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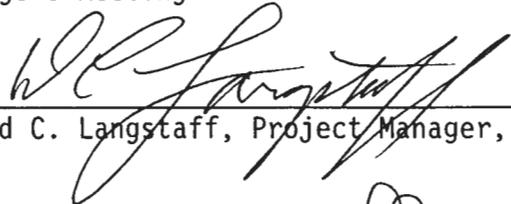
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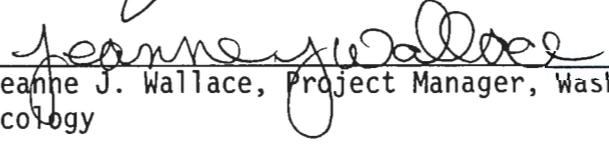
**Meeting Minutes Transmittal**

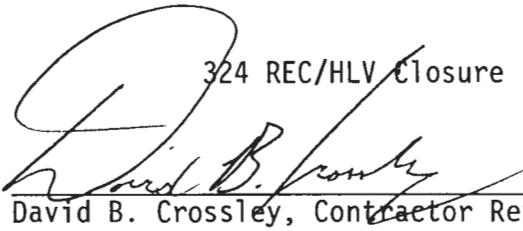
**324 REC/HLV CLOSURE PLAN  
Project Managers Meeting  
337 Building, Mt. Rainier Room, 3rd Floor North  
Richland, Washington**

**July 11, 1996  
2:00 p.m. to 3:00 p.m.**

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

  
Date: 8-1-96  
David C. Langstaff, Project Manager, RL

  
Date: 8/1/96  
Jeanne J. Wallace, Project Manager, Washington State Department of Ecology

324 REC/HLV Closure Plan, PNNL Concurrence  
  
Date: 8/1/96  
David B. Crossley, Contractor Representative, PNNL

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 - Action Items
- Attachment 5 - Draft Summary Data Quality Objective (DQO) Agreement List



## Attachment 1

324 REC/HLV  
Project Managers Meeting  
337 Building, Mt. Rainier Room, 3rd Floor North  
Richland, Washington

July 11, 1996  
2:00 p.m. to 3:00 p.m.

## Agenda

1. Approval of Past Meeting Minutes (Ecology/DOE-RL/PNNL)
2. Status of DQO Process for Closure Plan (DOE-RL/PNNL)
  - Status of DQO Final Report
  - Status on Closure Plan Revision
3. Status of B-Cell shipments to PUREX (DOE-RL/PNNL)
4. Status on Inventory Removal of HLV Tanks (DOE-RL/PNNL)
5. Status of Action Items
  - 05-02-96:4 Provide Ecology information regarding facility transition as the process proceeds. A status will be provided at the June 6, 1996 PMM.  
ACTION: M. Barnard (DOE-RL)  
OPEN
  - 06-06-96:1 Submit the closure strategy, workshop schedule and DQO status report to Ecology June 21, 1996.  
ACTION: T. Hosaka (PNNL)  
OPEN
  - 06-06-96:2 Prepare a NOD table reflecting the resolution of Ecology's draft comments.  
ACTION: D. Lutter (PNNL)  
OPEN
  - 06-06-96:3 Notify J. Bartz (Ecology) when the samples are shipped to the 325 Building.  
ACTION: G. Seigny (PNNL)  
CLOSED: 6/11/96
6. General Discussion
7. New Action Items
8. Next Project Managers Meeting (Ecology/DOE-RL/PNNL)
  - Next Meeting: August 1, 1996  
337 Building, Mt. Rainier Room, 3rd Floor North  
Richland, Washington
  - Proposed topics

## Attachment 2

324 REC/HLV CLOSURE PLAN  
Project Managers Meeting  
337 Building, Mt. Rainier Room, 3rd Floor North  
Richland, Washington

July 11, 1996  
2:00 p.m. to 3:00 p.m.

## Summary of Discussion and Commitments/Agreements

## 1. Approval of Past Project Managers Meeting Minutes

The June 6, 1996 Project Managers Meeting (PMM) minutes were approved.

## 2. Status of DQO Process for Closure Plan

## • Status of DQO Final Report

D. Langstaff (PNNL) provided J. Wallace (Ecology) a draft copy of an outline summary report and the agreements resulting from the Data Quality Objective (DQO) meetings (See Attachment 5). D. Lutter (PNNL) stated that a summary report will be attached to the DQO meeting minutes and submitted to the Administrative Record.

