

0049838

Meeting Minutes Transmittal

324 REC/HLV
Project Managers' Meeting
Federal Building/Room 590-A
Richland, Washington

September 3, 1998
2:00 p.m. to 3:00 p.m.

The undersigned indicate by their signatures that these meetings minutes reflect the actual occurrences of the above dated Unit Managers Meeting.

David W. Templeton Date: 10-8-98
David W. Templeton, Project Manager, RL

Joanne J. Wallace Date: 10/8/98
J. J. Wallace, Project Manager, Washington State Department of Ecology

324 REC/HLV Closure Plan, BWHC Concurrence

David E. Rasmussen Date: 10/08/98
D. E. Rasmussen, Contractor Representative, BWHC

Purpose: Discuss Permitting Process

Meeting Minutes are attached. The minutes are comprised of the following:

- Attachment 1 - Agenda
- Attachment 2 - Summary of Discussion and Commitments/Agreements
- Attachment 3 - Attendance List
- Attachment 4 - 300-FF-2 Operable Unit RCRA/CERCLA Interfaces
- Attachment 5 - Status of the Monthly Project Status Tracking



Attachment 1

324 REC/HLV
Project Managers' Meeting
Federal Building/Room 590-A
Richland, Washington

September 3, 1998
2:00 p.m. to 3:00 p.m.

Agenda

1. Introduction
2. Previous Meeting Minutes
3. 324 REC/HLV Closure Plan
 - a. Ecology review of closure plan
4. B-Cell Cleanout Project Status
 - a. Recent progress/highlights
5. Action Item Review
 - a. RCRA/CERCLA integration, list of applicable activities from Closure Plan
6. Other Topics/Discussion
 - a. Project status tracking, monthly status
 - b. Other topics
7. Schedule Next Meeting

Attachment 2

324 REC/HLV
Project Managers' Meeting
Federal Building/Room 590-A
Richland, Washington

September 3, 1998
2:00 p.m. to 3:00 p.m.

Summary of Discussion and Commitments/Agreements

1. Introductions

Jeff Riddelle (BWHC) was introduced.

2. Signing Previous Meeting Minutes

The July 9, 1998 and August 6, 1998 Project Manager Meeting (PMM) minutes were approved.

3. 324 REC/HLV Closure Plan

a. Status of Ecology review of closure plan

J. Wallace (Ecology) stated that a letter approving the closure plan will be issued today. The letter calls for a Tri-Party Agreement (TPA) change package for M-89-00 and M-89-02, and asserts Ecology's authority on approval of the CERCLA Applicable or Relevant and Appropriate Requirements (ARARs) if and when RCRA/CERCLA integration occurs.

4. B-Cell Cleanout Project Status

a. Recent Progress/Highlights

J. Riddelle reported that all of the 1B rack dunnage has been shipped to the burial grounds. All of the removal of dispersible under the 1A and 1B racks was completed today. Preparations for removal of the 2A jumper are under way, and it is still scheduled to take place at the end of September 1998.

D. Rasmussen (BWHC) noted that part of the preparation for the 2A jumper removal involved a Department of Health approval of the update to the B-Cell Notice of Construction (NOC).

5. Action Item Review

a. RCRA/CERCLA integration, list of applicable activities from Closure Plan

A list was provided to Ecology (Attachment 4). This action item is closed.

6. Other topics/discussion

a. Project status tracking, monthly status

D. Templeton (BWHC) distributed a handout describing the 324/327 stabilization/deactivation project status (Attachment 5).

7. Schedule Next Meeting

The next PMM meeting was scheduled for October 1, 1998, at the Federal Building in Richland, Washington.

Attachment 4

324 REC/HLV
Project Managers' Meeting
Federal Building/Room 590-A
Richland, Washington

September 3, 1998
2:00 p.m. to 3:00 p.m.

300-FF-2 Operable Unit RCRA/CERCLA Interfaces

REFERENCES TO RCRA/CERCLA
WITHIN THE
324 BLDG. REC, HLV, LLV AND ASSOCIATED AREAS CLOSURE PLAN

Unit	Text	Activity Status
324 Bldg. REC, HLV, LLV and Associated Areas Closure Plan	<p>Chapter 1, Section 1.3.1, Closure Regulatory Basis In April 1993, Ecology and the EPA were notified that RL had determined that the REC B-Cell and the high-level vault (HLV) within the 324 Building were being used to manage or store mixed waste (DOE-RL, 1997). This unit was not permitted under RCRA; therefore, these activities were not in compliance with RCRA regulations.</p> <p>Negotiations for resolution of the noncompliant RCRA issues were conducted among Ecology, EPA, and RL using the Tri-Party Agreement dispute resolution process. On February 7, 1995, the Tri-Party Agreement Dispute Resolution Committee agreed to the following: (1) Ecology would issue a Voluntary Compliance letter (Ecology, 1995b), to document the areas of noncompliance associated with the 324 Building REC and HLV and (2) RL, Ecology, and PNNL would negotiate Tri-Party Agreement milestones to close the noncompliant TSD Unit. It was agreed that the Tri-Party Agreement milestones would be sufficient to satisfy regulatory enforcement for the areas of noncompliance.</p>	N/A
	<p>Section 1.3.2 Compliance Agreements Milestone M-20-55 required the submittal of a closure plan for the previously identified unpermitted TSD unit in the 324 Building. This milestone was satisfied with the initial submittal of this closure plan to Ecology in December 1995. The closure plan subsequently was modified and resubmitted in May 1997. This current revision of the document is submitted to resolve comments and issues with the initial and subsequent closure plan, to reflect the change in building mission and management, and to provide better integration of closure activities with building stabilization and decontamination activities and with the <i>Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) of 1980</i> remedial actions for the 300 Area operable units.</p>	N/A

