

0048460

Meeting Minutes Transmittal/Approval  
Unit Managers' Meeting: Remedial Action and Waste Disposal Unit/Source Operable Unit  
3350 George Washington Way, Room 1B40, Richland, Washington  
October 15, 1997

FROM/APPROVAL: N/A Date \_\_\_\_\_  
Nancy Werdel/Glenn Goldberg, 100 Area Unit Managers, RL (H0-12)

APPROVAL: N/A Date \_\_\_\_\_  
Wayne Soper/Keith Holliday, 100 Aggregate Area Unit Manager,  
Ecology (B5-18)

APPROVAL: N/A Date \_\_\_\_\_  
Dennis Faulk, 100 Aggregate Area Unit Manager, EPA (B5-01)

APPROVAL: N/A Date \_\_\_\_\_  
Bryan Foley, 200 Area Unit Manager, RL (H0-12)

APPROVAL: N/A Date \_\_\_\_\_  
Shri Mohan, 200 Area Project Manager, Ecology (B5-01)

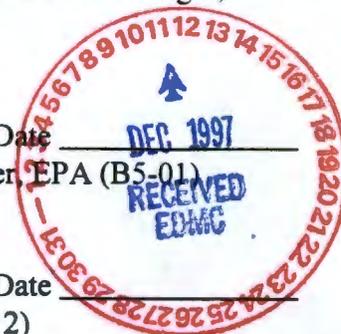
APPROVAL: Ted A. Wooley Date 10/4/97  
Ted A. Wooley, B-Plant/WESF Project Manager, Ecology (B5-18)

APPROVAL: Robert G. McLeod Date Oct. 28, 1997  
Robert G. McLeod, 300 Area Unit Manager, RL (H0-12)

APPROVAL: Jeanne Wallace Date 10/31/97  
Jeanne Wallace, 300 Aggregate Area Unit Manager, Ecology (B5-18)

APPROVAL: David R. Einan Date 4 Nov 97  
David R. Einan, 300 Aggregate Area Unit Manager, EPA (B5-01)

APPROVAL: Ted A. Wooley Date 10/4/97  
Ted A. Wooley, 300 Area Process Trenches Subproject Manager,  
Ecology (B5-18)



---

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

- Attachment #1 - Agenda
  - Attachment #2 - Attendance Record
  - Attachment #3 - Meeting Minutes
  - Attachment #4 - Status Package
  - Attachment #5 - Rejected waste sites in 100-KR-2, 100-IU-6, and 100-IU-2 Operable Units
- 

Prepared by:



Gary Gesell/Tamen Lundquist (H0-17)

Date 11/10/97

Concurrence by:



Vern Dronen, BHI Remedial Action and Waste Disposal Project Manager  
(H0-17)

Date 11/10/97

**UNIT MANAGERS' MEETING AGENDA**  
**3350 George Washington Way, Room 1B40**  
**October 15, 1997**

**1:00 p.m. 300 Area**

**300-FF-1**

- Remedial Action Status
- Verification Packages

**300-FF-2**

- 600-1/JAJones Waste Site
- Groundwater Sample Results
- Listed Waste Issue Status
- Focused Feasibility Study and Proposed Plan Schedules
- Groundwater Sample Disposal
- E4A Waste Disposal
- 618-11 Geophysical Survey Report Revision

**2:00 p.m. 100 Area**

- 2,4-D Site Remediation Status
  - Verification Sample Results
  - Completion Report
- 100-D Ponds Closure Plan
  - Plan Update Status
  - Response to Ecology Comments on Equivalency Demonstration
- Remaining Sites Status
  - Walkdowns
  - Administrative Record Documents
  - Proposed Plan
- Burial Ground Task Team
  - Status of Cost Revisions
  - Fiscal Year 1998 Schedule
- 190-D Soil Sampling Status
- Group 4 Design
  - ▶ 100 Area Remedial Design Report/Remedial Action Work Plan Update
  - ▶ 100 Area SAP/IG Update
  - ▶ 100 Area Remedial Action Update (100 B/C and 100 D)

