mixed wastes in accordance with approved waste handling procedures.

B-Plant Criteria

Internal Spaces, No Access Expected
Case 2

Task Type (TT-5): Isolate & Contain		
Objective		**Criteria**
Protect Public & Environment	*	Ensure engineered barriers/seals are in place for vermin control and to prevent migration of both hazardous and radioactive contamination to the environment.
Facilitate S&M - Protect Workers - Reduce Cost	*	Place postings at entrances to prevent unintentional/unauthorized access.
		Ensure engineered barriers/seals are in place for vermin control and to prevent migration of both hazardous and radioactive contamination to the surrounding space.

B-Plant Criteria

Internal Spaces, No Access Expected
Case 2

Task Type (TT-6): Monitor & Control		
Objective		**Criteria**
Facilitate S&M - Protect Workers - Reduce Cost	*	Install viewing window to permit surveillance.

B-Plant Criteria

Internal Spaces, No Access Expected
Case 2

Task Type (TT-8): Document & Label		
Objective		**Criteria**
Facilitate Decommissioning	*	Provide turnover package.
		Document identified area industrial hazards for inclusion in the turnover package.
Comply with Regulations & Requirements	A◆	Document amount and location of remaining hazardous substances/dangerous wastes.
		Document space and associated system(s) dose rates and contamination levels in the final radiological survey report and map per Hanford Site Radiological Control Manual (HSRCM-1), Chapter 5, Rev 2 (Ref EPTI #5) for inclusion in the turnover package.

CASE 3

External Spaces, Including Building Exterior Envelopes

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B-Plant Functional End Point Matrix

Case 3: External Spaces, Including Building Exterior Envelopes

Objectives	Task Types							
	1	2	3	4	5	6	7	8
	Hazards	Radiation Fields	Contamin-ation	Waste	Isolate & Contain	Monitor & Control	Refurbish or Install	Document & Label
Protect Public & Environment	*	N/A	*	N/A	*	N/A	N/A	N/A
Facilitate S&M - Protect Workers - Reduce Cost	*	*	*	N/A	*	*	*	*
Facilitate Decommissioning	√	√	√	√	N/A	N/A	N/A	*
Comply with Regulations & Requirements	A	A	A	*♦	A	N/A	N/A	A♦

N/A	*	√	A	♦	♥	♠	♣
Not Applicable	Primary Consideration Likely to be a controlling factor in setting end point.	Secondary Consideration Not likely to control end points, but there may be merit if simple, cost-effective.	As Applicable Check requirements, act accordingly.	Meet Commitments to Stakeholders	Undefined	Undefined	Undefined

Case 3

External Spaces, Including Building Exterior Envelopes

207-B Retention Basin
211-B Chemical Tank Farm
211-BA Chemical Sewer Neutralization Building Exterior
211-BB MCC Building Exterior
212-B Facility Exterior
216-B-59 High Risk Cooling Water Retention Basin
216-B-64 Steam Condensate Retention Basin
217-B Demineralizer Building Exterior
221-B Facility Exterior
221-BB Steam Condensate (BCS) Building Exterior
221-BC Change Room Building Exterior
221-BF Process Condensate (BCP) Storage Building Exterior
221-BG Cooling Water Monitor Sample Building Exterior
222-B Office Building Exterior
271-B Support Building Exterior
271-BA Laundry Building Exterior
2715-B Paint Storage Building Exterior
272-BA Spare Parts Shop Exterior
272-BB Insulation Shop Exterior
276-B Organic Makeup/Paint Storage Building Exterior
291-B Stack
291-B Stack/Steam Turbine Building Exterior
291-B Yard
291-BB A & B Filter Instrument Building - Exterior
291-BC C Filter Building Exterior
291-BD C Filter Instrument Building Exterior
291-BF D Filter Instrument Building Exterior
291-BG E Filter Instrument Building Exterior
291-BJ F Filter Building Exterior
291-BK Monitoring Control Building Exterior
292-B Stack Monitoring Building Exterior
Organic Storage Tanks
Railroad Vehicles
Sand Filter
Substation C8-S49 Exterior
Substation C8-S77 Exterior
UPR Site UPR-200-E-1
UPR Site UPR-200-E-103
UPR Site UPR-200-E-112
UPR Site UPR-200-E-140
UPR Site UPR-200-E-2
UPR Site UPR-200-E-3
UPR Site UPR-200-E-32

PR Site UPR-200-E-41
UPR Site UPR-200-E-44
UPR Site UPR-200-E-52
UPR Site UPR-200-E-64
UPR Site UPR-200-E-69
UPR Site UPR-200-E-7
UPR Site UPR-200-E-80
UPR Site UPR-200-E-85
UPR Site UPR-200-E-90
UPR Site UPR-200-E-95
Yard

B-Plant Criteria

External Spaces, Including Building Exterior Envelopes
Case 3

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

B-Plant Criteria

External Spaces, Including Building Exterior Envelopes
Case 3

Task Type (TT-2): Radiation Fields		
Objective		**Criteria**
Facilitate S&M - Protect Workers - Reduce Cost	*	Maximum general dose rates for Case 3 surveillance corridors are provided in the End Points . These were established based on starting/current dose rates and the use of ALARA, ALEA and reasonable best efforts.
Facilitate Decommissioning	√	Remove/Shield source material to mitigate radiation exposure using the Reasonable Best Effort methodology.
Comply with Regulations & Requirements	A	Post radiological conditions in accordance with Hanford Site Radiological Control Manual (HSRCM-1), Chapter 2, Rev 2 (Ref EPTI #4).
		Remove temporary radiological areas.

B-Plant Criteria

External Spaces, Including Building Exterior Envelopes
Case 3

Task Type (TT-3): Contamination		
Objective		**Criteria**
Protect Public & Environment	*	Include survey requirements as part of the turnover package to verify containment of radioactive contamination.
		Remove/fix source material to mitigate contamination migration using the Reasonable Best Effort methodology.
Facilitate S&M - Protect Workers - Reduce Cost	*	Maximum removable contamination levels for Case 3 surveillance corridors are provided in the End Points. These were established based on starting/current dose rates and the use of ALARA, ALEA and reasonable best effort.
Facilitate Decommissioning	√	Remove/fix source material to mitigate contamination migration using the Reasonable Best Effort methodology.
Comply with Regulations & Requirements	A	Post radiological conditions in accordance with Hanford Site Radiological Control Manual (HSRCM-1), Chapter 2, Rev 2 (Ref EPTI #4).

B-Plant Criteria

External Spaces, Including Building Exterior Envelopes
Case 3

Task Type (TT-4): Waste		
Objective		**Criteria**
Facilitate Decommissioning	√	Housekeep and remove unattached material/equipment using the Reasonable Best Effort methodology.
Comply with Regulations & Requirements	*◆	Remove emergency lantern batteries and fire extinguishers.
		Remove/dispose of radioactive, dangerous, and mixed wastes in accordance with approved waste handling procedures.

B-Plant Criteria

External Spaces, Including Building Exterior Envelopes
Case 3

Task Type (TT-5): Isolate & Contain		
Objective		**Criteria**
Protect Public & Environment	*	Ensure engineered barriers/seals are in place for vermin control and to prevent migration of both hazardous and radioactive contamination to the environment.
Facilitate S&M - Protect Workers - Reduce Cost	*	Assess roof integrity for the prevention of in-leakage for a minimum of five (5) years.
		Leave remaining dangerous materials in a state and/or location where they pose no threat to the environment or human health.
		Post space access points to prevent unintentional/unauthorized access.
Comply with Regulations & Requirements	A	See - Protect Public & Environment.

B-Plant Criteria

External Spaces, Including Building Exterior Envelopes
Case 3

Task Type (TT-6): Monitor & Control		
Objective		**Criteria**
Facilitate S&M - Protect Workers - Reduce Cost	*	Isolate/plug drains to localize water intrusion.

Task Type (TT-7): Refurbish or Install		
Objective		**Criteria**
Facilitate S&M - Protect Workers - Reduce Cost	*	Install physical barrier to prevent unintentional/unauthorized access.
		Refurbish facility as required by the structural and roof integrity studies.

Task Type (TT-8): Document & Label		
Objective		**Criteria**
Facilitate S&M - Protect Workers - Reduce Cost	*	Verify ancillary building identifications are clearly posted on the exterior of the building.
		Document identified area industrial hazards for inclusion in the turnover package.
Facilitate Decommissioning	*	Provide turnover package.
Comply with Regulations & Requirements	A♦	Document amount and location of remaining hazardous substances/dangerous wastes.
		Document space and associated system(s) dose rates and contamination levels in the final radiological survey report and map per Hanford Site Radiological Control Manual (HSRCM-1), Chapter 5, Rev 2 (Ref EPTI #5) for inclusion in the turnover package.

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CASE 4

System - Operational

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B-Plant Functional End Point Matrix

Case 4: System - Operational

Objectives	Task Types							
	1	2	3	4	5	6	7	8
	Hazards	Radiation Fields	Contamin-ation	Waste	Isolate & Contain	Monitor & Control	Refurbish or Install	Document & Label
Protect Public & Environment	*	N/A	N/A	N/A	N/A	*	*	N/A
Facilitate S&M - Protect Workers - Reduce Cost	*	*	*	N/A	*	*	*	*
Facilitate Decommissioning	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Comply with Regulations & Requirements	N/A	A	A	*♦	N/A	*	A	A♦

N/A	*	√	A	♦	♥	♠	♣
Not Applicable	Primary Consideration Likely to be a controlling factor in setting end point.	Secondary Consideration Not likely to control end points, but there may be merit if simple, cost-effective.	As Applicable Check requirements, act accordingly.	Meet Commitments to Stakeholders	Undefined	Undefined	Undefined

Case 4
System - Operational

Operational Electrical System
Operational Remote Monitoring System
Surveillance Lighting

B-Plant Criteria

System - Operational
Case 4

Task Type (TT-1): Hazards		
Objective		**Criteria**
Protect Public & Environment	*	Ensure system is secured in place to prevent damage/failure due to environmental forces.
Facilitate S&M - Protect Workers - Reduce Cost	*	Leave remaining dangerous materials in a state and/or location where they pose no threat to the environment or human health.

B-Plant Criteria

System - Operational
Case 4

Task Type (TT-2): Radiation Fields		
Objective		**Criteria**
Facilitate S&M - Protect Workers - Reduce Cost	*	Maximum general dose rate levels are defined in the Space where the system is located.
		Remove/Shield source material to mitigate radiation exposure using the Reasonable Best Effort methodology.
Comply with Regulations & Requirements	A	Radiological conditions are posted in accordance with Hanford Site Radiological Control Manual (HSRCM-1), Chapter 2, Rev 2 (Ref EPTI #4) in Spaces where systems reside.

B-Plant Criteria

System - Operational
Case 4

Task Type (TT-3): Contamination		
Objective		**Criteria**
Facilitate S&M - Protect Workers - Reduce Cost	*	Maximum removable contamination levels are defined in the Space where the system is located.
		Remove/fix source material to mitigate contamination migration using the Reasonable Best Effort methodology.
Comply with Regulations & Requirements	A	Radiological conditions are posted in accordance with Hanford Site Radiological Control Manual (HSRCM-1), Chapter 2, Rev 2 (Ref EPTI #4) in Spaces where systems reside.

System - Operational
Case 4

Task Type (TT-4): Waste		
Objective		**Criteria**
Comply with Regulations & Requirements	*◆	Identify accumulation areas for waste generated by operational systems and include in the turnover package (i.e. general waste awaiting characterization and designation).

B-Plant Criteria

System - Operational
Case 4

Task Type (TT-5): Isolate & Contain		
Objective		**Criteria**
Facilitate S&M - Protect Workers - Reduce Cost	*	Ensure engineered barriers/seals are in place for vermin control and to prevent migration of both hazardous and radioactive contamination to the surrounding space.

B-Plant Criteria

System - Operational
Case 4

Task Type (TT-6): Monitor & Control		
Objective		**Criteria**
Protect Public & Environment	*	Define system discharge monitoring/instrumentation requirements.
Facilitate S&M - Protect Workers - Reduce Cost	*	Furnish surveillance lighting and convenience electrical receptacles.
Comply with Regulations & Requirements	*	Define system calibration and preventive maintenance requirements.

B-Plant Criteria

System - Operational
Case 4

Task Type (TT-7): Refurbish or Install		
Objective		**Criteria**
Protect Public & Environment	*	Provide ventilation for contamination control.
Facilitate S&M - Protect Workers - Reduce Cost	*	Provide system spare parts inventory listing.
Comply with Regulations & Requirements	A	Newly installed electrical distribution will be in accordance with NEC requirements.

B-Plant Criteria

System - Operational

Case 4

Task Type (TT-8): Document & Label		
Objective		**Criteria**
Facilitate S&M - Protect Workers - Reduce Cost	*	Provide turnover package.
		Label as an operational system.
Comply with Regulations & Requirements	A♦	Define instrumentation reading frequency for inclusion in the turnover package.
		Document amount and location of remaining hazardous substances/dangerous wastes.

CASE 5

System - Mothballed

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B-Plant Functional End Point Matrix

Case 5: System - Mothballed

Objectives	Task Types							
	1	2	3	4	5	6	7	8
	Hazards	Radiation Fields	Contamin-ation	Waste	Isolate & Contain	Monitor & Control	Refurbish or Install	Document & Label
Protect Public & Environment	*	N/A	N/A	N/A	*	N/A	N/A	N/A
Facilitate S&M - Protect Workers - Reduce Cost	N/A	*	*	N/A	N/A	N/A	N/A	N/A
Facilitate Decommissioning	*	N/A	N/A	N/A	*	N/A	*	*
Comply with Regulations & Requirements	N/A	A	A	*♦	N/A	N/A	N/A	A♦

N/A	*	√	A	♦	♥	♠	♣
Not Applicable	Primary Consideration Likely to be a controlling factor in setting end point.	Secondary Consideration Not likely to control end points, but there may be merit if simple, cost-effective.	As Applicable Check requirements, act accordingly.	Meet Commitments to Stakeholders	Undefined	Undefined	Undefined

Case 5
System - Mothballed

212-B Crane
221-B Canyon Crane
271-B Elevator

B-Plant Criteria

System - Mothballed
Case 5

Task Type (TT-1): Hazards		
Objective		**Criteria**
Protect Public & Environment	*	Ensure system is secured in place to prevent damage/failure due to environmental forces.
Facilitate Decommissioning	*	Electrically de-energize equipment and deactivate instrumentation unless otherwise stated.
		Drain liquids not required for preservation from accessible equipment.

B-Plant Criteria

System - Mothballed
Case 5

Task Type (TT-2): Radiation Fields		
Objective		**Criteria**
Facilitate S&M - Protect Workers - Reduce Cost	*	Maximum general dose rate levels are defined in the Space where the system is located.
		Remove/Shield source material to mitigate radiation exposure using the Reasonable Best Effort methodology.
Comply with Regulations & Requirements	A	Radiological conditions are posted in accordance with Hanford Site Radiological Control Manual (HSRCM-1), Chapter 2, Rev 2 (Ref EPTI #4) in Spaces where systems reside.

B-Plant Criteria

System - Mothballed
Case 5

Task Type (TT-3): Contamination		
Objective		**Criteria**
Facilitate S&M - Protect Workers - Reduce Cost	*	Maximum removable contamination levels are defined in the Space where the system is located.
		Remove/fix source material to mitigate contamination migration using the Reasonable Best Effort methodology.
Comply with Regulations & Requirements	A	Radiological conditions are posted in accordance with Hanford Site Radiological Control Manual (HSRCM-1), Chapter 2, Rev 2 (Ref EPTI #4) in Spaces where systems reside.

B-Plant Criteria

System - Mothballed

Case 5

Task Type (TT-4): Waste		
Objective		**Criteria**
Comply with Regulations & Requirements	*◆	Remove/dispose of radioactive, dangerous, and mixed wastes in accordance with approved waste handling procedures.

B-Plant Criteria

System - Mothballed
Case 5

Task Type (TT-5): Isolate & Contain		
Objective		**Criteria**
Protect Public & Environment	*	Ensure engineered barriers/seals are in place for vermin control and to prevent migration of both hazardous and radioactive contamination to the environment.
Facilitate Decommissioning	*	Ensure engineered barriers/seals are in place for vermin control and to prevent migration of both hazardous and radioactive contamination to the surrounding space.

B-Plant Criteria

System - Mothballed
Case 5

Task Type (TT-7): Refurbish or Install		
Objective		**Criteria**
Facilitate Decommissioning	*	Provide protective measures to inhibit further equipment degradation permitting refurbishment for D&D.

B-Plant Criteria

System - Mothballed
Case 5

Task Type (TT-8): Document & Label		
Objective		**Criteria**
Facilitate Decommissioning	*	Document system lay-up.
		Include system restart and preventive maintenance procedures as part of the turnover package.
		Label mothballed equipment.
		Provide turnover package.
Comply with Regulations & Requirements	A♦	Document amount and location of remaining hazardous substances/dangerous wastes.

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CASE 6

System - Abandoned In Place

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B-Plant Functional End Point Matrix

Case 6: System - Abandoned in Place

Objectives	Task Types							
	1	2	3	4	5	6	7	8
	Hazards	Radiation Fields	Contamin-ation	Waste	Isolate & Contain	Monitor & Control	Refurbish or Install	Document & Label
Protect Public & Environment	*	N/A	N/A	N/A	*	N/A	N/A	N/A
Facilitate S&M - Protect Workers - Reduce Cost	*	*	*	N/A	*	N/A	N/A	*
Facilitate Decommissioning	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*
Comply with Regulations & Requirements	N/A	A	A	*♦	N/A	N/A	N/A	A♦

N/A	*	√	A	♦	♥	♠	♣
Not Applicable	Primary Consideration Likely to be a controlling factor in setting end point.	Secondary Consideration Not likely to control end points, but there may be merit if simple, cost-effective.	As Applicable Check requirements. act accordingly.	Meet Commitments to Stakeholders	Undefined	Undefined	Undefined

Case 6
System - Abandoned in Place

207-B Retention Basin System
207-BA CBC Sampling Building System
211-B Chemical Tank Farm System
211-B Vessels
211-BA Chemical Sewer Neutralization Building System
211-BA Vessels
212-B Hot Cell System
212-B HVAC System
212-B Vessels
216-B-59 High Risk Cooling Water Retention Basin System
216-B-64 Steam Condensate Retention Basin System
217-B Demineralizer Building System
217-B Vessels
221-B Cell 10 Vessels
221-B Cell 11 Vessels
221-B Cell 12 Vessels
221-B Cell 13 Vessels
221-B Cell 14 Vessels
221-B Cell 17 Vessels
221-B Cell 18 Vessels
221-B Cell 19 Vessels
221-B Cell 20 Vessels
221-B Cell 21 Vessels
221-B Cell 22 Vessels
221-B Cell 23 Vessels
221-B Cell 24 Vessels
221-B Cell 25 Vessels
221-B Cell 26 Vessels
221-B Cell 27 Vessels
221-B Cell 28 Vessels
221-B Cell 29 Vessels
221-B Cell 30 Vessels
221-B Cell 31 Vessels
221-B Cell 32 Vessels
221-B Cell 33 Vessels
221-B Cell 34 Vessels
221-B Cell 35 Vessels
221-B Cell 36 Vessels
221-B Cell 37 Vessels
221-B Cell 38 Vessels
221-B Cell 39 Vessels
221-B Cell 5 Vessels
221-B Cell 6 Vessels

Case 6
System - Abandoned in Place

1-B Cell 7 Vessels
1-B Cell 8 Vessels
221-B Cell 9 Vessels
221-B Electrical Gallery System
221-B Electrical Gallery Vessels
221-B Operating Gallery List A Vessels
221-B Operating Gallery List B Vessels
221-B Operating Gallery Systems
221-B Pipe Gallery System
221-B Pipe Gallery Vessels
221-B Stairwells System
221-BA Cooling Water Monitor Sample Building System
221-BB Steam Condensate (BCS) Building System
221-BB Vessels
221-BC Change Room Building System
221-BF Process Condensate (BCP) Storage Building System
221-BF Vessels
221-BG Cooling Water Monitor Sample Building System
221B-FP-F-22-9 A/Vessel Vent Filter Pits Vessels
1B-FP-F-22-9 B/Vessel Vent Filter Pits Vessels
1B-FP-F-22-9 C/Vessel Vent Filter Pits Vessels
222-B Office Building System
271-B Basement System
271-B First Floor Vessels
271-B Second Floor System
271-B Third Floor Vessels
276-B Organic Makeup/Paint Storage Building System
276-B Vessels
291-B Exhaust Fans
291-B Stack/Steam Turbine Building System
291-BB A & B Filter Instrument Building - System
291-BD C Filter Instrument Building System
291-BF D Filter Instrument Building System
291-BG E Filter Instrument Building System
291-BJ F Filter Building System
292-B Stack Monitoring Building System
Deactivated Electrical System
Fire Protection B26
Miscellaneous Streams
cess and Instrument Air System
Raw Water B20
Sanitary Water B21
Steam B22

Case 6
System - Abandoned in Place

Underground Storage Transfer Lines (Tank Farms)
Vessel Vent System in 221B-FP-F-22-9A&B
Water Tank for Filter Seals
WESF Isolation
Yard Vessels

B-Plant Criteria

System - Abandoned in Place
Case 6

Task Type (TT-1): Hazards		
Objective		**Criteria**
Protect Public & Environment	*	Ensure system is secured in place to prevent damage/failure due to environmental forces.
Facilitate S&M - Protect Workers - Reduce Cost	*	Drain liquids and remove unattached equipment using Good Management Practices.
		Leave remaining dangerous materials in a state and/or location where they pose no threat to the environment or human health.
		Resolve serious threats now.
		Electrically de-energize equipment and deactivate instrumentation.

B-Plant Criteria

System - Abandoned in Place
Case 6

Task Type (TT-2): Radiation Fields		
Objective		**Criteria**
Facilitate S&M - Protect Workers - Reduce Cost	*	Maximum general dose rate levels are defined in the Space where the system is located.
		Remove/Shield source material to mitigate radiation exposure using the Reasonable Best Effort methodology.
Comply with Regulations & Requirements	A	Radiological conditions are posted in accordance with Hanford Site Radiological Control Manual (HSRCM-1), Chapter 2, Rev 2 (Ref EPTI #4) in Spaces where systems reside.

B-Plant Criteria

System - Abandoned in Place
Case 6

Task Type (TT-3): Contamination		
Objective		**Criteria**
Facilitate S&M - Protect Workers - Reduce Cost	*	Maximum removable contamination levels are defined in the Space where the system is located.
		Remove/fix source material to mitigate contamination migration using the Reasonable Best Effort methodology.
Comply with Regulations & Requirements	A	Radiological conditions are posted in accordance with Hanford Site Radiological Control Manual (HSRCM-1), Chapter 2, Rev 2 (Ref EPTI #4) in Spaces where systems reside.

B-Plant Criteria

System - Abandoned in Place
Case 6

Task Type (TT-4): Waste		
Objective		**Criteria**
Comply with Regulations & Requirements	*◆	Remove/dispose of radioactive, dangerous, and mixed wastes in accordance with approved waste handling procedures.
		A table listing each tank with any flush and sampling requirements is attached. Specific tank listings are in Level III specific system requirements.

B-Plant Criteria

System - Abandoned in Place
Case 6

Task Type (TT-5): Isolate & Contain		
Objective		**Criteria**
Protect Public & Environment	*	Ensure engineered barriers/seals are in place for vermin control and to prevent migration of both hazardous and radioactive contamination to the environment.
Facilitate S&M - Protect Workers - Reduce Cost	*	Ensure engineered barriers/seals are in place for vermin control and to prevent migration of both hazardous and radioactive contamination to the surrounding space.

B-Plant Criteria

System - Abandoned in Place
Case 6

Task Type (TT-8): Document & Label		
Objective		**Criteria**
Facilitate S&M - Protect Workers - Reduce Cost	*	Label Abandoned in Place system.
Facilitate Decommissioning	*	Provide turnover package.
Comply with Regulations & Requirements	A♦	Document amount and location of remaining hazardous substances/dangerous wastes.