REFERENCES TO RCRA/CERCLA
WITHIN THE
324 BLDG. REC, HLV, LLV AND ASSOCIATED AREAS CLOSURE PLAN

Unit	Text	Activity Status
	<p>Chapter 5, Section 5.1 Background The geology and hydrogeology of the 300 Area is well characterized and the groundwater is monitored through an extensive well network collecting data to meet the requirements of the RCRA, CERCLA, and Atomic Energy Act. Groundwater monitoring is conducted by PNNL and Bechtel Hanford, Inc. (BHI) for RL. In accordance with the Tri-Party Agreement, groundwater in the 300 Area is included in the 300-FF-5 operable unit (OU) and is being investigated as part of the CERCLA Remedial Investigation/Feasibility Study process. The only constituents detected in the groundwater beneath the 324 Building in levels greater than the proposed interim drinking water standards are uranium and sometimes strontium-90. The 300-FF-5 OU consists of the aquifers beneath the 300-FF-01 and 300-FF-2 source OU and is bounded by the Columbia River on the east (Figure 5-1).</p> <p>Groundwater for the 324 Building is addressed in the 300-FF-5 groundwater OU (Figure 5-1). A combined Record of Decision was issued in July 1996 for the 300-FF-1 OU (final) and the 300-FF-5 OU (interim). Actual or threatened releases from the 300-FF-2 OU waste sites to the groundwater will be addressed in a future Record of Decision and will include coordination between CERCLA and RCRA (DOE/RL-89-14, DOE.RL-93-21, DOE/RL-94-85).</p> <p>RCRA groundwater monitoring is governed by 40 CFR 265, Subpart F. There are no RCRA groundwater activities currently occurring in the vicinity (within 305 meters) of the 324 Building. The only RCRA groundwater monitoring program in the 300 Area is the 300 Area Process Trenches (316-5), located north of the 324 Building (Figure 5-1). However, within the 300 Area there are 39 active monitoring wells. These wells are part of the groundwater monitoring program for CERCLA, RCRA, and Atomic Energy Act. A number of these wells are located in the vicinity of the 324 Building (see Section 5.3).</p>	N/A

REFERENCES TO RCRA/CERCLA
WITHIN THE
324 BLDG. REC, HLV, LLV AND ASSOCIATED AREAS CLOSURE PLAN

Unit	Text	Activity Status
	<p>Section 5.3 Groundwater Assessment/Monitoring Information</p> <p>Within the 300 Area, there are 39 wells. These wells are a part of the groundwater monitoring program for CERCLA, RCRA, and Atomic Energy Act. The existing contaminant plumes would interfere with monitoring of the HLV to a limited extent because strontium-90, a constituent identified in the HLV, is present in the existing plumes at a significant concentration. Strontium concentrations in the well nearest the 324 Building (well 399-3-11) have remained consistently near the interim drinking water standard level of 0.31 Bq/L. Uranium concentrations in well 399-3-11 have exceeded the proposed interim drinking water standard of 20 µg/L (approximately 0.53 Bq/L) for the past three years. Other constituents identified as associated with the HLV tank contents include barium, chromium, lead, and selenium. These constituents were previously monitored for under the CERCLA program and were found to be below the drinking water standard levels in the groundwater, and in some cases, below background concentrations.</p> <p>There are two groundwater monitoring wells associated with the 324 Building that are currently sampled under the existing groundwater monitoring program. The wells can adequately monitor the 324 Building for potential migration of constituents of concern during normal river height. Well 399-3-12 is located upgradient, approximately 180 meters northwest of the HLV. Well 399-3-11 is located downgradient, 40 meters southeast of the HLV, less than 31 meters from the eastern edge of the 324 Building. Table 5.1 lists these wells and all wells within 305 meters of the 324 Building (Also reference Figure 5-1.). Table 5-2 lists the RCRA groundwater monitoring wells installed in the 300 Area.</p>	N/A

REFERNCES TO RCRA/CERCLA
 WITHIN THE
 324 BLDG. REC, HLV, LLV AND ASSOCIATED AREAS CLOSURE PLAN

Unit	Text	Activity Status
	<p>Section 5.4 Conclusion There are soil and groundwater contamination from past-practice activities in the vicinity of the 324 Building (e.g., the 618-6 Burial Ground). Past-practice activities have contributed to contamination throughout the Hanford Site. Because of overlapping authorities, the TPA requires coordination by regulatory authorities. Specifically, in cases where TSD units are located within an existing operable unit to be remediated pursuant to either CERCLA or RCRA corrective action, integration is to be accomplished through coordination of some or all aspects of closure as might be appropriate.</p>	N/A
	<p>Chapter 6, Section 6.1 Closure Strategy In addition to the actions described above, the closure of this unit will be completed by demonstrating (through performing integrity assessments) that the liners, and/or piping had kept dangerous waste contaminants generated or managed as a result of nonpermitted TSD activities from reaching the soil. Unless assessments identify conditions that indicate containment failure and a subsequent potential for soil contamination from the identified nonpermitted TSD operations, the soil would not be subject to closure. However, if inspections identify lack-of-integrity cracks, investigation into potential soil contamination will be conducted. Based on investigation results, an interim measure or CERCLA remedial action will occur with the CERCLA remedial action process for the OU.</p>	Not Completed
	<p>Section 6.2.5 Underlying Soils and Groundwater If an interim measure is not warranted, or if the potential dangerous waste contamination is in an area that is not accessible (i.e., no crawlspace access), soil investigations and remediation will be scheduled and coordinated with the CERCLA operable unit, identifying the contaminants of concern, cleanup levels and specifying RCRA as an ARAR. (Note: The current 300-FF-2 operable unit remediation strategy is to use industrial cleanup standards [MTCA Method C] consistent with the 300-FF-1 Final Record of Decision.)</p>	Not Completed

