

Meeting Minutes Transmittal/Approval  
Unit Manager's Meeting: Remedial Action and Waste Disposal Unit/Source Operable Unit  
3350 George Washington Way, Room 1B45, Richland, Washington  
March 20, 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/Kevin Oates, 100 Aggregate Area Unit Managers, EPA (B5-01)

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

APPROVAL: N/A Date \_\_\_\_\_  
Joan Bartz, 200-UP-2 Unit Manager Ecology (B5-18)

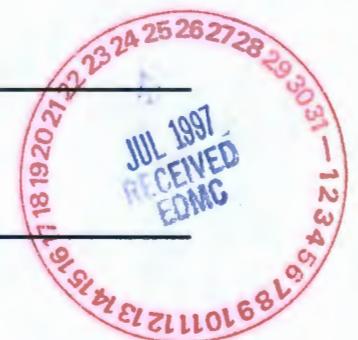
APPROVAL: N/A Date \_\_\_\_\_  
200 Area Aggregate Area Unit Manager, EPA (B5-01)

APPROVAL: Robert G. McLeod Date May 15, 1997  
Robert G. McLeod, 300 Area Unit Manager, RL (H0-12)

APPROVAL: Jeanne Wallace Date 5/21/97  
Jeanne Wallace, 300 Area Aggregated Area Unit Manager  
WA Dept of Ecology (B5-18)

APPROVAL: David R. Einan Date 5-15-97  
David R. Einan, 300 Area Aggregated Unit Manager, EPA (B5-01)

APPROVAL: Ted A. Wooley Date 5/12/97  
Ted A. Wooley, 300 Area Process Trenches Subproject Manager



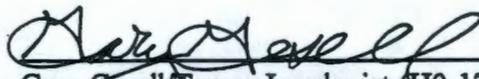
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Meeting Minutes are attached. Minutes are comprised of the following:

Attachment #1 - Agenda  
Attachment #2 - Attendance Record  
Attachment #3 - Meeting Minutes  
Attachment #4 - Status Package

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Prepared by:

  
Gary Gesell/Tamen Lundquist (H0-17)

Date 6/4/97

Concurrence by:

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

Date 6/5/97

**UNIT MANAGER'S MEETING AGENDA**  
**300 Area Trailer MO-059 Conference Room**  
**March 20, 1997**

**1:00 p.m.   300 Area**

**300 FF-1**

- RA Subcontract Update
- Independent PE Subcontract Award
- RDR/RAWP Approval
- Certification of Closure Memo
- Cadmium Closeout

**300-FF-2**

- LFI Report Issuance
- Schedule of Remaining Activities

**NOTE:**    The 200 Area UMM for the 200-UP-2 will meet on an as-needed basis per the November 1996 UMM minutes.

The 100 Area Unit Managers are currently meeting three to four times per month in task teams that are discussing strategies for future RODs and Burial Ground remediation. As long as these task team meetings continue, they will serve as a substitute for the UMM. When the task teams complete their work, the 100 Area UMM will resume.



**Unit Managers' Meeting Minutes  
March 20, 1997**

**300 AREA**

**300-FF-1**

Remedial Action (RA) Subcontract Update

The RA subcontract was awarded to Roy F. Weston, Inc. on March 14, 1997. WESTON will begin excavation in the Process Trenches no later than August 4. The U.S. Department of Energy, Richland Operations Office (RL) and Bechtel Hanford, Inc. (BHI) are evaluating a new start date of July 7, if funds are available. Excavation and disposal of contaminated material will be completed by May 1999.

Independent Professional Engineer (PE) Subcontract

The Independent PE Subcontract for the Certification of Closure of the 300 Area Process Trenches was awarded to Los Alamos Technical Associates. Work will begin in April 1997.

