

324 REC/HLV
Project Managers' Meeting
Federal Building/Room 554
Richland, Washington

March 15, 2001
2:30 p.m. to 3:30 p.m.

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



Date: 4/12/01
David C. Langstaff, RL Representative



Date: 4/12/01
F. W. Bond, Washington State Department of Ecology



Date: 12 April 2001
J. M. Barnett, Contractor Representative, FH

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

RECEIVED
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- Attachment 1 - Agenda
- Attachment 2 - Summary of Discussion and Commitments/Agreements
- Attachment 3 - Attendance List
- Attachment 4 - Letter, R. Bond, Ecology, to C. E. Clark, RL, "Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement) Interim Milestone M-89-02, Complete Removal of 324 Building Radiochemical Engineering Cells (REC) B-Cell Mixed Waste (MW) and Equipment, November 30, 2000", dated March 13, 2001.
- Attachment 5 - February 2000 324 Building B-Cell Highlights
- Attachment 6 - 324 Building M-89-02 Checklist as of 3/12/01 redline/strikeout version
- Attachment 7 - 324 Building M-89-02 Checklist as of 3/12/01

EDMC

Attachment 1

**324 REC/HLV
Project Managers' Meeting
Federal Building, Room 554
Richland, Washington**

**March 15, 2001
2:30 p.m. - 3:30 p.m.**

AGENDA

1. Introduction(s)
2. Previous meeting minutes
3. B-Cell cleanout project status
 - a. Ecology approval letter to leave six equipment items in B-Cell.
 - b. M-89-02 Milestone revised schedule/activities status
 - c. Recent Progress/highlights
 - d. TPA interim milestone M-89-02 actions/performance standards checklist showing M-89-02 status.
4. Action item review
 - a. Bring videotape showing B-Cell activities
 - b. Other action(s)
5. Other topics/discussion
 - a. Future 324 Building visits/workshops as appropriate
 - b. Documents/letters protocol information
 - c. Other Topics
6. Schedule next meeting

Attachment 2

**324 REC/HLV
Project Managers' Meeting
Federal Building, Room 554
Richland, Washington**

**March 15, 2001
2:30 p.m. - 3:30 p.m.**

1. Introduction(s)

Kimberly Williams (RL) was introduced.

2. Previous Meeting Minutes

The January 11, 2001 and February 7, 2001 Project Manager Meeting (PMM) minutes were approved.

3. B-Cell cleanout project status

a. Ecology approval letter to leave six equipment items in B-Cell

M. Barnett (FH) distributed a copy of the Ecology approval letter to leave six equipment items in B-Cell (Attachment No. 4). D. Singleton (Ecology) noted the last paragraph on the first page of the letter regarding a plan and schedule for removal of the six equipment items within 90 days. J. Perry (FH) clarified that Ecology's intent was for a plan and schedule to be provided in 90 days and not removal of the equipment. D. Singleton concurred. RL and FH have an action to provide a plan and schedule to Ecology within 90 days, addressing the disposition of the six equipment items.

D. Langstaff (RL) asked if Ecology wanted the disposition plan/schedule for the other equipment left in B-Cell to be included in the plan and schedule requested in Ecology's 3/13/01 letter. D. Singleton initially indicated that it was not necessary. D. Langstaff felt that understanding the disposition plan/schedule for all the essential equipment listed in the Checklist and the six additional items would be of value as we continued to monitor progress. Ecology agreed that if the disposition plan/schedule for the other equipment is not addressed in the project management plan (PMP), it should be included in the plan and schedule requested in Ecology's 3/13/01 letter.

b. M-89-02 Milestone revised schedule/activities status

M. Barnett reported that vacuuming of B-Cell dispersibles has been completed. T. Erickson (FH) indicated that the 3-82B container shipments had begun. The steel waste disposal box (SWDB) associated with rectangular grout container (RGC) 115 has been packaged and loaded out, and is waiting for DOE-RL approval to be shipped. D. Singleton asked if waiting for approval for the SWDB associated with RGC 115 would impact activities in A-Cell. M. Barnett responded that preparations are being made to load out grout containers from A-Cell, and the SWDB associated with RGC 115 can be moved in and out of the airlock on an as-needed basis. Ecology will receive electronic notification when the SWDB associated with RGC 115 is shipped. Cleanout of B-Cell is on schedule to meet the 03/30/01 milestone date.

c. Recent progress/highlights

M. Barnett distributed a handout providing the 324 Building B-Cell highlights from 02/01/01 through 02/28/01 (Attachment No. 5). The end of February status shows RGC 115, which is the tenth and final RGC, is being filled with mixed waste.

d. TPA interim milestone M-89-02 actions/performance standards checklist showing M-89-02 status

M. Barnett provided two handouts of the 324 Building M-89-02 checklist. The first handout was the redline/strikeout version of the checklist (Attachment No. 6), and the second handout was the current March 12, 2001 version (Attachment No. 7), with redline/strikeouts incorporated.

M. Barnett pointed out dates that were changed on pages two, three and four, based on the fact that additional vacuuming was performed between February 26 and March 1, 2001. M. Barnett noted that on page seven the action for the sump trench cover screen was considered closed prior to February 27, 2001. The screen could not be located during viewing of the videotape logs. On page ten it was noted that there is a partially filled grout container that will remain in B-Cell until it is filled with additional low-level waste.

4. Action Item Review

a. Bring videotape showing B-Cell activities

Ecology requested four videotapes depicting a baseline of the B-Cell floor and scraping and vacuuming. Four videos were brought to the meeting. One of the videos was reviewed, and it was determined the activity on the video did not correspond with the label. Two actions resulted: 1) D. Langstaff and N. Krohn (FH) will review the four videos and provide the videos requested by Ecology on March 21, 2001; 2) D. Langstaff and N. Krohn will go to the Ecology office and

inventory the videos that have been provided to Ecology. They will subsequently provide copies of the videos to G. Williams (RL/TPA).

It was noted that in the future, FH will provide D. Langstaff with two copies of videos and/or documents. D. Langstaff will be responsible for transmitting once copy to Ecology and the other copy to G. Williams.

b. Other action(s)

There were no other actions to status.

5. Other topics/discussion

a. Future 324 Building visits/workshops as appropriate

There are no visits/workshops currently planned.

b. Documents/letters protocol information

This item was deferred to the April 2001 PMM.

c. Other topics

D. Langstaff initiated a discussion regarding documenting completion of the B-Cell cleanout portion of M-89-02.

D. Singleton agreed that a cover letter stating that M-89-02 MW removal activities had been completed, along with an attached updated checklist would suffice. T. Erickson indicated that FH would not be able to submit such a letter to RL for subsequent transmittal to Ecology until RL transmits Ecology's 3/13/01 letter to FH.

6. Schedule Next Meeting

The next meeting was scheduled for April 12, 2001, at the Federal Building in Richland, Washington.

Attachment 3

Attendance List

Meeting Title: 324 Building REC/HLV Project Managers Meeting (PMM)

Date: March 15, 2001

Original included in hard copy.