REFERENCES TO RCRA/CERCLA
WITHIN THE
324 BLDG. REC, HLV, LLV AND ASSOCIATED AREAS CLOSURE PLAN

Unit	Text	Activity Status
	<p>Chapter 7, Section 4.5.4 Coordination of Soil Characterization and Remediation (Contingency Plan) If an interim measure is not selected per Section 7.5.3 or if the potential dangerous waste constituents are in an area that is not accessible (i.e., no crawlspace access), soil investigations and remediation will be scheduled and coordinated with the CERCLA operable unit, identifying the contaminants of concern, cleanup levels, and specifying RCRA as an ARAR. This coordination process is described in Chapter 8. This situation would also trigger monitoring and care provisions that are also described in Chapter 8.0.</p> <p>If dangerous waste is left in place after closure, the requirements for notice to local land authority (WAC 173-303-610(9)) and for notice in deed to property (WAC 173-303-610(10)) will be identified as an ARAR for the CERCLA operable-unit remedial action process to ensure a survey plat, deed notations (or other legal instrument), and final closure/remediation records are prepared and submitted properly, after completion of all remedial actions at the site.</p>	Not Completed
	<p>Section 7.1.2 Activities for B-Cell If the integrity assessments demonstrate that B-Cell met the performance standards specified in Chapter 6.0, Section 6.2.1.2 (i.e., activities did not cause liquid waste leakage to the environment), B-Cell will be considered closed and it will be concluded that the underlying soil and groundwater were not adversely impacted by the waste treatment and storage activities covered by this closure plan and the underlying soil will not be included as part of this closure. However, if cracks are found in the liner and the concrete that might have resulted in contamination of the soil, any necessary soil characterization and potential cleanup will be coordinated with the CERCLA remedial action process for the OU as described in Section 7.5 and Chapter 8.0, Section 8.3.</p>	Not Completed

REFERENCES TO RCRA/CERCLA
WITHIN THE
324 BLDG. REC, HLV, LLV AND ASSOCIATED AREAS CLOSURE PLAN

Unit	Text	Activity Status
	<p>Section 7.5.2 Accessible Areas (Contingency Planing) For accessible areas, i.e., crawl space allows access, a sampling and analysis plan will be prepared to define the nature and extent of contamination by dangerous waste constituents. The sampling and analysis plan must be prepared in accordance with the requirements of WAC 173-303 and should identify contaminants of concern, based on the TSD operations conducted over these accessible soil areas. This sampling effort will be coordinated with the CERCLA OU activities to ensure the needs of both programs are being met. In this manner, a more efficient and comprehensive sampling effort can be performed addressing not only the TSD operation COC, but the radiological aspects as well.</p> <p>If no dangerous waste or waste residuals are found above clean closure standards (Chapter 6.0, Section 6.2.5) based on the contaminants of concern for the TSD operations, the area can be closed with respect to the closure of this unit. If dangerous waste constituents from TSD operations are identified above the standard, an interim measure to remove the contaminated soil will be evaluated. The remediation of the area will be coordinated with the CERCLA operable unit activities (Section 7.5.4 and Chapter 8.0, Section 8.3).</p>	<p>Not Completed</p>

REFERENCES TO RCRA/CERCLA
WITHIN THE
324 BLDG. REC, HLV, LLV AND ASSOCIATED AREAS CLOSURE PLAN

Unit	Text	Activity Status
	<p>Section 7.5.3 Interim Measure Planning for Soil Removal (Contingency Planning) If dangerous waste constituents from TSD operations are present in the soil, based on sampling and analysis, a determination will be documented if near term removal activities are required to be protective of human health and the environment. This determination will be based on near-term and significant potential impact to groundwater, and economic considerations, i.e., near term removal actions versus complete remediation under CERCLA. If immediate removal actions are required, an Interim Measures Plan will be prepared and submitted to Ecology. This plan will describe how the removal will be done, provide cleanup standards (based on the MTCA clean closure standards for TSD contaminants of concern or approved alternative), and specify how sampling will be performed to verify cleanup objectives have been met. This plan will be incorporated into the closure plan, as described in the closure modification requirements contained in Section 7.8. If interim removal actions can be performed to meet the closure performance standards, then the unit will be closed.</p>	<p>Not Completed</p>
	<p>Chapter 8, Section 8.3 Contingent Plan for Soil/Groundwater The ARAR development process is an ongoing CERCLA OU activity leading up to the selection of the remedy and the establishment of appropriate cleanup standards. It will be essential that the requirements contained in WAC 173-303-610 and WA 173-303-640(8) be integrated into this process early on. This will enable the development of complete constituents of concern lists, ensure appropriate sampling and analysis strategies are developed and include RCRA closure standards in defining and evaluating the feasibility of various remedial options and cleanup levels. ARAR are usually classified as either contaminant specific, action specific, or location specific. If it appears coordination of soil and/or groundwater remediation may be necessary, it will be essential that early and frequent communication between the 324 Building deactivation organization and the ER program are established. This will allow for close coordination and execution of planned activities by both parties so that the common cleanup objectives can be met in the most efficient way possible.</p>	<p>Not Completed</p>