D. Langstaff (DOE-RL) provided a response to Ecology's request for clarification of DOE's mission for the 324 Facility and its position on closure. D. Langstaff (DOE-RL) stated that the mission is transition, and DOE's position on closure is to achieve clean closure.

D. Langstaff (DOE-RL) addressed the issue of closure strategy for the high-level vaults, noting that agreement had been reached regarding B-Cell, D-Cell, and the low-level vaults. D. Langstaff (DOE-RL) briefly outlined the strategy for clean closure of the high-level vaults, which has been provided to Ecology. Following interim removal action of the waste, completion of the rinses and rinse analysis, a determination will be made how hot the vault is. At that time, a decision will be made whether the state clean closure standards can be met or an alternative approach would be required.

The decision point as to whether or not clean closure standards can be met will be determined by a set of criteria. The criteria will be submitted to Ecology prior to the next DQO meeting. The next DQO was tentatively scheduled for August 1996.

## • Status on Closure Plan Revision

E. Mattlin (DOE-RL) reported that revision of the first four chapters of the closure plan is near completion, and revision of the last three chapters will commence following the August 1996 DQO. A discussion was held regarding submittal of the closure plan to Ecology by September 30, 1996. Due to the uncertainties involving transition of the facility to the new contractor on October 1, 1996, it was not determined what the status of the closure plan would be by September 1, 1996. (See action item 05-02-96:4 for discussion.)

### 3. Status of B-Cell Shipments to PUREX

P. Weaver (PNNL) stated that the final shipment was made on June 8, 1996. J. Wallace (Ecology) inquired about the missing canister. P. Weaver (PNNL) responded that it has not been determined whether there was an extra canister.

### 4. Status on Inventory Removal of HLV Tanks

G. Sevigny (PNNL) reported that the equipment skids have been installed in the cell. The electrical connections and piping are being installed and are expected to be completed July 15, 1996. The operating procedures are being reviewed and are expected to be complete by July 14, 1996. PNNL plans to run a water test through the system toward the end of next week. DOE-RL is going through the checklist for start-up.

The sample analysis for Tanks 104, 105 and 107 is complete, except for the ICP/MS analysis. The results indicate additional chromium and nickel, and lower chlorides in Tanks 104 and 105. The plutonium analysis indicated more plutonium than expected and some unexpected isotope ratios. The plutonium analysis is being rechecked. DOE-RL's ten-day notification of start-up to Ecology should be met next week.

### 5. Status of Action Items

05-02-96:4 Provide Ecology information regarding facility transition as the process proceeds. A status will be provided at the June 6, 1996 PMM.

ACTION: M. Barnard (DOE-RL)

CLOSED: J. Wallace (Ecology) initiated a discussion regarding definition of facility transition. P. Weaver (PNNL) suggested that "transfer" of the facility from one contractor to another would be appropriate terminology. D. Langstaff (DOE-RL) reported that the DOE-RL facility transition group's approach is to develop a project management plan, once the transfer has taken place, to determine the future of the facility. D. Langstaff (DOE-RL) explained that the transition status would take place following the transfer, and the mission of stabilizing the building and establishing maintenance and surveillance would

follow. D. Crossley (PNNL) noted that transition typically involves a three-year schedule.

J. Wallace (Ecology) asked if a specific decision for transition of the 324 Facility has been made. D. Langstaff (DOE-RL) referred to a DOE-RL letter to PNNL stating that PNNL programs will be out of the facility by September 1998, and that DOE-RL is setting up the budgeting process to support that activity. D. Langstaff (DOE-RL) added that he would keep J. Wallace (Ecology) apprised of additional documentation indicating whether DOE-RL will continue on that path or change its direction. D. Langstaff (DOE-RL) took an action to provide a presentation on the facility transfer at the next PMM. J. Wallace (Ecology) noted her concern for coordination of RCRA activities prior to taking a facility through transition.

J. Wallace (Ecology) pointed out that the closure schedule is a mandatory portion of the closure plan; and due to the uncertainty of the facility transition, a closure schedule cannot be established. P. Weaver (PNNL) and D. Langstaff (DOE-RL) responded that the closure schedule would be independent of the transfer.