Name	Company	Phone Number
J Matthew Barnett	FH	373-2928
DAVID C. LANGSTAFF	DOE-RL	376-5580
Jan Perry	FH - RCP	376-4791
KIM WILLIAMS	DOE-RL	373-1641a
Deborah Singleton	Ecology	736-5722
Gloria Williams	DOE-RCA	372-0586
Kathy Knox	Knox Court Reporting	946-5535
TIM BRIDGEMAN	FH	373-0295
DAVE EVANS	DOE-RL	373-9278

Dave Templeton DOE-RL 373-2966
 Rick Bond Ecology 736-3007

Attachment 4

**324 REC/HLV
Project Managers' Meeting
Federal Building, Room 554
Richland, Washington**

**March 15, 2001
2:30 p.m. - 3:30 p.m.**

Letter, R. Bond, Ecology, to C. E. Clark, RL, "Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement) Interim Milestone M-89-02, Complete Removal of 324 Building Radiochemical Engineering Cells (REC) B-Cell Mixed Waste (MW) and Equipment, November 30, 2000", dated March 13, 2001.



STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

1315 W. 4th Avenue • Kennewick, Washington 99336-6018 • (509) 735-7581

March 13, 2001

Mr. Clifford E. Clark, Acting Program Manager
Office of Regulatory Liaison
United States Department of Energy
Richland Operations Office
P.O. Box 550, MSIN: A5-15
Richland, Washington 99352

Dear Mr. Clark:

Re: Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement)
Interim Milestone M-89-02, Complete Removal of 324 Building Radiochemical
Engineering Cells (REC) B-Cell Mixed Waste (WM) and Equipment, November 30,
2000

The Washington State Department of Ecology (Ecology) has received your letter, dated February 23, 2001, which addresses the need to retain several pieces of equipment that have been developed, used, and found to be suitable for future deactivation activities. These items are as follows:

- Rectangular Overpack Disposal Container (RODC) Lifting Fixture (Spreader Bar);
- Band Saw;
- Chop Saw;
- Bigelow Scraper;
- Wagon Wheel; and
- Crane Deployed Vacuum System.

Although these items were not specifically identified in the previous listing of remaining equipment, your statement of justification for keeping them provided sufficient information for Ecology to concur with your need to maintain those pieces of equipment for future deactivation work.

This concurrence is contingent upon receipt of an Ecology approved plan and schedule for removal of the remaining equipment (excluding cranes and manipulators) within ninety (90) days of receipt of this letter.

Mr. Clifford E. Clark
March 13, 2001
Page 2

If you have any questions, please feel free to contact me at (509) 736-3007, or Deborah Singleton at (509) 736-5722.

Sincerely,



Rick Bond, Transition Project Manager,
Nuclear Waste Program

RB:sb

cc: David Templeton, USDOE
Roger Bowman, FH
David Rasmussen, FH
Todd Martin, HAB
J.H. Richards, CTUIR
Pat Sobotta, NPT
Russell Jim, YN
Mary Lou Blazek, OOE
Administrative Record: Transition & Milestone M-89-02/324 REC

Attachment 5

**324 REC/HLV
Project Managers' Meeting
Federal Building, Room 554
Richland, Washington**

**March 15, 2001
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February 2000 324 Building B-Cell Highlights

324 Building B-Cell Highlights (02/01/01 – 02/28/01) for 03/15/01 PMM

Mixed waste (MW) Activities

Steel Waste Disposal Box (SWDB) Container MW Shipments to 200 Area

- Obtained approval to ship SWDB with bottom hot spots exceeding 1000 mrem/hr.
- Shipped two additional SWDBs to the 200 Area Central Waste Complex (CWC)

RGC-324-00-119	02/01/01	8 th SWDB shipment
RGC-324-00-117	02/06/01	9 th SWDB shipment

SWDB Loadouts and staging of SWDBs for shipment

- No SWDBs remaining in 90-day area since shipment of SWDB RGC-324-00-117.

Filling/Loading MW items into Rectangular Grout Containers (RGC) within B-Cell

- Continued clamshelling of MW dispersibles into RGC-324-00-115 (10th SWDB).
- Performed scraping and clamshelling of dispersibles in areas viewed on 02/04/01.
- Performed comprehensive videotaping of B-Cell floor.
- Scraped, clamshelled, vacuumed, and videotaped B-Cell floor dispersible removal.

Non-Mixed Waste (non-MW) Activities

- Size reduced the 6-inch diameter steel filled leg and loaded into GC.
- Size reduced steel window frame shield and loaded into GC.
- Completed filling/loading of GC-118 and GC-160.
- Rinsed and dose profiled GC-118 and GC-160 and moved to A-Cell for staging.
- Continued loading GC-88.

Key Support Activities

- Replaced two manipulators.
- Initiated cold testing of crane-deployable backup vacuuming unit (for dispersibles).
- Rinsed 5000-lb block (backup vacuuming unit fixture) and obtained contact dose rate.
- Drained hydraulic fluid from LaBounty shear and hoses; cut up and placed in GC.
- Drained hydraulic fluid from Champion hoses and loaded hoses into GC.
- Washed electrostatic precipitators (ESPs).
- Installed crane-deployed vacuum unit in B-Cell and completed setup.
- Initiated vacuuming of B-Cell floor using crane-deployed vacuum unit on 02/08/01.
- Ecology observed B-Cell vacuum deployment during 02/08/01 visit to 324 Building.
- Met with Ecology at 324 Building visit/meeting 02/08/01, discussed B-Cell equipment.
- Obtained dose measurements on two sample cans and one small filter.
- Conducted review of in-cell vacuuming progress and videotape review with Ecology on 02/14/01, 02/16/01, 02/22/01, and 02/23/01.
- Completed fabrication of replacement arm and aluminum block for crane-deployed vacuum.
- Continued vacuuming main area of B-Cell floor with crane-deployed vacuum on 3-ton crane.
- Installed Dispersible Removal System (DRS) in B-Cell on 02/15/01.
- Performed scraping using DRS with flat-bar hoe, along south wall, near floor trench.
- Performed vacuuming with DRS, vacuumed southeast area in B-Cell.
- Fabricated or modified in-cell scraping and vacuuming tools, including vacuum heads, hoes, rake, squeegee, and snow-blade.
- Submitted letter to DOE RL, and DOE RL submitted letter to Ecology, identifying and requesting several B-Cell equipment items to be saved for future deactivation activities, based on radiation exposure, waste minimization, and replacement cost considerations.

Schedule

- Continued campaign of 24-hour/day operations during February (started 01/29/01).
- On track with revised schedule for B-Cell MW removal and shipping for M-89-02 by 3/30/01.
- On track for non-MW removal and shipping by 7/31/01.

Attachment 6

**324 REC/HLV
Project Managers' Meeting
Federal Building, Room 554
Richland, Washington**

**March 15, 2001
2:30 p.m. - 3:30 p.m.**

324 Building M-89-02 Checklist as of 3/12/01 redline/strikeout version

324 BUILDING – TRI-PARTY AGREEMENT MILESTONE M-89-02 CHECKLIST –~~FEBRUARY-27~~MARCH 12, 2001

The Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement) Milestone M-89-02 is defined in Tri-Party Agreement Change Number M-89-98-03 (Reference 1 below) as “Complete removal of 324 Building REC B-Cell MW and Equipment”. The M-89-98-03 change indicates that containerized mixed-waste (MW) will be managed in compliance with Chapter 173.303 WAC (Washington Administrative Code, Dangerous Waste Regulations), thereby reducing risks to human health and the environment. It also indicates that any remaining residues will be managed through the final closure process.