End Points (Level III)

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211-B Area

AREA ACCEPTANCE	
BHI DATE	BWHC DATE
BHI DATE	

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B Plant End Points

211-B Chemical Tank Farm

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

Task Type: (TT-1) Hazards				
Number	Objective		End Point	EP Closure
01.01.01	Protect Public & Environment	*	Remove unattached combustible materials to reduce the fire hazard. Ref:	BWHC: Signed BHI: Signed Date: 11/4/96 End Point Revision number: 0
01.01.02	Facilitate S&M - Protect Workers - Reduce Cost	*	Ensure trench grating covers are intact and in place. Ref:	BWHC: Signed BHI: Signed Date: 11/6/96 End Point Revision number: 0
01.01.03	Comply with Regulations & Requirements	A	Review remaining hazards and update the hazard communication program. Ref:	BWHC: Signed BHI: Signed Date: 12/10/96 End Point Revision number: 0
01.01.04	Comply with Regulations & Requirements	A	Conduct confined space assessment and resolve any identified issues. Ref:	BWHC: Signed BHI: Signed Date: 10/28/96 End Point Revision number: 0

B Plant End Points

211-B Chemical Tank Farm

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

Task Type: (TT- 4) **Waste**				
Number	*Objective*		*End Point*	*EP Closure*
01.01.05	Facilitate Decommissioning	√	Housekeep and remove unattached material/equipment using the Reasonable Best Effort methodology. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 12/23/96 *End Point Revision number:* 0
01.01.06	Comply with Regulations & Requirements	* ◆	Removed/disposed radioactive, dangerous, and mixed waste conducted in accordance with approved waste handling procedures. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 11/18/96 *End Point Revision number:* 0

B Plant End Points

211-B Chemical Tank Farm

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

Task Type: (TT- 5) Isolate & Contain				
Number	Objective		End Point	EP Closure
01.01.07	Protect Public & Environment	*	Remove/fix residual chemical contamination to mitigate migration. Ref:	BWHC: Signed BHI: Signed Date: 12/23/96 End Point Revision number: 0
01.01.08	Protect Public & Environment	*	Isolate/seal potential pathways from the environment to protect from vermin intrusion. Ref:	BWHC: Signed BHI: Signed Date: 10/28/96 End Point Revision number: 0
01.01.09	Protect Public & Environment	*	Isolate/plug drains to chemical sewer. Ref:	BWHC: Signed BHI: Signed Date: 12/23/96 End Point Revision number: 0
01.01.10	Facilitate S&M - Protect Workers - Reduce Cost	*	Place postings at entrances and lock doors to prevent unintentional/unauthorized access. Ref:	BWHC: Signed BHI: Signed Date: 12/23/96 End Point Revision number: 0

B Plant End Points

211-B Chemical Tank Farm

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

Task Type: (TT- 8) Document & Label				
Number	Objective		End Point	EP Closure
01.01.11	Facilitate S&M - Protect Workers - Reduce Cost	*	Verify area identifications are clearly posted on the exterior of the building. Ref:	BWHC: Signed BHI: Signed Date: 12/23/96 End Point Revision number: 0
01.01.12	Facilitate S&M - Protect Workers - Reduce Cost	*	Document identified area industrial hazards for inclusion in the turnover package. Ref:	BWHC: Signed BHI: Signed Date: 12/10/96 End Point Revision number: 0
01.01.13	Facilitate Decommissioning	*	Turnover package items: Deactivation work plans/packages. Structural Studies. Ref:	BWHC: Signed BHI: Signed Date: 12/23/96 End Point Revision number: 0
01.01.14	Comply with Regulations & Requirements	A ◆	Document amount and location of remaining hazardous substances/dangerous wastes. Ref:	BWHC: Signed BHI: Signed Date: 12/10/96 End Point Revision number: 0

211-B Chemical Tank Farm System

Case: (6) System - Abandoned in Place

Task Type: (TT- 1) Hazards				
Number	*Objective*		*End Point*	*EP Closure*
01.02.01	Facilitate S&M - Protect Workers - Reduce Cost	*	Drain liquids and remove unattached equipment using Good Management Practices. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 12/23/96 *End Point Revision number:* 0
01.02.02	Facilitate S&M - Protect Workers - Reduce Cost	*	Deactivate pressure vessels identified in attachment C per EPTI #6. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 11/4/96 *End Point Revision number:* 1

211-B Chemical Tank Farm System

Case: (6) System - Abandoned in Place

Task Type: (TT- 5) **Isolate & Contain**				
Number	*Objective*		*End Point*	*EP Closure*
01.02.03	Protect Public & Environment	*	Install intrusion barriers on tank vent lines. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 10/28/96 *End Point Revision number:* 0
01.02.04	Facilitate S&M - Protect Workers - Reduce Cost	*	Drain/isolate chemical headers. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 12/23/96 *End Point Revision number:* 0
01.02.05	Facilitate S&M - Protect Workers - Reduce Cost	*	Ensure lines to/from two truck loadouts and rail tanker loadout are isolated. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 10/28/96 *End Point Revision number:* 0
01.02.06	Facilitate S&M - Protect Workers - Reduce Cost	*	Remove/isolate drum flex lines. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 10/28/96 *End Point Revision number:* 0

211-B Chemical Tank Farm System

Case: (6) System - Abandoned in Place

Task Type: (TT- 8) **Document & Label**				
Number	*Objective*		*End Point*	*EP Closure*
01.02.07	Facilitate S&M - Protect Workers - Reduce Cost	*	Label Abandoned in Place system. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 12/23/96 *End Point Revision number:* 0
01.02.08	Facilitate Decommissioning	*	Turnover package items: Deactivation work plans/packages. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 12/23/96 *End Point Revision number:* 0
1.02.09	Comply with Regulations & Requirements	A ◆	Document amount and location of remaining hazardous substances/dangerous wastes. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 12/10/96 *End Point Revision number:* 0

B Plant End Points

211-B Vessels

Case: (6) System - Abandoned in Place

Task Type: (TT- 4) Waste				
Number	Objective		End Point	EP Closure
01.03.01	Comply with Regulations & Requirements	* ◆	Verify identified requirements as defined in the Vessel Listing Table have been met. Ref: _____	BWHC: Signed BHI: Signed Date: 12/23/96 End Point Revision number: 0
01.03.02	Comply with Regulations & Requirements	* ◆	Flush/drain chemical addition piping to minimize the residual material using existing equipment configuration. Ref: _____	BWHC: Signed BHI: Signed Date: 12/23/96 End Point Revision number: 0

211-BA Chemical Sewer Neutralization Building

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 1) **Hazards**				
Number	*Objective*		*End Point*	*EP Closure*
01.04.01	Protect Public & Environment	*	END POINT DELETED *Ref:*	*BWHC:* N/A *BHI:* N/A *Date:* *End Point Revision number:* 2
01.04.02	Comply with Regulations & Requirements	A	END POINT DELETED *Ref:*	*BWHC:* N/A *BHI:* N/A *Date:* *End Point Revision number:* 2
01.04.03	Comply with Regulations & Requirements	A	END POINT DELETED *Ref:*	*BWHC:* N/A *BHI:* N/A *Date:* *End Point Revision number:* 2

211-BA Chemical Sewer Neutralization Building

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 4) **Waste**				
Number	*Objective*		*End Point*	*EP Closure*
01.04.04	Facilitate Decommissioning	√	END POINT DELETED *Ref:* _____	*BWHC:* N/A *BHI:* N/A *Date:* *End Point Revision number:* 2
01.04.05	Comply with Regulations & Requirements	* ◆	END POINT DELETED *Ref:* _____	*BWHC:* N/A *BHI:* N/A *Date:* *End Point Revision number:* 2
01.04.06	Comply with Regulations & Requirements	* ◆	END POINT DELETED *Ref:* _____	*BWHC:* N/A *BHI:* N/A *Date:* *End Point Revision number:* 2
01.04.07	Comply with Regulations & Requirements	* ◆	END POINT DELETED *Ref:* _____	*BWHC:* N/A *BHI:* N/A *Date:* *End Point Revision number:* 2

211-BA Chemical Sewer Neutralization Building

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 5) **Isolate & Contain**				
Number	*Objective*		*End Point*	*EP Closure*
01.04.08	Facilitate S&M - Protect Workers - Reduce Cost	*	END POINT DELETED *Ref:* _____ _____	*BWHC:* Signed *BHI:* Signed *Date:* *End Point Revision number:* 2

211-BA Chemical Sewer Neutralization Building

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 8) **Document & Label**				
Number	*Objective*		*End Point*	*EP Closure*
01.04.09	Facilitate Decommissioning	*	END POINT DELETED *Ref:* _____	*BWHC:* N/A *BHI:* N/A *Date:* *End Point Revision number:* 2
01.04.10	Facilitate Decommissioning	*	END POINT DELETED *Ref:* _____	*BWHC:* N/A *BHI:* N/A *Date:* *End Point Revision number:* 2
01.04.11	Comply with Regulations & Requirements	A ◆	END POINT DELETED *Ref:* _____	*BWHC:* N/A *BHI:* N/A *Date:* *End Point Revision number:* 2

211-BA Chemical Sewer Neutralization Building Exterior

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

Task Type: (TT- 1) **Hazards**				
Number	*Objective*		*End Point*	*EP Closure*
01.05.01	Protect Public & Environment	*	END POINT DELETED *Ref:* _____	*BWHC:* N/A *BHI:* N/A *Date:* *End Point Revision number:* 2
01.05.02	Comply with Regulations & Requirements	A	END POINT DELETED *Ref:* _____	*BWHC:* N/A *BHI:* N/A *Date:* *End Point Revision number:* 2

211-BA Chemical Sewer Neutralization Building Exterior

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

Task Type: (TT- 4) **Waste**				
Number	*Objective*		*End Point*	*EP Closure*
01.05.03	Facilitate Decommissioning	√	END POINT DELETED *Ref:* _____	*BWHC:* N/A *BHI:* N/A *Date:* *End Point Revision number:* 2

211-BA Chemical Sewer Neutralization Building Exterior

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

Task Type: (TT- 5) **Isolate & Contain**				
Number	*Objective*		*End Point*	*EP Closure*
01.05.04	Protect Public & Environment	*	END POINT DELETED *Ref:* _____	*BWHC:* N/A *BHI:* N/A *Date:* *End Point Revision number:* 2
01.05.05	Facilitate S&M - Protect Workers - Reduce Cost	*	END POINT DELETED *Ref:* _____	*BWHC:* N/A *BHI:* N/A *Date:* *End Point Revision number:* 2

211-BA Chemical Sewer Neutralization Building Exterior

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

Task Type: (TT- 8) **Document & Label**				
Number	*Objective*		*End Point*	*EP Closure*
01.05.06	Facilitate S&M - Protect Workers - Reduce Cost	*	END POINT DELETED *Ref:* _____	*BWHC:* N/A *BHI:* N/A *Date:* *End Point Revision number:* 2
01.05.07	Facilitate S&M - Protect Workers - Reduce Cost	*	END POINT DELETED *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* *End Point Revision number:* 2
01.05.08	Facilitate Decommissioning	*	END POINT DELETED *Ref:* _____	*BWHC:* N/A *BHI:* N/A *Date:* *End Point Revision number:* 2
01.05.09	Comply with Regulations & Requirements	A ♦	END POINT DELETED *Ref:* _____	*BWHC:* N/A *BHI:* N/A *Date:* *End Point Revision number:* 2

211-BA Chemical Sewer Neutralization Building System

Case: (6) System - Abandoned in Place

Task Type: (TT- 1) **Hazards**				
Number	*Objective*		*End Point*	*EP Closure*
01.06.01	Facilitate S&M - Protect Workers - Reduce Cost	*	END POINT DELETED *Ref:* _____	*BWHC:* N/A *BHI:* N/A *Date:* *End Point Revision number:* 2

211-BA Chemical Sewer Neutralization Building System

Case: (6) System - Abandoned in Place

Task Type: (TT- 5) **Isolate & Contain**				
Number	*Objective*		*End Point*	*EP Closure*
01.06.02	Protect Public & Environment	*	Cap/plug/blank/isolate sample lines. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 11/12/97 *End Point Revision number:* 0
01.06.03	Protect Public & Environment	*	Cap/plug/blank/isolate BCE source line(s) from 221-B. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 11/14/97 *End Point Revision number:* 0
01.06.04	Protect Public & Environment	*	Cap/plug/blank/isolate BCE source line(s) from 271-B. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 11/14/97 *End Point Revision number:* 0
01.06.05	Protect Public & Environment	*	Cap/plug/blank/isolate BCE source line(s) from 222-B. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 11/7/97 *End Point Revision number:* 0

211-BA Chemical Sewer Neutralization Building System

Case: (6) System - Abandoned in Place

Task Type: (TT- 5) **Isolate & Contain**				
Number	*Objective*		*End Point*	*EP Closure*
01.06.06	Protect Public & Environment	*	Cap/plug/blank/isolate BCE source line(s) from 292-B. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 11/7/97 *End Point Revision number:* 0
01.06.07	Protect Public & Environment	*	Cap/plug/blank/isolate BCE source line(s) from 211-BA (neutralizer system). *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 11/12/97 *End Point Revision number:* 0
01.06.08	Protect Public & Environment	*	Isolate/seal old BCE line inlets down stream of 211-BA. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 7/16/96 *End Point Revision number:* 0
01.06.09	Protect Public & Environment	*	Cap/plug/blank/isolate BCE source line(s) from 211-B. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 10/27/97 *End Point Revision number:* 0

211-BA Chemical Sewer Neutralization Building System

Case: (6) System - Abandoned in Place

Task Type: (TT- 5) **Isolate & Contain**				
Number	*Objective*		*End Point*	*EP Closure*
01.06.10	Protect Public & Environment	*	Cap/plug/blank/isolate BCE source line(s) from 2902-B (high tank). *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 11/12/97 *End Point Revision number:* 0
01.06.14	Protect Public & Environment	*	Isolate 211-BA sump and floor drain. *Ref:* _____	*BWHC:* *BHI:* *Date:* 11/14/97 *End Point Revision number:* 2

211-BA Chemical Sewer Neutralization Building System

Case: (6) System - Abandoned in Place

Task Type: (TT- 8) **Document & Label**				
Number	*Objective*		*End Point*	*EP Closure*
01.06.11	Facilitate S&M - Protect Workers - Reduce Cost	*	END POINT DELETED *Ref:*	*BWHC:* N/A *BHI:* N/A *Date:* *End Point Revision number:* 2
01.06.12	Facilitate Decommissioning	*	Turnover package items: Deactivation work plans/packages. *Ref:*	*BWHC:* Signed *BHI:* Signed *Date:* 11/14/97 *End Point Revision number:* 0
01.06.13	Comply with Regulations & Requirements	A ♦	END POINT DELETED *Ref:*	*BWHC:* N/A *BHI:* N/A *Date:* *End Point Revision number:* 2

B Plant End Points

211-BA Vessels

Case: (6) System - Abandoned in Place

Task Type: (TT- 4) Waste				
Number	Objective		End Point	EP Closure
01.07.01	Comply with Regulations & Requirements	* ◆	Flush/drain chemical addition piping to minimize the residual material using existing equipment configuration. Ref: _____	BWHC: Signed BHI: Signed Date: 11/14/97 End Point Revision number: 0
01.07.02	Comply with Regulations & Requirements	* ◆	Verify identified requirements as defined in the Vessel Listing Table have been met. Ref: _____	BWHC: Signed BHI: Signed Date: 11/14/97 End Point Revision number: 0

B Plant End Points

211-BB MCC Building

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 8) Document & Label				
Number	Objective		End Point	EP Closure
01.08.01	Facilitate Decommissioning	*	Turnover package items: Deactivation work plans/packages. Description/photos of Case 2 spaces. Ref:	BWHC: Signed BHI: Signed Date: 12/10/96 End Point Revision number: 0
01.08.02	Facilitate Decommissioning	*	Document identified area industrial hazards for inclusion in the turnover package. Ref:	BWHC: Signed BHI: Signed Date: 12/10/96 End Point Revision number: 0
01.08.03	Comply with Regulations & Requirements	A ◆	Document amount and location of remaining hazardous substances/dangerous wastes. Ref:	BWHC: Signed BHI: Signed Date: 12/10/96 End Point Revision number: 0

211-BB MCC Building Exterior

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

Task Type: (TT- 1) **Hazards**				
Number	*Objective*		*End Point*	*EP Closure*
01.09.01	Protect Public & Environment	*	Remove unattached combustible materials to reduce the fire hazard. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 11/4/96 *End Point Revision number:* 0
01.09.02	Facilitate S&M - Protect Workers - Reduce Cost	*	A limited structural analysis will be conducted to verify structural integrity for a minimum of five (5) years. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 12/10/96 *End Point Revision number:* 0

B Plant End Points

211-BB MCC Building Exterior

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

Task Type: (TT- 4) Waste				
Number	Objective		End Point	EP Closure
01.09.03	Facilitate Decommissioning	√	Housekeep and remove unattached material/equipment using the Reasonable Best Effort methodology. Ref: _____	BWHC: Signed BHI: Signed Date: 11/4/96 End Point Revision number: 0
01.09.04	Comply with Regulations & Requirements	* ◆	Removed/disposed radioactive, dangerous, and mixed waste conducted in accordance with approved waste handling procedures. Ref: _____	BWHC: Signed BHI: Signed Date: 11/4/96 End Point Revision number: 0

B Plant End Points

211-BB MCC Building Exterior

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

Task Type: (TT- 5) Isolate & Contain				
Number	Objective		End Point	EP Closure
01.09.05	Protect Public & Environment	*	Isolate/seal potential pathways from the environment to protect from vermin intrusion. Ref:	BWHC: Signed BHI: Signed Date: 11/4/96 End Point Revision number: 0
01.09.06	Protect Public & Environment	*	Seal entrances to the facility except the ones identified for use by surveillance and maintenance activities. Ref:	BWHC: Signed BHI: Signed Date: 11/4/96 End Point Revision number: 0
01.09.07	Facilitate S&M - Protect Workers - Reduce Cost	*	Assess roof integrity for the prevention of in-leakage for a minimum of five (5) years. Ref:	BWHC: Signed BHI: Signed Date: 12/10/96 End Point Revision number: 0
01.09.08	Facilitate S&M - Protect Workers - Reduce Cost	*	Place postings at entrances and lock doors to prevent unintentional/unauthorized access. Ref:	BWHC: Signed BHI: Signed Date: 12/10/96 End Point Revision number: 0

211-BB MCC Building Exterior

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

Task Type: (TT- 7) **Refurbish or Install**				
Number	*Objective*		*End Point*	*EP Closure*
01.09.09	Facilitate S&M - Protect Workers - Reduce Cost	*	Refurbish facility as required by the structural and roof integrity studies. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 12/10/96 *End Point Revision number:* 0

B Plant End Points

211-BB MCC Building Exterior

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

Task Type: (TT- 8) Document & Label				
Number	*Objective*		*End Point*	*EP Closure*
01.09.10	Facilitate S&M - Protect Workers - Reduce Cost	*	Document identified area industrial hazards for inclusion in the turnover package. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 12/10/96 *End Point Revision number:* 0
01.09.11	Facilitate S&M - Protect Workers - Reduce Cost	*	Verify ancillary building identifications are clearly posted on the exterior of the building. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 11/4/96 *End Point Revision number:* 0
01.09.12	Facilitate Decommissioning	*	Turnover package items: Deactivation work plans/packages. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 12/10/96 *End Point Revision number:* 0
01.09.13	Comply with Regulations & Requirements	A ♦	Document amount and location of remaining hazardous substances/dangerous wastes. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 12/10/96 *End Point Revision number:* 0

B Plant End Points

217-B Demineralizer Building

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 1) Hazards				
Number	Objective		End Point	EP Closure
01.10.01	Protect Public & Environment	*	Remove unattached combustible materials to reduce the fire hazard. Ref:	BWHC: Signed BHI: Signed Date: 10/10/97 End Point Revision number: 0
01.10.02	Comply with Regulations & Requirements	A	Review remaining hazards and update the hazard communication program. Ref:	BWHC: Signed BHI: Signed Date: 12/1/97 End Point Revision number: 0
01.10.03	Comply with Regulations & Requirements	A	Conduct asbestos assessment and contain friable material to eliminate personnel exposure. Ref:	BWHC: Signed BHI: Signed Date: 12/1/97 End Point Revision number: 0
01.10.12	Comply with Regulations & Requirements	A	Conduct confined space assessment and resolve any identified issues. Ref:	BWHC: Signed BHI: Signed Date: 12/1/97 End Point Revision number: 1

B Plant End Points

217-B Demineralizer Building

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 4) Waste				
Number	*Objective*		*End Point*	*EP Closure*
01.10.04	Facilitate Decommissioning	√	Housekeep and remove unattached material/equipment using the Reasonable Best Effort methodology. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 10/10/97 *End Point Revision number:* 0
01.10.05	Comply with Regulations & Requirements	* ◆	Remove emergency lantern batteries and fire extinguishers. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 10/10/97 *End Point Revision number:* 0

B Plant End Points

217-B Demineralizer Building

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 5) Isolate & Contain				
Number	Objective		End Point	EP Closure
01.10.06	Facilitate S&M - Protect Workers - Reduce Cost	*	Secure/lock doorways and other access points. Ref:	BWHC: Signed BHI: Signed Date: 12/1/97 End Point Revision number: 0
01.10.07	Facilitate S&M - Protect Workers - Reduce Cost	*	Remove/fix residual chemical contamination to mitigate migration. Ref:	BWHC: Signed BHI: Signed Date: 12/1/97 End Point Revision number: 0
01.10.08	Facilitate S&M - Protect Workers - Reduce Cost	*	Isolate/plug floor drains. Ref:	BWHC: Signed BHI: Signed Date: 10/27/97 End Point Revision number: 0

B Plant End Points

217-B Demineralizer Building

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 8) **Document & Label**				
Number	*Objective*		*End Point*	*EP Closure*
01.10.09	Facilitate Decommissioning	*	Turnover package items: Deactivation work plans/packages. Description/photos of Case 2 spaces. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 12/2/97 *End Point Revision number:* 0
01.10.10	Facilitate Decommissioning	*	Document identified area industrial hazards for inclusion in the turnover package. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 12/1/97 *End Point Revision number:* 0
01.10.11	Comply with Regulations & Requirements	A ♦	Document amount and location of remaining hazardous substances/dangerous wastes. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 12/1/97 *End Point Revision number:* 0

217-B Demineralizer Building Exterior

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

Task Type: (TT- 1) **Hazards**				
Number	*Objective*		*End Point*	*EP Closure*
01.11.01	Protect Public & Environment	*	Remove unattached combustible materials to reduce the fire hazard. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 10/10/97 *End Point Revision number:* 0
01.11.02	Facilitate S&M - Protect Workers - Reduce Cost	*	A limited structural analysis will be conducted to verify structural integrity for a minimum of five (5) years. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 6/16/97 *End Point Revision number:* 0
01.11.03	Comply with Regulations & Requirements	A	Conduct asbestos assessment and contain friable material to eliminate personnel exposure. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 12/1/97 *End Point Revision number:* 0
01.11.04	Comply with Regulations & Requirements	A	Review remaining hazards and update the hazard communication program. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 12/1/97 *End Point Revision number:* 0

217-B Demineralizer Building Exterior

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

Task Type: (TT-4) **Waste**				
Number	*Objective*		*End Point*	*EP Closure*
01.11.05	Facilitate Decommissioning	√	Housekeep and remove unattached material/equipment using the Reasonable Best Effort methodology. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 10/10/97 *End Point Revision number:* 0
01.11.06	Comply with Regulations & Requirements	* ◆	Removed/disposed radioactive, dangerous, and mixed waste conducted in accordance with approved waste handling procedures. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 12/3/97 *End Point Revision number:* 0

217-B Demineralizer Building Exterior

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

Task Type: (TT- 5) **Isolate & Contain**				
Number	*Objective*		*End Point*	*EP Closure*
01.11.07	Protect Public & Environment	*	Isolate/screen/seal building penetrations. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 10/27/97 *End Point Revision number:* 0
01.11.08	Protect Public & Environment	*	Isolate/seal potential pathways from the environment to protect from vermin intrusion. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 10/27/97 *End Point Revision number:* 0
)1.11.09	Facilitate S&M - Protect Workers - Reduce Cost	*	Assess roof integrity for the prevention of in-leakage for a minimum of five (5) years. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 6/12/97 *End Point Revision number:* 0
01.11.10	Facilitate S&M - Protect Workers - Reduce Cost	*	Place postings at entrances and lock doors to prevent unintentional/unauthorized access. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 10/27/97 *End Point Revision number:* 0

217-B Demineralizer Building Exterior

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

Task Type: (TT- 7) **Refurbish or Install**				
Number	*Objective*		*End Point*	*EP Closure*
01.11.11	Facilitate S&M - Protect Workers - Reduce Cost	*	Refurbish facility as required by the structural and roof integrity studies. *Ref:* _____ _____	*BWHC:* Signed *BHI:* Signed *Date:* 12/3/97 *End Point Revision number:* 0

217-B Demineralizer Building Exterior

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

Task Type: (TT- 8) **Document & Label**				
Number	*Objective*		*End Point*	*EP Closure*
01.11.12	Facilitate S&M - Protect Workers - Reduce Cost	*	Document identified area industrial hazards for inclusion in the turnover package. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 12/1/97 *End Point Revision number:* 0
01.11.13	Facilitate S&M - Protect Workers - Reduce Cost	*	Verify ancillary building identifications are clearly posted on the exterior of the building. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 6/3/97 *End Point Revision number:* 0
01.11.14	Facilitate Decommissioning	*	Turnover package items: Deactivation work plans/packages. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 12/2/97 *End Point Revision number:* 0
01.11.15	Comply with Regulations & Requirements	A ♦	Document amount and location of remaining hazardous substances/dangerous wastes. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 12/1/97 *End Point Revision number:* 0

B Plant End Points

217-B Demineralizer Building System

Case: (6) System - Abandoned in Place

Task Type: (TT- 1) Hazards				
Number	Objective		End Point	EP Closure
01.12.01	Facilitate S&M - Protect Workers - Reduce Cost	*	Drain piping/headers to minimize the residual material using existing equipment configuration. Ref:	BWHC: Signed BHI: Signed Date: 12/2/97 End Point Revision number: 0
01.12.02	Facilitate S&M - Protect Workers - Reduce Cost	*	Deactivate pressure vessels identified in attachment C per EPTI #6. Ref:	BWHC: Signed BHI: Signed Date: 12/2/97 End Point Revision number: 0

217-B Demineralizer Building System

Case: (6) System - Abandoned in Place

Task Type: (TT- 4) **Waste**				
Number	*Objective*		*End Point*	*EP Closure*
01.12.03	Comply with Regulations & Requirements	* ◆	Drain manometer fluid. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 10/27/97 *End Point Revision number:* 0

217-B Demineralizer Building System

Case: (6) System - Abandoned in Place

Task Type: (TT- 5) **Isolate & Contain**				
Number	*Objective*		*End Point*	*EP Closure*
01.12.04	Protect Public & Environment	*	Install intrusion barriers on tank vent lines. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 12/1/97 *End Point Revision number:* 0

217-B Demineralizer Building System

Case: (6) System - Abandoned in Place

Task Type: (TT- 8) **Document & Label**				
Number	*Objective*		*End Point*	*EP Closure*
01.12.05	Facilitate S&M - Protect Workers - Reduce Cost	*	Label Abandoned in Place system. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 10/20/97 *End Point Revision number:* 0
01.12.06	Facilitate Decommissioning	*	Turnover package items: Deactivation work plans/packages. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 12/2/97 *End Point Revision number:* 0
01.12.07	Comply with Regulations & Requirements	A ♦	Document amount and location of remaining hazardous substances/dangerous wastes. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 12/1/97 *End Point Revision number:* 0