E. Mattlin (DOE-RL) referred to negotiations with Ecology defining "key" facilities, and discussion that handling of key facilities would be guided by the TPA. Ecology and DOE-RL agreed to discuss internally the definition of a key facility.

     M. Barnard (DOE-RL) noted that transfer of the facility to the new contractor will take place October 1, 1996. JBC  
8/1/96  
DOF  
8-1-96  
JBC 8/1/96

- 06-06-96:1 Submit the closure strategy, workshop schedule and DQO status report to Ecology June 21, 1996.  
ACTION: T. Hosaka (PNNL)  
CLOSED: D. Lutter (PNNL) stated that PNNL is finalizing the closure strategy, and it will be provided to Ecology prior to the next DQO meeting. The workshop schedule is an estimated schedule, and may change when the building transfers to the new contractor on October 1, 1996. The DQO status report will be provided for signature after the final DQO meeting.
- 06-06-96:2 Prepare a NOD table reflecting the resolution of Ecology's draft comments.  
ACTION: D. Lutter (PNNL)  
CLOSED: J. Wallace (Ecology) agreed that the draft NOD comment sheet would satisfy this action item. J. Wallace

(Ecology) requested a formal NOD comment table during the closure plan workshop.

06-06-96:3 Notify J. Bartz (Ecology) when the samples are shipped to the 325 Building.  
ACTION: G. Sevigny (PNNL)  
CLOSED: G. Sevigny (PNNL) reported that J. Bartz (Ecology) was contacted; however, she was unable to be present.

#### 6. General Discussion

P. Weaver (PNNL) stated that he would be contacting J. Bartz (Ecology) to discuss her comments regarding the Waste Analysis Plan.

#### 7. New Action Items

07-11-96:1 Provide a presentation on the facility transfer at the next PMM (8-1-96).

ACTION: D. Langstaff (DOE-RL)

07-11-96:2 DOE-RL and Ecology will discuss internally the definition of key facility and if the 324 Facility is considered a "non-key" facility.

ACTION: E. Mattlin (DOE-RL)/J. Wallace (Ecology)

#### 8. Next Project Managers Meeting

- August 1, 1996  
337 Building, Mt. Rainier Room, 3rd Floor North  
Richland, Washington
- Proposed Topics  
Proposed topics may be submitted to D. Lutter (PNNL).



## Attachment 4

324 REC/HLV CLOSURE PLAN  
 Project Managers Meeting  
 337 Building, Mt. Rainier Room, 3rd Floor North  
 Richland, Washington

June 6, 1996  
 2:00 p.m. to 3:00 p.m.

## Action Items

<u>Action Item#</u>	<u>Description</u>
05-02-96:4	<p>Provide Ecology information regarding facility transition as the process proceeds. A status will be provided at the June 6, 1996 PMM.</p> <p>ACTION: M. Barnard (DOE-RL)</p> <p>CLOSED: Information was provided and D. Langstaff (DOE-RL) took a new action to provide a presentation on facility transfer at the next PMM. (See action item 07-11-96:1)</p>
06-06-96:1	<p>Submit the closure strategy, workshop schedule and DQO status report to Ecology June 21, 1996.</p> <p>ACTION: T. Hosaka (PNNL)</p> <p>CLOSED: D. Lutter (PNNL) stated that PNNL is finalizing the closure strategy, and it will be provided to Ecology prior to the next DQO meeting. The workshop schedule is an estimated schedule, and may change when the building transfers to the new contractor on October 1, 1996. The DQO status report will be provided for signature after the final DQO meeting.</p>
06-06-96:2	<p>Prepare a NOD table reflecting the resolution of Ecology's draft comments.</p> <p>ACTION: D. Lutter (PNNL)</p> <p>CLOSED: J. Wallace (Ecology) agreed that the draft NOD comment sheet would satisfy this action item. J. Wallace (Ecology) requested a formal NOD comment table during the closure plan workshop.</p>
06-06-96:3	<p>Notify J. Bartz (Ecology) when the samples are shipped to the 325 Building.</p> <p>ACTION: G. Sevigny (PNNL)</p> <p>CLOSED: G. Sevigny (PNNL) reported that J. Bartz (Ecology) was contacted; however, she was unable to be present.</p>
07-11-96:1	<p>Provide a presentation on the facility transfer at the next PMM (8-1-96).</p> <p>ACTION: D. Langstaff (DOE-RL)</p>

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07-11-96:2

DOE-RL and Ecology will discuss internally the definition of key facility and if the 324 Facility is considered a "non-key" facility.