The checklist provided consists of a list of the actions and conditions described in the DOE RL letter number 00-FTD-006, “Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement) Interim Milestone M-89-02, Complete Removal of 324 Building REC B-Cell MW and Equipment, November 30, 2000” (Reference 2 below). The RL letter was submitted to Ecology on December 08, 1999. The RL letter provided an Attachment and a Table to provide greater definition for the performance standards to be met by interim milestone M-89-02. Ecology concurred with RL letter 00-FTD-006 in a response letter (same subject) to RL, dated February 28, 2000 (Reference 3 below). Detailed B-Cell equipment information regarding useable deactivation equipment was provided in a one-page information handout at the May 18, 2000, Project Manager Meeting (Reference 4 below). Ecology provided clarifications regarding the interim milestone M-89-02 in a one-page handout at the August 9, 2000, Project Managers’ Meeting (Reference 5, Attachment 6, Ecology handout regarding use of 90-day MW accumulation area and clarifications regarding M-89-02 milestone performance standard). Note: The non-shaded areas in the checklist table will be used to provide status information for activities/measures.

References:

- 1) TPA Change Number M-89-98-03, for Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement, TPA), regarding Milestone M-89-02, November 1998
- 2) DOE RL Letter No. 00-FTD-006, “Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement) Interim Milestone M-89-02, Complete Removal of 324 Building REC B-Cell MW and Equipment, November 30, 2000”, dated December 08, 1999
- 3) Ecology letter dated February 28, 2000, same subject as reference (2)
- 4) 324 REC/HLV Project Managers’ Meeting, May 18, 2000, Meeting Minutes, Attachment 4, List of Usable Deactivation Equipment, 324 Building, M-89-02, Detailed B-Cell Equipment Information 5/18/00
- 5) 324 REC/HLV Project Managers’ Meeting, August 9, 2000, Meeting Minutes
- 6) DOE-RL Letter 01-FTD-014, “Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement) Interim Milestone M-89-02, Complete Removal of 324 Building Radiochemical Engineering Cells Mixed Waste (MW) and Equipment, November 30, 2000,” dated February 23, 2001.

324 BUILDING TRI-PARTY AGREEMENT INTERIM MILESTONE M-89-02 CHECKLIST SHOWING STATUS AS OF

02/27/0103/12/01

Action/Requirement/Conditions	Status (Complete (X) In Progress (P))	Status Statement	% Complete	Estimated Completion Date	Actual Completion Date	Documentation Completed
<p>1) First Distinct Action for M-89-02 (reference 1): Mixed waste (MW) must be containerized, removed from B-Cell and placed in a condition that is compliant with Chapter 173.303 of the WAC</p> <p>Performance standard for First Distinct Action:</p> <ul style="list-style-type: none"> • Removal of MW from the REC B-Cell requires the collection and containerization of dispersible material from the B-Cell • Collection will not include destructive and/or chemical methods (i.e., spalling or decontamination washes) so that a determination of liner integrity (closure activity required post M-89-02) can be made prior to liner decontamination • The dispersible material will be containerized in a compliant (with receipt facility acceptance criteria) container system • Containerized dispersible material will be removed from REC B-Cell and may be moved to an interim storage area 						
<p>Activity(s)/Measure(s): 1a Perform collection and containerization of dispersibles through retrieval with a pneumatic clamshell from the B-Cell floor (reference 1)</p>	X	Clamshelling of B-Cell floor has been completed. Clamshelling was performed after clearing and scraping the floor.	100%		02/26/0103/ 01/01	Cell diagram and videotape

Action/Requirement/Conditions	Status (Complete (X) In Progress (P))	Status Statement	% Complete	Estimated Completion Date	Actual Completion Date	Documentation Completed
1b Following clamshelling (1a above), collect dispersibles by performing a filtered vacuum of the B-Cell floor (reference 1) (NOTE: Invite Ecology to observe vacuuming and documentation.)	X	<p>The crane-deployed vacuum system was installed in the B-Cell using existing 5000-lb block for fixture/stability, and vacuuming of the main B-Cell floor area was performed.</p> <p>The Dispersible Removal System (DRS) vacuuming unit was also installed in B-Cell and vacuuming of difficult areas was performed using the DRS.</p> <p>Vacuuming activities have been completed for all grid sections of the B-Cell floor.</p> <p>Vacuuming status was based on systematic grid approach using cell diagrams and video taping.</p> <p>Ecology was invited and observed vacuuming activities as appropriate in person, and on videotape.</p>	100%		02/27/0103/ 01/01	Cell diagram and videotape

Action/Requirement/Conditions	Status (Complete (X) In Progress (P))	Status Statement	% Complete	Estimated Completion Date	Actual Completion Date	Documentation Completed
<p>Ic Transfer dispersibles collected by these methods into containers for interim storage (reference 5, Section 5.6, directly loading MW dispersibles into rectangular grout containers))</p>	<p>X</p>	<p>An estimated seven (7) RGCs will contain primarily dispersibles. Transfer of dispersibles into RGCs has been completed for seven(7) of seven (7) expected dispersibles RGCs, including following containers:</p> <p style="padding-left: 40px;">RGC-324-00-123 (RGC-5) RGC-324-00-114 (RGC-8) RGC-324-00-117 (RGC-9) RGC-324-00-101 RGC-324-00-102 RGC-324-00-119 RGC-324-00-115</p> <p>These RGCs contain some MW debris and MW equipment, but will be tracked as dispersibles RGCs on this checklist.</p> <p>Loading of MW into RGC-324-00-115 has been completed. (NOTE: this RGC is approximately 85% full.)</p>	<p>100%</p>		<p><u>02/27/01</u> <u>03/01/01</u></p>	<p>Videotape </p>

Action/Requirement/Conditions	Status (Complete (X) In Progress (P))	Status Statement	% Complete	Estimated Completion Date	Actual Completion Date	Documentation Completed
Activity(s)/Measure(s) (continued): Id Move containerized dispersibles to a compliant mixed waste storage area (reference 1)						
Id.1 Remove containerized MW dispersible material from B-Cell (reference 1). -MW containers will be staged/moved to a 324 Building 90-day MW accumulation area after packaging and radiological survey. This provides waste management controls commensurate with WAC 173-303 dangerous waste accumulation requirements. Ecology concurrence (through enforcement discretion) is applicable for this activity since the MW is not newly generated (reference 5).	P	An estimated seven (7) RGCs will contain mostly dispersibles. Six (6) of the nine (9) expected dispersibles RGCs have been removed from B-Cell, including the following: RGC-324-00-123 (RGC-5) RGC-324-00-114 (RGC-8) RGC-324-00-101 RGC-324-00-102 RGC-324-00-117 (RGC-9) RGC-324-00-119	86%			
Id.2 Complete shipment (and receipt) of containerized MW dispersible material to 200 Area Central Waste Complex compliant MW storage area by 11/30/00 (reference 5) ¹	P	Shipping has been completed for six (6) of the seven (7) expected dispersibles RGCs, including the following: RGC-324-00-114 (10/09/00) RGC-324-00-123 (12/01/00) RGC-324-00-101 (01/09/01) RGC-324-00-102 (01/26/01) RGC-324-00-119 (02/01/01) RGC-324-00-117 (02/06/01)	86%			

¹ Reference 5, Attachment 6, indicates that all collected mixed waste must be removed from the 324 Building B-Cell and placed in compliant, long-term storage in the 200 Area prior to the deadline established by M-89-02 (November 30, 2000).