B Plant End Points

217-B Vessels

Case: (6) System - Abandoned in Place

Task Type: (TT- 4) Waste				
Number	Objective		End Point	EP Closure
01.13.01	Comply with Regulations & Requirements	* ◆	Flush/drain chemical addition piping to minimize the residual material using existing equipment configuration. Ref: _____	BWHC: Signed BHI: Signed Date: 12/2/97 End Point Revision number: 0
01.13.02	Comply with Regulations & Requirements	* ◆	Verify identified requirements as defined in the Vessel Listing Table have been met. Ref: _____	BWHC: Signed BHI: Signed Date: 12/2/97 End Point Revision number: 0

276-B Organic Makeup/Paint Storage Building

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT-1) **Hazards**				
Number	*Objective*		*End Point*	*EP Closure*
01.14.01	Protect Public & Environment	*	Remove unattached combustible materials to reduce the fire hazard. *Ref:*	*BWHC:* Signed *BHI:* Signed *Date:* 9/25/96 *End Point Revision number:* 0
01.14.02	Comply with Regulations & Requirements	A	Conduct asbestos assessment and contain friable material to eliminate personnel exposure. *Ref:*	*BWHC:* Signed *BHI:* Signed *Date:* 9/25/96 *End Point Revision number:* 0
01.14.03	Comply with Regulations & Requirements	A	Review remaining hazards and update the hazard communication program. *Ref:*	*BWHC:* Signed *BHI:* Signed *Date:* 10/28/96 *End Point Revision number:* 0
01.14.12	Comply with Regulations & Requirements	A	Conduct confined space assessment and resolve any identified issues. *Ref:*	*BWHC:* Signed *BHI:* Signed *Date:* 12/16/96 *End Point Revision number:* 1

276-B Organic Makeup/Paint Storage Building

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 4) **Waste**				
Number	*Objective*		*End Point*	*EP Closure*
01.14.04	Facilitate Decommissioning	√	Housekeep and remove unattached material/equipment using the Reasonable Best Effort methodology. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 10/14/96 *End Point Revision number:* 0
01.14.05	Comply with Regulations & Requirements	* ◆	Removed/disposed radioactive, dangerous, and mixed waste conducted in accordance with approved waste handling procedures. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 10/14/96 *End Point Revision number:* 0
01.14.06	Comply with Regulations & Requirements	* ◆	Remove emergency lantern batteries and fire extinguishers. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 9/25/96 *End Point Revision number:* 0

276-B Organic Makeup/Paint Storage Building

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 5) **Isolate & Contain**				
Number	*Objective*		*End Point*	*EP Closure*
01.14.07	Protect Public & Environment	*	Isolate swamp cooler inlets. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 10/7/96 *End Point Revision number:* 0
01.14.08	Protect Public & Environment	*	Seal doors and isolate potential pathways to the environment. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 10/28/96 *End Point Revision number:* 0
1.14.13	Protect Public & Environment	*	Isolate sump and floor drain. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 12/16/96 *End Point Revision number:* 1

276-B Organic Makeup/Paint Storage Building

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 8) **Document & Label**				
Number	*Objective*		*End Point*	*EP Closure*
01.14.09	Facilitate Decommissioning	*	Turnover package items: Deactivation work plans/packages. Description/photos of Case 2 spaces. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 11/6/96 *End Point Revision number:* 0
01.14.10	Facilitate Decommissioning	*	Document identified area industrial hazards for inclusion in the turnover package. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 11/6/96 *End Point Revision number:* 0
01.14.11	Comply with Regulations & Requirements	A ◆	Document amount and location of remaining hazardous substances/dangerous wastes. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 11/6/96 *End Point Revision number:* 0

276-B Organic Makeup/Paint Storage Building Exterior

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

Task Type: (TT- 1) **Hazards**				
Number	*Objective*		*End Point*	*EP Closure*
01.15.01	Protect Public & Environment	*	Remove unattached combustible materials to reduce the fire hazard. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 9/25/96 *End Point Revision number:* 0
01.15.02	Facilitate S&M - Protect Workers - Reduce Cost	*	A limited structural analysis will be conducted to verify structural integrity for a minimum of five (5) years. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 9/25/96 *End Point Revision number:* 0

276-B Organic Makeup/Paint Storage Building Exterior

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

Task Type: (TT- 4) **Waste**				
Number	*Objective*		*End Point*	*EP Closure*
01.15.03	Facilitate Decommissioning	√	Housekeep and remove unattached material/equipment using the Reasonable Best Effort methodology. *Ref:* _____ _____	*BWHC:* Signed *BHI:* Signed *Date:* 10/28/96 *End Point Revision number:* 0

276-B Organic Makeup/Paint Storage Building Exterior

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

Task Type: (TT- 5) **Isolate & Contain**				
Number	*Objective*		*End Point*	*EP Closure*
01.15.04	Protect Public & Environment	*	Isolate/seal potential pathways from the environment to protect from vermin intrusion. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 9/25/96 *End Point Revision number:* 0
01.15.05	Facilitate S&M - Protect Workers - Reduce Cost	*	Place postings at entrances and lock doors to prevent unintentional/unauthorized access. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 9/25/96 *End Point Revision number:* 0
01.15.06	Facilitate S&M - Protect Workers - Reduce Cost	*	Assess roof integrity for the prevention of in-leakage for a minimum of five (5) years. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 9/25/96 *End Point Revision number:* 0

276-B Organic Makeup/Paint Storage Building Exterior

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

Task Type: (TT-7) **Refurbish or Install**				
Number	*Objective*		*End Point*	*EP Closure*
01.15.07	Facilitate S&M - Protect Workers - Reduce Cost	*	Refurbish facility as required by the structural and roof integrity studies. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 9/25/96 *End Point Revision number:* 0

276-B Organic Makeup/Paint Storage Building Exterior

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

Task Type: (TT- 8) **Document & Label**				
Number	*Objective*		*End Point*	*EP Closure*
01.15.08	Facilitate S&M - Protect Workers - Reduce Cost	*	Verify ancillary building identifications are clearly posted on the exterior of the building. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 9/25/96 *End Point Revision number:* 0
01.15.09	Facilitate S&M - Protect Workers - Reduce Cost	*	Document identified area industrial hazards for inclusion in the turnover package. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 11/6/96 *End Point Revision number:* 0
01.15.10	Comply with Regulations & Requirements	A ♦	Document amount and location of remaining hazardous substances/dangerous wastes. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 10/28/96 *End Point Revision number:* 0

276-B Organic Makeup/Paint Storage Building System

Case: (6) System - Abandoned in Place

Task Type: (TT- 1) **Hazards**				
Number	*Objective*		*End Point*	*EP Closure*
01.16.01	Facilitate S&M - Protect Workers - Reduce Cost	*	Drain piping/headers to minimize the residual material using existing equipment configuration. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 2/10/97 *End Point Revision number:* 0

276-B Organic Makeup/Paint Storage Building System

Case: (6) System - Abandoned in Place

Task Type: (TT- 5) **Isolate & Contain**				
Number	*Objective*		*End Point*	*EP Closure*
01.16.02	Protect Public & Environment	*	Install intrusion barriers on tank vent lines. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 9/25/96 *End Point Revision number:* 0

276-B Organic Makeup/Paint Storage Building System

Case: (6) System - Abandoned in Place

Task Type: (TT- 8) **Document & Label**				
Number	*Objective*		*End Point*	*EP Closure*
01.16.03	Facilitate S&M - Protect Workers - Reduce Cost	*	Label Abandoned in Place system. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 9/25/96 *End Point Revision number:* 0
01.16.04	Facilitate Decommissioning	*	Turnover package items: Deactivation work plans/packages. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 2/10/97 *End Point Revision number:* 0
01.16.05	Comply with Regulations & Requirements	A ◆	Document amount and location of remaining hazardous substances/dangerous wastes. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 11/6/96 *End Point Revision number:* 0

B Plant End Points

276-B Vessels

Case: (6) System - Abandoned in Place

Task Type: (TT- 4) Waste				
Number	Objective		End Point	EP Closure
01.17.01	Comply with Regulations & Requirements	* ◆	Verify identified requirements as defined in the Vessel Listing Table have been met. Ref: _____	BWHC: Signed BHI: Signed Date: 9/25/96 End Point Revision number: 0
01.17.02	Comply with Regulations & Requirements	* ◆	Flush/drain chemical addition piping to minimize the residual material using existing equipment configuration. Ref: _____	BWHC: Signed BHI: Signed Date: 11/4/96 End Point Revision number: 0

212-B Facility

AREA ACCEPTANCE	
BHI DATE	BWHC DATE
BHI DATE	

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B Plant End Points

212-B Canyon

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 1) Hazards				
Number	*Objective*		*End Point*	*EP Closure*
02.01.01	Protect Public & Environment	*	Remove unattached combustible materials to reduce the fire hazard. *Ref:*	*BWHC:* Signed *BHI:* Signed *Date:* 7/21/97 *End Point Revision number:* 0
02.01.02	Comply with Regulations & Requirements	A	Review remaining hazards and update the hazard communication program. *Ref:*	*BWHC:* Signed *BHI:* Signed *Date:* 7/31/97 *End Point Revision number:* 0
02.01.03	Comply with Regulations & Requirements	A	Conduct asbestos assessment and contain friable material to eliminate personnel exposure. *Ref:*	*BWHC:* Signed *BHI:* Signed *Date:* 7/31/97 *End Point Revision number:* 0

B Plant End Points

212-B Canyon

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT-4) Waste				
Number	Objective		End Point	EP Closure
02.01.04	Facilitate Decommissioning	√	Housekeep and remove unattached material/equipment using the Reasonable Best Effort methodology. Ref:	BWHC: Signed BHI: Signed Date: 8/14/97 End Point Revision number: 0
02.01.05	Comply with Regulations & Requirements	* ◆	Remove emergency lantern batteries and fire extinguishers. Ref:	BWHC: Signed BHI: Signed Date: 7/21/97 End Point Revision number: 0
)2.01.06	Comply with Regulations & Requirements	* ◆	Removed/disposed radioactive, dangerous, and mixed waste conducted in accordance with approved waste handling procedures. Ref:	BWHC: Signed BHI: Signed Date: 8/14/97 End Point Revision number: 0

B Plant End Points

212-B Canyon

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 5) Isolate & Contain				
Number	Objective		End Point	EP Closure
02.01.07	Protect Public & Environment	*	Isolate/seal exterior doors except the ones identified for use by surveillance and maintenance activities. Ref:	BWHC: Signed BHI: Signed Date: 8/14/97 End Point Revision number: 0
02.01.08	Protect Public & Environment	*	Seal/isolate cover blocks to contain contamination. Ref:	BWHC: Signed BHI: Signed Date: 7/21/97 End Point Revision number: 0
02.01.09	Protect Public & Environment	*	Isolate/seal potential pathways to the environment to protect from vermin intrusion. Ref:	BWHC: Signed BHI: Signed Date: 5/14/97 End Point Revision number: 0
02.01.10	Facilitate S&M - Protect Workers - Reduce Cost	*	Isolate/plug floor drains. Ref:	BWHC: Signed BHI: Signed Date: 12/10/96 End Point Revision number: 0

B Plant End Points

212-B Canyon

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 5) Isolate & Contain				
Number	Objective		End Point	EP Closure
02.01.11	Facilitate S&M - Protect Workers - Reduce Cost	*	Place postings at entrances and lock doors to prevent unintentional/unauthorized access. Ref: _____	BWHC: Signed BHI: Signed Date: 8/14/97 End Point Revision number: 0

B Plant End Points

212-B Canyon

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 8) **Document & Label**				
Number	*Objective*		*End Point*	*EP Closure*
02.01.12	Facilitate Decommissioning	*	Document identified area industrial hazards for inclusion in the turnover package. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 7/31/97 *End Point Revision number:* 0
02.01.13	Facilitate Decommissioning	*	Turnover package items: Deactivation work plans/packages. Description/photos of Case 2 spaces. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 8/26/97 *End Point Revision number:* 0
02.01.14	Comply with Regulations & Requirements	A ◆	Document amount and location of remaining hazardous substances/dangerous wastes. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 7/31/97 *End Point Revision number:* 0

B Plant End Points

212-B Change Room

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 1) Hazards				
Number	Objective		End Point	EP Closure
02.02.01	Protect Public & Environment	*	Remove unattached combustible materials to reduce the fire hazard. Ref:	BWHC: Signed BHI: Signed Date: 4/9/97 End Point Revision number: 0
02.02.02	Comply with Regulations & Requirements	A	Conduct asbestos assessment and contain friable material to eliminate personnel exposure. Ref:	BWHC: Signed BHI: Signed Date: 5/5/97 End Point Revision number: 0

B Plant End Points

212-B Change Room

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 4) Waste				
Number	Objective		End Point	EP Closure
02.02.03	Facilitate Decommissioning	√	Housekeep and remove unattached material/equipment using the Reasonable Best Effort methodology. Ref: _____	BWHC: Signed BHI: Signed Date: 4/9/97 End Point Revision number: 0
02.02.04	Comply with Regulations & Requirements	* ◆	Remove emergency lantern batteries and fire extinguishers. Ref: _____	BWHC: Signed BHI: Signed Date: 4/9/97 End Point Revision number: 0

B Plant End Points

212-B Change Room

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 5) Isolate & Contain				
Number	Objective		End Point	EP Closure
02.02.05	Protect Public & Environment	*	Isolate/plug drains (showers, sinks, toilets). Ref:	BWHC: Signed BHI: Signed Date: 5/5/97 End Point Revision number: 0
02.02.06	Protect Public & Environment	*	Isolate/seal exterior doors except the ones identified for use by surveillance and maintenance activities. Ref:	BWHC: Signed BHI: Signed Date: 5/5/97 End Point Revision number: 0
)2.02.07	Protect Public & Environment	*	Isolate/seal potential pathways to the environment to protect from vermin intrusion. Ref:	BWHC: Signed BHI: Signed Date: 4/9/97 End Point Revision number: 0
02.02.08	Facilitate S&M - Protect Workers - Reduce Cost	*	Place postings at entrances and lock doors to prevent unintentional/unauthorized access. Ref:	BWHC: Signed BHI: Signed Date: 5/5/97 End Point Revision number: 0

B Plant End Points

212-B Change Room

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 8) Document & Label				
Number	Objective		End Point	EP Closure
02.02.09	Facilitate Decommissioning	*	Turnover package items: Deactivation work plans/packages. Description/photos of Case 2 spaces. Ref: _____	BWHC: Signed BHI: Signed Date: 5/5/97 End Point Revision number: 0
02.02.10	Facilitate Decommissioning	*	Document identified area industrial hazards for inclusion in the turnover package. Ref: _____	BWHC: Signed BHI: Signed Date: 5/5/97 End Point Revision number: 0
02.02.11	Comply with Regulations & Requirements	A ◆	Document amount and location of remaining hazardous substances/dangerous wastes. Ref: _____	BWHC: Signed BHI: Signed Date: 5/5/97 End Point Revision number: 0

B Plant End Points

212-B Crane

Case: (5) System - Mothballed

Task Type: (TT- 1) Hazards				
Number	Objective		End Point	EP Closure
02.03.01	Facilitate Decommissioning	*	Drain liquids not required for preservation from accessible equipment utilizing existing configuration using Good Management Practices. Ref: _____	BWHC: Signed BHI: Signed Date: 7/30/97 End Point Revision number: 0

B Plant End Points

212-B Crane

Case: (5) System - Mothballed

Task Type: (TT- 4) **Waste**				
Number	*Objective*		*End Point*	*EP Closure*
02.03.02	Comply with Regulations & Requirements	* ◆	Removed/disposed radioactive, dangerous, and mixed waste conducted in accordance with approved waste handling procedures. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 7/30/97 *End Point Revision number:* 0

B Plant End Points

212-B Crane

Case: (5) System - Mothballed

Task Type: (TT- 7) **Refurbish or Install**				
Number	*Objective*		*End Point*	*EP Closure*
02.03.03	Facilitate Decommissioning	*	Provide protective measures to inhibit further equipment degradation permitting refurbishment for D&D. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 7/30/97 *End Point Revision number:* 0
02.03.04	Facilitate Decommissioning	*	Perform preventive maintenance items prior to deactivation. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 7/30/97 *End Point Revision number:* 0

B Plant End Points

212-B Crane

Case: (5) System - Mothballed

Task Type: (TT- 8) Document & Label				
Number	Objective		End Point	EP Closure
02.03.05	Facilitate Decommissioning	*	Turnover package items: Deactivation work plans/packages. Certified vendor information and historical data. Ref:	BWHC: Signed BHI: Signed Date: 7/30/97 End Point Revision number: 0
02.03.06	Facilitate Decommissioning	*	Label mothballed equipment. Ref:	BWHC: Signed BHI: Signed Date: 7/16/97 End Point Revision number: 0
02.03.07	Facilitate Decommissioning	*	Include system restart and preventive maintenance procedures as part of the turnover package. Ref:	BWHC: Signed BHI: Signed Date: 7/30/97 End Point Revision number: 0
02.03.08	Facilitate Decommissioning	*	Document system lay-up. Ref:	BWHC: Signed BHI: Signed Date: 7/30/97 End Point Revision number: 0

212-B Crane

Case: (5) System - Mothballed

Task Type: (TT- 8) **Document & Label**				
Number	*Objective*		*End Point*	*EP Closure*
02.03.09	Comply with Regulations & Requirements	A ◆	Document amount and location of remaining hazardous substances/dangerous wastes. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 7/16/97 *End Point Revision number:* 0

B Plant End Points

212-B Facility Exterior

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

Task Type: (TT-1) Hazards				
Number	Objective		End Point	EP Closure
02.04.01	Protect Public & Environment	*	Remove unattached combustible materials to reduce the fire hazard. Ref:	BWHC: Signed BHI: Signed Date: 7/30/97 End Point Revision number: 0
02.04.02	Facilitate S&M - Protect Workers - Reduce Cost	*	A limited structural analysis will be conducted to verify structural integrity for a minimum of five (5) years. Ref:	BWHC: Signed BHI: Signed Date: 6/5/97 End Point Revision number: 0
02.04.03	Comply with Regulations & Requirements	A	Conduct asbestos assessment and contain friable material to eliminate personnel exposure. Ref:	BWHC: Signed BHI: Signed Date: 7/31/97 End Point Revision number: 0

B Plant End Points

212-B Facility Exterior

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

Task Type: (TT-4) Waste				
Number	Objective		End Point	EP Closure
02.04.04	Facilitate Decommissioning	√	Housekeep and remove unattached material/equipment using the Reasonable Best Effort methodology. Ref: _____	BWHC: Signed BHI: Signed Date: 7/30/97 End Point Revision number: 0
02.04.05	Comply with Regulations & Requirements	* ◆	Removed/disposed radioactive, dangerous, and mixed waste conducted in accordance with approved waste handling procedures. Ref: _____	BWHC: Signed BHI: Signed Date: 8/14/97 End Point Revision number: 0

B Plant End Points

212-B Facility Exterior

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

Task Type: (TT- 5) Isolate & Contain				
Number	Objective		End Point	EP Closure
02.04.06	Protect Public & Environment	*	Seal entrances to the facility except the ones identified for use by surveillance and maintenance activities. Ref:	BWHC: Signed BHI: Signed Date: 8/14/97 End Point Revision number: 0
02.04.07	Protect Public & Environment	*	Seal hole on east side of building to prevent contamination migration. Ref:	BWHC: Signed BHI: Signed Date: 7/7/97 End Point Revision number: 0
02.04.08	Protect Public & Environment	*	Isolate vent lines to atmosphere. Ref:	BWHC: Signed BHI: Signed Date: 5/5/97 End Point Revision number: 0
02.04.09	Protect Public & Environment	*	Isolate/seal potential pathways from the environment to protect from vermin intrusion. Ref:	BWHC: Signed BHI: Signed Date: 5/5/97 End Point Revision number: 0

B Plant End Points

212-B Facility Exterior

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

Task Type: (TT- 5) Isolate & Contain				
Number	Objective		End Point	EP Closure
02.04.10	Facilitate S&M - Protect Workers - Reduce Cost	*	Assess roof integrity for the prevention of in-leakage for a minimum of five (5) years. Ref: _____	BWHC: Signed BHI: Signed Date: 10/21/96 End Point Revision number: 0
02.04.11	Facilitate S&M - Protect Workers - Reduce Cost	*	Place postings at entrances and lock doors to prevent unintentional/unauthorized access. Ref: _____	BWHC: Signed BHI: Signed Date: 8/14/97 End Point Revision number: 0

212-B Facility Exterior

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

Task Type: (TT- 7) **Refurbish or Install**				
Number	*Objective*		*End Point*	*EP Closure*
02.04.12	Facilitate S&M - Protect Workers - Reduce Cost	*	Refurbish facility as required by the structural and roof integrity studies. *Ref:* _____ _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0

B Plant End Points

212-B Facility Exterior

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

Task Type: (TT- 8) **Document & Label**				
Number	*Objective*		*End Point*	*EP Closure*
02.04.13	Facilitate S&M - Protect Workers - Reduce Cost	*	Document identified area industrial hazards for inclusion in the turnover package. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 7/31/97 *End Point Revision number:* 0
02.04.14	Facilitate Decommissioning	*	Turnover package items: Deactivation work plans/packages. Roof Studies Structural Studies *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 8/26/97 *End Point Revision number:* 0

B Plant End Points

212-B Hot Cell System

Case: (6) System - Abandoned in Place

Task Type: (TT- 1) Hazards				
Number	Objective		End Point	EP Closure
02.05.01	Facilitate S&M - Protect Workers - Reduce Cost	*	Drain piping/headers to minimize the residual material using existing equipment configuration. Ref: _____	BWHC: Signed BHI: Signed Date: 7/30/97 End Point Revision number: 0

B Plant End Points

212-B Hot Cell System

Case: (6) System - Abandoned in Place

Task Type: (TT- 4) Waste				
Number	Objective		End Point	EP Closure
02.05.02	Comply with Regulations & Requirements	* ◆	Removed/disposed radioactive, dangerous, and mixed waste conducted in accordance with approved waste handling procedures. Ref: _____	BWHC: Signed BHI: Signed Date: 7/30/97 End Point Revision number: 0

B Plant End Points

212-B Hot Cell System

Case: (6) System - Abandoned in Place

Task Type: (TT- 5) Isolate & Contain				
Number	Objective		End Point	EP Closure
02.05.03	Facilitate S&M - Protect Workers - Reduce Cost	*	Isolate lines leading to 221-B (i.e. close valves). Ref: _____	BWHC: Signed BHI: Signed Date: 8/14/97 End Point Revision number: 0

B Plant End Points

212-B Hot Cell System

Case: (6) System - Abandoned in Place

Task Type: (TT- 8) Document & Label				
Number	Objective		End Point	EP Closure
02.05.04	Facilitate Decommissioning	*	Turnover package items: Deactivation work plans/packages. Ref:	BWHC: Signed BHI: Signed Date: 8/14/97 End Point Revision number: 0
02.05.05	Comply with Regulations & Requirements	A ♦	Document amount and location of remaining hazardous substances/dangerous wastes. Ref:	BWHC: Signed BHI: Signed Date: 7/16/97 End Point Revision number: 0

B Plant End Points

212-B HVAC Building

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 1) Hazards				
Number	Objective		End Point	EP Closure
02.06.01	Protect Public & Environment	*	Remove unattached combustible materials to reduce the fire hazard. Ref:	BWHC: Signed BHI: Signed Date: 7/30/97 End Point Revision number: 0
02.06.02	Comply with Regulations & Requirements	A	Review remaining hazards and update the hazard communication program. Ref:	BWHC: Signed BHI: Signed Date: 7/31/97 End Point Revision number: 0
02.06.03	Comply with Regulations & Requirements	A	Conduct asbestos assessment and contain friable material to eliminate personnel exposure. Ref:	BWHC: Signed BHI: Signed Date: 7/31/97 End Point Revision number: 0

B Plant End Points

212-B HVAC Building

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT-4) Waste				
Number	Objective		End Point	EP Closure
02.06.04	Facilitate Decommissioning	√	Housekeep and remove unattached material/equipment using the Reasonable Best Effort methodology. Ref:	BWHC: Signed BHI: Signed Date: 7/30/97 End Point Revision number: 0
02.06.05	Comply with Regulations & Requirements	* ◆	Removed/disposed radioactive, dangerous, and mixed waste conducted in accordance with approved waste handling procedures. Ref:	BWHC: Signed BHI: Signed Date: 8/14/97 End Point Revision number: 0
)2.06.06	Comply with Regulations & Requirements	* ◆	Remove emergency lantern batteries and fire extinguishers. Ref:	BWHC: Signed BHI: Signed Date: 5/14/97 End Point Revision number: 0

B Plant End Points

212-B HVAC Building

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 5) Isolate & Contain				
Number	Objective		End Point	EP Closure
02.06.07	Protect Public & Environment	*	Ensure engineered barriers/seals are in place to prevent migration of both hazardous and radioactive contamination to the environment. Ref:	BWHC: Signed BHI: Signed Date: 5/14/97 End Point Revision number: 0
02.06.08	Protect Public & Environment	*	Isolate/seal potential pathways to the environment to protect from vermin intrusion. Ref:	BWHC: Signed BHI: Signed Date: 5/14/97 End Point Revision number: 0
02.06.09	Facilitate S&M - Protect Workers - Reduce Cost	*	Drain/vacate contents and isolate utility feeders. Ref:	BWHC: Signed BHI: Signed Date: 8/14/97 End Point Revision number: 0
02.06.10	Facilitate S&M - Protect Workers - Reduce Cost	*	Secure/lock doorways and other access points. Ref:	BWHC: Signed BHI: Signed Date: 7/31/97 End Point Revision number: 0

B Plant End Points

212-B HVAC Building

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 5) Isolate & Contain				
Number	Objective		End Point	EP Closure
02.06.11	Facilitate S&M - Protect Workers - Reduce Cost	*	Isolate/plug floor drains. Ref:	BWHC: Signed BHI: Signed Date: 5/14/97 End Point Revision number: 0
02.06.12	Facilitate S&M - Protect Workers - Reduce Cost	*	Place postings at entrances and lock doors to prevent unintentional/unauthorized access. Ref:	BWHC: Signed BHI: Signed Date: 7/31/97 End Point Revision number: 0