REFERENCES TO RCRA/CERCLA
 WITHIN THE
 324 BLDG. REC, HLV, LLV AND ASSOCIATED AREAS CLOSURE PLAN

Unit	Text	Activity Status
	<p>Section 8.3.1 Coordination of Soil Contamination</p> <ul style="list-style-type: none"> • Cleanup Standards - In developing remedial actions for the soil, RCRA will be specified as an ARAR, so that applicable cleanup standards and remediation/closure requirements are included. • Coordination of Remediation - Remedial actions for the soil will be coordinated with the building disposition and the CERCLA OU (300-FF-2) remediation. This coordination will include an integration of schedules, development of a common approach for waste disposition, and development of a detailed post-closure plan or approved equivalent if the decision is made to leave waste in place after completion of the remedial actions. 	Not Completed
	<p>Section 8.3.2 Coordination of Groundwater Monitoring</p> <ul style="list-style-type: none"> • Cleanup Standards - The cleanup standard for groundwater will be those specified in WAC 173-303-610(2)(b)(i) and RCRA will be specified as an ARAR for determining cleanup actions and goals. • Coordination of Remediation - Remediation coordination for groundwater will be done through the appropriate CERCLA groundwater OU. This coordination will include an integration of schedules and development of a common approach for monitoring and/or remediation. 	Not Completed

300 FF-2 OPERABLE UNIT
RCRA/CERCLA INTERFACES

Unit	Activity Proposed as a CERCLA Action	Status	1
304 Concretion Facility Referenced pages found at tab 1	Groundwater remediation <i>304 Concretion Facility Closure Plan</i> , DOE/RL-90-03: Page 1-1, Line 25-33 Page 5-1, Lines 4-16	Groundwater remediation to be addressed by CERCLA	
	300 Area Process Sewer (not included as part of the RCRA TSD unit) <i>304 Concretion Facility Closure Plan</i> , DOE/RL-90-03: Page 6-1, lines 45-49	Excluded from RCRA Closure. To be addressed by CERCLA	
	If dangerous constituents in the soil above cleanup levels, then soil to be remediated under CERCLA <i>304 Concretion Facility Closure Plan</i> , DOE/RL-90-03: 6-1, lines 38-43 6-3, lines 5-6 7-21, lines 10-12	No dangerous constituents found above cleanup levels. No CERCLA actions required, see <i>304 Concretion Facility Closure Activities and Data Evaluation Report</i> , WHC-SD-EN-TI-301, Rev 0.	
	Data on uranium in 304 Facility soils for use during the CERCLA remediation of the 300 Area.	Reported in <i>304 Concretion Facility Closure Activities and Data Evaluation Report</i> , WHC-SD-EN-TI-301, Rev 0.	
303-K Storage Facility Referenced pages found at tab 2	If dangerous constituents in the soil above cleanup levels, then soil to be remediated under CERCLA <i>303-K Storage Facility Closure Plan</i> , DOE/RL-90-04 Page 1-1, lines 31-33 Page 6-1, lines 39-44 Page 7-19, lines 10-12	No dangerous constituents found in the soil above the cleanup performance standards. No CERCLA activities required. See <i>303-K Storage Facility: Report on FY98 Closure Activities</i> , HNF-2959	
	Groundwater remediation <i>303-K Storage Facility Closure Plan</i> , DOE/RL-90-04 Page 1-1, lines 25-31 Page 5-1, lines 4-17	Groundwater remediation to be addressed by CERCLA	
	300 Area Process Sewer (not included as part of the RCRA TSD unit) <i>303-K Storage Facility Closure Plan</i> , DOE/RL-90-04 Page 6-1, lines 46-50	Excluded from RCRA Closure. To be addressed by CERCLA	
	Data on uranium in 303-K Facility soils for use during the CERCLA remediation of the 300 Area.	Reported in <i>303-K Storage Facility: Report on FY98 Closure Activities</i> , HNF-2959	

300 FF-2 OPERABLE UNIT
RCRA/CERCLA INTERFACES

Unit	Activity Proposed as a CERCLA Action	Status	2
303-K Storage Facility (cont'd)	Disposal of contaminated debris during demolition of the 303-K Building. Demolition of the 303-K Building will allow for clean closure of the 303-K Storage Facility.	Planned for disposal in ERDF. A CERCLA decision document will be required before the debris can be disposed of in ERDF.	
3718-F Alkali Metal Treatment and Storage Facility Referenced pages found at tab 3	"...all soil sampling and all decisions on the surrounding soil will be deferred to the CERCLA remediation of the 300-FF-2 Operable Unit." Page 7-5, Lines 4-6, <i>The 3718-F Alkali Metal Treatment and Storage Facility Closure Plan</i> , DOE/RL-91-35, Rev.2	Permit Condition V.13.B imposed Soil sampling on TSD Closure	
300 Area Waste Acid Treatment System Referenced pages found at tab 4	Pipe trench and sub trench soil - Past practice and minor WATS contamination - Page 1-2, Line 21; Page 7-21, Line 46; Page 6-1, Line 16, <i>300 Area Waste Acid Treatment System Closure Plan</i> , DOE/RL-90-11, Rev.1	300-FF-2 OU to characterize/remediate (if necessary)	
	334-A Building subfloor soil - Past-practice contamination only - Page 3-3, Line 5, <i>300 Area Waste Acid Treatment System Closure Plan</i> , DOE/RL-90-11, Rev.1	300-FF-2 OU to disposition (No deferred WATS RCRA action)	
	313 Building - South subfloor soil - Significant past-practice and potential minor WATS contamination - Page 3-4, Line 52; Page 6-1, Line 16, <i>300 Area Waste Acid Treatment System Closure Plan</i> , DOE/RL-90-11, Rev.1	300-FF-2 OU to characterize/remediate (if necessary)	
	Soils beneath WATS facilities not impacted by WATS based on intact secondary containment. Currently includes: - 333 Building - 303-F Building - 334 Tank Farm - 311 Tank Farm - Page 6-2, Line 18, <i>300 Area Waste Acid Treatment System Closure Plan</i> , DOE/RL-90-11, Rev.1	No deferred WATS action 300-FF-2 OU to characterize/remediate (if necessary)	
	Groundwater - No WATS impact - Page 5-1, Lines 17-28, <i>300 Area Waste Acid Treatment System Closure Plan</i> , DOE/RL-90-11, Rev.1	Groundwater remediation to be addressed by CERCLA	