**3:00 p.m. 200 Area**

- Nonradioactive Dangerous Waste Landfill Soil Gas Report - Review Status and Discussion
- 216-B-2-2 Ditch Trenching and Borehole Status
- 200-BP-1 Prototype Barrier
  - Plan Resolving Scope of Additional Testing



**Unit Managers' Meeting Minutes  
Trailer M0059, 300 Area  
October 16, 1997**

The 100 and 200 Areas Unit Managers' Meeting did not take place.

**300 AREA**

**300-FF-1**

Remedial Action Status

Bechtel Hanford, Inc. (BHI) is currently focusing on the process trenches; trench work will be completed by the end of October 1997. The quantity of contaminated material is increasing in the undetermined contamination level area.

Demolition of the process trenches' headworks was completed on October 8. The blockhouse has also been demolished. The asbestos in the blockhouse roof material is being properly packaged for shipment to the Environmental Restoration Disposal Facility (ERDF). The birdscreens are being removed from the trenches, sized, and shipped to ERDF.

TCLP metals analysis for soil sediments collected from inside the process trenches headworks have not been received from the laboratory. Six drums of sediment were collected. Paint chips in the soil sediments are thought to contain lead and chromium, based on field-screening results. The TCLP results will provide the data needed to designate the sediments. It is not expected that the soils will leach metals in concentrations that would require a hazardous waste designation.

The Washington State Department of Ecology (Ecology) was concerned that contained-in material may still exist under the apron. BHI stated that the field screening for metals and organics and laboratory results for uranium indicate the soil is below cleanup levels. Therefore, the soils under the headworks do not need to be shipped to ERDF. Based on the Sampling and Analysis Plan, only the contaminants of concern are being analyzed.

Process trenches backfill and revegetation has not been initiated. The subcontractors must still submit a plan. The subcontractor submittal will be based on the remedial design restoration plan, but with more detail. Ecology requested a copy of the Plan once it is finalized.

Demolition of the sanitary sewer structures was completed on October 1, and the surrounding area was regraded. Demolition of the concrete weir structure and tank foundation in the North Process Pond was completed on October 8.

Excavation of the 300-10, 300-44, and 300-45 waste sites was also completed during the last month. Samples from waste site 300-44 were below cleanup levels.

BHI will initiate burial ground excavation after completing the process trenches. Work will then begin on the landfills. If difficulties occur with the burial grounds, landfill work may be initiated.

The *Burial Ground Data Quality Objectives Summary Report* was signed by the U.S. Environmental Protection Agency (EPA).

#### Data Validation Packages

The project has produced a significant number of sample delivery groups (SDG) with very few samples per SDG due to the test pits and trenches sampling done in the ash pits, clean soil stockpile, North and South Process Ponds' berms and scrapings area, and the process trenches undetermined area. This discussion is to verify on which sample delivery groups to perform the level C data validation. In the 300-FF-1 DQO, it was discussed that the first three SDGs be validated. However, it was also expected that the first two of the three SDGs would be the process trenches and the 618-4 Burial Ground. It was agreed in this meeting to continue to plan performing level C validation on the process trenches and 618-4 Burial Ground verification sample SDGs. The project can pick the third site to do the final data validation package.

The EPA asked if the RCI trucks require placarding. BHI said some of the trucks have been placarded depending on the concentration and type of materials being shipped. Most of the trucks have not been required to be placarded to date.

The field screening mobile laboratory will be using a fume hood for some of the field-screening tests to be performed in support of the 618-4 Burial Ground and Landfills remedial actions. Attached is a calculation regarding potential to emit toxic chemicals from use of the fume hood. The potential emissions are well below standards. This set of meeting minutes serves as notification to and concurrence by the lead regulatory agency that the best available control technology applied is appropriate for this project.