B Plant End Points

212-B HVAC Building

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 8) Document & Label				
Number	*Objective*		*End Point*	*EP Closure*
02.06.13	Facilitate Decommissioning	*	Turnover package items: Deactivation work plans/packages. Description/photos of Case 2 spaces. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 8/26/97 *End Point Revision number:* 0
02.06.14	Facilitate Decommissioning	*	Document identified area industrial hazards for inclusion in the turnover package. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 7/31/97 *End Point Revision number:* 0
02.06.15	Comply with Regulations & Requirements	A ◆	Document amount and location of remaining hazardous substances/dangerous wastes. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 7/31/97 *End Point Revision number:* 0

B Plant End Points

212-B HVAC System

Case: (6) System - Abandoned in Place

Task Type: (TT- 1) Hazards				
Number	Objective		End Point	EP Closure
02.07.01	Facilitate S&M - Protect Workers - Reduce Cost	*	Remove accessible monitoring equipment containing hazardous material (i.e. lead shielding). Ref: _____	BWHC: Signed BHI: Signed Date: 6/23/97 End Point Revision number: 0

B Plant End Points

212-B HVAC System

Case: (6) System - Abandoned in Place

Task Type: (TT- 5) **Isolate & Contain**				
Number	*Objective*		*End Point*	*EP Closure*
02.07.02	Protect Public & Environment	*	Isolate HVAC supply. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 7/30/97 *End Point Revision number:* 0
02.07.03	Protect Public & Environment	*	Isolate swamp cooler supply to change room. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 5/5/97 *End Point Revision number:* 0
02.07.04	Facilitate S&M - Protect Workers - Reduce Cost	*	Remove filters from hot cell to 221-B wind tunnel. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 7/30/97 *End Point Revision number:* 0
02.07.05	Facilitate S&M - Protect Workers - Reduce Cost	*	Remove inlet filters. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 7/30/97 *End Point Revision number:* 0

B Plant End Points

212-B HVAC System

Case: (6) System - Abandoned in Place

Task Type: (TT- 8) Document & Label				
Number	Objective		End Point	EP Closure
02.07.06	Facilitate S&M - Protect Workers - Reduce Cost	*	Label Abandoned in Place system. Ref: _____	BWHC: Signed BHI: Signed Date: 7/30/97 End Point Revision number: 0
02.07.07	Facilitate Decommissioning	*	Turnover package items: Deactivation work plans/packages. Ref: _____	BWHC: Signed BHI: Signed Date: 8/26/97 End Point Revision number: 0
02.07.08	Comply with Regulations & Requirements	A ◆	Document amount and location of remaining hazardous substances/dangerous wastes. Ref: _____	BWHC: Signed BHI: Signed Date: 7/31/97 End Point Revision number: 0

B Plant End Points

212-B Operating Gallery

Case: (1) Internal Spaces, Routine Access Required

Task Type: (TT-1) Hazards				
Number	Objective		End Point	EP Closure
02.08.01	Protect Public & Environment	*	Remove unattached combustible materials to reduce the fire hazard. Ref:	BWHC: Signed BHI: Signed Date: 6/23/97 End Point Revision number: 0
02.08.02	Comply with Regulations & Requirements	A	Conduct asbestos assessment and contain friable material to eliminate personnel exposure. Ref:	BWHC: Signed BHI: Signed Date: 6/26/97 End Point Revision number: 0
02.08.12	Comply with Regulations & Requirements	A	Conduct confined space assessment and resolve any identified issues. Ref:	BWHC: Signed BHI: Signed Date: 7/7/97 End Point Revision number: 1

B Plant End Points

212-B Operating Gallery

Case: (1) Internal Spaces, Routine Access Required

Task Type: (TT- 2) Radiation Fields				
Number	Objective		End Point	EP Closure
02.08.03	Facilitate S&M - Protect Workers - Reduce Cost	*	Remove manipulators and seal ports in the control room and remove area from RMA status. Ref: _____	BWHC: Signed BHI: Signed Date: 6/23/97 End Point Revision number: 0

B Plant End Points

212-B Operating Gallery

Case: (1) Internal Spaces, Routine Access Required

Task Type: (TT- 4) Waste				
Number	Objective		End Point	EP Closure
02.08.04	Facilitate S&M - Protect Workers - Reduce Cost	√	Housekeep and remove unattached material/equipment using the Reasonable Best Effort methodology. Ref:	BWHC: Signed BHI: Signed Date: 6/23/97 End Point Revision number: 0
02.08.05	Comply with Regulations & Requirements	* ◆	Remove accessible monitoring equipment containing hazardous material (i.e. lead shielding). Ref:	BWHC: Signed BHI: Signed Date: 7/7/97 End Point Revision number: 0
02.08.06	Comply with Regulations & Requirements	* ◆	Remove emergency lantern batteries and fire extinguishers. Ref:	BWHC: Signed BHI: Signed Date: 7/7/97 End Point Revision number: 0

B Plant End Points

212-B Operating Gallery

Case: (1) Internal Spaces, Routine Access Required

Task Type: (TT- 5) Isolate & Contain				
Number	Objective		End Point	EP Closure
02.08.07	Protect Public & Environment	*	Isolate sump discharge line. Ref:	BWHC: Signed BHI: Signed Date: 6/23/97 End Point Revision number: 0
02.08.08	Protect Public & Environment	*	Isolate/plug floor drains. Ref:	BWHC: Signed BHI: Signed Date: 5/14/97 End Point Revision number: 0

B Plant End Points

212-B Operating Gallery

Case: (1) Internal Spaces, Routine Access Required

Task Type: (TT- 8) Document & Label				
Number	*Objective*		*End Point*	*EP Closure*
02.08.09	Facilitate S&M - Protect Workers - Reduce Cost	*	Document identified area industrial hazards for inclusion in the turnover package. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 6/26/97 *End Point Revision number:* 0
02.08.10	Facilitate Decommissioning	*	Turnover package items: Deactivation work plans/packages. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 7/7/97 *End Point Revision number:* 0
02.08.11	Comply with Regulations & Requirements	A ◆	Document amount and location of remaining hazardous substances/dangerous wastes. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 6/26/97 *End Point Revision number:* 0

B Plant End Points

212-B Truck Port

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT-1) Hazards				
Number	Objective		End Point	EP Closure
02.09.01	Protect Public & Environment	*	Remove unattached combustible materials to reduce the fire hazard. Ref: _____	BWHC: Signed BHI: Signed Date: 6/23/97 End Point Revision number: 0

B Plant End Points

212-B Truck Port

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 4) Waste				
Number	Objective		End Point	EP Closure
02.09.02	Facilitate Decommissioning	√	Housekeep and remove unattached material/equipment using the Reasonable Best Effort methodology. Ref:	BWHC: Signed BHI: Signed Date: 6/23/97 End Point Revision number: 0
02.09.03	Comply with Regulations & Requirements	* ◆	Remove emergency lantern batteries and fire extinguishers. Ref:	BWHC: Signed BHI: Signed Date: 6/23/97 End Point Revision number: 0

B Plant End Points

212-B Truck Port

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 5) Isolate & Contain				
Number	Objective		End Point	EP Closure
02.09.04	Protect Public & Environment	*	Secure/lock vehicle access door to the exterior. Ref:	BWHC: Signed BHI: Signed Date: 8/19/97 End Point Revision number: 0
02.09.05	Protect Public & Environment	*	Isolate/seal interface with canyon. Ref:	BWHC: Signed BHI: Signed Date: 6/26/97 End Point Revision number: 0
02.09.06	Protect Public & Environment	*	Isolate/seal potential pathways to the environment to protect from vermin intrusion. Ref:	BWHC: Signed BHI: Signed Date: 6/23/97 End Point Revision number: 0
02.09.07	Facilitate S&M - Protect Workers - Reduce Cost	*	Place postings at entrances and lock doors to prevent unintentional/unauthorized access. Ref:	BWHC: Signed BHI: Signed Date: 7/7/97 End Point Revision number: 0

212-B Truck Port

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 8) Document & Label				
Number	Objective		End Point	EP Closure
02.09.08	Facilitate Decommissioning	*	Turnover package items: Deactivation work plans/packages. Description/photos of Case 2 spaces. Ref:	BWHC: Signed BHI: Signed Date: 8/26/97 End Point Revision number: 0
02.09.09	Facilitate Decommissioning	*	Document identified area industrial hazards for inclusion in the turnover package. Ref:	BWHC: Signed BHI: Signed Date: 6/26/97 End Point Revision number: 0
02.09.10	Comply with Regulations & Requirements	A ◆	Document amount and location of remaining hazardous substances/dangerous wastes. Ref:	BWHC: Signed BHI: Signed Date: 6/26/97 End Point Revision number: 0

B Plant End Points

212-B Vessels

Case: (6) System - Abandoned in Place

Task Type: (TT- 4) Waste				
Number	Objective		End Point	EP Closure
02.10.01	Comply with Regulations & Requirements	* ◆	Verify identified requirements as defined in the Vessel Listing Table have been met. Ref: _____	BWHC: Signed BHI: Signed Date: 8/26/97 End Point Revision number: 0
02.10.02	Comply with Regulations & Requirements	* ◆	Flush/drain chemical addition piping to minimize the residual material using existing equipment configuration. Ref: _____	BWHC: Signed BHI: Signed Date: 8/14/97 End Point Revision number: 0

221-B Electrical Gallery

AREA ACCEPTANCE	
BHI DATE	BWHC DATE
BHI DATE	

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B Plant End Points

221-B Electrical Gallery

Case: (1) Internal Spaces, Routine Access Required

Task Type: (TT- 1) Hazards				
Number	Objective		End Point	EP Closure
03.01.01	Protect Public & Environment	*	Remove unattached combustible materials to reduce the fire hazard. Ref:	BWHC: BHI: Date: End Point Revision number: 0
03.01.02	Comply with Regulations & Requirements	A	Review remaining hazards and update the hazard communication program. Ref:	BWHC: BHI: Date: End Point Revision number: 0
03.01.03	Comply with Regulations & Requirements	A	Conduct asbestos assessment and contain friable material to eliminate personnel exposure. Ref:	BWHC: BHI: Date: End Point Revision number: 0
03.01.18	Comply with Regulations & Requirements	A	Conduct confined space assessment and resolve any identified issues. Ref:	BWHC: BHI: Date: End Point Revision number: 1

B Plant End Points

221-B Electrical Gallery

Case: (1) Internal Spaces, Routine Access Required

Task Type: (TT-1) Hazards				
Number	Objective		End Point	EP Closure
03.01.19	Facilitate S&M - Protect Workers - Reduce Cost	*	Remove UPS batteries. Ref: _____ _____	BWHC: BHI: Date: End Point Revision number: 1-A

B Plant End Points

221-B Electrical Gallery

Case: (1) Internal Spaces, Routine Access Required

Task Type: (TT- 3) Contamination				
Number	*Objective*		*End Point*	*EP Closure*
03.01.04	Facilitate S&M - Protect Workers - Reduce Cost	*	The general space dose rate meets the definition of an RBA as defined in Hanford Site Radiological Control Manual (HSRCM-1), Chapter 2, Rev 2. Potential for contamination above 6 feet exists. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0
03.01.05	Facilitate S&M - Protect Workers - Reduce Cost	*	Remove/fix/contain source material in the sumps on the south side. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0
03.01.06	Comply with Regulations & Requirements	A	Post radiological conditions in accordance with Hanford Site Radiological Control Manual (HSRCM-1), Chapter 2, Rev 2 (Ref EPTI #4). *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0

B Plant End Points

221-B Electrical Gallery

Case: (1) Internal Spaces, Routine Access Required

Task Type: (TT-4) Waste				
Number	Objective		End Point	EP Closure
03.01.07	Facilitate S&M - Protect Workers - Reduce Cost	√	Housekeep and remove unattached material/equipment using the Reasonable Best Effort methodology. Ref: _____	BWHC: BHI: Date: End Point Revision number: 0
03.01.08	Comply with Regulations & Requirements	* ◆	Remove emergency lantern batteries and fire extinguishers. Ref: _____	BWHC: BHI: Date: End Point Revision number: 0
03.01.09	Comply with Regulations & Requirements	* ◆	Removed/disposed radioactive, dangerous, and mixed waste conducted in accordance with approved waste handling procedures. Ref: _____	BWHC: BHI: Date: End Point Revision number: 0

B Plant End Points

221-B Electrical Gallery

Case: (1) Internal Spaces, Routine Access Required

Task Type: (TT- 5) Isolate & Contain				
Number	*Objective*		*End Point*	*EP Closure*
03.01.10	Protect Public & Environment	*	Seal entrances to the facility except the ones identified for use by surveillance and maintenance activities. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0
03.01.11	Facilitate S&M - Protect Workers - Reduce Cost	√	Isolate/seal access doors not utilized during routine surveillance. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0
03.01.12	Facilitate S&M - Protect Workers - Reduce Cost	√	Isolate/plug floor drains. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0
03.01.13	Facilitate S&M - Protect Workers - Reduce Cost	√	Ensure fire dampers are closed. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0

B Plant End Points

221-B Electrical Gallery

Case: (1) Internal Spaces, Routine Access Required

Task Type: (TT- 8) Document & Label				
Number	Objective		End Point	EP Closure
03.01.14	Facilitate S&M - Protect Workers - Reduce Cost	*	Document identified area industrial hazards for inclusion in the turnover package. Ref: _____	BWHC: BHI: Date: End Point Revision number: 0
03.01.15	Facilitate Decommissioning	*	Turnover package items: Deactivation work plans/packages. Ref: _____	BWHC: BHI: Date: End Point Revision number: 0
03.01.16	Comply with Regulations & Requirements	A ◆	Document amount and location of remaining hazardous substances/dangerous wastes. Ref: _____	BWHC: BHI: Date: End Point Revision number: 0
03.01.17	Comply with Regulations & Requirements	A ◆	Document space dose rates and contamination levels in the final radiological survey report and map per Hanford Site Radiological Control Manual (HSRCM-1), Chapter 5, Rev 2 (Ref EPTI #5) for inclusion in the turnover package. Ref: _____	BWHC: BHI: Date: End Point Revision number: 0

221-B Electrical Gallery System

Case: (6) System - Abandoned in Place

Task Type: (TT- 1) **Hazards**				
Number	*Objective*		*End Point*	*EP Closure*
03.02.01	Facilitate S&M - Protect Workers - Reduce Cost	*	Remove accessible monitoring equipment containing hazardous material (i.e. lead shielding). *Ref:* _____ _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0

B Plant End Points

221-B Electrical Gallery System

Case: (6) System - Abandoned in Place

Task Type: (TT- 4) Waste				
Number	Objective		End Point	EP Closure
03.02.02	Comply with Regulations & Requirements	* ◆	Minimize the residual material remaining in piping/tanks using existing equipment configuration. Ref: _____ _____	BWHC: BHI: Date: End Point Revision number: 0

B Plant End Points

221-B Electrical Gallery System

Case: (6) System - Abandoned in Place

Task Type: (TT- 5) **Isolate & Contain**				
Number	*Objective*		*End Point*	*EP Closure*
03.02.03	Facilitate S&M - Protect Workers - Reduce Cost	*	Isolate tank 900 inlet and outlet piping. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 7/7/97 *End Point Revision number:* 0

B Plant End Points

221-B Electrical Gallery System

Case: (6) System - Abandoned in Place

Task Type: (TT- 8) Document & Label				
Number	Objective		End Point	EP Closure
03.02.04	Facilitate S&M - Protect Workers - Reduce Cost	*	Label Abandoned in Place system. Ref: _____	BWHC: BHI: Date: End Point Revision number: 0
03.02.05	Facilitate Decommissioning	*	Turnover package items: Deactivation work plans/packages. Ref: _____	BWHC: BHI: Date: End Point Revision number: 0
03.02.06	Comply with Regulations & Requirements	A ◆	Document amount and location of remaining hazardous substances/dangerous wastes. Ref: _____	BWHC: BHI: Date: End Point Revision number: 0

221-B Electrical Gallery Vessels

Case: (6) System - Abandoned in Place

Task Type: (TT- 4) **Waste**				
Number	*Objective*		*End Point*	*EP Closure*
03.03.01	Comply with Regulations & Requirements	* ◆	Verify identified requirements as defined in the Vessel Listing Table have been met. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 12/11/97 *End Point Revision number:* 0
03.03.02	Comply with Regulations & Requirements	* ◆	Flush/drain chemical addition piping to minimize the residual material using existing equipment configuration. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 12/11/97 *End Point Revision number:* 0

221-B Facility

AREA ACCEPTANCE	
BHI DATE	BWHC DATE
BHI DATE	

B Plant End Points

221-B Canyon & Deck

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 1) Hazards				
Number	Objective		End Point	EP Closure
04.01.01	Protect Public & Environment	*	Remove unattached combustible materials to reduce the fire hazard including propane fuel. Ref:	BWHC: BHI: Date: End Point Revision number: 0
04.01.02	Comply with Regulations & Requirements	A	Conduct asbestos assessment and contain friable material to eliminate personnel exposure. Ref:	BWHC: BHI: Date: End Point Revision number: 0
04.01.03	Comply with Regulations & Requirements	A	Review remaining hazards and update the hazard communication program. Ref:	BWHC: BHI: Date: End Point Revision number: 0

B Plant End Points

221-B Canyon & Deck

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 2) **Radiation Fields**				
Number	*Objective*		*End Point*	*EP Closure*
04.01.05	Comply with Regulations & Requirements	A	Post radiological conditions in accordance with Hanford Site Radiological Control Manual (HSRCM-1), Chapter 2, Rev 2 (Ref EPTI #4). *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0

B Plant End Points

221-B Canyon & Deck

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 3) **Contamination**				
Number	*Objective*		*End Point*	*EP Closure*
04.01.04	Comply with Regulations & Requirements	A	Post radiological conditions in accordance with Hanford Site Radiological Control Manual (HSRCM-1), Chapter 2, Rev 2 (Ref EPTI #4). *Ref:* _____ _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0

B Plant End Points

221-B Canyon & Deck

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT-4) **Waste**				
Number	*Objective*		*End Point*	*EP Closure*
04.01.06	Facilitate Decommissioning	√	Housekeep and remove unattached material/equipment using the Reasonable Best Effort methodology. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0
04.01.07	Facilitate Decommissioning	√	Remove propane tank from stinger II truck. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0
04.01.08	Comply with Regulations & Requirements	* ◆	Removed/disposed radioactive, dangerous, and mixed waste conducted in accordance with approved waste handling procedures. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0
04.01.09	Comply with Regulations & Requirements	* ◆	Remove emergency lantern batteries and fire extinguishers. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0

B Plant End Points

221-B Canyon & Deck

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 4) Waste				
Number	Objective		End Point	EP Closure
04.01.10	Comply with Regulations & Requirements	* ◆	Remove freon from crane air conditioning unit. Ref: _____ _____	BWHC: BHI: Date: End Point Revision number: 0

B Plant End Points

221-B Canyon & Deck

Case: (2) Internal Spaces, No Access Expected

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

B Plant End Points

221-B Canyon & Deck

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 5) Isolate & Contain				
Number	Objective		End Point	EP Closure
04.01.15	Facilitate S&M - Protect Workers - Reduce Cost	*	Remove canyon inlet filters (10 units) & isolate. Ref: _____	BWHC: BHI: Date: End Point Revision number: 0
04.01.16	Facilitate S&M - Protect Workers - Reduce Cost	*	Isolate canyon forced air supply (10). Ref: _____	BWHC: BHI: Date: End Point Revision number: 0
04.01.17	Facilitate S&M - Protect Workers - Reduce Cost	*	Place postings at entrances and lock doors to prevent unintentional/unauthorized access. Ref: _____	BWHC: BHI: Date: End Point Revision number: 0

B Plant End Points

221-B Canyon & Deck

Case: (2) Internal Spaces, No Access Expected

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

B Plant End Points

221-B Canyon Cell 4

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 4) **Waste**				
Number	*Objective*		*End Point*	*EP Closure*
04.02.01	Comply with Regulations & Requirements	* ◆	Provide complete waste descriptions (ref. EPTI #7). *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0

B Plant End Points

221-B Canyon Cell 4

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 8) **Document & Label**				
Number	*Objective*		*End Point*	*EP Closure*
04.02.02	Comply with Regulations & Requirements	A ♦	Complete waste container inventories (ref. EPTI #7). *Ref:* _____ _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0

B Plant End Points

221-B Canyon Crane

Case: (5) System - Mothballed

Task Type: (TT- 1) **Hazards**				
Number	*Objective*		*End Point*	*EP Closure*
04.03.01	Facilitate Decommissioning	*	Drain liquids not required for preservation from accessible equipment utilizing existing configuration using Good Management Practices. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0

B Plant End Points

221-B Canyon Crane

Case: (5) System - Mothballed

Task Type: (TT- 4) **Waste**				
Number	*Objective*		*End Point*	*EP Closure*
04.03.02	Comply with Regulations & Requirements	* ◆	Removed/disposed radioactive, dangerous, and mixed waste conducted in accordance with approved waste handling procedures. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0

B Plant End Points

221-B Canyon Crane

Case: (5) System - Mothballed

Task Type: (TT- 5) **Isolate & Contain**				
Number	*Objective*		*End Point*	*EP Closure*
04.03.03	Facilitate Decommissioning	*	Isolate/seal access door. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0
04.03.04	Facilitate Decommissioning	*	Remove HEPA filter(s) and isolate. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0

B Plant End Points

221-B Canyon Crane

Case: (5) System - Mothballed

Task Type: (TT- 7) **Refurbish or Install**				
Number	*Objective*		*End Point*	*EP Closure*
04.03.05	Facilitate Decommissioning	*	Perform preventive maintenance items prior to deactivation. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0
04.03.06	Facilitate Decommissioning	*	Provide protective measures to inhibit further equipment degradation permitting refurbishment for D&D. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0

B Plant End Points

221-B Canyon Crane

Case: (5) System - Mothballed

Task Type: (TT- 8) **Document & Label**				
Number	*Objective*		*End Point*	*EP Closure*
04.03.07	Facilitate Decommissioning	*	Turnover package items: Deactivation work plans/packages. Certified vendor information and historical data. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0
04.03.08	Facilitate Decommissioning	*	Store optic calibration equipment. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0
4.03.09	Facilitate Decommissioning	*	Label mothballed equipment. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0
04.03.10	Facilitate Decommissioning	*	Include system restart and preventive maintenance procedures as part of the turnover package. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0

B Plant End Points

221-B Canyon Crane

Case: (5) System - Mothballed

Task Type: (TT- 8) **Document & Label**				
Number	*Objective*		*End Point*	*EP Closure*
04.03.11	Facilitate Decommissioning	*	Document system lay-up. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0
04.03.12	Comply with Regulations & Requirements	A ◆	Document amount and location of remaining hazardous substances/dangerous wastes. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0

B Plant End Points

221-B Cell 10 Vessels

Case: (6) System - Abandoned in Place

Task Type: (TT- 4) Waste				
Number	Objective		End Point	EP Closure
04.04.01	Comply with Regulations & Requirements	* ◆	Verify identified requirements as defined in the Vessel Listing Table have been met. Ref: _____ _____	BWHC: BHI: Date: End Point Revision number: 0
04.04.02	Comply with Regulations & Requirements	* ◆	Flush/drain chemical addition piping to minimize the residual material using existing equipment configuration. Ref: _____ _____	BWHC: BHI: Date: End Point Revision number: 0

B Plant End Points

221-B Cell 11 Vessels

Case: (6) System - Abandoned in Place

Task Type: (TT- 4) Waste				
Number	Objective		End Point	EP Closure
04.05.01	Comply with Regulations & Requirements	* ◆	Flush/drain chemical addition piping to minimize the residual material using existing equipment configuration. Ref: _____	BWHC: Signed BHI: Signed Date: 4/11/97 End Point Revision number: 0
04.05.02	Comply with Regulations & Requirements	* ◆	Verify identified requirements as defined in the Vessel Listing Table have been met. Ref: _____	BWHC: Signed BHI: Signed Date: 4/11/97 End Point Revision number: 0

B Plant End Points

221-B Cell 12 Vessels

Case: (6) System - Abandoned in Place

Task Type: (TT- 4) Waste				
Number	Objective		End Point	EP Closure
04.06.01	Comply with Regulations & Requirements	* ◆	Verify identified requirements as defined in the Vessel Listing Table have been met. Ref: _____	BWHC: Signed BHI: Signed Date: 4/11/97 End Point Revision number: 0
04.06.02	Comply with Regulations & Requirements	* ◆	Flush/drain chemical addition piping to minimize the residual material using existing equipment configuration. Ref: _____	BWHC: Signed BHI: Signed Date: 4/11/97 End Point Revision number: 0

B Plant End Points

221-B Cell 13 Vessels

Case: (6) System - Abandoned in Place

Task Type: (TT- 4) Waste				
Number	Objective		End Point	EP Closure
04.07.01	Comply with Regulations & Requirements	* ◆	Flush/drain chemical addition piping to minimize the residual material using existing equipment configuration. Ref: _____	BWHC: Signed BHI: Signed Date: 4/11/97 End Point Revision number: 0
04.07.02	Comply with Regulations & Requirements	* ◆	Verify identified requirements as defined in the Vessel Listing Table have been met. Ref: _____	BWHC: Signed BHI: Signed Date: 4/11/97 End Point Revision number: 0

B Plant End Points

221-B Cell 14 Vessels

Case: (6) System - Abandoned in Place

Task Type: (TT- 4) Waste				
Number	Objective		End Point	EP Closure
04.08.01	Comply with Regulations & Requirements	* ◆	Verify identified requirements as defined in the Vessel Listing Table have been met. Ref: _____	BWHC: Signed BHI: Signed Date: 4/11/97 End Point Revision number: 0
04.08.02	Comply with Regulations & Requirements	* ◆	Flush/drain chemical addition piping to minimize the residual material using existing equipment configuration. Ref: _____	BWHC: Signed BHI: Signed Date: 4/11/97 End Point Revision number: 0