• 3718-F Status Discussion

A SAP was prepared and approved by Ecology. The SAP addressed only target constituents identified in the Closure Plan. During the analysis of the soil samples it was decided to sample for PCB's. The soil collected at the bottom of a sump indicated some PCB contamination. A second round of sampling and analysis was performed to assess the nature and extent of contamination. Based on the results of this sampling, sump was removed and connection to 300 Area Process Sewer was cut and capped. Ecology accepted the results and allowed the unit to be "clean closed." As a result, there is no outstanding commitment from the closure of 3718-F to follow-on CERCLA activities. The administrative record contains a record of the activities discussed.

300 FF-2 OPERABLE UNIT
RCRA/CERCLA INTERFACES

Unit	Activity Proposed as a CERCLA Action	Status 3
300 Area Solvent Evaporator (300 ASE) Referenced page found at tab 5	CERCLA to final disposition site soils if 300 ASE not clean closed -Page 2-1, No. 6, <i>300 Area Solvent Evaporator Closure Plan</i> , DOE/RL-88-08, Rev. 3A	Unit clean closed – no deferred RCRA action (ref. WHC-SD-EN-TI-296 and WHC-SD-EN-TI-273)
303-M Oxide Facility	Disposition of structure, underlying soils and groundwater is assigned to CERCLA remediation. Approach established through TPA dispute resolution process. No RCRA closure plan developed for this unit.	303-M Oxide Facility to be addressed under CERCLA.
324 Pilot Plant	Not Applicable	Unit was procedurally closed. This approach documented that no regulated waste management activities occurred at this unit.
Biological Treatment Test Facilities	Not Applicable	Unit was procedurally closed. This approach documented that no regulated waste management activities occurred at this unit.
Physical and Chemical Treatment Test Facilities	Not Applicable	Unit was procedurally closed. This approach documented that no regulated waste management activities occurred at this unit.
Thermal Treatment Test Facilities	Pre-RCRA activities associated with In-situ Vitrification site assigned to CERCLA remediation. This site is identified in the associated RCRA Part A.	In-situ Vitrification site to be addressed under CERCLA
332 Storage Facilities	Not Applicable	Unit was procedurally closed. This approach documented that no regulated waste management activities occurred at this unit.
324 Building Radiochemical Engineering Cells, High-Level Vault, Low-Level Vault, and Associated Areas	Closure plan contains language specific to RCRA/CERCLA integration where applicable (see attached file 324 file with specific language).	Closure Plan pending approval at Ecology. Physical closure activities in progress.
4843 Alkali Metal Storage Facility	Not Applicable	Unit was clean closed. No mention in closure plan of any deferral to CERCLA remediation.

Attachment 5

324 REC/HLV
Project Managers' Meeting
Federal Building/Room 590-A
Richland, Washington

September 3, 1998
2:00 p.m. to 3:00 p.m.

Status of the Monthly Project Status Tracking

B & W Hanford Company

Project Review

**TP-08-324/327 Stabilization/Deactivation
Project**

July 31, 1998 Status

Project Review

TP-08-324/327 Stabilization/Deactivation Project

Accomplishments

B-Cell Project

- Completed size reduction activities on the 1B rack
- Completed internal QPP for dispersible collection
- All dunnage is off of floor and in to grout containers

Legacy Waste Project

- Packaged 34 waste buckets in July for a total of 145 to date
- Shipped 4 concrete drums to burial grounds
- Shipped 2 lead lined drums to CWC
- Completed redesign and fabrication of non-welded liner for lead lined drums

Cesium Project

- Completed all fabrication activities (inner containers, WESF outers, and type 'W' overpacks) for repackaging
- Completed functional test of the inner container design

Project Review

TP-08-324/327 Stabilization/Deactivation Project

Accomplishments (continued)

Minimum Safe Project

- Corrective Action Management – Current Status of the FEB Corrective Action Plan denotes 168 of 207 actions (81%) have been completed
- 3718G Warehouse – 90% of stored chemicals in the 3718G warehouse have been removed
- Released 324 Liquid Waste Handling Project Plan by July 31, 1998