ACTION: E. Mattlin (DOE-RL)/J. Wallace (Ecology)

**Attachment 5**

**324 REC/HLV CLOSURE PLAN  
Project Managers Meeting  
337 Building, Mt. Rainier Room, 3rd Floor North  
Richland, Washington**

**June 6, 1996  
2:00 p.m. to 3:00 p.m.**

Draft Summary Data Quality Objective Agreements List

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List of Topics for Agreement to be Included in the Decision/Agreement Section of the DQO Report

1. Agreed on process history of the A, B, C, and D-cells, the LLV, the HLV, Airlock, ancillary equipment and pipes, Trucklock, cask handling area, HLV sample room, gallery, ventilation system, and chemical makeup room.
2. Agreed on including description of all of the above areas for the process history.
3. Agreed the following require action: B-cell, D-cell, HLV, LLV, pass through ports and pipes in the gallery, HLV sample room.
4. Provide administrative control on drain lines out of the B and D cells
5. Agreed to consolidate the information from the draft closure plan, the HLV Project Management Plan, and the B-Cell Clean Out Plan and the Feasibility of Clean Closure Strategy into the revision of the closure plan.
6. Agreed that non-regulated waste can continue to be managed after clean closure.
7. The LLV tanks may continue activity in support of the closure activities with no anticipated activities after closure.
8. The ventilation system is not included in closure and will remain operational.
9. Isolate piping systems after B-Cell clean out and HLV processing. Isolate pipes in a manner to allow D&D activities to occur at a later date. Presented drawings of pipes which will be isolated.
10. Debris rule can be used for the B-cell structure. PNNL revised Debris Rule document to reflect Ecologies comments.
11. Agreed on laboratory and sampling QA systems which must be in place to allow analysis to be performed.
12. Agreed on method of non-destructive testing for B-Cell clean verification.
13. Agreed that action levels for closure would be the Toxicity Characteristic Levels except in cases where dilution due to high radioactivity is required. In this case, the normal laboratory dilution levels will be presented in the closure plan and will be used as action levels.

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14. Agreed to coordinate with Ecology to give Ecology staff member Joan Bartz access to the laboratory beforehand and during sample analysis to look at operations and protocols relevant to the analysis is being conducted on the 324 HLV tank rinsates.

## Decisions/Agreements To Be Completed

1. Final mission statement from DOE related to 324.
2. Final closure decision logic for B-Cell, HLV and LLV. The closure logic should include the criteria for clean closure and if clean closure cannot be achieved, the requirement to meet with Ecology prior to proceeding.
3. Agree on sampling strategy for rinse samples, detection levels and analytes.