B Plant End Points

221-B Cell 17 Vessels

Case: (6) System - Abandoned in Place

Task Type: (TT- 4) **Waste**				
Number	*Objective*		*End Point*	*EP Closure*
04.09.01	Comply with Regulations & Requirements	* ◆	Flush/drain chemical addition piping to minimize the residual material using existing equipment configuration. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 4/11/97 *End Point Revision number:* 0
04.09.02	Comply with Regulations & Requirements	* ◆	Verify identified requirements as defined in the Vessel Listing Table have been met. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 4/11/97 *End Point Revision number:* 0

B Plant End Points

221-B Cell 18 Vessels

Case: (6) System - Abandoned in Place

Task Type: (TT- 4) Waste				
Number	Objective		End Point	EP Closure
04.10.01	Comply with Regulations & Requirements	* ◆	Verify identified requirements as defined in the Vessel Listing Table have been met. Ref: _____	BWHC: BHI: Date: End Point Revision number: 0
04.10.02	Comply with Regulations & Requirements	* ◆	Flush/drain chemical addition piping to minimize the residual material using existing equipment configuration. Ref: _____	BWHC: BHI: Date: End Point Revision number: 0

B Plant End Points

221-B Cell 19 Vessels

Case: (6) System - Abandoned in Place

Task Type: (TT- 4) Waste				
Number	Objective		End Point	EP Closure
04.11.01	Comply with Regulations & Requirements	* ◆	Verify identified requirements as defined in the Vessel Listing Table have been met. Ref: _____	BWHC: Signed BHI: Signed Date: 4/11/97 End Point Revision number: 0
04.11.02	Comply with Regulations & Requirements	* ◆	Flush/drain chemical addition piping to minimize the residual material using existing equipment configuration. Ref: _____	BWHC: Signed BHI: Signed Date: 4/11/97 End Point Revision number: 0

B Plant End Points

221-B Cell 20 Vessels

Case: (6) System - Abandoned in Place

Task Type: (TT- 4) Waste				
Number	Objective		End Point	EP Closure
04.12.01	Comply with Regulations & Requirements	* ◆	Flush/drain chemical addition piping to minimize the residual material using existing equipment configuration. Ref: _____	BWHC: BHI: Date: End Point Revision number: 0
04.12.02	Comply with Regulations & Requirements	* ◆	Verify identified requirements as defined in the Vessel Listing Table have been met. Ref: _____	BWHC: BHI: Date: End Point Revision number: 0

B Plant End Points

221-B Cell 21 Vessels

Case: (6) System - Abandoned in Place

Task Type: (TT- 4) Waste				
Number	Objective		End Point	EP Closure
04.13.01	Comply with Regulations & Requirements	* ◆	Verify identified requirements as defined in the Vessel Listing Table have been met. Ref: _____	BWHC: BHI: Date: End Point Revision number: 0
04.13.02	Comply with Regulations & Requirements	* ◆	Flush/drain chemical addition piping to minimize the residual material using existing equipment configuration. Ref: _____	BWHC: BHI: Date: End Point Revision number: 0

B Plant End Points

221-B Cell 22 Vessels

Case: (6) System - Abandoned in Place

Task Type: (TT- 4) Waste				
Number	Objective		End Point	EP Closure
04.14.01	Comply with Regulations & Requirements	* ◆	Flush/drain chemical addition piping to minimize the residual material using existing equipment configuration. Ref: _____	BWHC: BHI: Date: End Point Revision number: 0
04.14.02	Comply with Regulations & Requirements	* ◆	Verify identified requirements as defined in the Vessel Listing Table have been met. Ref: _____	BWHC: BHI: Date: End Point Revision number: 0

B Plant End Points

221-B Cell 23 Vessels

Case: (6) System - Abandoned in Place

Task Type: (TT- 4) Waste				
Number	Objective		End Point	EP Closure
04.15.01	Comply with Regulations & Requirements	* ◆	Flush/drain chemical addition piping to minimize the residual material using existing equipment configuration. Ref: _____	BWHC: Signed BHI: Signed Date: 4/11/97 End Point Revision number: 0
04.15.02	Comply with Regulations & Requirements	* ◆	Verify identified requirements as defined in the Vessel Listing Table have been met. Ref: _____	BWHC: Signed BHI: Signed Date: 4/11/97 End Point Revision number: 0

B Plant End Points

221-B Cell 24 Vessels

Case: (6) System - Abandoned in Place

Task Type: (TT- 4) **Waste**				
Number	*Objective*		*End Point*	*EP Closure*
04.16.01	Comply with Regulations & Requirements	* ◆	Flush/drain chemical addition piping to minimize the residual material using existing equipment configuration. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0
04.16.02	Comply with Regulations & Requirements	* ◆	Verify identified requirements as defined in the Vessel Listing Table have been met. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0

B Plant End Points

221-B Cell 25 Vessels

Case: (6) System - Abandoned in Place

Task Type: (TT- 4) Waste				
Number	Objective		End Point	EP Closure
04.17.01	Comply with Regulations & Requirements	* ◆	Verify identified requirements as defined in the Vessel Listing Table have been met. Ref: _____	BWHC: BHI: Date: End Point Revision number: 0
04.17.02	Comply with Regulations & Requirements	* ◆	Flush/drain chemical addition piping to minimize the residual material using existing equipment configuration. Ref: _____	BWHC: BHI: Date: End Point Revision number: 0

B Plant End Points

221-B Cell 26 Vessels

Case: (6) System - Abandoned in Place

Task Type: (TT- 4) Waste				
Number	Objective		End Point	EP Closure
04.18.01	Comply with Regulations & Requirements	* ◆	Flush/drain chemical addition piping to minimize the residual material using existing equipment configuration. Ref: _____	BWHC: BHI: Date: End Point Revision number: 0
04.18.02	Comply with Regulations & Requirements	* ◆	Verify identified requirements as defined in the Vessel Listing Table have been met. Ref: _____	BWHC: BHI: Date: End Point Revision number: 0

B Plant End Points

221-B Cell 27 Vessels

Case: (6) System - Abandoned in Place

Task Type: (TT- 4) Waste				
Number	Objective		End Point	EP Closure
04.19.01	Comply with Regulations & Requirements	* ◆	Verify identified requirements as defined in the Vessel Listing Table have been met. Ref: _____	BWHC: BHI: Date: End Point Revision number: 0
04.19.02	Comply with Regulations & Requirements	* ◆	Flush/drain chemical addition piping to minimize the residual material using existing equipment configuration. Ref: _____	BWHC: BHI: Date: End Point Revision number: 0

B Plant End Points

221-B Cell 28 Vessels

Case: (6) System - Abandoned in Place

Task Type: (TT-4) Waste				
Number	Objective		End Point	EP Closure
04.20.01	Comply with Regulations & Requirements	* ◆	Flush/drain chemical addition piping to minimize the residual material using existing equipment configuration. Ref: _____	BWHC: BHI: Date: End Point Revision number: 0
04.20.02	Comply with Regulations & Requirements	* ◆	Verify identified requirements as defined in the Vessel Listing Table have been met. Ref: _____	BWHC: BHI: Date: End Point Revision number: 0

B Plant End Points

221-B Cell 29 Vessels

Case: (6) System - Abandoned in Place

Task Type: (TT- 4) Waste				
Number	Objective		End Point	EP Closure
04.21.01	Comply with Regulations & Requirements	* ◆	Flush/drain chemical addition piping to minimize the residual material using existing equipment configuration. Ref:	BWHC: Signed BHI: Signed Date: 4/11/97 End Point Revision number: 0
04.21.02	Comply with Regulations & Requirements	* ◆	Verify identified requirements as defined in the Vessel Listing Table have been met. Ref:	BWHC: Signed BHI: Signed Date: 4/11/97 End Point Revision number: 0

B Plant End Points

221-B Cell 30 Vessels

Case: (6) System - Abandoned in Place

Task Type: (TT- 4) Waste				
Number	Objective		End Point	EP Closure
04.22.01	Comply with Regulations & Requirements	* ◆	Verify identified requirements as defined in the Vessel Listing Table have been met. Ref: _____	BWHC: BHI: Date: End Point Revision number: 0
04.22.02	Comply with Regulations & Requirements	* ◆	Flush/drain chemical addition piping to minimize the residual material using existing equipment configuration. Ref: _____	BWHC: BHI: Date: End Point Revision number: 0

B Plant End Points

221-B Cell 31 Vessels

Case: (6) System - Abandoned in Place

Task Type: (TT- 4) Waste				
Number	Objective		End Point	EP Closure
04.23.01	Comply with Regulations & Requirements	* ◆	Verify identified requirements as defined in the Vessel Listing Table have been met. Ref: _____	BWHC: Signed BHI: Signed Date: 1/31/97 End Point Revision number: 0
04.23.02	Comply with Regulations & Requirements	* ◆	Flush/drain chemical addition piping to minimize the residual material using existing equipment configuration. Ref: _____	BWHC: Signed BHI: Signed Date: 1/31/97 End Point Revision number: 0

B Plant End Points

221-B Cell 32 Vessels

Case: (6) System - Abandoned in Place

Task Type: (TT- 4) Waste				
Number	Objective		End Point	EP Closure
04.24.01	Comply with Regulations & Requirements	* ◆	Flush/drain chemical addition piping to minimize the residual material using existing equipment configuration. Ref: _____	BWHC: BHI: Date: End Point Revision number: 0
04.24.02	Comply with Regulations & Requirements	* ◆	Verify identified requirements as defined in the Vessel Listing Table have been met. Ref: _____	BWHC: BHI: Date: End Point Revision number: 0

B Plant End Points

221-B Cell 33 Vessels

Case: (6) System - Abandoned in Place

Task Type: (TT- 4) Waste				
Number	Objective		End Point	EP Closure
04.25.01	Comply with Regulations & Requirements	* ◆	Verify identified requirements as defined in the Vessel Listing Table have been met. Ref: _____	BWHC: Signed BHI: Signed Date: 1/31/97 End Point Revision number: 0
04.25.02	Comply with Regulations & Requirements	* ◆	Flush/drain chemical addition piping to minimize the residual material using existing equipment configuration. Ref: _____	BWHC: Signed BHI: Signed Date: 1/31/97 End Point Revision number: 0

B Plant End Points

221-B Cell 34 Vessels

Case: (6) System - Abandoned in Place

Task Type: (TT- 4) Waste				
Number	Objective		End Point	EP Closure
04.26.01	Comply with Regulations & Requirements	* ◆	Flush/drain chemical addition piping to minimize the residual material using existing equipment configuration. Ref: _____	BWHC: Signed BHI: Signed Date: 4/11/97 End Point Revision number: 0
04.26.02	Comply with Regulations & Requirements	* ◆	Verify identified requirements as defined in the Vessel Listing Table have been met. Ref: _____	BWHC: Signed BHI: Signed Date: 4/11/97 End Point Revision number: 0

B Plant End Points

221-B Cell 35 Vessels

Case: (6) System - Abandoned in Place

Task Type: (TT- 4) Waste				
Number	Objective		End Point	EP Closure
04.27.01	Comply with Regulations & Requirements	* ◆	Flush/drain chemical addition piping to minimize the residual material using existing equipment configuration. Ref: _____	BWHC: Signed BHI: Signed Date: 4/11/97 End Point Revision number: 0
04.27.02	Comply with Regulations & Requirements	* ◆	Verify identified requirements as defined in the Vessel Listing Table have been met. Ref: _____	BWHC: Signed BHI: Signed Date: 4/11/97 End Point Revision number: 0

B Plant End Points

221-B Cell 36 Vessels

Case: (6) System - Abandoned in Place

Task Type: (TT- 4) Waste				
Number	Objective		End Point	EP Closure
04.28.01	Comply with Regulations & Requirements	* ◆	Flush/drain chemical addition piping to minimize the residual material using existing equipment configuration. Ref: _____	BWHC: Signed BHI: Signed Date: 3/3/97 End Point Revision number: 0
04.28.02	Comply with Regulations & Requirements	* ◆	Verify identified requirements as defined in the Vessel Listing Table have been met. Ref: _____	BWHC: Signed BHI: Signed Date: 3/3/97 End Point Revision number: 0

B Plant End Points

221-B Cell 37 Vessels

Case: (6) System - Abandoned in Place

Task Type: (TT- 4) Waste				
Number	Objective		End Point	EP Closure
04.29.01	Comply with Regulations & Requirements	* ◆	Verify identified requirements as defined in the Vessel Listing Table have been met. Ref: _____	BWHC: Signed BHI: Signed Date: 4/11/97 End Point Revision number: 0
04.29.02	Comply with Regulations & Requirements	* ◆	Flush/drain chemical addition piping to minimize the residual material using existing equipment configuration. Ref: _____	BWHC: Signed BHI: Signed Date: 4/11/97 End Point Revision number: 0

B Plant End Points

221-B Cell 38 Vessels

Case: (6) System - Abandoned in Place

Task Type: (TT- 4) Waste				
Number	Objective		End Point	EP Closure
04.30.01	Comply with Regulations & Requirements	* ◆	Flush/drain chemical addition piping to minimize the residual material using existing equipment configuration. Ref: _____	BWHC: Signed BHI: Signed Date: 4/11/97 End Point Revision number: 0
04.30.02	Comply with Regulations & Requirements	* ◆	Verify identified requirements as defined in the Vessel Listing Table have been met. Ref: _____	BWHC: Signed BHI: Signed Date: 4/11/97 End Point Revision number: 0

B Plant End Points

221-B Cell 39 Vessels

Case: (6) System - Abandoned in Place

Task Type: (TT- 4) Waste				
Number	Objective		End Point	EP Closure
04.31.01	Comply with Regulations & Requirements	* ◆	Verify identified requirements as defined in the Vessel Listing Table have been met. Ref: _____	BWHC: BHI: Date: End Point Revision number: 0
04.31.02	Comply with Regulations & Requirements	* ◆	Flush/drain chemical addition piping to minimize the residual material using existing equipment configuration. Ref: _____	BWHC: BHI: Date: End Point Revision number: 0

B Plant End Points

221-B Cell 40

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 1) Hazards				
Number	Objective		End Point	EP Closure
04.47.10	Comply with Regulations & Requirements	A	Conduct confined space assessment and resolve any identified issues. Ref: _____	BWHC: BHI: Date: End Point Revision number: 2
04.47.11	Protect Public & Environment	*	Remove unattached combustible materials to reduce the fire hazard. Ref: _____	BWHC: BHI: Date: End Point Revision number: 2
04.47.12	Comply with Regulations & Requirements	A	Review remaining hazards and update the hazard communication program. Ref: _____	BWHC: BHI: Date: End Point Revision number: 2

B Plant End Points

221-B Cell 40

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 2) Radiation Fields				
Number	*Objective*		*End Point*	*EP Closure*
04.47.09	Comply with Regulations & Requirements	A	Post radiological conditions in accordance with Hanford Site Radiological Control Manual (HSRCM-1), Chapter 2, Rev 2 (Ref EPTI #4). *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 2

B Plant End Points

221-B Cell 40

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 3) Contamination				
Number	*Objective*		*End Point*	*EP Closure*
04.47.08	Comply with Regulations & Requirements	A	Post radiological conditions in accordance with Hanford Site Radiological Control Manual (HSRCM-1), Chapter 2, Rev 2 (Ref EPTI #4). *Ref:* _____ _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 2

221-B Cell 40

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 4) **Waste**				
Number	*Objective*		*End Point*	*EP Closure*
04.47.01	Facilitate Decommissioning	√	Housekeep and remove unattached material/equipment using the Reasonable Best Effort methodology. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 2
04.47.07	Comply with Regulations & Requirements	* ◆	Removed/disposed radioactive, dangerous, and mixed waste conducted in accordance with approved waste handling procedures. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 2

B Plant End Points

221-B Cell 40

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 5) Isolate & Contain				
Number	Objective		End Point	EP Closure
04.47.05	Facilitate S&M - Protect Workers - Reduce Cost	*	Place postings at entrances and lock doors to prevent unintentional/unauthorized access. Ref: _____	BWHC: BHI: Date: End Point Revision number: 2
04.47.06	Protect Public & Environment	*	Isolate seal door between cell 40 and WESF. Ref: _____	BWHC: BHI: Date: End Point Revision number: 2

B Plant End Points

221-B Cell 40

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 8) Document & Label				
Number	Objective		End Point	EP Closure
04.47.02	Comply with Regulations & Requirements	A ◆	Document space dose rates and contamination levels in the final radiological survey report and map per Hanford Site Radiological Control Manual (HSRCM-1), Chapter 5, Rev 2 (Ref EPTI #5) for inclusion in the turnover package. Ref: _____	BWHC: BHI: Date: End Point Revision number: 2
04.47.03	Comply with Regulations & Requirements	A ◆	Document amount and location of remaining hazardous substances/dangerous wastes. Ref: _____	BWHC: BHI: Date: End Point Revision number: 2
04.47.04	Facilitate Decommissioning	*	Turnover package items: Deactivation work plans/packages. Description/photos of Case 2 spaces. Ref: _____	BWHC: BHI: Date: End Point Revision number: 2

B Plant End Points

221-B Cell 5 Vessels

Case: (6) System - Abandoned in Place

Task Type: (TT- 4) Waste				
Number	Objective		End Point	EP Closure
04.32.01	Comply with Regulations & Requirements	* ◆	Flush/drain chemical addition piping to minimize the residual material using existing equipment configuration. Ref: _____	BWHC: BHI: Date: End Point Revision number: 0
04.32.02	Comply with Regulations & Requirements	* ◆	Verify identified requirements as defined in the Vessel Listing Table have been met. Ref: _____	BWHC: BHI: Date: End Point Revision number: 0

B Plant End Points

221-B Cell 6 Vessels

Case: (6) System - Abandoned in Place

Task Type: (TT- 4) Waste				
Number	Objective		End Point	EP Closure
04.33.01	Comply with Regulations & Requirements	* ◆	Verify identified requirements as defined in the Vessel Listing Table have been met. Ref: _____	BWHC: Signed BHI: Signed Date: 4/11/97 End Point Revision number: 0
04.33.02	Comply with Regulations & Requirements	* ◆	Flush/drain chemical addition piping to minimize the residual material using existing equipment configuration. Ref: _____	BWHC: Signed BHI: Signed Date: 4/11/97 End Point Revision number: 0

B Plant End Points

221-B Cell 7 Vessels

Case: (6) System - Abandoned in Place

Task Type: (TT- 4) Waste				
Number	Objective		End Point	EP Closure
04.34.01	Comply with Regulations & Requirements	* ◆	Verify identified requirements as defined in the Vessel Listing Table have been met. Ref: _____	BWHC: Signed BHI: Signed Date: 4/11/97 End Point Revision number: 0
04.34.02	Comply with Regulations & Requirements	* ◆	Flush/drain chemical addition piping to minimize the residual material using existing equipment configuration. Ref: _____	BWHC: Signed BHI: Signed Date: 4/11/97 End Point Revision number: 0

B Plant End Points

221-B Cell 8 Vessels

Case: (6) System - Abandoned in Place

Task Type: (TT- 4) **Waste**				
Number	*Objective*		*End Point*	*EP Closure*
04.35.01	Comply with Regulations & Requirements	* ◆	Flush/drain chemical addition piping to minimize the residual material using existing equipment configuration. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 4/11/97 *End Point Revision number:* 0
04.35.02	Comply with Regulations & Requirements	* ◆	Verify identified requirements as defined in the Vessel Listing Table have been met. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 4/11/97 *End Point Revision number:* 0

B Plant End Points

221-B Cell 9 Vessels

Case: (6) System - Abandoned in Place

Task Type: (TT- 4) Waste				
Number	Objective		End Point	EP Closure
04.36.01	Comply with Regulations & Requirements	* ◆	Flush/drain chemical addition piping to minimize the residual material using existing equipment configuration. Ref: _____	BWHC: BHI: Date: End Point Revision number: 0
04.36.02	Comply with Regulations & Requirements	* ◆	Verify identified requirements as defined in the Vessel Listing Table have been met. Ref: _____	BWHC: BHI: Date: End Point Revision number: 0

B Plant End Points

221-B Facility Exterior

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

Task Type: (TT- 1) Hazards				
Number	*Objective*		*End Point*	*EP Closure*
04.37.01	Protect Public & Environment	*	Remove unattached combustible materials to reduce the fire hazard. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0
04.37.02	Facilitate S&M - Protect Workers - Reduce Cost	*	A limited structural analysis will be conducted to verify structural integrity for a minimum of five (5) years. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0

221-B Facility Exterior

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

Task Type: (TT- 2) **Radiation Fields**				
Number	*Objective*		*End Point*	*EP Closure*
04.37.03	Comply with Regulations & Requirements	A	Post radiological conditions on R-doors in accordance with Hanford Site Radiological Control Manual (HSRCM-1), Chapter 2, Rev 2 (Ref EPTI #4). *Ref:* _____ _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0

B Plant End Points

221-B Facility Exterior

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

Task Type: (TT- 3) Contamination				
Number	Objective		End Point	EP Closure
04.37.04	Protect Public & Environment	*	Include survey requirements as part of the turnover package to verify containment of radioactive contamination. Ref: _____	BWHC: BHI: Date: End Point Revision number: 0
04.37.05	Facilitate S&M - Protect Workers - Reduce Cost	*	The general space removable contamination is below minimum posting levels except the east face of building is a CA. Ref: _____	BWHC: BHI: Date: End Point Revision number: 0
04.37.06	Facilitate S&M - Protect Workers - Reduce Cost	*	Remove/stabilize contamination between doors 5 and 7. Ref: _____	BWHC: BHI: Date: End Point Revision number: 0
04.37.07	Comply with Regulations & Requirements	A	Post radiological conditions for 221-B facility exterior, R-doors, and walls by R-doors 3,5,7,11,13,15,17 &19 in accordance with Hanford Site Radiological Control Manual (HSRCM-1), Chapter 2, Rev 2 (Ref EPTI #4). Ref: _____	BWHC: BHI: Date: End Point Revision number: 0

221-B Facility Exterior

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

Task Type: (TT- 4) **Waste**				
Number	*Objective*		*End Point*	*EP Closure*
04.37.08	Facilitate Decommissioning	√	Housekeep and remove unattached material/equipment using the Reasonable Best Effort methodology. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0
04.37.09	Comply with Regulations & Requirements	* ◆	Removed/disposed radioactive, dangerous, and mixed waste conducted in accordance with approved waste handling procedures. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0

B Plant End Points

221-B Facility Exterior

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

Task Type: (TT- 5) Isolate & Contain				
Number	Objective		End Point	EP Closure
04.37.10	Protect Public & Environment	*	Ensure expansion joints maintain facility containment. Ref: _____	BWHC: BHI: Date: End Point Revision number: 0
04.37.11	Protect Public & Environment	*	Secure/lock/seal R1, 3, 5, 7, 9, 11, 13, 15, and 17 canyon access doors. Ref: _____	BWHC: BHI: Date: End Point Revision number: 0
04.37.12	Protect Public & Environment	*	Isolate/seal potential pathways from the environment to protect from vermin intrusion. Ref: _____	BWHC: BHI: Date: End Point Revision number: 0
04.37.13	Facilitate S&M - Protect Workers - Reduce Cost	*	Place postings at entrances and lock doors to prevent unintentional/unauthorized access. Ref: _____	BWHC: BHI: Date: End Point Revision number: 0

B Plant End Points

221-B Facility Exterior

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

Task Type: (TT- 5) Isolate & Contain				
Number	*Objective*		*End Point*	*EP Closure*
04.37.14	Facilitate S&M - Protect Workers - Reduce Cost	*	Assess roof integrity for the prevention of in-leakage for a minimum of five (5) years. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 10/21/96 *End Point Revision number:* 0

B Plant End Points

221-B Facility Exterior

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

Task Type: (TT-7) Refurbish or Install				
Number	*Objective*		*End Point*	*EP Closure*
04.37.15	Facilitate S&M - Protect Workers - Reduce Cost	*	Refurbish facility as required by the structural and roof integrity studies. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0

B Plant End Points

221-B Facility Exterior

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

Task Type: (TT- 8) Document & Label				
Number	*Objective*		*End Point*	*EP Closure*
04.37.16	Facilitate S&M - Protect Workers - Reduce Cost	*	Verify ancillary building identifications are clearly posted on the exterior of the building. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0
04.37.17	Facilitate S&M - Protect Workers - Reduce Cost	*	Document identified area industrial hazards for inclusion in the turnover package. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0
4.37.18	Facilitate Decommissioning	*	Turnover package items: Deactivation work plans/packages. Roof Studies Structural Studies *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0
04.37.19	Comply with Regulations & Requirements	A ♦	Document amount and location of remaining hazardous substances/dangerous wastes. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0

B Plant End Points

221-B Facility Exterior

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

Task Type: (TT- 8) **Document & Label**				
Number	*Objective*		*End Point*	*EP Closure*
04.37.20	Comply with Regulations & Requirements	A ◆	Document space dose rates and contamination levels in the final radiological survey report and map per Hanford Site Radiological Control Manual (HSRCM-1), Chapter 5, Rev 2 (Ref EPTI #5) for inclusion in the turnover package. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0

B Plant End Points

221-B Operating Gallery Active Vessels

Case: (6) System - Abandoned in Place

Task Type: (TT-4) Waste				
Number	Objective		End Point	EP Closure
04.53.01	Comply with Regulations & Requirements	* ♦	Verify identified requirements as defined in the Vessel Listing Table have been met. Ref: _____	BWHC: BHI: Date: End Point Revision number: 2B
04.53.02	Comply with Regulations & Requirements	* ♦	Flush/drain chemical addition piping to minimize the residual material using existing equipment configuration. Ref: _____	BWHC: BHI: Date: End Point Revision number: 2B