### **300-FF-2**

#### 600-1/JAJones Waste Site

A letter (CCN: 051104) was distributed to EPA and the U.S. Department of Energy, Richland Operations Office (RL) and discussed. The site names were reversed in the *300-FF-2 DQO Summary Report* (BHI-00601) and the *Limited Field Investigation Report* (DOE/RL-96-42). The location of the paint dump site is physically unchanged, but is now to be known as the JAJones Pit #1 site. Corrections were made to the WIDS file.

#### Groundwater Sample Results

A letter (CCN: 051518) was distributed to EPA and RL and discussed. Two rounds of sampling were conducted during fiscal year (FY) 1997. Results for major constituents are shown in Tables 1 and 2 for the two wells being sampled. The continued presence of uranium, tributyl phosphate,

and unknown semi-VOAs justify continuation of monitoring activities. The absence of detected petroleum hydrocarbons in the past year justifies eliminating the TPH series of analyses. It was suggested that the Pacific Northwest National Laboratory should be responsible for sampling.

#### Listed Waste Issue Status

A letter report summarizing the conclusions of a literature search and interviews that were conducted is being finalized. Tentative conclusions indicate that affirmative evidence exists for only a few waste sites (i.e., 316-4 Crib and 618-9 Burial Ground). Inferences can be made regarding other waste sites; however, affirmative evidence cannot be completely confirmed.

#### Focused Feasibility Study (FFS) and Proposed Plan (PP) Schedules

Because of budgetary constraints in FY 1998, the initiation of the FFS and PP documents has been delayed from July 1998 to October 1998. Completion of these documents is still anticipated before the July 31, 1999 Tri-Party Agreement Milestone (M-15-23B).

#### FY 1997 Groundwater Sample Disposal

A Letter of Instruction to the Waste Sampling and Characterization Facility personnel is being prepared. It is anticipated that disposal will occur before the end of November 1997.

#### Well 699-S6-E4A Waste Disposal

The eight drums of waste materials generated during well remediation activities were disposed to the Environmental Restoration Disposal Facility on September 10, 1997.

#### 618-11 Geophysical Survey Report Revision (BHI-00291)

As a result of activities associated with the document listed below (HNF-EP-0649), an error in Plate II that presents the geophysical survey results was noted. Three vertical pipe units were inadvertently not placed on the plate. Text and the plate were revised to reflect the changes.

#### Document Release

Characterization of the *618-11 Solid Waste Burial Ground, Disposed Waste, and Description of the Waste-Generating Facilities* (HNF-EP-0649), by SESC for Waste Management Federal Services, Inc. This document, which was initiated in early 1993 as a part of 618-11 Burial Ground Expedited Response Action discussions, was recently completed by the former Westinghouse Solid Waste Management organization. The document characterizes the 618-11 Burial Ground, the waste disposed at the site, and describes the facilities and activities that generated the waste.

STATUS PACKAGE

UNIT MANAGERS' MEETING - OCTOBER 1997

SOURCE OPERABLE UNITS

100-B/C, 100-K, 100-D, 100-H, 100-F

200 AREAS

300 AREA

Prepared by

DOE-RL

## 100 AREAS

### **2,4-D Burial Site**

All fieldwork was completed on September 30, 1997, when areas disturbed during remediation were regraded and seeded for revegetation. These containers of contaminated soil and debris are being held at the site pending evaluation of more cost-effective treatment/disposal alternatives. Analytical data confirmed that cleanup objectives were attained. Preparations are underway to open public review of the Administrative Record in early October 1997.

### **100/300 Area Burial Grounds**

New remediation cost estimates to remove and dispose waste materials were developed for all 100 and 300 Area solid waste (burial ground) waste sites, based on revised input parameters suggested by the Burial Ground Task Team. The revised cost estimates reduced cost from \$615 million to \$369 million (40% reduction). This reduction will be reflected in future baseline updates and will be used in the 100 Area Burial Ground Feasibility Study that will begin in fiscal year (FY) 1998.