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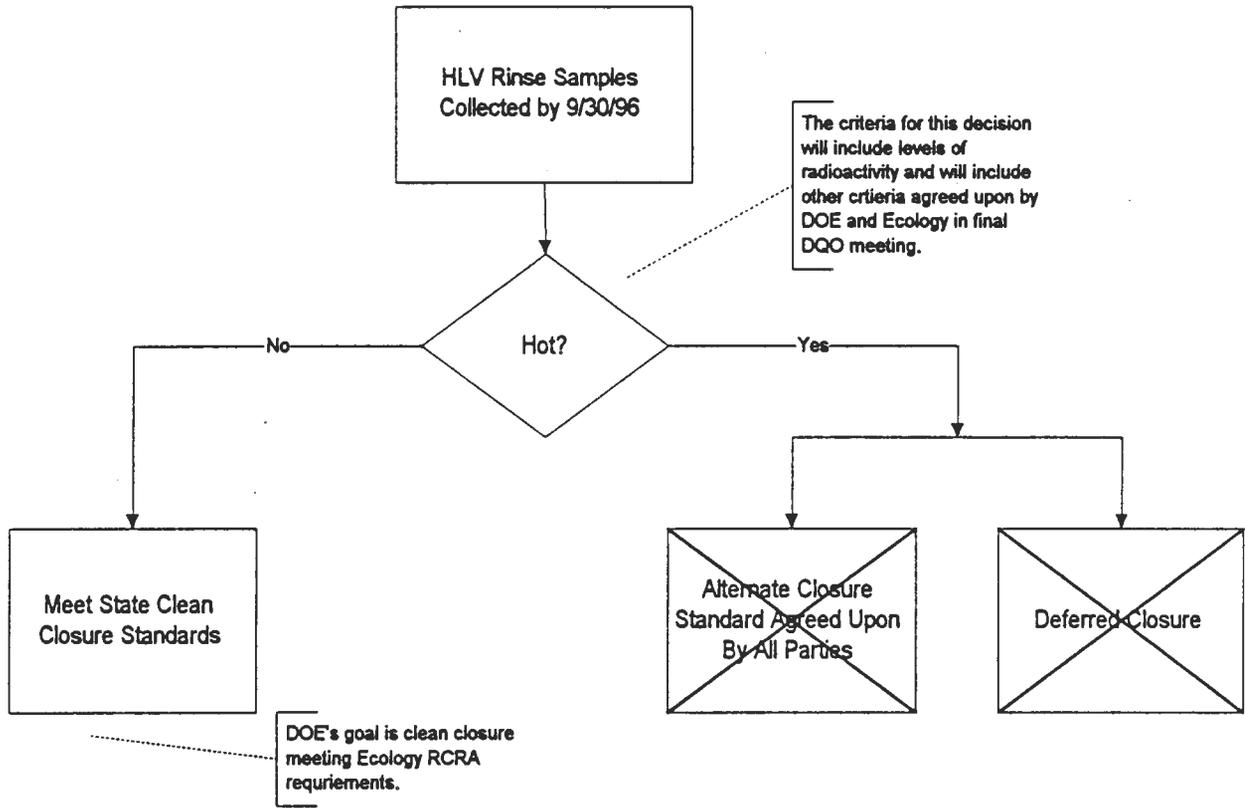
Outline of DQO Summary Report  
For 324 RCRA Closure Plan

Signature Page -- To Be Signed By One Ecology and One DOE Representative

Executive Summary

- 1.0 Problem Statement
- 2.0 Decisions/Agreements Made - This section will explain the list of agreements made and a list of decisions and agreements which need to be completed.
- 3.0 Inputs--A table listing the information needed to make each decision/agreement will be presented.
- 4.0 Decision Rules--Decision criteria will be developed for all decisions. Decision logic will include criteria for proceeding to clean closure and verification of clean closure.
- 5.0 Uncertainty-based on past discussions, uncertainty may be estimated on integrity assessments as required.
- 6.0 Optimize Sampling and Analysis Plan --The final sampling and analysis design for verification sampling supporting clean closure. This includes integrity assessments and rinse samples.

- Appendix 1- Meeting Minutes 1/31/96
- Appendix 2 - Meeting Minutes 2/29/96
- Appendix 3 - Meeting Minutes 3/27/96
- Appendix 4 - Meeting Minutes 4/11/96
- Appendix 5 - Meeting Minutes 5/29/96
- Appendix 6 - Meeting Minutes To Be Scheduled
- Appendix 7 - Attendance Table



## Distribution:

M. A. Barnard	RL	L4-40
R. C. Bowman	WHC	H6-24
R. M. Carosino	RL	A4-52
C. E. Clark	RL	A5-15
D. B. Crossley	PNNL	P7-79
B. J. Day	PNNL	P7-28
G. D. Hendricks	GSSC	B1-42
T. Y. Hosaka	PNNL	K7-98
D. C. Langstaff	RL	K8-50
D. K. Lutter	PNNL	P7-79
E. M. Mattlin	RL	A5-15
S. M. Price	WHC	H6-23
A. L. Prignano	WHC	H6-24
C. R. Richins	RL	K8-50
J. J. Wallace	Ecology	B5-18
P. J. Weaver	PNNL	P7-35
RCRA Files/JM	WHC	H6-23

ADMINISTRATIVE RECORD (Two Copies): 324 REC/HLV Closure Plan, S-3-4 [Care of EDMC, WHC (H6-08)]

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Please send comments on distribution list to D. K. Lutter (P7-79), (509) 376-5631.