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B Plant End Points

221-B RR Tunnel

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT-1) Hazards				
Number	Objective		End Point	EP Closure
04.38.01	Protect Public & Environment	*	Remove unattached combustible materials to reduce the fire hazard. Ref: _____	BWHC: BHI: Date: End Point Revision number: 0
04.38.02	Comply with Regulations & Requirements	A	Conduct asbestos assessment and contain friable material to eliminate personnel exposure. Ref: _____	BWHC: BHI: Date: End Point Revision number: 0

221-B RR Tunnel

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 2) **Radiation Fields**				
Number	*Objective*		*End Point*	*EP Closure*
04.38.03	Comply with Regulations & Requirements	A	Post radiological conditions in accordance with Hanford Site Radiological Control Manual (HSRCM-1), Chapter 2, Rev 2 (Ref EPTI #4). *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0

B Plant End Points

221-B RR Tunnel

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 3) **Contamination**				
Number	*Objective*		*End Point*	*EP Closure*
04.38.04	Comply with Regulations & Requirements	A	Post radiological conditions in accordance with Hanford Site Radiological Control Manual (HSRCM-1), Chapter 2, Rev 2 (Ref EPTI #4). *Ref:* _____ _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0

B Plant End Points

221-B RR Tunnel

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 4) Waste				
Number	Objective		End Point	EP Closure
04.38.05	Facilitate Decommissioning	√	Housekeep and remove unattached material/equipment using the Reasonable Best Effort methodology. Ref: _____	BWHC: BHI: Date: End Point Revision number: 0
04.38.06	Comply with Regulations & Requirements	* ◆	Remove emergency lantern batteries and fire extinguishers. Ref: _____	BWHC: BHI: Date: End Point Revision number: 0
04.38.07	Comply with Regulations & Requirements	* ◆	Removed/disposed radioactive, dangerous, and mixed waste conducted in accordance with approved waste handling procedures. Ref: _____	BWHC: BHI: Date: End Point Revision number: 0

B Plant End Points

221-B RR Tunnel

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 5) Isolate & Contain				
Number	Objective		End Point	EP Closure
04.38.08	Protect Public & Environment	*	Isolate/seal vertical door. Ref: _____	BWHC: BHI: Date: End Point Revision number: 0
04.38.09	Protect Public & Environment	*	Isolate/seal potential pathways to the environment to protect from vermin intrusion. Ref: _____	BWHC: BHI: Date: End Point Revision number: 0
4.38.10	Facilitate S&M - Protect Workers - Reduce Cost	*	Cap/plug/blank/isolate sample lines to 2904-EA. Ref: _____	BWHC: BHI: Date: End Point Revision number: 0
04.38.11	Facilitate S&M - Protect Workers - Reduce Cost	*	Place postings at entrances and lock doors to prevent unintentional/unauthorized access. Ref: _____	BWHC: BHI: Date: End Point Revision number: 0

B Plant End Points

221-B RR Tunnel

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 5) Isolate & Contain				
Number	Objective		End Point	EP Closure
04.38.12	Facilitate S&M - Protect Workers - Reduce Cost	*	Isolate/seal drain lines to TK-10-1. Ref: _____ _____	BWHC: BHI: Date: End Point Revision number: 0

B Plant End Points

221-B RR Tunnel

Case: (2) Internal Spaces, No Access Expected

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

B Plant End Points

221-B SWP Change Room Lobby

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT-1) Hazards				
Number	Objective		End Point	EP Closure
04.39.01	Protect Public & Environment	*	Remove unattached combustible materials to reduce the fire hazard. Ref: _____	BWHC: BHI: Date: End Point Revision number: 0
04.39.02	Comply with Regulations & Requirements	A	Conduct asbestos assessment and contain friable material to eliminate personnel exposure. Ref: _____	BWHC: BHI: Date: End Point Revision number: 0
04.39.03	Comply with Regulations & Requirements	A	Review remaining hazards and update the hazard communication program. Ref: _____	BWHC: BHI: Date: End Point Revision number: 0

221-B SWP Change Room Lobby

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 3) **Contamination**				
Number	*Objective*		*End Point*	*EP Closure*
04.39.04	Comply with Regulations & Requirements	A	Post radiological conditions in accordance with Hanford Site Radiological Control Manual (HSRCM-1), Chapter 2, Rev 2 (Ref EPTI #4). *Ref:* _____ _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0

B Plant End Points

221-B SWP Change Room Lobby

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 4) Waste				
Number	Objective		End Point	EP Closure
04.39.05	Facilitate Decommissioning	√	Remove cabinets. Ref: _____	BWHC: BHI: Date: End Point Revision number: 0
04.39.06	Facilitate Decommissioning	√	Housekeep and remove unattached material/equipment using the Reasonable Best Effort methodology. Ref: _____	BWHC: BHI: Date: End Point Revision number: 0
04.39.07	Comply with Regulations & Requirements	* ◆	Remove emergency lantern batteries and fire extinguishers. Ref: _____	BWHC: BHI: Date: End Point Revision number: 0

221-B SWP Change Room Lobby

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 5) **Isolate & Contain**				
Number	*Objective*		*End Point*	*EP Closure*
04.39.08	Protect Public & Environment	*	Isolate/seal potential pathways to the environment to protect from vermin intrusion. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0
04.39.09	Facilitate S&M - Protect Workers - Reduce Cost	*	Isolate decon room sink and shower drains. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0
)4.39.10	Facilitate S&M - Protect Workers - Reduce Cost	*	Isolate/plug floor drains. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0
04.39.11	Facilitate S&M - Protect Workers - Reduce Cost	*	Place postings at entrances and lock doors to prevent unintentional/unauthorized access. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0

B Plant End Points

221-B SWP Change Room Lobby

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 8) Document & Label				
Number	Objective		End Point	EP Closure
04.39.12	Facilitate Decommissioning	*	Turnover package items: Deactivation work plans/packages. Ref: _____	BWHC: BHI: Date: End Point Revision number: 0
04.39.13	Comply with Regulations & Requirements	A ◆	Document amount and location of remaining hazardous substances/dangerous wastes. Ref: _____	BWHC: BHI: Date: End Point Revision number: 0
04.39.14	Comply with Regulations & Requirements	A ◆	Document space dose rates and contamination levels in the final radiological survey report and map per Hanford Site Radiological Control Manual (HSRCM-1), Chapter 5, Rev 2 (Ref EPTI #5) for inclusion in the turnover package. Ref: _____	BWHC: BHI: Date: End Point Revision number: 0

221B-FP-F-22-9 A/Vessel Vent Filter Pits

Case: (2) Internal Spaces, No Access Expected

Task Type: (*TT-* 1) **Hazards**				
Number	*Objective*		*End Point*	*EP Closure*
04.40.01	Protect Public & Environment	*	Remove unattached combustible materials to reduce the fire hazard. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0
04.40.02	Comply with Regulations & Requirements	A	Conduct asbestos assessment and contain friable material to eliminate personnel exposure. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0
)4.40.03	Comply with Regulations & Requirements	A	Conduct confined space assessment and resolve any identified issues. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0

221B-FP-F-22-9 A/Vessel Vent Filter Pits

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 2) **Radiation Fields**				
Number	*Objective*		*End Point*	*EP Closure*
04.40.05	Comply with Regulations & Requirements	A	Post radiological conditions in accordance with Hanford Site Radiological Control Manual (HSRCM-1), Chapter 2, Rev 2 (Ref EPTI #4). *Ref:* _____ _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0

221B-FP-F-22-9 A/Vessel Vent Filter Pits

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 3) **Contamination**				
Number	*Objective*		*End Point*	*EP Closure*
04.40.04	Comply with Regulations & Requirements	A	Post radiological conditions in accordance with Hanford Site Radiological Control Manual (HSRCM-1), Chapter 2, Rev 2 (Ref EPTI #4). *Ref:* _____ _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0

221B-FP-F-22-9 A/Vessel Vent Filter Pits

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 4) **Waste**				
Number	*Objective*		*End Point*	*EP Closure*
04.40.06	Facilitate Decommissioning	√	Housekeep and remove unattached material/equipment using the Reasonable Best Effort methodology. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0
04.40.07	Comply with Regulations & Requirements	* ◆	Removed/disposed radioactive, dangerous, and mixed waste conducted in accordance with approved waste handling procedures. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0

221B-FP-F-22-9 A/Vessel Vent Filter Pits

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 5) **Isolate & Contain**				
Number	*Objective*		*End Point*	*EP Closure*
04.40.08	Protect Public & Environment	*	Isolate/seal cover to confined space pit. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0
04.40.09	Protect Public & Environment	*	Isolate/seal potential pathways to the environment to protect from vermin intrusion. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0
4.40.10	Facilitate S&M - Protect Workers - Reduce Cost	*	Place postings at entrances and lock doors to prevent unintentional/unauthorized access. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0

221B-FP-F-22-9 A/Vessel Vent Filter Pits

Case: (2) Internal Spaces, No Access Expected

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

221B-FP-F-22-9 A/Vessel Vent Filter Pits Vessels

Case: (6) System - Abandoned in Place

Task Type: (TT- 4) **Waste**				
Number	*Objective*		*End Point*	*EP Closure*
04.48.01	Comply with Regulations & Requirements	* ◆	Verify identified requirements as defined in the Vessel Listing Table have been met. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 2
04.48.02	Comply with Regulations & Requirements	* ◆	Flush/drain chemical addition piping to minimize the residual material using existing equipment configuration. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 2

221B-FP-F-22-9 B/Vessel Vent Filter Pits

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 1) **Hazards**				
Number	*Objective*		*End Point*	*EP Closure*
04.49.01	Protect Public & Environment	*	Remove unattached combustible materials to reduce the fire hazard. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 2
04.49.02	Comply with Regulations & Requirements	A	Conduct asbestos assessment and contain friable material to eliminate personnel exposure. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 2
04.49.03	Comply with Regulations & Requirements	A	Conduct confined space assessment and resolve any identified issues. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 2

221B-FP-F-22-9 B/Vessel Vent Filter Pits

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 2) **Radiation Fields**				
Number	*Objective*		*End Point*	*EP Closure*
04.49.05	Facilitate Decommissioning	√	Post radiological conditions in accordance with Hanford Site Radiological Control Manual (HSRCM-1), Chapter 2, Rev 2 (Ref EPTI #4). *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 2

221B-FP-F-22-9 B/Vessel Vent Filter Pits

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 3) **Contamination**				
Number	*Objective*		*End Point*	*EP Closure*
04.49.04	Facilitate Decommissioning	√	Post radiological conditions in accordance with Hanford Site Radiological Control Manual (HSRCM-1), Chapter 2, Rev 2 (Ref EPTI #4). *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 2

221B-FP-F-22-9 B/Vessel Vent Filter Pits

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 4) **Waste**				
Number	*Objective*		*End Point*	*EP Closure*
04.49.06	Facilitate Decommissioning	√	Housekeep and remove unattached material/equipment using the Reasonable Best Effort methodology. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 2
04.49.07	Comply with Regulations & Requirements	* ◆	Removed/disposed radioactive, dangerous, and mixed waste conducted in accordance with approved waste handling procedures. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 2

221B-FP-F-22-9 B/Vessel Vent Filter Pits

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 5) **Isolate & Contain**				
Number	*Objective*		*End Point*	*EP Closure*
04.49.08	Protect Public & Environment	*	Isolate/seal cover to confined space pit. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 2
04.49.09	Protect Public & Environment	*	Isolate/seal potential pathways to the environment to protect from vermin intrusion. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 2
04.49.10	Facilitate S&M - Protect Workers - Reduce Cost	*	Place postings at entrances and lock doors to prevent unintentional/unauthorized access. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 2

221B-FP-F-22-9 B/Vessel Vent Filter Pits

Case: (2) Internal Spaces, No Access Expected

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

221B-FP-F-22-9 B/Vessel Vent Filter Pits Vessels

Case: (6) System - Abandoned in Place

Task Type: (TT- 4) **Waste**				
Number	*Objective*		*End Point*	*EP Closure*
04.50.01	Comply with Regulations & Requirements	* ◆	Verify identified requirements as defined in the Vessel Listing Table have been met. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 2
04.50.02	Comply with Regulations & Requirements	* ◆	Flush/drain chemical addition piping to minimize the residual material using existing equipment configuration. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 2

221B-FP-F-22-9 C/Vessel Vent Filter Pits

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 1) **Hazards**				
Number	*Objective*		*End Point*	*EP Closure*
04.51.01	Protect Public & Environment	*	Remove unattached combustible materials to reduce the fire hazard. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 2
04.51.02	Comply with Regulations & Requirements	A	Conduct asbestos assessment and contain friable material to eliminate personnel exposure. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 2
04.51.03	Comply with Regulations & Requirements	A	Conduct confined space assessment and resolve any identified issues. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 2

221B-FP-F-22-9 C/Vessel Vent Filter Pits

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 2) **Radiation Fields**				
Number	*Objective*		*End Point*	*EP Closure*
04.51.05	Comply with Regulations & Requirements	A	Post radiological conditions in accordance with Hanford Site Radiological Control Manual (HSRCM-1), Chapter 2, Rev 2 (Ref EPTI #4). *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 2

221B-FP-F-22-9 C/Vessel Vent Filter Pits

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 3) **Contamination**				
Number	*Objective*		*End Point*	*EP Closure*
04.51.04	Comply with Regulations & Requirements	A	Post radiological conditions in accordance with Hanford Site Radiological Control Manual (HSRCM-1), Chapter 2, Rev 2 (Ref EPTI #4). *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 2

221B-FP-F-22-9 C/Vessel Vent Filter Pits

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 4) **Waste**				
Number	*Objective*		*End Point*	*EP Closure*
04.51.06	Facilitate Decommissioning	√	Housekeep and remove unattached material/equipment using the Reasonable Best Effort methodology. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 2
04.51.07	Comply with Regulations & Requirements	* ◆	Removed/disposed radioactive, dangerous, and mixed waste conducted in accordance with approved waste handling procedures. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 2

221B-FP-F-22-9 C/Vessel Vent Filter Pits

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 5) **Isolate & Contain**				
Number	*Objective*		*End Point*	*EP Closure*
04.51.08	Protect Public & Environment	*	Isolate/seal cover to confined space pit. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 2
04.51.09	Protect Public & Environment	*	Isolate/seal potential pathways to the environment to protect from vermin intrusion. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 2
4.51.10	Facilitate S&M - Protect Workers - Reduce Cost	*	Place postings at entrances and lock doors to prevent unintentional/unauthorized access. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 2

221B-FP-F-22-9 C/Vessel Vent Filter Pits

Case: (2) Internal Spaces, No Access Expected

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

221B-FP-F-22-9 C/Vessel Vent Filter Pits Vessels

Case: (6) System - Abandoned in Place

Task Type: (TT- 4) **Waste**				
Number	*Objective*		*End Point*	*EP Closure*
04.52.01	Comply with Regulations & Requirements	* ◆	Verify identified requirements as defined in the Vessel Listing Table have been met. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 2
04.52.02	Comply with Regulations & Requirements	* ◆	Flush/drain chemical addition piping to minimize the residual material using existing equipment configuration. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 2

221B-SMP-R/Inactive Utility Pit

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT-1) **Hazards**				
Number	*Objective*		*End Point*	*EP Closure*
04.41.01	Protect Public & Environment	*	Remove unattached combustible materials to reduce the fire hazard. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 9/30/97 *End Point Revision number:* 0
04.41.02	Comply with Regulations & Requirements	A	Conduct asbestos assessment and contain friable material to eliminate personnel exposure. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 10/13/97 *End Point Revision number:* 0
04.41.03	Comply with Regulations & Requirements	A	Conduct confined space assessment and resolve any identified issues. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 10/13/97 *End Point Revision number:* 0

B Plant End Points

221B-SMP-R/Inactive Utility Pit

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 2) **Radiation Fields**				
Number	*Objective*		*End Point*	*EP Closure*
04.41.05	Comply with Regulations & Requirements	A	Post radiological conditions in accordance with Hanford Site Radiological Control Manual (HSRCM-1), Chapter 2, Rev 2 (Ref EPTI #4). *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 9/16/97 *End Point Revision number:* 0

B Plant End Points

221B-SMP-R/Inactive Utility Pit

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 3) Contamination				
Number	Objective		End Point	EP Closure
04.41.04	Comply with Regulations & Requirements	A	Post radiological conditions in accordance with Hanford Site Radiological Control Manual (HSRCM-1), Chapter 2, Rev 2 (Ref EPTI #4). Ref: _____	BWHC: Signed BHI: Signed Date: 9/16/97 End Point Revision number: 0

221B-SMP-R/Inactive Utility Pit

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 4) **Waste**				
Number	*Objective*		*End Point*	*EP Closure*
04.41.06	Facilitate Decommissioning	√	Housekeep and remove unattached material/equipment using the Reasonable Best Effort methodology. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 9/30/97 *End Point Revision number:* 0
04.41.07	Comply with Regulations & Requirements	* ◆	Removed/disposed radioactive, dangerous, and mixed waste conducted in accordance with approved waste handling procedures. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 10/10/97 *End Point Revision number:* 0

B Plant End Points

221B-SMP-R/Inactive Utility Pit

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 5) Isolate & Contain				
Number	Objective		End Point	EP Closure
04.41.08	Protect Public & Environment	*	Isolate/seal cover to confined space pit. Ref:	BWHC: Signed BHI: Signed Date: 9/30/97 End Point Revision number: 0
04.41.09	Protect Public & Environment	*	Isolate/seal potential pathways to the environment to protect from vermin intrusion. Ref:	BWHC: Signed BHI: Signed Date: 9/30/97 End Point Revision number: 0
04.41.10	Facilitate S&M - Protect Workers - Reduce Cost	*	Place postings at entrances and lock doors to prevent unintentional/unauthorized access. Ref:	BWHC: Signed BHI: Signed Date: 9/30/97 End Point Revision number: 0

B Plant End Points

221B-SMP-R/Inactive Utility Pit

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 8) Document & Label				
Number	Objective		End Point	EP Closure
04.41.11	Facilitate Decommissioning	*	Turnover package items: Deactivation work plans/packages. Description/photos of Case 2 spaces. Ref:	BWHC: Signed BHI: Signed Date: 10/20/97 End Point Revision number: 0
04.41.12	Facilitate Decommissioning	*	Document identified area industrial hazards for inclusion in the turnover package. Ref:	BWHC: Signed BHI: Signed Date: 10/13/97 End Point Revision number: 0
4.41.13	Comply with Regulations & Requirements	A ◆	Document amount and location of remaining hazardous substances/dangerous wastes. Ref:	BWHC: Signed BHI: Signed Date: 10/13/97 End Point Revision number: 0
04.41.14	Comply with Regulations & Requirements	A ◆	Document space dose rates and contamination levels in the final radiological survey report and map per Hanford Site Radiological Control Manual (HSRCM-1), Chapter 5, Rev 2 (Ref EPTI #5) for inclusion in the turnover package. Ref:	BWHC: Signed BHI: Signed Date: 9/16/97 End Point Revision number: 0

221BB-VP-01/Never Used Steam Condensate Pit

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 1) **Hazards**				
Number	*Objective*		*End Point*	*EP Closure*
04.42.01	Protect Public & Environment	*	Remove unattached combustible materials to reduce the fire hazard. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 7/9/97 *End Point Revision number:* 0
04.42.02	Comply with Regulations & Requirements	A	Conduct confined space assessment and resolve any identified issues. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 7/16/97 *End Point Revision number:* 0
04.42.03	Comply with Regulations & Requirements	A	Conduct asbestos assessment and contain friable material to eliminate personnel exposure. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 7/16/97 *End Point Revision number:* 0

221BB-VP-01/Never Used Steam Condensate Pit

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 2) **Radiation Fields**				
Number	*Objective*		*End Point*	*EP Closure*
04.42.05	Comply with Regulations & Requirements	A	Post radiological conditions in accordance with Hanford Site Radiological Control Manual (HSRCM-1), Chapter 2, Rev 2 (Ref EPTI #4). *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 8/14/97 *End Point Revision number:* 0

221BB-VP-01/Never Used Steam Condensate Pit

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 3) **Contamination**				
Number	*Objective*		*End Point*	*EP Closure*
04.42.04	Comply with Regulations & Requirements	A	Post radiological conditions in accordance with Hanford Site Radiological Control Manual (HSRCM-1), Chapter 2, Rev 2 (Ref EPTI #4). *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 8/14/97 *End Point Revision number:* 0

221BB-VP-01/Never Used Steam Condensate Pit

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 4) **Waste**				
Number	*Objective*		*End Point*	*EP Closure*
04.42.06	Facilitate Decommissioning	√	Housekeep and remove unattached material/equipment using the Reasonable Best Effort methodology. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 7/9/97 *End Point Revision number:* 0
04.42.07	Comply with Regulations & Requirements	* ◆	Removed/disposed radioactive, dangerous, and mixed waste conducted in accordance with approved waste handling procedures. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 7/30/97 *End Point Revision number:* 0

221BB-VP-01/Never Used Steam Condensate Pit

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 5) **Isolate & Contain**				
Number	*Objective*		*End Point*	*EP Closure*
04.42.08	Protect Public & Environment	*	Isolate/seal cover to confined space pit. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 7/30/97 *End Point Revision number:* 0
04.42.09	Protect Public & Environment	*	Isolate/seal potential pathways to the environment to protect from vermin intrusion. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 7/30/97 *End Point Revision number:* 0
04.42.10	Facilitate S&M - Protect Workers - Reduce Cost	*	Place postings at entrances and lock doors to prevent unintentional/unauthorized access. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 7/30/97 *End Point Revision number:* 0

221BB-VP-01/Never Used Steam Condensate Pit

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 8) **Document & Label**				
Number	*Objective*		*End Point*	*EP Closure*
04.42.11	Facilitate Decommissioning	*	Document identified area industrial hazards for inclusion in the turnover package. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 7/16/97 *End Point Revision number:* 0
04.42.12	Facilitate Decommissioning	*	Turnover package items: Deactivation work plans/packages. Description/photos of Case 2 spaces. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 8/14/97 *End Point Revision number:* 0
04.42.13	Comply with Regulations & Requirements	A ◆	Document space dose rates and contamination levels in the final radiological survey report and map per Hanford Site Radiological Control Manual (HSRCM-1), Chapter 5, Rev 2 (Ref EPTI #5) for inclusion in the turnover package. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 8/14/97 *End Point Revision number:* 0
04.42.14	Comply with Regulations & Requirements	A ◆	Document amount and location of remaining hazardous substances/dangerous wastes. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 7/16/97 *End Point Revision number:* 0

B Plant End Points

221BC-VP-01/Inactive Utility Pit

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT-1) Hazards				
Number	Objective		End Point	EP Closure
04.43.01	Protect Public & Environment	*	Remove unattached combustible materials to reduce the fire hazard. Ref:	BWHC: Signed BHI: Signed Date: 8/18/97 End Point Revision number: 0
04.43.02	Comply with Regulations & Requirements	A	Conduct confined space assessment and resolve any identified issues. Ref:	BWHC: Signed BHI: Signed Date: 10/13/97 End Point Revision number: 0
04.43.03	Comply with Regulations & Requirements	A	Conduct asbestos assessment and contain friable material to eliminate personnel exposure. Ref:	BWHC: Signed BHI: Signed Date: 10/13/97 End Point Revision number: 0

B Plant End Points

221BC-VP-01/Inactive Utility Pit

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 2) **Radiation Fields**				
Number	*Objective*		*End Point*	*EP Closure*
04.43.04	Comply with Regulations & Requirements	A	Post radiological conditions in accordance with Hanford Site Radiological Control Manual (HSRCM-1), Chapter 2, Rev 2 (Ref EPTI #4). *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 8/29/97 *End Point Revision number:* 0

B Plant End Points

221BC-VP-01/Inactive Utility Pit

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 3) **Contamination**				
Number	*Objective*		*End Point*	*EP Closure*
04.43.05	Comply with Regulations & Requirements	A	Post radiological conditions in accordance with Hanford Site Radiological Control Manual (HSRCM-1), Chapter 2, Rev 2 (Ref EPTI #4). *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 8/29/97 *End Point Revision number:* 0

B Plant End Points

221BC-VP-01/Inactive Utility Pit

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 4) Waste				
Number	Objective		End Point	EP Closure
04.43.06	Facilitate Decommissioning	√	Housekeep and remove unattached material/equipment using the Reasonable Best Effort methodology. Ref: _____	BWHC: Signed BHI: Signed Date: 8/18/97 End Point Revision number: 0
04.43.07	Comply with Regulations & Requirements	* ◆	Removed/disposed radioactive, dangerous, and mixed waste conducted in accordance with approved waste handling procedures. Ref: _____	BWHC: Signed BHI: Signed Date: 8/29/97 End Point Revision number: 0

B Plant End Points

221BC-VP-01/Inactive Utility Pit

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 5) Isolate & Contain				
Number	Objective		End Point	EP Closure
04.43.08	Protect Public & Environment	*	Isolate/seal cover to confined space pit. Ref:	BWHC: Signed BHI: Signed Date: 9/30/97 End Point Revision number: 0
04.43.09	Protect Public & Environment	*	Isolate/seal potential pathways to the environment to protect from vermin intrusion. Ref:	BWHC: Signed BHI: Signed Date: 8/18/97 End Point Revision number: 0
04.43.10	Facilitate S&M - Protect Workers - Reduce Cost	*	Place postings at entrances and lock doors to prevent unintentional/unauthorized access. Ref:	BWHC: Signed BHI: Signed Date: 9/30/97 End Point Revision number: 0