Project Review

TP-08-324/327 Stabilization/Deactivation Project

Project Performance

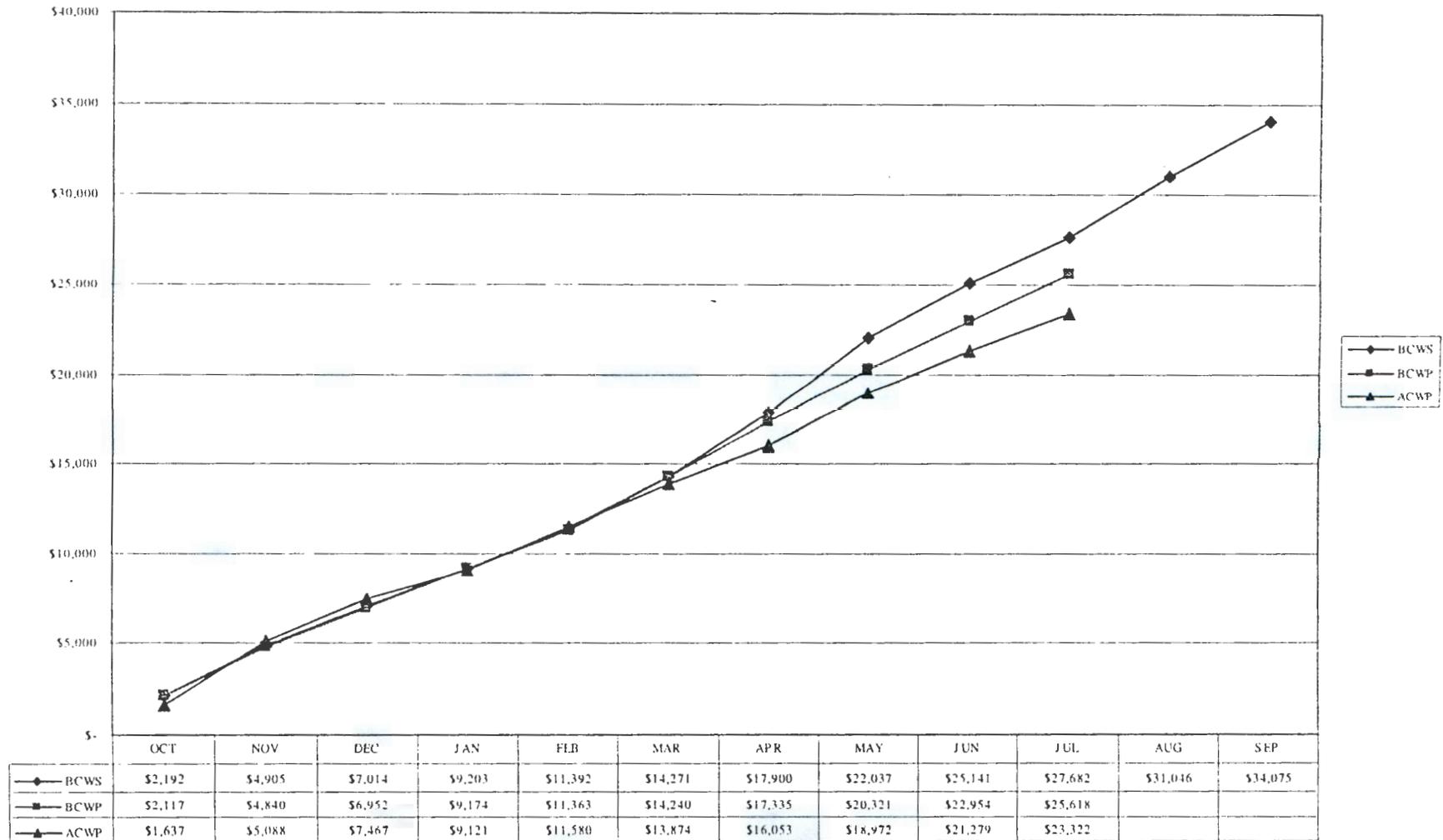
Schedule/Cost Analysis

PROJECT	Fiscal Year to Date					BAC	FYSF
	BCWS	BCWP	ACWP	SV	CV		
Minimum Safe	18,367,173	18,370,800	16,331,158	3,627	2,039,642	22,276,740	20,424,144
Closure Plan Phase	6,816,979	5,433,971	4,713,088	-1,383,008	720,883	8,634,999	7,109,741
Cesium Cleanout	702,108	584,609	808,819	-117,499	-224,210	849,187	1,048,128
327 Legacy Waste	877,089	505,681	793,197	-371,408	-287,516	1,034,758	1,362,892
A-Cell	888,000	722,000	676,000	-166,000	46,000	906,000	696,000
Grand Total	27,651,348	25,617,060	23,322,262	-2,034,288	2,294,799	33,701,684	30,640,905

Project Review

TP-08-324/327 Stabilization/Deactivation Project

324/327 Cost and Schedule Performance



Project Review

TP-08-324/327 Stabilization/Deactivation Project

Issues

B-Cell

- **Issue:** Completion of TPA commitments to meet the TPA milestone M-89-02, May 1999, *Complete Removal of Equipment and Mixed Waste from B-Cell* is significantly behind schedule.
 - **Impact** - Unable to meet Milestone M-89-02.
 - **Status/Corrective Actions** - BWHC has incorporated the workscope of Milestone M-89-02 within the 324 Building REC/HLV/LLV Closure Plan and related schedule, at Ecology's request. The schedule was submitted on June 3, 1998. While DOE-RL is awaiting Ecology response/approval on the plan, a draft milestone change request is being prepared to reflect the closure plan schedule.

Project Review

TP-08-324/327 Stabilization/Deactivation Project

Issues (continued)

- **Issue:** Eight legacy grout containers in B-Cell cannot be shipped to 200 Area Burial Grounds at this time, due to heat loading and high dose rates.
 - **Impact** -If grout containers cannot be shipped, eventually that will delay the cleanup of B-Cell.
 - **Corrective Action** -Decay heat rate of several containers do not meet current shipping requirements. Additional calculations are needed to either show compliance or to provide a basis for revising the shipping authorizations to allow shipment.

A sampling and analysis plan has been developed to better characterize the dose/rates of B-Cell equipment. It is anticipated new analysis will provide either the technical justification for declaring the grouted containers within current specifications for RH-LLW, or the basis for deciding to find another solution (size reduce or ship elsewhere).