### **100 Area Remaining Sites**

Field walkdowns for remaining sites in the 100-K Area and the 100-IU-2 and 100-IU-6 Operable Units were completed with the U.S. Environmental Protection Agency (EPA) and the U.S. Department of Energy, Richland Operations Office (RL) Project Managers. Concurrence was reached on site dispositions and the path forward for inclusion in the Remaining Sites Proposed Plan. Thirteen waste sites in the 100-K Area, 37 waste sites in the 100-IU-2 Operable Unit, and 13 waste sites in the 100-IU-6 Operable Unit will be removed from the Waste Information Data System (WIDS) and will be nominated for exclusion from Appendix C of the Tri-Party Agreement. These efforts supplement similar agreements to reject waste sites from WIDS that were reached for sites in the 100-B/C, 100-D, 100-H, and 100-F Areas. To date, 98 waste sites have been rejected from 100 Area operable units as part of the Remaining Sites project. The draft Administrative Record document and Proposed Plan are being prepared.

### **100-D Soil Sampling**

Soil sampling for chromium was completed on September 24, 1997. Field-screening results for hexavalent chromium indicated low levels of contamination. Laboratory analytical results are expected in early October 1997. Plans are underway to implement laser-induced breakdown spectroscopy (LIBS) in November 1997.

## **100-D Ponds Closure Plan Revision**

RL is preparing a written response to the Washington State Department of Ecology (Ecology) comments on the equivalency demonstration. The response indicates that Ecology's request for deep vadose zone soil samples is not yet resolved and that the issue requires further discussion. Revisions to the closure plan were completed.

## **100 B/C Remedial Action**

The eighth lateral plume excavation at the 116-C-1 Liquid Waste Disposal Trench is in progress and is anticipated to be the last plume in the shallow zone. The combined lateral plumes constitute more than 40% of the original volume at 116-C-1.

The 116-C-5 Retention Basins excavation is almost 75% complete. Mobilization and preparation for excavation work is beginning at the 116-B-11 and 116-B-1 waste sites. Current activities include removal and stockpiling of overburden materials, and sectioning/preparing previously stored large diameter pipelines for disposal at the Environmental Restoration Disposal Facility (ERDF). The 116-B-11 site is a concrete-lined effluent basin, similar to the 116-D-7 site and structure at 100 DR, based upon review of as-built drawings. Field sampling and laboratory testing for the 116-D-7 Basin revealed individual debris elements integral to the structure, with leachable lead (Pb) concentrations in excess of the ERDF WAC limit of 5 ppm. As concurred by EPA and Ecology during meetings in June 1997, waste designation by representative sampling of the waste stream is allowed. Extensive representative sampling of the entire debris waste stream at 116-D-7 revealed a leachable lead concentration of less than 5 ppm, which is compliant with the land disposal restrictions. Ecology concurred with the details of the approach, sampling methodology, and results. These materials from 116-D-7 are currently being excavated and transported to ERDF. An analogous approach is being proposed for 116-B-11 using the 116-D-7 sampling and testing results. A meeting is being scheduled with EPA (100-B/C lead regulator) for concurrence.

Pipeline remediation outside the general waste site areas was removed from the workscope for the existing Group 1 100-B/C subcontractor. This work is being added to the 100-B/C Group 3 work, which already includes remediation of the effluent pipelines near the reactors.

Plans are being finalized for macroencapsulation of contaminated lead/rubber with lead materials from the present 100 Area remedial action sites.

Decommissioning of well 199-B3-2 is in progress at 116-C-1.

Prompted by responses to regulator comments on the generic vadose zone model presented in the Remedial Design Report/Remedial Action Work Plan (RDR/RAWP) and followup meetings, evaluation of existing vadose zone contamination information is essentially completed with final draft analyses presented to RL. A meeting needs to be scheduled with the EPA and Ecology so

they can present these results, conclusions, and path forward. A concurrent and related presentation on 116-DR-1/2 is being planned.