B Plant End Points

221BC-VP-01/Inactive Utility Pit

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 8) Document & Label				
Number	Objective		End Point	EP Closure
04.43.11	Facilitate Decommissioning	*	Document identified area industrial hazards for inclusion in the turnover package. Ref:	BWHC: Signed BHI: Signed Date: 10/13/97 End Point Revision number: 0
04.43.12	Facilitate Decommissioning	*	Turnover package items: Deactivation work plans/packages. Description/photos of Case 2 spaces. Ref:	BWHC: Signed BHI: Signed Date: 10/20/97 End Point Revision number: 0
4.43.13	Comply with Regulations & Requirements	A ◆	Document space dose rates and contamination levels in the final radiological survey report and map per Hanford Site Radiological Control Manual (HSRCM-1), Chapter 5, Rev 2 (Ref EPTI #5) for inclusion in the turnover package. Ref:	BWHC: Signed BHI: Signed Date: 8/29/97 End Point Revision number: 0
04.43.14	Comply with Regulations & Requirements	A ◆	Document amount and location of remaining hazardous substances/dangerous wastes. Ref:	BWHC: Signed BHI: Signed Date: 10/13/97 End Point Revision number: 0

B Plant End Points

221BC-VP-02/Inactive Utility Pit

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 1) Hazards				
Number	Objective		End Point	EP Closure
04.44.01	Protect Public & Environment	*	Remove unattached combustible materials to reduce the fire hazard. Ref:	BWHC: Signed BHI: Signed Date: 9/30/97 End Point Revision number: 0
04.44.02	Comply with Regulations & Requirements	A	Conduct confined space assessment and resolve any identified issues. Ref:	BWHC: Signed BHI: Signed Date: 10/13/97 End Point Revision number: 0
04.44.03	Comply with Regulations & Requirements	A	Conduct asbestos assessment and contain friable material to eliminate personnel exposure. Ref:	BWHC: Signed BHI: Signed Date: 10/13/97 End Point Revision number: 0

221BC-VP-02/Inactive Utility Pit

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 2) **Radiation Fields**				
Number	*Objective*		*End Point*	*EP Closure*
04.44.05	Comply with Regulations & Requirements	A	Post radiological conditions in accordance with Hanford Site Radiological Control Manual (HSRCM-1), Chapter 2, Rev 2 (Ref EPTI #4). *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 10/22/97 *End Point Revision number:* 0

B Plant End Points

221BC-VP-02/Inactive Utility Pit

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 3) **Contamination**				
Number	*Objective*		*End Point*	*EP Closure*
04.44.04	Comply with Regulations & Requirements	A	Post radiological conditions in accordance with Hanford Site Radiological Control Manual (HSRCM-1), Chapter 2, Rev 2 (Ref EPTI #4). *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 10/22/97 *End Point Revision number:* 0

B Plant End Points

221BC-VP-02/Inactive Utility Pit

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 4) Waste				
Number	Objective		End Point	EP Closure
04.44.06	Facilitate Decommissioning	√	Housekeep and remove unattached material/equipment using the Reasonable Best Effort methodology. Ref: _____	BWHC: Signed BHI: Signed Date: 9/30/97 End Point Revision number: 0
04.44.07	Comply with Regulations & Requirements	* ◆	Removed/disposed radioactive, dangerous, and mixed waste conducted in accordance with approved waste handling procedures. Ref: _____	BWHC: Signed BHI: Signed Date: 10/10/97 End Point Revision number: 0

B Plant End Points

221BC-VP-02/Inactive Utility Pit

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 5) Isolate & Contain				
Number	Objective		End Point	EP Closure
04.44.08	Protect Public & Environment	*	Isolate/seal cover to confined space pit. Ref:	BWHC: Signed BHI: Signed Date: 10/20/97 End Point Revision number: 0
04.44.09	Protect Public & Environment	*	Isolate/seal potential pathways to the environment to protect from vermin intrusion. Ref:	BWHC: Signed BHI: Signed Date: 9/30/97 End Point Revision number: 0
04.44.10	Facilitate S&M - Protect Workers - Reduce Cost	*	Place postings at entrances and lock doors to prevent unintentional/unauthorized access. Ref:	BWHC: Signed BHI: Signed Date: 10/10/97 End Point Revision number: 0

B Plant End Points

221BC-VP-02/Inactive Utility Pit

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 8) **Document & Label**				
Number	*Objective*		*End Point*	*EP Closure*
04.44.11	Facilitate Decommissioning	*	Turnover package items: Deactivation work plans/packages. Description/photos of Case 2 spaces. *Ref:*	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0
04.44.12	Facilitate Decommissioning	*	Document identified area industrial hazards for inclusion in the turnover package. *Ref:*	*BWHC:* Signed *BHI:* Signed *Date:* 10/13/97 *End Point Revision number:* 0
4.44.13	Comply with Regulations & Requirements	A ◆	Document space dose rates and contamination levels in the final radiological survey report and map per Hanford Site Radiological Control Manual (HSRCM-1), Chapter 5, Rev 2 (Ref EPTI #5) for inclusion in the turnover package. *Ref:*	*BWHC:* Signed *BHI:* Signed *Date:* 10/22/97 *End Point Revision number:* 0
04.44.14	Comply with Regulations & Requirements	A ◆	Document amount and location of remaining hazardous substances/dangerous wastes. *Ref:*	*BWHC:* Signed *BHI:* Signed *Date:* 10/13/97 *End Point Revision number:* 0

Vessel Vent System in 221B-FP-F-22-9A&B

Case: (6) System - Abandoned in Place

Task Type: (TT- 5) **Isolate & Contain**				
Number	*Objective*		*End Point*	*EP Closure*
04.45.01	Facilitate S&M - Protect Workers - Reduce Cost	*	Isolate/seal sample line. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0
04.45.02	Facilitate S&M - Protect Workers - Reduce Cost	*	Remove HEPA filter(s) & isolate vessel vent line. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0

B Plant End Points

Vessel Vent System in 221B-FP-F-22-9A&B

Case: (6) System - Abandoned in Place

Task Type: (TT- 8) **Document & Label**				
Number	*Objective*		*End Point*	*EP Closure*
04.45.03	Facilitate S&M - Protect Workers - Reduce Cost	*	Label Abandoned in Place system. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0
04.45.04	Facilitate Decommissioning	*	Turnover package items: Deactivation work plans/packages. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0
)4.45.05	Comply with Regulations & Requirements	A ◆	Document amount and location of remaining hazardous substances/dangerous wastes. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0

B Plant End Points

WESF Isolation

Case: (6) System - Abandoned in Place

Task Type: (TT- 5) **Isolate & Contain**				
Number	*Objective*		*End Point*	*EP Closure*
04.46.01	Facilitate S&M - Protect Workers - Reduce Cost	*	Isolate/blank/seal lines H-309 (Nitric Acid), H-310 (Sodium Hydroxide), 111 (Demin Water), 620 (Sanitary Water), and 810 (Instrument Air) leading to WESF. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0
04.46.02	Facilitate S&M - Protect Workers - Reduce Cost	*	Install blank connectors on wall nozzles 220, 219, 247, 215, 214, and 209 in process cell 39 leading to WESF. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0
04.46.03	Facilitate S&M - Protect Workers - Reduce Cost	*	Isolate/seal fire door #232 from B-Plant operating gallery to WESF. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0

221-B Operating Gallery

AREA ACCEPTANCE	
BHI DATE	BWHC DATE
BHI DATE	

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B Plant End Points

221-B Operating Gallery

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 1) Hazards				
Number	Objective		End Point	EP Closure
05.01.01	Protect Public & Environment	*	Remove unattached combustible materials to reduce the fire hazard. Ref:	BWHC: BHI: Date: End Point Revision number: 0
05.01.02	Comply with Regulations & Requirements	A	Conduct asbestos assessment and contain friable material to eliminate personnel exposure. Ref:	BWHC: BHI: Date: End Point Revision number: 0
5.01.03	Comply with Regulations & Requirements	A	Review remaining hazards and update the hazard communication program. Ref:	BWHC: BHI: Date: End Point Revision number: 0
05.01.15	Comply with Regulations & Requirements	A	Conduct confined space assessment and resolve any identified issues. Ref:	BWHC: BHI: Date: End Point Revision number: 1

B Plant End Points

221-B Operating Gallery

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 3) **Contamination**				
Number	*Objective*		*End Point*	*EP Closure*
05.01.04	Comply with Regulations & Requirements	A	Post radiological conditions in accordance with Hanford Site Radiological Control Manual (HSRCM-1), Chapter 2, Rev 2 (Ref EPTI #4). *Ref:* _____ _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0

B Plant End Points

221-B Operating Gallery

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 4) Waste				
Number	Objective		End Point	EP Closure
05.01.05	Facilitate Decommissioning	√	Housekeep and remove unattached material/equipment using the Reasonable Best Effort methodology. Ref: _____	BWHC: BHI: Date: End Point Revision number: 0
05.01.06	Comply with Regulations & Requirements	* ◆	Remove emergency lantern batteries and fire extinguishers. Ref: _____	BWHC: BHI: Date: End Point Revision number: 0
05.01.07	Comply with Regulations & Requirements	* ◆	Removed/disposed radioactive, dangerous, and mixed waste conducted in accordance with approved waste handling procedures. Ref: _____	BWHC: BHI: Date: End Point Revision number: 0

B Plant End Points

221-B Operating Gallery

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 5) Isolate & Contain				
Number	Objective		End Point	EP Closure
05.01.08	Protect Public & Environment	*	Isolate/seal potential pathways to the environment to protect from vermin intrusion. Ref:	BWHC: BHI: Date: End Point Revision number: 0
05.01.09	Facilitate S&M - Protect Workers - Reduce Cost	*	Place postings at entrances and lock doors to prevent unintentional/unauthorized access. Ref:	BWHC: BHI: Date: End Point Revision number: 0
05.01.10	Facilitate S&M - Protect Workers - Reduce Cost	*	Isolate/plug floor drains. Ref:	BWHC: BHI: Date: End Point Revision number: 0

B Plant End Points

221-B Operating Gallery

Case: (2) Internal Spaces, No Access Expected

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

221-B Operating Gallery List A Vessels

Case: (6) System - Abandoned in Place

Task Type: (TT- 4) **Waste**				
Number	*Objective*		*End Point*	*EP Closure*
05.02.01	Comply with Regulations & Requirements	* ◆	Flush/drain chemical addition piping to minimize the residual material using existing equipment configuration. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 7/30/97 *End Point Revision number:* 0
05.02.02	Comply with Regulations & Requirements	* ◆	Verify identified requirements as defined in the Vessel Listing Table have been met. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 7/30/97 *End Point Revision number:* 0

B Plant End Points

221-B Operating Gallery List B Vessels

Case: (6) System - Abandoned in Place

Task Type: (TT-4) Waste				
Number	Objective		End Point	EP Closure
05.03.01	Comply with Regulations & Requirements	* ◆	END POINT DELETED Ref: _____	BWHC: BHI: Date: End Point Revision number: 2B
05.03.02	Comply with Regulations & Requirements	* ◆	END POINT DELETED Ref: _____	BWHC: BHI: Date: End Point Revision number: 2B

B Plant End Points

221-B Operating Gallery Systems

Case: (6) System - Abandoned in Place

Task Type: (TT-1) Hazards				
Number	Objective		End Point	EP Closure
05.04.01	Facilitate S&M - Protect Workers - Reduce Cost	*	Drain liquids and remove unattached equipment using Good Management Practices. Ref: _____	BWHC: BHI: Date: End Point Revision number: 0

B Plant End Points

221-B Operating Gallery Systems

Case: (6) System - Abandoned in Place

Task Type: (TT- 5) **Isolate & Contain**				
Number	*Objective*		*End Point*	*EP Closure*
05.04.02	Protect Public & Environment	*	Isolate scale tank vessel vent systems to/from the environment. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0
05.04.03	Protect Public & Environment	*	Isolate piping to canyon (ie close valves). *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0

221-B Operating Gallery Systems

Case: (6) System - Abandoned in Place

Task Type: (TT- 8) **Document & Label**				
Number	*Objective*		*End Point*	*EP Closure*
05.04.04	Facilitate S&M - Protect Workers - Reduce Cost	*	Label Abandoned in Place system. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0
05.04.05	Facilitate Decommissioning	*	Turnover package items: Deactivation work plans/packages. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0
05.04.06	Comply with Regulations & Requirements	A ♦	Document amount and location of remaining hazardous substances/dangerous wastes. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0

221-B Pipe Gallery

AREA ACCEPTANCE	
BHI DATE	BWHC DATE
BHI DATE	

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B Plant End Points

221-B Pipe Gallery

Case: (1) Internal Spaces, Routine Access Required

Task Type: (TT-1) Hazards				
Number	Objective		End Point	EP Closure
06.01.01	Protect Public & Environment	*	Remove unattached combustible materials to reduce the fire hazard. Ref:	BWHC: BHI: Date: End Point Revision number: 0
06.01.02	Comply with Regulations & Requirements	A	Conduct asbestos assessment and contain friable material to eliminate personnel exposure. Ref:	BWHC: BHI: Date: End Point Revision number: 0
6.01.03	Comply with Regulations & Requirements	A	Review remaining hazards and update the hazard communication program. Ref:	BWHC: BHI: Date: End Point Revision number: 0
06.01.14	Comply with Regulations & Requirements	A	Conduct confined space assessment and resolve any identified issues. Ref:	BWHC: BHI: Date: End Point Revision number: 1

B Plant End Points

221-B Pipe Gallery

Case: (1) Internal Spaces, Routine Access Required

Task Type: (TT- 3) Contamination				
Number	*Objective*		*End Point*	*EP Closure*
06.01.04	Facilitate S&M - Protect Workers - Reduce Cost	*	The general space dose rate meets the definition of an RBA as defined in Hanford Site Radiological Control Manual (HSRCM-1), Chapter 2, Rev 2. Potential for contamination above 6 feet exists. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0
06.01.05	Comply with Regulations & Requirements	A	Post radiological conditions in accordance with Hanford Site Radiological Control Manual (HSRCM-1), Chapter 2, Rev 2 (Ref EPTI #4). *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0

B Plant End Points

221-B Pipe Gallery

Case: (1) Internal Spaces, Routine Access Required

Task Type: (TT- 4) Waste				
Number	Objective		End Point	EP Closure
06.01.06	Comply with Regulations & Requirements	* ◆	Removed/disposed radioactive, dangerous, and mixed waste conducted in accordance with approved waste handling procedures. Ref: _____	BWHC: BHI: Date: End Point Revision number: 0
06.01.07	Comply with Regulations & Requirements	* ◆	Remove emergency lantern batteries and fire extinguishers. Ref: _____	BWHC: BHI: Date: End Point Revision number: 0

B Plant End Points

221-B Pipe Gallery

Case: (1) Internal Spaces, Routine Access Required

Task Type: (TT- 5) **Isolate & Contain**				
Number	*Objective*		*End Point*	*EP Closure*
06.01.08	Facilitate S&M - Protect Workers - Reduce Cost	√	Isolate/seal access doors not utilized during routine surveillance. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0
06.01.09	Facilitate S&M - Protect Workers - Reduce Cost	√	Isolate/plug floor drains to minimize potential contamination migration. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0

B Plant End Points

221-B Pipe Gallery

Case: (1) Internal Spaces, Routine Access Required

Task Type: (TT- 8) Document & Label				
Number	Objective		End Point	EP Closure
06.01.10	Facilitate S&M - Protect Workers - Reduce Cost	*	Document identified area industrial hazards for inclusion in the turnover package. Ref: _____	BWHC: BHI: Date: End Point Revision number: 0
06.01.11	Facilitate Decommissioning	*	Turnover package items: Deactivation work plans/packages. Ref: _____	BWHC: BHI: Date: End Point Revision number: 0
06.01.12	Comply with Regulations & Requirements	A ◆	Document space dose rates and contamination levels in the final radiological survey report and map per Hanford Site Radiological Control Manual (HSRCM-1), Chapter 5, Rev 2 (Ref EPTI #5) for inclusion in the turnover package. Ref: _____	BWHC: BHI: Date: End Point Revision number: 0
06.01.13	Comply with Regulations & Requirements	A ◆	Document amount and location of remaining hazardous substances/dangerous wastes. Ref: _____	BWHC: BHI: Date: End Point Revision number: 0

B Plant End Points

221-B Pipe Gallery System

Case: (6) System - Abandoned in Place

Task Type: (TT- 5) Isolate & Contain				
Number	Objective		End Point	EP Closure
06.02.01	Protect Public & Environment	*	Isolate/seal 296-B-25 Pipe Gallery exhauster. Ref: _____	BWHC: BHI: Date: End Point Revision number: 0
06.02.02	Protect Public & Environment	*	Isolate/seal 296-B-21 Pipe Gallery exhauster. Ref: _____	BWHC: BHI: Date: End Point Revision number: 0
06.02.03	Protect Public & Environment	*	Isolate/seal 296-B-22 Pipe Gallery exhauster. Ref: _____	BWHC: BHI: Date: End Point Revision number: 0
06.02.04	Protect Public & Environment	*	Isolate/seal 296-B-23 Pipe Gallery exhauster. Ref: _____	BWHC: BHI: Date: End Point Revision number: 0

B Plant End Points

221-B Pipe Gallery System

Case: (6) System - Abandoned in Place

Task Type: (TT- 5) **Isolate & Contain**				
Number	*Objective*		*End Point*	*EP Closure*
06.02.05	Protect Public & Environment	*	Isolate/seal 296-B-24 Pipe Gallery exhauster. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0
06.02.06	Protect Public & Environment	*	Isolate/seal 296-B-26 Pipe Gallery exhauster. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0
6.02.07	Protect Public & Environment	*	Isolate/seal 296-B-27 Pipe Gallery exhauster. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0
06.02.08	Facilitate S&M - Protect Workers - Reduce Cost	*	Remove HEPA filter(s) & isolate 296-B-21 discharge. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0

B Plant End Points

221-B Pipe Gallery System

Case: (6) System - Abandoned in Place

Task Type: (TT- 5) Isolate & Contain				
Number	Objective		End Point	EP Closure
06.02.09	Facilitate S&M - Protect Workers - Reduce Cost	*	Remove HEPA filter(s) & isolate 296-B-27 discharge. Ref: _____	BWHC: BHI: Date: End Point Revision number: 0
06.02.10	Facilitate S&M - Protect Workers - Reduce Cost	*	Remove HEPA filter(s) & isolate 296-B-22 discharge. Ref: _____	BWHC: BHI: Date: End Point Revision number: 0
06.02.11	Facilitate S&M - Protect Workers - Reduce Cost	*	Remove HEPA filter(s) & isolate 296-B-26 discharge. Ref: _____	BWHC: BHI: Date: End Point Revision number: 0
06.02.12	Facilitate S&M - Protect Workers - Reduce Cost	*	Remove HEPA filter(s) & isolate 296-B-25 discharge. Ref: _____	BWHC: BHI: Date: End Point Revision number: 0

B Plant End Points

221-B Pipe Gallery System

Case: (6) System - Abandoned in Place

Task Type: (TT- 5) Isolate & Contain				
Number	Objective		End Point	EP Closure
06.02.13	Facilitate S&M - Protect Workers - Reduce Cost	*	Remove HEPA filter(s) & isolate 296-B-23 discharge. Ref: _____	BWHC: BHI: Date: End Point Revision number: 0
06.02.14	Facilitate S&M - Protect Workers - Reduce Cost	*	Isolate piping leading into process cells (i.e. close first off valve). Ref: _____	BWHC: BHI: Date: End Point Revision number: 0
6.02.15	Facilitate S&M - Protect Workers - Reduce Cost	*	Remove HEPA filter(s) & isolate 296-B-24 discharge. Ref: _____	BWHC: BHI: Date: End Point Revision number: 0

221-B Pipe Gallery System

Case: (6) System - Abandoned in Place

Task Type: (TT- 8) **Document & Label**				
Number	*Objective*		*End Point*	*EP Closure*
06.02.16	Facilitate S&M - Protect Workers - Reduce Cost	*	Label Abandoned in Place system. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0
06.02.17	Facilitate Decommissioning	*	Turnover package items: Deactivation work plans/packages. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0
06.02.18	Comply with Regulations & Requirements	A ◆	Document amount and location of remaining hazardous substances/dangerous wastes. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0
06.02.19	Comply with Regulations & Requirements	A ◆	Document exhauster (296-B-21) closure to DOH. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0

B Plant End Points

221-B Pipe Gallery System

Case: (6) System - Abandoned in Place

Task Type: (TT- 8) Document & Label				
Number	Objective		End Point	EP Closure
06.02.20	Comply with Regulations & Requirements	A ♦	Document exhauster (296-B-22) closure to DOH. Ref: _____	BWHC: BHI: Date: End Point Revision number: 0
06.02.21	Comply with Regulations & Requirements	A ♦	Document exhauster (296-B-23) closure to DOH. Ref: _____	BWHC: BHI: Date: End Point Revision number: 0
06.02.22	Comply with Regulations & Requirements	A ♦	Document exhauster (296-B-24) closure to DOH. Ref: _____	BWHC: BHI: Date: End Point Revision number: 0
06.02.23	Comply with Regulations & Requirements	A ♦	Document exhauster (296-B-25) closure to DOH. Ref: _____	BWHC: BHI: Date: End Point Revision number: 0

B Plant End Points

221-B Pipe Gallery System

Case: (6) System - Abandoned in Place

Task Type: (TT- 8) Document & Label				
Number	Objective		End Point	EP Closure
06.02.24	Comply with Regulations & Requirements	A ◆	Document exhauster (296-B-26) closure to DOH. Ref: _____	BWHC: BHI: Date: End Point Revision number: 0
06.02.25	Comply with Regulations & Requirements	A ◆	Document exhauster (296-B-27) closure to DOH. Ref: _____	BWHC: BHI: Date: End Point Revision number: 0

B Plant End Points

221-B Pipe Gallery Vessels

Case: (6) System - Abandoned in Place

Task Type: (TT- 4) **Waste**				
Number	*Objective*		*End Point*	*EP Closure*
06.03.01	Comply with Regulations & Requirements	* ◆	Flush/drain chemical addition piping to minimize the residual material using existing equipment configuration. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0
06.03.02	Comply with Regulations & Requirements	* ◆	Verify identified requirements as defined in the Vessel Listing Table have been met. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0

221-B Stairwells

AREA ACCEPTANCE	
BHI DATE	BWHC DATE
BHI DATE	

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221-B Electrical & Pipe Galleries off of Stairwell #1

Case: (2) Internal Spaces, No Access Expected

Task Type: (*TT-* 1) **Hazards**				
Number	*Objective*		*End Point*	*EP Closure*
07.01.01	Protect Public & Environment	*	Remove unattached combustible materials to reduce the fire hazard. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0
07.01.02	Comply with Regulations & Requirements	A	Review remaining hazards and update the hazard communication program. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0

221-B Electrical & Pipe Galleries off of Stairwell #1

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 3) **Contamination**				
Number	*Objective*		*End Point*	*EP Closure*
07.01.03	Comply with Regulations & Requirements	A	Post radiological conditions in accordance with Hanford Site Radiological Control Manual (HSRCM-1), Chapter 2, Rev 2 (Ref EPTI #4). *Ref:* _____ _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0

221-B Electrical & Pipe Galleries off of Stairwell #1

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 4) **Waste**				
Number	*Objective*		*End Point*	*EP Closure*
07.01.04	Facilitate Decommissioning	√	Housekeep and remove unattached material/equipment using the Reasonable Best Effort methodology. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0
07.01.05	Comply with Regulations & Requirements	* ◆	Removed/disposed radioactive, dangerous, and mixed waste conducted in accordance with approved waste handling procedures. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0
07.01.06	Comply with Regulations & Requirements	* ◆	Remove emergency lantern batteries and fire extinguishers. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0

221-B Electrical & Pipe Galleries off of Stairwell #1

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 5) **Isolate & Contain**				
Number	*Objective*		*End Point*	*EP Closure*
07.01.07	Protect Public & Environment	*	Ensure engineered barriers/seals are in place to prevent migration of both hazardous and radioactive contamination to the environment. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0
07.01.08	Protect Public & Environment	*	Isolate/seal potential pathways to the environment to protect from vermin intrusion. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0
07.01.09	Facilitate S&M - Protect Workers - Reduce Cost	*	Isolate/plug floor drains. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0
07.01.10	Facilitate S&M - Protect Workers - Reduce Cost	*	Place postings at entrances and lock doors to prevent unintentional/unauthorized access. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0

221-B Electrical & Pipe Galleries off of Stairwell #1

Case: (2) Internal Spaces, No Access Expected

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

B Plant End Points

221-B Stairwells 1, 3, 11, 13 and 19

Case: (1) Internal Spaces, Routine Access Required

Task Type: (TT- 1) Hazards				
Number	Objective		End Point	EP Closure
07.02.01	Protect Public & Environment	*	Remove unattached combustible materials to reduce the fire hazard. Ref: _____ _____	BWHC: BHI: Date: End Point Revision number: 0

B Plant End Points

221-B Stairwells 1, 3, 11, 13 and 19

Case: (1) Internal Spaces, Routine Access Required

Task Type: (*TT-* 3) **Contamination**				
Number	*Objective*		*End Point*	*EP Closure*
07.02.02	Facilitate S&M - Protect Workers - Reduce Cost	*	The general space removable contamination level meets the definition of an RBA as defined in Hanford Site Radiological Control Manual (HSRCM-1), Chapter 2, Rev 2. *Ref:* _____ _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0
07.02.03	Comply with Regulations & Requirements	A	Post radiological conditions in accordance with Hanford Site Radiological Control Manual (HSRCM-1), Chapter 2, Rev 2 (Ref EPTI #4). *Ref:* _____ _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0

221-B Stairwells 1, 3, 11, 13 and 19

Case: (1) Internal Spaces, Routine Access Required

Task Type: (TT- 4) **Waste**				
Number	*Objective*		*End Point*	*EP Closure*
07.02.04	Facilitate S&M - Protect Workers - Reduce Cost	√	Housekeep and remove unattached material/equipment using the Reasonable Best Effort methodology. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0
07.02.05	Facilitate S&M - Protect Workers - Reduce Cost	√	Remove/isolate of HEPA filter housings in Stairwell #1 Pipe Gallery Level. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0
07.02.06	Comply with Regulations & Requirements	* ◆	Removed/disposed radioactive, dangerous, and mixed waste conducted in accordance with approved waste handling procedures. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0
07.02.07	Comply with Regulations & Requirements	* ◆	Remove emergency lantern batteries and fire extinguishers. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0