Action/Requirement/Conditions	Status (Complete (X) In Progress (P))	Status Statement	% Complete	Estimated Completion Date	Actual Completion Date	Documentation Completed
2) Second Distinct Action for M-89-02 (reference 1):						
<p>The second distinct action required under interim milestone M-89-02 requires the removal of excess equipment from the REC B-Cell</p> <p>Table attached to RL letter 00-FTD-006 provides all equipment currently within the REC B-Cell and defines "Excess" versus "Required" equipment</p> <p>Performance Standard for Second Distinct Action:</p> <ul style="list-style-type: none"> Removal and containerization of all equipment (excluding Spent Nuclear Fuel) from B-Cell not required for the implementation of further closure actions and/or deactivation endpoints as established in the Closure Plan and the 324/327 Buildings integrated Project Management Plan (PMP), HNF-1289 Excess equipment is defined in the attachment (pages 4-6) to RL letter 00-FTD-006, which provides the listing of B-Cell and a determination of its disposition status per M-89-02 						

Action/Requirement/Conditions	Status (Complete (X) In Progress (P))	Status Statement	% Complete	Estimated Completion Date	Actual Completion Date	Documentation Completed
Activity(s)/Measure(s): 2a Containerize following "Excess" equipment from B-Cell (reference 1):						
2a.1 Rack 2A and remaining portions of previously size reduced racks	X	The last process rack, 2A, was size reduced in April 2000 and the last remnants (contained within non-MW grout containers) were relocated to A-Cell in June 2000. Containerization of remaining portions of racks was completed. <u>GC-118 and GC-160 were moved out of B-Cell on 02/04/01.</u>	100%		02/27/01	Waste container contents and videotape
2a.2 2,265-kilogram steel block (NOTE: Per Reference 6, this item was recategorized as "required" equipment for future 324 REC closure and deactivation activities.)	See 2a.2 note	This item is also called the 5,000 lb block. This block has been incorporated as a fixture/stabilizer for the newly developed crane-deployed vacuuming system.	See 2a.2 note	See 2a.2 note	See 2a.2 note	Videotape
2a.3 Sump trench cover screen (east end of B-Cell floor)	X	Screen has been removed previously.	100%		≤02/27/01	Videotape

Action/Requirement/Conditions	Status (Complete (X) In Progress (P))	Status Statement	% Complete	Estimated Completion Date	Actual Completion Date	Documentation Completed
2a.4 Waste containers (with contents requiring transfer into other containers) i.e., grout containers (non-MW), engineered containers (MW), and rectangular grout containers (RGC) (MW). These include GC-88, GC-115, GC-120, RGC-0, and engineered containers in wagon wheel.	X	<p>Disposition/repackaging of waste from all of the subject five (5) items has been completed, including:</p> <p>GC-115 GC-120 GC-88 Wagon wheel EC dispersible RGC-0</p> <p>Repackaging of contents of RGC-0 was completed.</p> <p>All wagon wheel EC dispersibles have been loaded into RGCs.</p> <p>The wagon wheel storage rack now contains two (2) empty ECs.</p>	100%		02/22/01	Waste containers contents
2a.5 Storage rack (wagon wheel holding engineered containers) used for Special-Case Waste and MW. (NOTE: Per Reference 6, this item was recategorized as "required" equipment for future 324 REC closure and deactivation activities.)	See 2a.5 note	This rack is needed to hold ECs during future 324 REC closure/deactivation activities.	See 2a.5 note	See 2a.5 note	See 2a.5 note	See 2a.5 note

Action/Requirement/Conditions	Status (Complete (X) In Progress (P))	Status Statement	% Complete	Estimated Completion Date	Actual Completion Date	Documentation Completed
Activity(s)/Measure(s) (continued) 2b Remove containerized excess equipment designated as MW (in RGCs) from B-Cell (reference 1).	X	The lead shield plugs have been removed from B-Cell. Three (3) of the three (3) expected MW equipment RGCs have been removed from B-Cell, including the following: RGC-324-00-083 (RGC-4) RGC-324-00-103 (RGC-6) RGC-324-00-104	100%		01/15/01	Waste containers contents
2c Ship containerized excess equipment designated as MW (in RGCs/SWDBs) to 200 Area by 11/30/00 (reference 5) ² .	X	Shipping has been completed for three (3) of the expected three (3) SWDBs containing MW equipment RGCs, including the following: RGC-324-00-083 (09/28/00) RGC-324-00-103 (09/30/00) RGC-324-00-104 (01/15/01)	100%		01/15/01	Shipping papers/manifest

² Reference 5, Attachment 6, indicates that all collected mixed waste must be removed from the 324 Building B-Cell and placed in compliant, long-term storage in the 200 Area prior to the deadline established by M-89-02 (November 30, 2000).

Action/Requirement/Conditions	Status (Complete (X) In Progress (P))	Status Statement	% Complete	Estimated Completion Date	Actual Completion Date	Documentation Completed
2d Remove containerized excess equipment designated as non-MW (in grout containers) from B-Cell (to be staged in A-Cell) by 11/30/00 (reference 5) ³ .	P	<p>Thirty-seven (37) of the thirty-eight (38) expected grout containers filled with non-MW excess equipment have been removed from B-Cell. <u>One partially filled GC remains in B-Cell.</u></p> <p>Twenty (20) of these containers are staged in the 324 Building A-Cell, awaiting future shipment.</p>	97%			
2e Ship excess equipment designated as non-MW (in grout containers) to 200 Area storage by 7/31/01 (reference 5) ³	P	Seventeen (17) of the thirty-eight (38) expected grout containers filled with excess equipment have been shipped to 200 Area storage.	44%			

³ Reference 5, Attachment 6, indicates that the non-mixed waste (grout containers) removed from B-Cell (and stored/staged in A-Cell) will be moved to compliant, long-term storage in the 200 Area. Reference 5 indicates that the deadline for this activity will appear as a DOE (RL) milestone for the next fiscal year (2001) and will occur within eight months after the completion date required by Tri-Party Agreement Milestone M-89-02 (i.e., within eight months after November 30, 2000).

Action/Requirement/Conditions	Status (Complete (X) In Progress (P))	Status Statement	% Complete	Estimated Completion Date	Actual Completion Date	Documentation Completed
2f Following "Required" equipment to remain in B-Cell to support closure activities (reference 1): <ul style="list-style-type: none"> • Cell penetration plugs • West window work tray • 10-ton crane (overhead crane) • 3-ton crane (overhead crane) • Two temporary fuel storage racks⁴ • Fuel pin storage container (gattling gun)⁴, west wall • Fuel thimbles⁴, west side of B-Cell in fuel storage racks • Installed electrostatic precipitators and HEPA (particulate) filters, north wall • Installed manipulators • Empty grout containers, lids, engineered containers, RGCs • Useable deactivation equipment including following (references 1 and 4): <ul style="list-style-type: none"> • Fire protection hoses and nozzles (needed for fire protection) • Installed and functioning camera systems, including pan/tilt heads, mounts, etc. (needed for size reduction of fuel storage equipment, as well as cleanout of pipe trench and D-Cell) (Continued on next page)						

⁴ SNF currently stored within B-Cell will remain in B-Cell pending availability of the 200 Area Interim Storage Area (ISA). This is a delay in the removal of the fuel out of B-Cell. The former schedule had an interim movement of this fuel out of B-Cell and into A-Cell pending availability of the ISA. The project will benefit by eliminating this interim move within the facility and result in an earlier shipment of SNF out of the 324 Building, and allow for an overall better sequencing of closure activities within the 324 Building.