### **100 DR Remedial Action**

No activities are currently taking place at 116-DR-1 and 116-DR-2; work remains, as excavation of additional plumes to the north and northeast have been halted due to possible undermining of support facilities and haul roads, and deferred to a later date.

Excavation of soil burden, breaking of concrete slabs and walls, and excavation and loading of debris and soil continues at 116-D-7 and 116-DR-9 concrete-lined retention basins.

A detailed pipeline excavation plan and cost proposal is being developed/evaluated, along with an asbestos abatement program for the asbestos-containing material (ACM) surrounding large, diameter steel piping.

Final field verification testing for the 107-D1 and 107-D5 (relatively small and shallow) sludge pits were recently completed, with results indicating polychlorinated biphenyls (PCB) at the base of the excavation in excess of *Model Toxics Control Act* standards. Per a meeting with RL and Ecology, it was concurred to proceed with field screening to evaluate the extent and guide excavation for remediation. It was also agreed that subsequent laboratory testing for supplemental, final verification would include evaluation only for PCBs. Field screening indicates that levels are below ERDF waste acceptance limits for solid materials. A relatively small liquid-based volume of field screening test byproduct may require disposition other than ERDF. Options are being evaluated for this waste stream.

In parallel with 100-B/C activities and prompted by responses to regulator comments on the generic vadose zone model presented in the RDR/RAWP, a site-specific model of the vertical contamination distribution in the vadose zone (with contamination to groundwater) was developed for 116-DR-1/2. Analytical model runs are being performed to assess attainment of remedial action goals to protect groundwater and the Columbia River. Conclusions of the analysis will be presented to the EPA and Ecology concurrent with presentation of the results for 116-C-1 in October 1997 (date and time to be determined).

## **200 AREAS**

### **200 Areas Strategy**

The draft Tentative Agreement was finalized and is in the process of being signed by the key signatories. The start of the public comment period on the Tri-Party Agreement change package for the 200 Areas Strategy is being planned for October 20, 1997, and a signed Tri-Party Agreement change package by January 30, 1998.

**200-BP-1 Operable Unit**

The barrier-testing program continues to provide data on water infiltration, vegetation growth, and biointrusion associated with the Hanford Site barrier. Testing will continue at a reduced level in FY 1997. A draft report documenting the FY 1997 results is being reviewed by BHI.

**200-BP-11 Operable Unit**

The Description of Work was signed by RL and Ecology and was issued Rev. 0. The Waste Control Plan is being prepared and will require RL and Ecology approval. BHI is completing other prefield planning activities (i.e., hazards analysis, Health and Safety Plan, etc.) for drilling to commence in November 1997.

**Nonradioactive Dangerous Waste Landfill**

A report documenting the soil-gas results at NRDWL was issued on September 30, 1997, to RL. No other work is currently planned by BHI at NRDWL in FY 1998.

**300 AREA****300-FF-1 Operable Unit**Remedial Action

The remedial action subcontractor continued with final excavation of the process trenches above the cleanup level area and started excavating the undetermined area of the trenches. Approximately three 1-ft-thick lifts were removed from the undetermined area. Most of the soils were contaminated and shipped to ERDF. Demolition of the process trench's headwork's structure was initiated. Excavation of the last two South Process Pond test trenches were completed. Excavation of the 300-44 waste site was completed. Verification samples were sent to the offsite laboratory. The sanitary trench headwork's structure was also demolished, including the stairways, diversion box, and concrete baffle structure.

Planning efforts to excavate the 618-4 Burial Ground are ongoing. Field-screening laboratory capabilities are nearly complete to support sampling needs per the burial ground data quality objective (recently completed). Burial ground excavation will start in October 1997.