B Plant End Points

221-B Stairwells 1, 3, 11, 13 and 19

Case: (1) Internal Spaces, Routine Access Required

Task Type: (TT- 5) **Isolate & Contain**				
Number	*Objective*		*End Point*	*EP Closure*
07.02.08	Protect Public & Environment	*	Isolate/plug floor drains. *Ref:* _____ _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0
07.02.09	Protect Public & Environment	*	Isolate piping/routes to canyon stairwell #1. *Ref:* _____ _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0

B Plant End Points

221-B Stairwells 1, 3, 11, 13 and 19

Case: (1) Internal Spaces, Routine Access Required

Task Type: (TT- 8) **Document & Label**				
Number	*Objective*		*End Point*	*EP Closure*
07.02.10	Facilitate S&M - Protect Workers - Reduce Cost	*	Document identified area industrial hazards for inclusion in the turnover package. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0
07.02.11	Facilitate Decommissioning	*	Turnover package items: Deactivation work plans/packages. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0
7.02.12	Comply with Regulations & Requirements	A ◆	Document amount and location of remaining hazardous substances/dangerous wastes. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0
07.02.13	Comply with Regulations & Requirements	A ◆	Document space dose rates and contamination levels in the final radiological survey report and map per Hanford Site Radiological Control Manual (HSRCM-1), Chapter 5, Rev 2 (Ref EPTI #5) for inclusion in the turnover package. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0

221-B Stairwells 5, 7, 9, 15 and 17

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT-1) **Hazards**				
Number	*Objective*		*End Point*	*EP Closure*
07.03.01	Protect Public & Environment	*	Remove unattached combustible materials to reduce the fire hazard. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0

B Plant End Points

221-B Stairwells 5, 7, 9, 15 and 17

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 3) **Contamination**				
Number	*Objective*		*End Point*	*EP Closure*
07.03.02	Comply with Regulations & Requirements	A	Post radiological conditions in accordance with Hanford Site Radiological Control Manual (HSRCM-1), Chapter 2, Rev 2 (Ref EPTI #4). *Ref:* _____ _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0

221-B Stairwells 5, 7, 9, 15 and 17

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 4) **Waste**				
Number	*Objective*		*End Point*	*EP Closure*
07.03.03	Facilitate Decommissioning	√	Housekeep and remove unattached material/equipment using the Reasonable Best Effort methodology. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0
07.03.04	Comply with Regulations & Requirements	* ◆	Remove emergency lantern batteries and fire extinguishers. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0

B Plant End Points

221-B Stairwells 5, 7, 9, 15 and 17

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 5) **Isolate & Contain**				
Number	*Objective*		*End Point*	*EP Closure*
07.03.05	Protect Public & Environment	*	Isolate/seal potential pathways to the environment to protect from vermin intrusion. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0
07.03.06	Facilitate S&M - Protect Workers - Reduce Cost	*	Place postings at entrances and lock doors to prevent unintentional/unauthorized access. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0

221-B Stairwells 5, 7, 9, 15 and 17

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 8) **Document & Label**				
Number	*Objective*		*End Point*	*EP Closure*
07.03.07	Comply with Regulations & Requirements	A ◆	Document space dose rates and contamination levels in the final radiological survey report and map per Hanford Site Radiological Control Manual (HSRCM-1), Chapter 5, Rev 2 (Ref EPTI #5) for inclusion in the turnover package. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0

B Plant End Points

221-B Stairwells System

Case: (6) System - Abandoned in Place

Task Type: (TT- 1) Hazards				
Number	Objective		End Point	EP Closure
07.04.01	Facilitate S&M - Protect Workers - Reduce Cost	*	Drain liquids and remove unattached equipment using Good Management Practices. Ref: _____	BWHC: BHI: Date: End Point Revision number: 0

B Plant End Points

221-B Stairwells System

Case: (6) System - Abandoned in Place

Task Type: (TT- 4) **Waste**				
Number	*Objective*		*End Point*	*EP Closure*
07.04.02	Comply with Regulations & Requirements	* ◆	Removed/disposed radioactive, dangerous, and mixed waste conducted in accordance with approved waste handling procedures. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0

B Plant End Points

221-B Stairwells System

Case: (6) System - Abandoned in Place

Task Type: (TT- 5) **Isolate & Contain**				
Number	*Objective*		*End Point*	*EP Closure*
07.04.03	Protect Public & Environment	*	Isolate/plug drains (showers, sinks, toilets). *Ref:* _____ _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0

B Plant End Points

221-B Stairwells System

Case: (6) System - Abandoned in Place

Task Type: (TT- 8) Document & Label				
Number	Objective		End Point	EP Closure
07.04.04	Facilitate Decommissioning	*	Turnover package items: Deactivation work plans/packages. Ref: _____	BWHC: BHI: Date: End Point Revision number: 0
07.04.05	Comply with Regulations & Requirements	A ◆	Document amount and location of remaining hazardous substances/dangerous wastes. Ref: _____	BWHC: BHI: Date: End Point Revision number: 0

221-BB Steam Condensate (BCS)

AREA ACCEPTANCE	
BHI DATE	BWHC DATE
BHI DATE	

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221-BB Steam Condensate (BCS) Building

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT-1) **Hazards**				
Number	*Objective*		*End Point*	*EP Closure*
08.01.01	Protect Public & Environment	*	Remove unattached combustible materials to reduce the fire hazard. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 6/3/97 *End Point Revision number:* 0
08.01.02	Comply with Regulations & Requirements	A	Conduct confined space assessment and resolve any identified issues. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 6/9/97 *End Point Revision number:* 0
8.01.03	Comply with Regulations & Requirements	A	Conduct asbestos assessment and contain friable material to eliminate personnel exposure. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 6/9/97 *End Point Revision number:* 0

221-BB Steam Condensate (BCS) Building

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 2) **Radiation Fields**				
Number	*Objective*		*End Point*	*EP Closure*
08.01.05	Comply with Regulations & Requirements	A	Post radiological conditions in accordance with Hanford Site Radiological Control Manual (HSRCM-1), Chapter 2, Rev 2 (Ref EPTI #4). *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 7/9/97 *End Point Revision number:* 0

221-BB Steam Condensate (BCS) Building

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 3) **Contamination**				
Number	*Objective*		*End Point*	*EP Closure*
08.01.04	Comply with Regulations & Requirements	A	Post radiological conditions in accordance with Hanford Site Radiological Control Manual (HSRCM-1), Chapter 2, Rev 2 (Ref EPTI #4). *Ref:* _____ _____	*BWHC:* Signed *BHI:* Signed *Date:* 7/9/97 *End Point Revision number:* 0

221-BB Steam Condensate (BCS) Building

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT-4) **Waste**				
Number	*Objective*		*End Point*	*EP Closure*
08.01.06	Facilitate Decommissioning	√	Housekeep and remove unattached material/equipment using the Reasonable Best Effort methodology. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 6/3/97 *End Point Revision number:* 0
08.01.07	Comply with Regulations & Requirements	* ◆	Remove emergency lantern batteries and fire extinguishers. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 6/3/97 *End Point Revision number:* 0
08.01.08	Comply with Regulations & Requirements	* ◆	Removed/disposed radioactive, dangerous, and mixed waste conducted in accordance with approved waste handling procedures. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 6/3/97 *End Point Revision number:* 0

221-BB Steam Condensate (BCS) Building

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 5) **Isolate & Contain**				
Number	*Objective*		*End Point*	*EP Closure*
08.01.09	Facilitate S&M - Protect Workers - Reduce Cost	*	Isolate/seal door between radiologically contaminated & non-radiologically contaminated areas. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 5/5/97 *End Point Revision number:* 0
08.01.10	Facilitate S&M - Protect Workers - Reduce Cost	*	Isolate/plug floor drains. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 6/3/97 *End Point Revision number:* 0

221-BB Steam Condensate (BCS) Building

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 8) **Document & Label**				
Number	*Objective*		*End Point*	*EP Closure*
08.01.11	Facilitate Decommissioning	*	Document identified area industrial hazards for inclusion in the turnover package. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 6/9/97 *End Point Revision number:* 0
08.01.12	Facilitate Decommissioning	*	Turnover package items: Deactivation work plans/packages. Description/photos of Case 2 spaces. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 7/9/97 *End Point Revision number:* 0
08.01.13	Comply with Regulations & Requirements	A ◆	Document space dose rates and contamination levels in the final radiological survey report and map per Hanford Site Radiological Control Manual (HSRCM-1), Chapter 5, Rev 2 (Ref EPTI #5) for inclusion in the turnover package. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 7/9/97 *End Point Revision number:* 0
08.01.14	Comply with Regulations & Requirements	A ◆	Document amount and location of remaining hazardous substances/dangerous wastes. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 6/9/97 *End Point Revision number:* 0

221-BB Steam Condensate (BCS) Building Exterior

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

Task Type: (TT- 1) **Hazards**				
Number	*Objective*		*End Point*	*EP Closure*
08.02.01	Protect Public & Environment	*	Remove unattached combustible materials to reduce the fire hazard. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 6/3/97 *End Point Revision number:* 0
08.02.02	Facilitate S&M - Protect Workers - Reduce Cost	*	A limited structural analysis will be conducted to verify structural integrity for a minimum of five (5) years. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 6/16/97 *End Point Revision number:* 0

221-BB Steam Condensate (BCS) Building Exterior

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

Task Type: (TT- 4) **Waste**				
Number	*Objective*		*End Point*	*EP Closure*
08.02.03	Facilitate Decommissioning	√	Housekeep and remove unattached material/equipment using the Reasonable Best Effort methodology. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 6/3/97 *End Point Revision number:* 0

221-BB Steam Condensate (BCS) Building Exterior

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

Task Type: (TT- 5) **Isolate & Contain**				
Number	*Objective*		*End Point*	*EP Closure*
08.02.04	Protect Public & Environment	*	Isolate/seal potential pathways from the environment to protect from vermin intrusion. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 5/5/97 *End Point Revision number:* 0
08.02.05	Facilitate S&M - Protect Workers - Reduce Cost	*	Place postings at entrances and lock doors to prevent unintentional/unauthorized access. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 6/3/97 *End Point Revision number:* 0
08.02.06	Facilitate S&M - Protect Workers - Reduce Cost	*	Assess roof integrity for the prevention of in-leakage for a minimum of five (5) years. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 6/16/97 *End Point Revision number:* 0

221-BB Steam Condensate (BCS) Building Exterior

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

Task Type: (TT-7) **Refurbish or Install**				
Number	*Objective*		*End Point*	*EP Closure*
08.02.07	Facilitate S&M - Protect Workers - Reduce Cost	*	Refurbish facility as required by the structural and roof integrity studies. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 6/18/97 *End Point Revision number:* 0

221-BB Steam Condensate (BCS) Building Exterior

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

Task Type: (TT- 8) **Document & Label**				
Number	*Objective*		*End Point*	*EP Closure*
08.02.08	Facilitate S&M - Protect Workers - Reduce Cost	*	Document identified area industrial hazards for inclusion in the turnover package. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 6/9/97 *End Point Revision number:* 0
08.02.09	Facilitate S&M - Protect Workers - Reduce Cost	*	Verify ancillary building identifications are clearly posted on the exterior of the building. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 5/5/97 *End Point Revision number:* 0
08.02.10	Facilitate Decommissioning	*	Turnover package items: Deactivation work plans/packages. Roof Studies Structural Studies *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 6/18/97 *End Point Revision number:* 0
08.02.11	Comply with Regulations & Requirements	A ◆	Document amount and location of remaining hazardous substances/dangerous wastes. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 6/9/97 *End Point Revision number:* 0

221-BB Steam Condensate (BCS) Building System

Case: (6) System - Abandoned in Place

Task Type: (TT- 1) **Hazards**				
Number	*Objective*		*End Point*	*EP Closure*
08.03.01	Facilitate S&M - Protect Workers - Reduce Cost	*	Remove accessible monitoring equipment containing hazardous material (i.e. lead shielding). *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 6/3/97 *End Point Revision number:* 0

221-BB Steam Condensate (BCS) Building System

Case: (6) System - Abandoned in Place

Task Type: (TT- 4) **Waste**				
Number	*Objective*		*End Point*	*EP Closure*
08.03.02	Comply with Regulations & Requirements	* ◆	Removed/disposed radioactive, dangerous, and mixed waste conducted in accordance with approved waste handling procedures. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 6/3/97 *End Point Revision number:* 0

221-BB Steam Condensate (BCS) Building System

Case: (6) System - Abandoned in Place

Task Type: (TT- 5) **Isolate & Contain**				
Number	*Objective*		*End Point*	*EP Closure*
08.03.03	Protect Public & Environment	*	Isolate 296-B-5 stack. *Ref:*	*BWHC:* Signed *BHI:* Signed *Date:* 6/3/97 *End Point Revision number:* 0
08.03.04	Facilitate S&M - Protect Workers - Reduce Cost	*	Cap/plug/blank/isolate effluent sample lines. *Ref:*	*BWHC:* Signed *BHI:* Signed *Date:* 5/5/97 *End Point Revision number:* 0
08.03.05	Facilitate S&M - Protect Workers - Reduce Cost	*	Remove HEPA filter(s) & isolate vessel vent system 3. *Ref:*	*BWHC:* Signed *BHI:* Signed *Date:* 5/5/97 *End Point Revision number:* 0
08.03.06	Facilitate S&M - Protect Workers - Reduce Cost	*	Remove HEPA filter(s) & Isolate facility (296-B-5) HVAC discharge. *Ref:*	*BWHC:* Signed *BHI:* Signed *Date:* 6/3/97 *End Point Revision number:* 0

221-BB Steam Condensate (BCS) Building System

Case: (6) System - Abandoned in Place

Task Type: (TT- 5) **Isolate & Contain**				
Number	*Objective*		*End Point*	*EP Closure*
08.03.07	Facilitate S&M - Protect Workers - Reduce Cost	*	Isolate HVAC supply. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 5/5/97 *End Point Revision number:* 0

221-BB Steam Condensate (BCS) Building System

Case: (6) System - Abandoned in Place

Task Type: (TT- 8) **Document & Label**				
Number	*Objective*		*End Point*	*EP Closure*
08.03.08	Facilitate S&M - Protect Workers - Reduce Cost	*	Label Abandoned in Place system. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 6/3/97 *End Point Revision number:* 0
08.03.09	Facilitate Decommissioning	*	Turnover package items: Deactivation work plans/packages. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 8/14/97 *End Point Revision number:* 0
08.03.10	Comply with Regulations & Requirements	A ◆	Document stack (296-B-5) closure to DOH. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0
08.03.11	Comply with Regulations & Requirements	A ◆	Document amount and location of remaining hazardous substances/dangerous wastes. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 6/9/97 *End Point Revision number:* 0

B Plant End Points

221-BB Vessels

Case: (6) System - Abandoned in Place

Task Type: (TT- 4) Waste				
Number	Objective		End Point	EP Closure
08.05.01	Comply with Regulations & Requirements	* ◆	Flush/drain chemical addition piping to minimize the residual material using existing equipment configuration. Ref: _____	BWHC: Signed BHI: Signed Date: 6/3/97 End Point Revision number: 0
08.05.02	Comply with Regulations & Requirements	* ◆	Verify identified requirements as defined in the Vessel Listing Table have been met. Ref: _____	BWHC: Signed BHI: Signed Date: 6/5/97 End Point Revision number: 0

221BB-MVP-01/221BB North Condensate Pit

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 1) **Hazards**				
Number	*Objective*		*End Point*	*EP Closure*
08.06.01	Protect Public & Environment	*	Remove unattached combustible materials to reduce the fire hazard. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 6/30/97 *End Point Revision number:* 1-A
08.06.02	Comply with Regulations & Requirements	A	Conduct confined space assessment and resolve any identified issues. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 7/16/97 *End Point Revision number:* 1-A
08.06.03	Comply with Regulations & Requirements	A	Conduct asbestos assessment and contain friable material to eliminate personnel exposure. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 7/16/97 *End Point Revision number:* 1-A

221BB-MVP-01/221BB North Condensate Pit

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 2) **Radiation Fields**				
Number	*Objective*		*End Point*	*EP Closure*
08.06.04	Comply with Regulations & Requirements	A	Post radiological conditions in accordance with Hanford Site Radiological Control Manual (HSRCM-1), Chapter 2, Rev 2 (Ref EPTI #4). *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 8/19/97 *End Point Revision number:* 1-A

221BB-MVP-01/221BB North Condensate Pit

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 3) **Contamination**				
Number	*Objective*		*End Point*	*EP Closure*
08.06.05	Comply with Regulations & Requirements	A	Post radiological conditions in accordance with Hanford Site Radiological Control Manual (HSRCM-1), Chapter 2, Rev 2 (Ref EPTI #4). *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 8/19/97 *End Point Revision number:* 1-A

221BB-MVP-01/221BB North Condensate Pit

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 4) **Waste**				
Number	*Objective*		*End Point*	*EP Closure*
08.06.06	Facilitate Decommissioning	√	Housekeep and remove unattached material/equipment using the Reasonable Best Effort methodology. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 7/30/97 *End Point Revision number:* 1-A
08.06.07	Comply with Regulations & Requirements	* ◆	Removed/disposed radioactive, dangerous, and mixed waste conducted in accordance with approved waste handling procedures. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 7/30/97 *End Point Revision number:* 1-A
)8.06.08	Comply with Regulations & Requirements	* ◆	Remove lead shielding. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 7/16/97 *End Point Revision number:* 1-A

221BB-MVP-01/221BB North Condensate Pit

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 5) **Isolate & Contain**				
Number	*Objective*		*End Point*	*EP Closure*
08.06.09	Protect Public & Environment	*	Isolate/seal cover to confined space pit. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 7/30/97 *End Point Revision number:* 1-A
08.06.10	Protect Public & Environment	*	Isolate/seal lines leading to tank 900. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 8/14/97 *End Point Revision number:* 1-A
08.06.11	Protect Public & Environment	*	Isolate/seal potential pathways from the environment to protect from vermin intrusion. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 7/30/97 *End Point Revision number:* 1-A
08.06.12	Facilitate S&M - Protect Workers - Reduce Cost	*	Place postings at entrances and lock doors to prevent unintentional/unauthorized access. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 7/30/97 *End Point Revision number:* 1-A

221BB-MVP-01/221BB North Condensate Pit

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 8) **Document & Label**				
Number	*Objective*		*End Point*	*EP Closure*
08.06.13	Facilitate Decommissioning	*	Document identified area industrial hazards for inclusion in the turnover package. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 7/16/97 *End Point Revision number:* 1-A
08.06.14	Facilitate Decommissioning	*	Turnover package items: Deactivation work plans/packages. Description/photos of Case 2 spaces. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 8/14/97 *End Point Revision number:* 1-A
08.06.15	Comply with Regulations & Requirements	A ◆	Document amount and location of remaining hazardous substances/dangerous wastes. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 7/16/97 *End Point Revision number:* 1-A
08.06.16	Comply with Regulations & Requirements	A ◆	Document space dose rates and contamination levels in the final radiological survey report and map per Hanford Site Radiological Control Manual (HSRCM-1), Chapter 5, Rev 2 (Ref EPTI #5) for inclusion in the turnover package. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 8/19/97 *End Point Revision number:* 1-A

221-BC Change Room

AREA ACCEPTANCE	
BHI DATE	BWHC DATE
BHI DATE	

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221-BC Change Room Building

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 1) **Hazards**				
Number	*Objective*		*End Point*	*EP Closure*
09.01.01	Protect Public & Environment	*	Remove unattached combustible materials to reduce the fire hazard. *Ref:* _____ _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0

B Plant End Points

221-BC Change Room Building

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 3) Contamination				
Number	Objective		End Point	EP Closure
09.01.02	Facilitate Decommissioning	√	Fix contamination in lower area. Ref: _____	BWHC: BHI: Date: End Point Revision number: 0
09.01.03	Comply with Regulations & Requirements	A	Post radiological conditions in accordance with Hanford Site Radiological Control Manual (HSRCM-1), Chapter 2, Rev 2 (Ref EPTI #4). Ref: _____	BWHC: BHI: Date: End Point Revision number: 0

B Plant End Points

221-BC Change Room Building

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 4) Waste				
Number	Objective		End Point	EP Closure
09.01.04	Facilitate Decommissioning	√	Housekeep and remove unattached material/equipment using the Reasonable Best Effort methodology. Ref: _____	BWHC: BHI: Date: End Point Revision number: 0
09.01.05	Comply with Regulations & Requirements	* ◆	Removed/disposed radioactive, dangerous, and mixed waste conducted in accordance with approved waste handling procedures. Ref: _____	BWHC: BHI: Date: End Point Revision number: 0
09.01.06	Comply with Regulations & Requirements	* ◆	Remove emergency lantern batteries and fire extinguishers. Ref: _____	BWHC: BHI: Date: End Point Revision number: 0

B Plant End Points

221-BC Change Room Building

Case: (2) Internal Spaces, No Access Expected

Task Type: (TT- 5) Isolate & Contain				
Number	Objective		End Point	EP Closure
09.01.07	Protect Public & Environment	*	Isolate potential pathways to the environment. Ref:	BWHC: BHI: Date: End Point Revision number: 0
09.01.08	Protect Public & Environment	*	Isolate/plug drains (showers, sinks, toilets). Ref:	BWHC: Signed BHI: Signed Date: 11/19/97 End Point Revision number: 0
09.01.09	Facilitate S&M - Protect Workers - Reduce Cost	*	Isolate/seal canyon access points. Ref:	BWHC: BHI: Date: End Point Revision number: 0
09.01.10	Facilitate S&M - Protect Workers - Reduce Cost	*	Isolate/plug floor drains. Ref:	BWHC: BHI: Date: End Point Revision number: 0

B Plant End Points

221-BC Change Room Building

Case: (2) Internal Spaces, No Access Expected

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

221-BC Change Room Building Exterior

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

Task Type: (TT- 1) **Hazards**				
Number	*Objective*		*End Point*	*EP Closure*
09.02.01	Protect Public & Environment	*	Remove unattached combustible materials to reduce the fire hazard. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0
09.02.02	Facilitate S&M - Protect Workers - Reduce Cost	*	A limited structural analysis will be conducted to verify structural integrity for a minimum of five (5) years. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 6/16/97 *End Point Revision number:* 0

221-BC Change Room Building Exterior

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

Task Type: (TT- 3) **Contamination**				
Number	*Objective*		*End Point*	*EP Closure*
09.02.03	Facilitate S&M - Protect Workers - Reduce Cost	*	The 221-BC Roof removable contamination level meets the definition of a CA as defined in Hanford Site Radiological Control Manual (HSRCM-1), Chapter 2, Rev 2 (Ref EPTI #4). *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0
09.02.04	Comply with Regulations & Requirements	A	Post radiological conditions in accordance with Hanford Site Radiological Control Manual (HSRCM-1), Chapter 2, Rev 2 (Ref EPTI #4). *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0

221-BC Change Room Building Exterior

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

Task Type: (TT- 4) **Waste**				
Number	*Objective*		*End Point*	*EP Closure*
09.02.05	Facilitate Decommissioning	√	Housekeep and remove unattached material/equipment using the Reasonable Best Effort methodology. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0
09.02.06	Comply with Regulations & Requirements	* ◆	Removed/disposed radioactive, dangerous, and mixed waste conducted in accordance with approved waste handling procedures. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0

221-BC Change Room Building Exterior

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

Task Type: (TT- 5) **Isolate & Contain**				
Number	*Objective*		*End Point*	*EP Closure*
09.02.07	Protect Public & Environment	*	Isolate/seal potential pathways from the environment to protect from vermin intrusion. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0
09.02.08	Facilitate S&M - Protect Workers - Reduce Cost	*	Place postings at entrances and lock doors to prevent unintentional/unauthorized access. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0
09.02.09	Facilitate S&M - Protect Workers - Reduce Cost	*	Assess roof integrity for the prevention of in-leakage for a minimum of five (5) years. *Ref:* _____	*BWHC:* Signed *BHI:* Signed *Date:* 6/12/97 *End Point Revision number:* 0

221-BC Change Room Building Exterior

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

Task Type: (TT- 7) **Refurbish or Install**				
Number	*Objective*		*End Point*	*EP Closure*
09.02.10	Facilitate S&M - Protect Workers - Reduce Cost	*	Refurbish facility as required by the structural and roof integrity studies. *Ref:* _____ _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0

221-BC Change Room Building Exterior

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

Task Type: (TT- 8) **Document & Label**				
Number	*Objective*		*End Point*	*EP Closure*
09.02.11	Facilitate S&M - Protect Workers - Reduce Cost	*	Document identified area industrial hazards for inclusion in the turnover package. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0
09.02.12	Facilitate S&M - Protect Workers - Reduce Cost	*	Verify ancillary building identifications are clearly posted on the exterior of the building. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0
09.02.13	Facilitate Decommissioning	*	Turnover package items: Deactivation work plans/packages. Roof Studies Structural Studies *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0
09.02.14	Comply with Regulations & Requirements	A ◆	Document amount and location of remaining hazardous substances/dangerous wastes. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0

221-BC Change Room Building System

Case: (6) System - Abandoned in Place

Task Type: (TT- 5) **Isolate & Contain**				
Number	*Objective*		*End Point*	*EP Closure*
09.03.01	Protect Public & Environment	*	Isolate/seal ventilation supply and discharge ducts. *Ref:* _____ _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0

221-BC Change Room Building System

Case: (6) System - Abandoned in Place

Task Type: (TT- 8) **Document & Label**				
Number	*Objective*		*End Point*	*EP Closure*
09.03.02	Facilitate S&M - Protect Workers - Reduce Cost	*	Label Abandoned in Place system. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0
09.03.03	Facilitate Decommissioning	*	Turnover package items: Deactivation work plans/packages. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0
09.03.04	Comply with Regulations & Requirements	A ◆	Document amount and location of remaining hazardous substances/dangerous wastes. *Ref:* _____	*BWHC:* *BHI:* *Date:* *End Point Revision number:* 0