TP	TASK PACKAGE	EARLY START	EARLY FINISH	Schedule (Gantt Chart)					
				FY98	FY99	FY00	FY01	FY02	FY03
1K4ACLSP1	324 Closure Plan Phase I	31MAR98A	18SEP01	[Gantt bar spanning FY98 to FY01]					
1K4B0P0A01	Special Case Waste Proj Mgmt & Prep	27JUL98	13JUN00	[Gantt bar spanning FY98 to FY00]					
1K4B0P0A03	Special Case Waste Site Prep/Sto	30MAR98A	21MAR00	[Gantt bar spanning FY98 to FY00]					
4B0C0A010A	TANK 119 & FY97 LEGACY WASTE PRE	30APR98A	2JUN98A	[Gantt bar spanning FY98]					
4B0C0A010C	TANK 119 & FY97 LEGACY WASTE SIZ	30MAR98A	25AUG98	[Gantt bar spanning FY98]					
4B0C0A100C	TANK 119 & FY97 LEGACY WASTE CH-	30MAR98A	20OCT98	[Gantt bar spanning FY98]					
4B0C0A100E	TANK 119 & FY97 LEGACY WASTE RH-	30MAR98A	29OCT98	[Gantt bar spanning FY98]					
4B0C0B010A	1A PLANNING AND PROCEDURES	30MAR98A	16MAR99	[Gantt bar spanning FY98]					
4B0C0B010C	1A TRAINING	11MAR99	11MAR99	[Gantt bar spanning FY99]					
4B0C0B010E	1A TOOLS/EQUIP PROCUREMENT	10OCT98	28OCT98	[Gantt bar spanning FY98]					
4B0C0B010G	1A TOOLS/EQUIP FABRICATION	10OCT98	11MAR99	[Gantt bar spanning FY98 to FY99]					
4B0C0B030E	1A SIZE REDUCTION	9APR99	30AUG99	[Gantt bar spanning FY99]					
4B0C0B030H	1A IN-CELL PACKAGING	3MAY99	2SEP99	[Gantt bar spanning FY99]					
4B0C0B090A	1A CH-CAT-1 LLW	9APR99	18AUG99	[Gantt bar spanning FY99]					
4B0C0B090C	1A CH-CAT-3 LLW	9APR99	18AUG99	[Gantt bar spanning FY99]					
4B0C0B090E	1A CH-CAT3-LLMW	9APR99	18AUG99	[Gantt bar spanning FY99]					
4B0C0B090G	1A RH-CAT3-LLW	10OCT98	10SEP99	[Gantt bar spanning FY98 to FY99]					
4B0C0D010A	1B PLANNING AND PROCEDURES	30MAR98A	10AUG98	[Gantt bar spanning FY98]					
4B0C0D010G	1B TOOLS/EQUIP FABRICATION	28MAY98A	2JUN98A	[Gantt bar spanning FY98]					
4B0C0D030A	1B JUMPER REMOVAL	19MAY98A	20MAY98A	[Gantt bar spanning FY98]					
4B0C0D030C	1B RACK REMOVAL	22MAY98A	28MAY98A	[Gantt bar spanning FY98]					
4B0C0D030E	1B RACK SIZE REDUCTION	30MAY98A	20AUG98	[Gantt bar spanning FY98]					
4B0C0D030G	1B/1A DISPERSIBLE COLLECTION	21AUG98	3SEP98	[Gantt bar spanning FY98]					
4B0C0D030H	1B IN-CELL PKG OF LLW	28MAY98A	29SEP98	[Gantt bar spanning FY98]					
4B0C0D0900	1B WASTE PROCEDURES, RWP, ALARA,	30MAR98A	14SEP98	[Gantt bar spanning FY98]					
4B0C0D090A	1B CH-CAT1-LLW	30MAR98A	14SEP98	[Gantt bar spanning FY98]					
4B0C0D090C	1B CH-CAT3-LLW	30MAR98A	14SEP98	[Gantt bar spanning FY98]					
4B0C0D090E	1B CH-CAT3-LLMW	30MAR98A	14SEP98	[Gantt bar spanning FY98]					
4B0C0D090G	1B RH-CAT3-LLW	30MAR98A	22OCT98	[Gantt bar spanning FY98]					
4B0C0F010A	2A PLANNING AND PROCEDURES	2JUN98A	14OCT98	[Gantt bar spanning FY98]					
4B0C0F030A	2A PIPETRENCH AND JUMPER REMOVAL	16SEP98	6OCT98	[Gantt bar spanning FY98]					
4B0C0F030C	2A RACK REMOVAL	7OCT98	15OCT98	[Gantt bar spanning FY98]					
4B0C0F030E	2A RACK SIZE REDUCTION	16OCT98	14JAN99	[Gantt bar spanning FY98 to FY99]					
4B0C0F030G	2A RACK DISPERSIBLE COLLECTION	23JAN99	5FEB99	[Gantt bar spanning FY99]					
4B0C0F030H	2A JUMPER REMOVAL	28OCT98	18JAN99	[Gantt bar spanning FY98 to FY99]					
4B0C0F090A	2A CH-CAT1-LLW	16SEP98	14JAN99	[Gantt bar spanning FY98 to FY99]					
4B0C0F090C	2A CH-CAT3-LLW	16SEP98	13JAN99	[Gantt bar spanning FY98 to FY99]					
4B0C0F090E	2A CH-CAT3-LLMW	16SEP98	13JAN99	[Gantt bar spanning FY98 to FY99]					
4B0C0F090G	2A RH-CAT3-LLW	27JUL98	4FEB99	[Gantt bar spanning FY98 to FY99]					
4B0C0J010A	MISC ITEMS PLANNING & PROCEDURES	1MAY00	26JUN00	[Gantt bar spanning FY00]					
4B0C0J010E	MISC ITEMS TOOLS/EQUIP PROCUREME	1MAY00	26JUN00	[Gantt bar spanning FY00]					
4B0C0J010G	MISC ITEMS TOOLS/EQUIP FABRICATI	1MAY00	26JUN00	[Gantt bar spanning FY00]					
4B0C0J030A	MISC ITEMS REMOVAL/SIZE REDUCTIO	19SEP00	7NOV00	[Gantt bar spanning FY00]					
4B0C0J030C	MISC ITEMS IN-CELL PACKAGING	27SEP00	10NOV00	[Gantt bar spanning FY00]					
4B0C0J090A	MISC ITEMS CH-CAT1-LLW	19SEP00	27OCT00	[Gantt bar spanning FY00]					
4B0C0J090C	MISC ITEMS CH-CAT3-LLW	19SEP00	27OCT00	[Gantt bar spanning FY00]					
4B0C0J090E	MISC ITEMS CH-CAT3-LLMW	19SEP00	26OCT00	[Gantt bar spanning FY00]					