Action/Requirement/Conditions	Status (Complete (X) In Progress (P))	Status Statement	% Complete	Estimated Completion Date	Actual Completion Date	Documentation Completed
<ul style="list-style-type: none"> • Useable deactivation equipment (continued) <ul style="list-style-type: none"> • Fixed and portable lights (needed for viewing the cell) • Jib crane (accompanies 3-ton crane) and auxiliary hooks for 10-ton and 3-ton cranes (needed for fuel pin consolidation and size reduction of fuel storage equipment) • Torches and cables (needed for size reduction of fuel storage equipment) • Clamshells (needed for removal of size reduced fuel storage equipment as well as cleanout of pipe trench and D-Cell) • Dispersibles Removal System (DRS) attachments (needed for cleanout of D-Cell particulate material) • Vacuum system and hoses (needed for cleanout of D-Cell and pipe trench material) • Extension cords and cables (needed for operating installed equipment including electrostatic precipitators, portable lights, cameras, and DRS system) • Labounty shear (needed for size reduction of fuel storage rack) (NOTE: Per discussions with Ecology and RL at the 02/08/01 visit/meeting at the 324 Building, the Labounty shear is being recategorized as "excess" equipment, and has been packaged in a grout container.) • Rinsing equipment (needed to support future deactivation packaging and loadout of low-level waste and transuranic waste materials and equipment into 3-82B grout containers) • Grouting equipment (needed for grouting future low-level; waste 3-82B grout containers) 						

Action/Requirement/Conditions	Status (Complete (X) In Progress (P))	Status Statement	% Complete	Estimated Completion Date	Actual Completion Date	Documentation Completed
<p>Useable deactivation equipment (continued)</p> <p>Per Reference 6, the following recently developed items were added to the "required" useable deactivation equipment:</p> <ul style="list-style-type: none"> • RODC lifting fixture (for lifting/handling future RODCs) • Band saw (for size reduction of REC equipment) • Chop saw (for size reduction of REC equipment) • Bigelow scraper (for REC floor cleaing) • Wagon wheel (a web assembly used to keep engineered containers vertical for filling) • Crane deployed vacuum system (integral of which is the 5000 lb block). 						
3) Third Distinct Action (reference 1):						
<p>Removal of debris from B-Cell</p> <p>Performance Standard for Third Distinct Action:</p> <ul style="list-style-type: none"> • Miscellaneous debris (i.e., tools, metal scrap, manipulator boots) located on B-Cell floor will be removed from B-Cell and packaged for removal • Packaged debris will be removed from the REC B-Cell 						
<p>Activity(s)/Measure(s):</p> <p>3a Collect debris from B-Cell (reference 1)</p>	X	Debris is collected using clamshelling method. Clamshelling has been performed in open areas. Remaining clamshelling will be statused using systematic grid approach.	100%		02/27/0103/ 01/01	Cell diagram and videotape

Action/Requirement/Conditions	Status (Complete (X) In Progress (P))	Status Statement	% Complete	Estimated Completion Date	Actual Completion Date	Documentation Completed
3b Rinse and package debris consistent with the size-reduced equipment removed from B-Cell (reference 1)						
Activity(s)/Measure(s) (continued): 3b.1 Containerize non-MW debris using cylindrical Grout Containers (GCs) (reference 5):	X	Containerization of non-MW debris into cylindrical grout containers (GC) is essentially completed. Remaining clamshelling of B-Cell debris is expected to yield entirely MW debris, based on virtually all non-MW debris already having been recovered and containerized. MW debris is containerized within RGCs (addressed in Section 3.b.2 below). <u>GC-110 and GC-116 were moved out of B-Cell on 02/04/01.</u>	100%		02/27/01	Cell diagram and videotape
3b.2 Containerize MW debris using Rectangular Grout Containers (RGCs) (reference 5):	X	Containerization of MW debris (by clamshelling, Section 3a) was completed. The MW debris was containerized into the RGCs addressed in Section 1a (MW dispersibles) and Section 2b (MW excess equipment) for packaging efficiency reasons.	100%		02/27/01 03/01/01	Cell diagram and videotape
3c Remove containerized debris from B-Cell (reference 1)						

Action/Requirement/Conditions	Status (Complete (X) In Progress (P))	Status Statement	% Complete	Estimated Completion Date	Actual Completion Date	Documentation Completed
Activity(s)/Measure(s) (continued): 3c.1 Remove containerized non-MW debris (GCs) from B-Cell (to be staged in A-Cell) by 11/30/00 (reference 5) ⁵	P	Non-MW debris has been containerized into the same GCs addressed in Section 2d (non-MW excess equipment) for packaging efficiency reasons. Thirty-seven (37) of the thirty-eight (38) expected non-MW GCs have been removed from B-Cell. Twenty (20) of these are staged in A-Cell, awaiting future shipment.	97%			Waste containers contents
3c.2 Remove containerized MW debris (RGCs) from B-Cell by 11/30/00 (reference 5)	P	Six (6) of the expected seven (7) dispersibles RGCs (Section 1.d.1) have been removed from B-Cell.	86%			Waste loadout documentation
3d Ship containerized debris to 200 Area compliant storage (reference 1)						
3d.1 Ship containerized non-MW debris (GCs in liner assembly/3-82 B cask) to 200 area compliant storage by 7/31/01 (reference 5) ⁵ . Approximately five of the GCs will be categorized as low-level waste and are expected to therefore require grouting (in B-Cell) prior to shipment.	P	Seventeen (17) of the expected thirty-eight (38) non-MW GCs (Section 2e) have been shipped to 200 Area storage.	44%			Shipping papers
3d.2 Ship containerized MW debris (RGCs in Rectangular Overpack Disposal Container / Steel Waste Disposal Box, SWDB) to 200 Area compliant storage by 11/30/00 (reference 5) ⁶	P	Six (6) of the expected seven (7) dispersibles RGCs (Section 1.d.2) have been shipped to CWC.	86%			Shipping papers/manifest

⁵ Reference 5, Attachment 6, indicates that the non-mixed waste (grout containers) removed from B-Cell (and stored/staged in A-Cell) will be moved to compliant, long-term storage in the 200 Area. It also indicates that the deadline for this activity will appear as a DOE milestone for the next fiscal year (2001) and will occur within eight months after the completion date required by Tri-Party Agreement Milestone M-89-02 (i.e., within eight months of November 30, 2000).

⁶ Reference 5, Attachment 6, indicates that all collected mixed waste must be removed from the 324 Building B-Cell and placed in compliant, long-term storage in the 200 Area prior to the deadline established by M-89-02 (November 30, 2000).