### 300-FF-2 Operable Unit

The last of the outstanding data for groundwater samples from the 699-S6-E4A well were received in early September. This information was included in the annual groundwater sampling letter report, which was completed on September 26. This report summarizes the sampling that was performed during FY 1997 at wells 699-S6-E4A and 699-13-3A in support of ongoing 300-FF-2 Operable Unit monitoring activities.

Additional excavation work at the 300-10 waste site adjacent to the 316-5 Process Trenches was completed on September 29 as a result of additional contamination that was identified. Remediation of the 300-45 waste site adjacent to the southwest corner of the 316-5 Process Trenches was completed on September 18 following a similar approach. Verification samples for both waste sites were sent to the offsite laboratory.

Work continued on the issue of listed waste disposal practices in the 300 Area. Additional references were reviewed, four interviews with current and former employees were conducted, and a draft report was compiled. This work will be completed by the end of October 1997. Several additional references need to be obtained and reviewed, and possibly one additional interview may be conducted.

A meeting was held on September 8 with Environmental Restoration Contractor (ERC) technical staff and personnel managing the WIDS database to further discuss the approach to supporting the proposed update to the appendices to the Tri-Party Agreement. An estimate to support work to update the 300 Area portion of the appendices was prepared and provided to ERC management on September 11.

A revision to *the Geophysical Investigation of the 618-10 and 618-11 Burial Grounds, 300-FF-2 Operable Unit* (BHI-00291) was issued during late September to document several minor changes that were discovered during document review.

**Unit Managers' Meeting: Remedial Action Unit/Source Operable Units  
100, 200, and 300 Areas**

Nancy Werdel .....	DOE-RL, RP (H0-12)
Mike Thompson .....	DOE-RL, RP (H0-12)
Glenn Goldberg .....	DOE-RL, RP (H0-12)
Owen Robertson .....	DOE-RL, RP (H0-12)
Rich Holten .....	DOE-RL, RP (H0-12)
Bryan Foley .....	DOE-RL, RP (H0-12)
Robert McLeod .....	DOE-RL, RP (H0-12)
Ellen Mattlin .....	DOE-RL, EAP (A5-15)
Steve Balone .....	DOE-RL, RPS (H0-12)
Lisa Treichel .....	DOE-HQ (EM-442)
Rich Person .....	DOE-HQ (EM-442)
Dennis Faulk .....	100 Aggregate Area Manager, EPA (B5-01)
David Einan .....	EPA (B5-01)
Larry Gadbois .....	EPA (B5-01)
Phil Staats .....	100 Aggregate Area Manager, WDOE (B5-18)
Chuck Cline .....	WDOE (Lacey)
Wayne Soper .....	WDOE (Kennewick) (B5-18)
Ted Wooley .....	WDOE (Kennewick) (B5-18)
Joan Bartz .....	WDOE (Kennewick) (B5-18)
Shri Mohan .....	WDOE (Kennewick) (B5-18)
David Holland .....	WDOE (Kennewick) (B5-18)
Keith Holliday .....	WDOE (Kennewick) (B5-18)
Jeanne Wallace .....	WDOE (Kennewick) (B5-18)
Lynn Albin .....	Washington Dept. of Health
V. R. Dronen .....	BHI (H0-17)
G. O. Gesell .....	BHI (H0-17)
T. L. Rodriguez .....	BHI (H0-17)
J. R. James .....	BHI (H0-17)
R. L. Donahoe .....	BHI (X9-06)
F. M. Corpuz .....	BHI (X9-06)
G. B. Mitchem .....	BHI (H0-17)
C. R. Johnson .....	BHI (L6-06)
R. A. Carlson .....	BHI (L6-06)
W. E. Remsen .....	BHI (H0-17)
L. C. Hulstrom .....	CHI (H9-03)
M. J. Galgoul .....	CHI (H9-03)
A. P. Goforth .....	BHI DIS (H0-09)
T. M. Wintczak .....	BHI (H0-11)

Please inform Tamen Rodriguez (372-9562) of BHI  
of deletions or additions to the distribution list.