BWHC
 Status as of July 26, 1998
 Closure Plan Schedule (Phase 1)

Target Date: 10OCT97
 Plot Date: 388998
 Data Date: 27JUL98
 Project Start: 10OCT97
 Project Finish: 26SEP97

Date	Revision	Checked	Approved

TP	TASK PACKAGE	EARLY START	EARLY FINISH	Schedule						
				FY98	FY99	FY00	FY01	FY02	FY03	
4B0C0J090G	MISC ITEMS RH-CAT3-LLW	1MAY00	18NOV00							
4B0G0A010A	MIXED WASTE PLANNING & PROCEDURE	30MAR98A	2JUN00							
4B0G0A010E	MIXED WASTE TOOLS/EQUIP PROCUREM	10MAR99	18APR00							
4B0G0A010G	MIXED WASTE TOOLS/EQUIP FABRICAT	22OCT99	17FEB00							
4B0G0A030A	MIXED WASTE PACKAGING	3NOV99	22MAY00							
4B0G0A030C	MIXED WASTE LOADOUT	29MAY00	7NOV00							
4B0G0A030E	IN-CELL PACKAGING OF LLW	13FEB01	3MAR01							
4B0G0A050A	MW DISPERSIBLE/TANK HEELS SAMPLI	1OCT99	11MAY00							
4B0G0A050C	MW FILTER SAMPLING	30NOV99	17FEB00							
4B0G0A0900	MW WASTE REMOVAL PROCEDURES, RMP	3NOV99	26APR00							
4B0G0A090A	MW CH-CAT1-LLW	3NOV99	5JAN00							
4B0G0A090C	MW CH-CAT3-LLW	3NOV99	5JAN00							
4B0G0A090E	MW CH-CAT3-LLW	3NOV99	5JAN00							
4B0G0A090G	MW RH-CAT3-LLW	3NOV99	9MAR01							
4B0J0A010A	CELL CLEANING PLANNING & PROCEDU	2OCT00	26MAR01							
4B0J0A010E	CELL CLEANING TOOL/EQUIP PROCURE	1JUN00	28DEC00							
4B0J0A010G	CELL CLEANING TOOLS/EQUIP FABRIC	1JUN00	2JUN00							
4B0J0A030A	INITIAL INTEGRITY ASSESSMENT	8NOV00	21NOV00							
4B0J0A030C	CELL CLEANING	8NOV00	24AUG01							
4B0J0A030E	POST INTEGRITY ASSESSMENT	18APR01	2MAY01							
4B0J0A030G	POST INTEGRITY NDE	3MAY01	25SEP01							
4B0J0A030J	LINER REMOVAL	18MAY01	24AUG01							
4B0J0A030L	POST INTEGRITY GAMMA SCAN & RAD	15AUG01	29AUG01							
4B0J0A030M	TASK CLOSURE	30AUG01	13SEP01							
4B0J0A030P	ENDPOINT CLOSURE	19SEP01	3OCT01							
4B0J0A030R	RCRA CLOSURE	5AUG01	18SEP01							
4B0J0A050A	CELL CLEANING RLW SAMPLING	15FEB01	1MAR01							
4R010A011	324 RLWS PROJECT MANAGEMENT	30MAR98A	21JUN00							
4R010A012	324 RLWS ENGINEERING STUDIES	30MAR98A	14JUN99							
4R010A013	324 RLWS ENVIRONMENTAL DOCUMENTATION	26APR98A	13JUL99							
4R010A014	324 RLWS USQ REVIEW	1OCT99	28OCT99							
4R010A015	324 RLWS START UP REVIEW	22MAY00	19JUN00							
4R010A021	324 RLWS DESIGN AND ENGINEERING SUPPORT	27JUL98	23APR99							
4R010A031	324 RLWS CONSTRUCTION/MODIFICATIONS	1MAR00	7JUL00							
4R010A033	324 RLWS PROCEDURE PREPARATION	22MAY00	16AUG00							
4R010A035	324 RLWS ACCEPTANCE TESTING	22MAY00	9NOV00							
4R010A037	324 RLWS OPERATIONS TRAINING	22MAY00	12OCT00							

BWHC
Status as of July 26, 1998
Closure plan Schedule (Phase 1)

Target Date 10CT97
Plot Date 28SEP98
Data Date 27JUL98
Project Start 10CT97
Project Finish 28SEP97

Date	Revision	Checked	Approved

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