324 BUILDING B-CELL MILESTONE M-89-02 WASTE SUMMARY

Steps	(1) Dispersibles		(2) Excess Equipment		(3) Debris	
	MW	Non-MW	MW	Non-MW	MW	Non-MW
Collect waste	X	-	-	-	X	X
Containerize	X	-	X	X	X	X
Remove/Stage	X	-	X	X	X	X
Ship containers	X	-	X	X	X	X

Attachment 7

**324 REC/HLV
Project Managers' Meeting
Federal Building, Room 554
Richland, Washington**

**March 15, 2001
2:30 p.m. - 3:30 p.m.**

324 Building M-89-02 Checklist as of 3/12/01

324 BUILDING TRI-PARTY AGREEMENT INTERIM MILESTONE M-89-02 CHECKLIST SHOWING STATUS AS OF 03/12/01

Action/Requirement/Conditions	Status (Complete (X) In Progress (P))	Status Statement	% Complete	Estimated Completion Date	Actual Completion Date	Documentation Completed
<p>1) First Distinct Action for M-89-02 (reference 1): Mixed waste (MW) must be containerized, removed from B-Cell and placed in a condition that is compliant with Chapter 173.303 of the WAC</p> <p>Performance standard for First Distinct Action:</p> <ul style="list-style-type: none"> • Removal of MW from the REC B-Cell requires the collection and containerization of dispersible material from the B-Cell • Collection will not include destructive and/or chemical methods (i.e., spalling or decontamination washes) so that a determination of liner integrity (closure activity required post M-89-02) can be made prior to liner decontamination • The dispersible material will be containerized in a compliant (with receipt facility acceptance criteria) container system • Containerized dispersible material will be removed from REC B-Cell and may be moved to an interim storage area 						
<p>Activity(s)/Measure(s): 1a Perform collection and containerization of dispersibles through retrieval with a pneumatic clamshell from the B-Cell floor (reference 1)</p>	X	Clamshelling of B-Cell floor has been completed. Clamshelling was performed after clearing and scraping the floor.	100%		03/01/01	Cell diagram and videotape

Action/Requirement/Conditions	Status (Complete (X) In Progress (P))	Status Statement	% Complete	Estimated Completion Date	Actual Completion Date	Documentation Completed
<p>1b Following clamshelling (1a above), collect dispersibles by performing a filtered vacuum of the B-Cell floor (reference 1) (NOTE: Invite Ecology to observe vacuuming and documentation.)</p>	<p>X</p>	<p>The crane-deployed vacuum system was installed in the B-Cell using existing 5000-lb block for fixture/stability, and vacuuming of the main B-Cell floor area was performed.</p> <p>The Dispersible Removal System (DRS) vacuuming unit was also installed in B-Cell and vacuuming of difficult areas was performed using the DRS.</p> <p>Vacuuming activities have been completed for all grid sections of the B-Cell floor.</p> <p>Vacuuming status was based on systematic grid approach using cell diagrams and video taping.</p> <p>Ecology was invited and observed vacuuming activities as appropriate in person, and on videotape.</p>	<p>100%</p>		<p>03/01/01</p>	<p>Cell diagram and videotape</p>

Action/Requirement/Conditions	Status (Complete (X) In Progress (P))	Status Statement	% Complete	Estimated Completion Date	Actual Completion Date	Documentation Completed
1c Transfer dispersibles collected by these methods into containers for interim storage (reference 5, Section 5.6, directly loading MW dispersibles into rectangular grout containers))	X	<p>An estimated seven (7) RGCs will contain primarily dispersibles. Transfer of dispersibles into RGCs has been completed for seven(7) of seven (7) expected dispersibles RGCs, including following containers:</p> <p>RGC-324-00-123 (RGC-5) RGC-324-00-114 (RGC-8) RGC-324-00-117 (RGC-9) RGC-324-00-101 RGC-324-00-102 RGC-324-00-119 RGC-324-00-115</p> <p>These RGCs contain some MW debris and MW equipment, but will be tracked as dispersibles RGCs on this checklist.</p> <p>Loading of MW into RGC-324-00-115 has been completed. (NOTE: this RGC is approximately 85% full.)</p>	100%		03/01/01	Videotape

Action/Requirement/Conditions	Status (Complete (X) In Progress (P))	Status Statement	% Complete	Estimated Completion Date	Actual Completion Date	Documentation Completed
Activity(s)/Measure(s) (continued): Id Move containerized dispersibles to a compliant mixed waste storage area (reference 1)						
Id.1 Remove containerized MW dispersible material from B-Cell (reference 1). -MW containers will be staged/moved to a 324 Building 90-day MW accumulation area after packaging and radiological survey. This provides waste management controls commensurate with WAC 173-303 dangerous waste accumulation requirements. Ecology concurrence (through enforcement discretion) is applicable for this activity since the MW is not newly generated (reference 5).	P	An estimated seven (7) RGCs will contain mostly dispersibles. Six (6) of the nine (9) expected dispersibles RGCs have been removed from B-Cell, including the following: RGC-324-00-123 (RGC-5) RGC-324-00-114 (RGC-8) RGC-324-00-101 RGC-324-00-102 RGC-324-00-117 (RGC-9) RGC-324-00-119	86%			
Id.2 Complete shipment (and receipt) of containerized MW dispersible material to 200 Area Central Waste Complex compliant MW storage area by 11/30/00 (reference 5) ¹	P	Shipping has been completed for six (6) of the seven (7) expected dispersibles RGCs, including the following: RGC-324-00-114 (10/09/00) RGC-324-00-123 (12/01/00) RGC-324-00-101 (01/09/01) RGC-324-00-102 (01/26/01) RGC-324-00-119 (02/01/01) RGC-324-00-117 (02/06/01)	86%			

¹ Reference 5, Attachment 6, indicates that all collected mixed waste must be removed from the 324 Building B-Cell and placed in compliant, long-term storage in the 200 Area prior to the deadline established by M-89-02 (November 30, 2000).

Action/Requirement/Conditions	Status (Complete (X) In Progress (P))	Status Statement	% Complete	Estimated Completion Date	Actual Completion Date	Documentation Completed
2) Second Distinct Action for M-89-02 (reference 1):						
<p>The second distinct action required under interim milestone M-89-02 requires the removal of excess equipment from the REC B-Cell</p> <p>Table attached to RL letter 00-FTD-006 provides all equipment currently within the REC B-Cell and defines "Excess" versus "Required" equipment</p> <p>Performance Standard for Second Distinct Action:</p> <ul style="list-style-type: none"> Removal and containerization of all equipment (excluding Spent Nuclear Fuel) from B-Cell not required for the implementation of further closure actions and/or deactivation endpoints as established in the Closure Plan and the 324/327 Buildings integrated Project Management Plan (PMP), HNF-1289 Excess equipment is defined in the attachment (pages 4-6) to RL letter 00-FTD-006, which provides the listing of B-Cell and a determination of its disposition status per M-89-02 						

Action/Requirement/Conditions	Status (Complete (X) In Progress (P))	Status Statement	% Complete	Estimated Completion Date	Actual Completion Date	Documentation Completed
Activity(s)/Measure(s): 2a Containerize following "Excess" equipment from B-Cell (reference 1):						
2a.1 Rack 2A and remaining portions of previously size reduced racks	X	The last process rack, 2A, was size reduced in April 2000 and the last remnants (contained within non-MW grout containers) were relocated to A-Cell in June 2000. Containerization of remainiing portions of racks was completed. GC-118 and GC-160 were moved out of B-Cell on 02/04/01.	100%		02/27/01	Waste container contents and videotape
2a.2 2,265-kilogram steel block (NOTE: Per Reference 6, this item was recategorized as "required" equipment for future 324 REC closure and deactivation activities.)	See 2a.2 note	This item is also called the 5,000 lb block. This block has been incorporated as a fixture/stabilizer for the newly developed crane-deployed vacuuming system.	See 2a.2 note	See 2a.2 note	See 2a2. note	Videotape
2a.3 Sump trench cover screen (east end of B-Cell floor)	X	Screen had been removed previously.	100%		<02/27/01	Videotape

Action/Requirement/Conditions	Status (Complete (X) In Progress (P))	Status Statement	% Complete	Estimated Completion Date	Actual Completion Date	Documentation Completed
2a.4 Waste containers (with contents requiring transfer into other containers) i.e., grout containers (non-MW), engineered containers (MW), and rectangular grout containers (RGC) (MW). These include GC-88, GC-115, GC-120, RGC-0, and engineered containers in wagon wheel.	X	Disposition/repackaging of waste from all of the subject five (5) items has been completed, including: GC-115 GC-120 GC-88 Wagon wheel EC dispersible RGC-0 Repackaging of contents of RGC-0 was completed. All wagon wheel EC dispersibles have been loaded into RGCs. The wagon wheel storage rack now contains two (2) empty ECs.	100%		02/22/01	Waste containers contents
2a.5 Storage rack (wagon wheel holding engineered containers) used for Special-Case Waste and MW. (NOTE: Per Reference 6, this item was recategorized as "required" equipment for future 324 REC closure and deactivation activities.)	See 2a.5 note	This rack is needed to hold ECs during future 324 REC closure/deactivation activities.	See 2a.5 note	See 2a.5 note	See 2a.5 note	See 2a.5 note

Action/Requirement/Conditions	Status (Complete (X) In Progress (P))	Status Statement	% Complete	Estimated Completion Date	Actual Completion Date	Documentation Completed
Activity(s)/Measure(s) (continued) 2b Remove containerized excess equipment designated as MW (in RGCs) from B-Cell (reference 1).	X	The lead shield plugs have been removed from B-Cell. Three (3) of the three (3) expected MW equipment RGCs have been removed from B-Cell, including the following: RGC-324-00-083 (RGC-4) RGC-324-00-103 (RGC-6) RGC-324-00-104	100%		01/15/01	Waste containers contents
2c Ship containerized excess equipment designated as MW (in RGCs/SWDBs) to 200 Area by 11/30/00 (reference 5) ² .	X	Shipping has been completed for three (3) of the expected three (3) SWDBs containing MW equipment RGCs, including the following: RGC-324-00-083 (09/28/00) RGC-324-00-103 (09/30/00) RGC-324-00-104 (01/15/01)	100%		01/15/01	Shipping papers/manifest

² Reference 5, Attachment 6, indicates that all collected mixed waste must be removed from the 324 Building B-Cell and placed in compliant, long-term storage in the 200 Area prior to the deadline established by M-89-02 (November 30, 2000).

Action/Requirement/Conditions	Status (Complete (X) In Progress (P))	Status Statement	% Complete	Estimated Completion Date	Actual Completion Date	Documentation Completed
2d Remove containerized excess equipment designated as non-MW (in grout containers) from B-Cell (to be staged in A-Cell) by 11/30/00 (reference 5) ³ .	P	<p>Thirty-seven (37) of the thirty-eight (38) expected grout containers filled with non-MW excess equipment have been removed from B-Cell. One partially filled GC remains in B-Cell.</p> <p>Twenty (20) of these containers are staged in the 324 Building A-Cell, awaiting future shipment.</p>	97%			
2e Ship excess equipment designated as non-MW (in grout containers) to 200 Area storage by 7/31/01 (reference 5) ³	P	Seventeen (17) of the thirty-eight (38) expected grout containers filled with excess equipment have been shipped to 200 Area storage.	44%			

³ Reference 5, Attachment 6, indicates that the non-mixed waste (grout containers) removed from B-Cell (and stored/staged in A-Cell) will be moved to compliant, long-term storage in the 200 Area. Reference 5 indicates that the deadline for this activity will appear as a DOE (RL) milestone for the next fiscal year (2001) and will occur within eight months after the completion date required by Tri-Party Agreement Milestone M-89-02 (i.e., within eight months after November 30, 2000).

Action/Requirement/Conditions	Status (Complete (X) In Progress (P))	Status Statement	% Complete	Estimated Completion Date	Actual Completion Date	Documentation Completed
2f Following "Required" equipment to remain in B-Cell to support closure activities (reference 1): <ul style="list-style-type: none"> • Cell penetration plugs • West window work tray • 10-ton crane (overhead crane) • 3-ton crane (overhead crane) • Two temporary fuel storage racks⁴ • Fuel pin storage container (gattling gun)⁴, west wall • Fuel thimbles⁴, west side of B-Cell in fuel storage racks • Installed electrostatic precipitators and HEPA (particulate) filters, north wall • Installed manipulators • Empty grout containers, lids, engineered containers, RGCs • Useable deactivation equipment including following (references 1 and 4): <ul style="list-style-type: none"> • Fire protection hoses and nozzles (needed for fire protection) • Installed and functioning camera systems, including pan/tilt heads, mounts, etc. (needed for size reduction of fuel storage equipment, as well as cleanout of pipe trench and D-Cell) (Continued on next page)						

⁴ SNF currently stored within B-Cell will remain in B-Cell pending availability of the 200 Area Interim Storage Area (ISA). This is a delay in the removal of the fuel out of B-Cell. The former schedule had an interim movement of this fuel out of B-Cell and into A-Cell pending availability of the ISA. The project will benefit by eliminating this interim move within the facility and result in an earlier shipment of SNF out of the 324 Building, and allow for an overall better sequencing of closure activities within the 324 Building.

Action/Requirement/Conditions	Status (Complete (X) In Progress (P))	Status Statement	% Complete	Estimated Completion Date	Actual Completion Date	Documentation Completed
<ul style="list-style-type: none"> • Useable deactivation equipment (continued) <ul style="list-style-type: none"> • Fixed and portable lights (needed for viewing the cell) • Jib crane (accompanies 3-ton crane) and auxiliary hooks for 10-ton and 3-ton cranes (needed for fuel pin consolidation and size reduction of fuel storage equipment) • Torches and cables (needed for size reduction of fuel storage equipment) • Clamshells (needed for removal of size reduced fuel storage equipment as well as cleanout of pipe trench and D-Cell) • Dispersibles Removal System (DRS) attachments (needed for cleanout of D-Cell particulate material) • Vacuum system and hoses (needed for cleanout of D-Cell and pipe trench material) • Extension cords and cables (needed for operating installed equipment including electrostatic precipitators, portable lights, cameras, and DRS system) • Labounty shear (needed for size reduction of fuel storage rack) (NOTE: Per discussions with Ecology and RL at the 02/08/01 visit/meeting at the 324 Building, the Labounty shear is being recategorized as "excess" equipment, and has been packaged in a grout container.) • Rinsing equipment (needed to support future deactivation packaging and loadout of low-level waste and transuranic waste materials and equipment into 3-82B grout containers) • Grouting equipment (needed for grouting future low-level; waste 3-82B grout containers) 						

Action/Requirement/Conditions	Status (Complete (X) In Progress (P))	Status Statement	% Complete	Estimated Completion Date	Actual Completion Date	Documentation Completed
<p>Useable deactivation equipment (continued)</p> <p>Per Reference 6, the following recently developed items were added to the "required" useable deactivation equipment:</p> <ul style="list-style-type: none"> • RODC lifting fixture (for lifting/handling future RODCs) • Band saw (for size reduction of REC equipment) • Chop saw (for size reduction of REC equipment) • Bigelow scraper (for REC floor cleaing) • Wagon wheel (a web assembly used to keep engineered containers vertical for filling) • Crane deployed vacuum system (integral of which is the 5000 lb block). 						
3) Third Distinct Action (reference 1):						
<p>Removal of debris from B-Cell</p> <p>Performance Standard for Third Distinct Action:</p> <ul style="list-style-type: none"> • Miscellaneous debris (i.e., tools, metal scrap, manipulator boots) located on B-Cell floor will be removed from B-Cell and packaged for removal • Packaged debris will be removed from the REC B-Cell 						
<p>Activity(s)/Measure(s):</p> <p>3a Collect debris from B-Cell (reference 1)</p>	X	Debris is collected using clamshelling method. Clamshelling has been performed in open areas. Remaining clamshelling will be stasured using systematic grid approach.	100%		03/01/01	Cell diagram and vidcotape

Action/Requirement/Conditions	Status (Complete (X) In Progress (P))	Status Statement	% Complete	Estimated Completion Date	Actual Completion Date	Documentation Completed
3b Rinse and package debris consistent with the size-reduced equipment removed from B-Cell (reference 1)						
Activity(s)/Measure(s) (continued): 3b.1 Containerize non-MW debris using cylindrical Grout Containers (GCs) (reference 5):	X	Containerization of non-MW debris into cylindrical grout containers (GC) is essentially completed. Remaining clamshelling of B-Cell debris is expected to yield entirely MW debris, based on virtually all non-MW debris already having been recovered and containerized. MW debris is containerized within RGCs (addressed in Section 3.b.2 below). GC-110 and GC-116 were moved out of B-Cell on 02/04/01.	100%		02/27/01	Cell diagram and videotape
3b.2 Containerize MW debris using Rectangular Grout Containers (RGCs) (reference 5):	X	Containerization of MW debris (by clamshelling, Section 3a) was completed. The MW debris was containerized into the RGCs addressed in Section 1a (MW dispersibles) and Section 2b (MW excess equipment) for packaging efficiency reasons.	100%		03/01/01	Cell diagram and videotape
3c Remove containerized debris from B-Cell (reference 1)						

Action/Requirement/Conditions	Status (Complete (X) In Progress (P))	Status Statement	% Complete	Estimated Completion Date	Actual Completion Date	Documentation Completed
Activity(s)/Measure(s) (continued): 3c.1 Remove containerized non-MW debris (GCs) from B-Cell (to be staged in A-Cell) by 11/30/00 (reference 5) ⁵	P	Non-MW debris has been containerized into the same GCs addressed in Section 2d (non-MW excess equipment) for packaging efficiency reasons. Thirty-seven (37) of the thirty-eight (38) expected non-MW GCs have been removed from B-Cell. Twenty (20) of these are staged in A-Cell, awaiting future shipment.	97%			Waste containers contents
3c.2 Remove containerized MW debris (RGCs) from B-Cell by 11/30/00 (reference 5)	P	Six (6) of the expected seven (7) dispersibles RGCs (Section 1.d.1) have been removed from B-Cell.	86%			Waste loadout documentation
3d Ship containerized debris to 200 Area compliant storage (reference 1)						
3d.1 Ship containerized non-MW debris (GCs in liner assembly/3-82 B cask) to 200 area compliant storage by 7/31/01 (reference 5) ⁵ . Approximately five of the GCs will be categorized as low-level waste and are expected to therefore require grouting (in B-Cell) prior to shipment.	P	Seventeen (17) of the expected thirty-eight (38) non-MW GCs (Section 2e) have been shipped to 200 Area storage.	44%			Shipping papers
3d.2 Ship containerized MW debris (RGCs in Rectangular Overpack Disposal Container / Steel Waste Disposal Box, SWDB) to 200 Area compliant storage by 11/30/00 (reference 5) ⁶	P	Six (6) of the expected seven (7) dispersibles RGCs (Section 1.d.2) have been shipped to CWC.	86%			Shipping papers/manifest

⁵ Reference 5, Attachment 6, indicates that the non-mixed waste (grout containers) removed from B-Cell (and stored/staged in A-Cell) will be moved to compliant, long-term storage in the 200 Area. It also indicates that the deadline for this activity will appear as a DOE milestone for the next fiscal year (2001) and will occur within eight months after the completion date required by Tri-Party Agreement Milestone M-89-02 (i.e., within eight months of November 30, 2000).

⁶ Reference 5, Attachment 6, indicates that all collected mixed waste must be removed from the 324 Building B-Cell and placed in compliant, long-term storage in the 200 Area prior to the deadline established by M-89-02 (November 30, 2000).

324 BUILDING B-CELL MILESTONE M-89-02 WASTE SUMMARY

Steps	(1) Dispersibles		(2) Excess Equipment		(3) Debris	
	MW	Non-MW	MW	Non-MW	MW	Non-MW
Collect waste	X	-	-	-	X	X
Containerize	X	-	X	X	X	X
Remove/Stage	X	-	X	X	X	X
Ship containers	X	-	X	X	X	X

Distribution:

J. M. Barnett	FH	L1-05
F. W. Bond	Ecology	B5-18
W. M. Brantley	FH	L1-02
C. E. Clark	RL	A5-15
B. L. Curn	FH	G1-29
G. P. Davis	FH	B5-18
L. A. Dietz	BHI	H0-20
R. H. Engelmann	WMH	G1-30
T. L. Erickson	FH	L1-02
D. T. Evans	RL	A6-38
R. L. Guillen	RL	L1-03
J. W. Hales	FH	A3-02
R. G. Hastings	RL	N2-36
R. E. Johnson	FH	G1-29
E. F. Krohn	FH	L1-02
J. M. Kisielnicki	FH	L1-04
D. C. Langstaff	RL	L1-08
A. Montelongo	FH	L1-04
J. K. Perry	FH	L1-04
R. E. Piippo	FH	A5-15
S. M. Price	FH	A0-22
D. E. Rasmussen	FH	L1-04
J. G. Riddelle	FH	L1-02
D. J. Riffe	FH	L5-66
M. M. Serkowski	FH	L1-05
S. J. Skurla	Ecology	B5-18
J. M. Steffen	FH	L5-66
D. G. Singleton	Ecology	B5-18
C. P. Strand	FH	A3-02
D. W. Templeton	RL	L1-08
G. A. Williams	RL	A5-15
K. L. Williams	RL	A6-38
M. S. Wright	FH	L1-08
Y. K. Yerxa	DOE	A5-15
Environmental Portal		A3-01

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