Remedial Design Report (RDR)/Remedial Action Work Plan (RAWP) Approval

The RDR/RAWP (Rev. 0) and Data Quality Objective Summary Report were distributed by RL at the meeting. The Washington State Department of Ecology (Ecology) last week indicated issue with responses to two comments on the RDR/RAWP. Ecology's comments are as follows: (1) lower the detection limits for chrysene and thallium based on Ecology's publication #94-49, 1995 for verification samples and (2) include Ecology on distribution for self-assessments and internal audits. The first comment response indicated that the detection limits called for in the Sampling and Analysis Plan for chrysene and thallium are at least an order of magnitude lower than the cleanup criteria. The cleanup criteria, as referred to in the Record of Decision, are from the *Model Toxics Control Act*, Method C. Ecology will review the reference document and decide on the comment.

Regarding self-assessments and internal audits, Ecology would like the reports provided as they are being generated, regarding QA/QC for remedial activities. Ecology also requested copies of the paper work (the check lists) that are prepared before a self-assessment or audit. Self-assessment and audit checklists will help Ecology evaluate if the appropriate areas are being checked and could identify holes in the checklist, such that Ecology inspectors could be told to evaluate these areas. RL and BHI will check with management on the issue.

### Certification of Closure Memo

A letter recently issued by Ecology ("Response to Closure Completion for 300 Area Process Trenches Letter") was distributed for discussion. The third bullet in the memo was included by Ecology to safeguard in case the independent PE has a problem with the closure. BHI indicated that the Independent PE will be on board with the whole process and there should be no surprises at the end of remediation. The independent PE will notify BHI immediately if something is found, so they can be addressed before final closure is complete. It was agreed that the 60-day clock to submit final certification of closure will start after all verification data has been reviewed to Ecology's satisfaction; Ecology will send a cc:Mail indicating acceptance of the verification data, and the cc:Mail message will start the 60-day clock.

### Cadmium Closeout

A draft letter prepared by Ecology, "Waste Designation on Concerning Cadmium for Soil within the 300 Area Process Trenches," was handed out for Tri-Party review.

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

#### Limited Field Investigation (LFI) Report Issuance

**400 Area Retired French Drains** - Final text inserts for the 400 Area Retired French Drains were discussed. This waste site (also listed in Appendix C of the Tri-Party Agreement) was a place holder for an unknown number of drains. No data existed in the WIDS printout to substantiate this issue. A form of the following language will be added to the LFI: The 400 Area Retired French Drains will be rejected as a waste-site, and an individual waste site identification number will be assigned to any other french drains that are discovered in the future.

**300 Area WATS** - It is RL's opinion that more detail is needed in this area. RL will add information to the "deferred sites" section to capture that the 300 Area WATS is still being reviewed.

#### Schedule of Remaining Activities

After completing the LFI report, several activities still need attention, including resolution of the listed waste concern. Details of these activities will be discussed with RL in the near future. Initiation of the focused feasibility study in fiscal year 1998 is tied to completion of the 618-4 burial ground excavation in the 300-FF-1 Operable Unit.

STATUS PACKAGE

UNIT MANAGERS' MEETING - MARCH 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

### Assessment Activities

100 Area Record of Decision (ROD) Strategy - Following a January 24, 1997, meeting with Tri-Party senior management, the Washington State Department of Ecology (Ecology), the U.S. Environmental Protection Agency (EPA), and the U.S. Department of Energy, Richland Operations Office (RL) have formed task teams to address the 100 Area Remaining Sites ROD Strategy and remediation of 100/300 Area burial grounds. The teams will determine a strategy and a path forward for *Comprehensive Environmental Response, Compensation, and Liability Act of 1980* decision documents for burial grounds and for all other waste sites in the 100 Areas (termed "Remaining Sites"). The teams plan to meet approximately three times per month until at least May 1997 (for the Remaining Sites Task Team) and July 1997 (for the Burial Grounds Task Team). Following is the status of the two task team efforts:

- **100 Area Remaining Sites ROD Strategy:**  
The task team is developing a strategy and decision criteria to disposition Remaining Sites into agreed-upon categories (action, no action, other regulatory authorities). Work is being closely coordinated with Tri-Party staff focused on updating the *Hanford Federal Facility Agreement and Consent Order* (Tri-Party Agreement) appendices for 100 Area waste sites.
- **Burial Ground Strategy:**  
The task team is compiling a list of potentially viable remediation alternatives, and reviewing criteria to evaluate applicability to each type of burial ground. Focus has been on the concept of "Selective Excavation" to optimize use of the remove/dispose remedial alternative. It would involve specific "stopping criteria" (contained in the ROD) to be employed when the waste encountered varied significantly from expectations. Then, if appropriate, an alternate remedy might be considered. The team is also evaluating cost-modeling assumptions to determine if the current baseline is consistent with the expectations of the team members.

Both task teams agree that the regularly scheduled task team meetings provide an adequate level of interaction among Tri-Party unit managers. Therefore, beginning in March 1997 and lasting through approximately July 1997 (or until the task teams complete their work, whichever is later), monthly 100 Area Unit Managers' Meetings (UMM) will be replaced by task team meetings. If issues other than strategies for 100 Area decision documents need to be addressed by Tri-Party unit managers, those issues will be introduced at task team meetings for discussion and resolution.

The monthly Status Packages will continue to be prepared, and an announcement indicating the temporary replacement of the UMMs will be presented in the monthly UMM minutes. In lieu of monthly meeting minutes, the substantive agreements made during the task team meetings will be appropriately documented. These agreements have been documented in a "100 Area Tri-Party

Agreement/Change Control Form" (Control Number 112), approved on March 11, 1997.

100 Area Remaining Sites ROD Amendment - The ROD amendment was signed by the Tri-Parties on April 8, 1997. The amendment adds 34 radioactive liquid waste disposal sites from the 100-D/DR, 100-F, and 100-K Areas to the September 1995 ROD.

190-C Soil Sampling Project - A final Field Instruction Guide was completed on April 9, 1997; an informational copy will be provided to EPA. Sampling of soil beneath the building floor is planned for early April 1997 and will be followed by soil sampling beneath the 105-C tunnels.

### **100, 200, and 300 Area Decant Liquid Disposal**

The RL Memorandum of Understanding, which defines the plan to dispose of water decanted from investigation derived waste at the Treated Effluent Disposal Facilities in the 300 Area and the Effluent Treatment Facility in the 200 Areas, is being routed within RL for agreement and signature. Final approval and briefings with EPA and Ecology are anticipated to occur in April 1997. Actual disposal is presently anticipated to begin in late April or early May.

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

An equivalency demonstration to dispense with postclosure groundwater monitoring will be submitted to Ecology in April 1997 ahead of the complete closure plan. Work on revising the 100-D Ponds Closure Plan is ongoing. Ecology's request for deep vadose zone borehole samples has not been resolved.

### **100-B/C-1**

Remedial Action - Excavation of the engineered structure at the 116-C-1 Trench was completed on November 15, 1996. A waste plume extending to the north will also require excavation to meet cleanup standards. The cleanup verification package for the 116-B-5 Crib was approved, and the backfill was completed on January 22, 1997. Through February, 43,000 tons of soil and scrap steel from the 116-C-5 Retention Basins were excavated. Some lead bricks and sheets were discovered in the 116-C-5 Retention Basins. A specification for macroencapsulation has been developed to treat the lead before disposal. Through February, approximately 10,000 tons of waste, primarily contaminated soil, has been excavated and removed from the effluent pipelines north of B Avenue. An asbestos-containing wrap was discovered on some of the effluent piping.

**100-DR-1**

Remedial Action - Excavation of waste at 100-DR-1 is ongoing. The initial excavation of 116-DR-1 and 116-DR-2 was completed. However, a plume extends to the north and southeast. Excavation of the plumes began in March. Two of the five sludge pits (107-D1, 107-D5) were also fully excavated in March. "Potholing" (exploratory digging to determine the composition and location of material) was performed on effluent pipelines and the two retention basins. Asbestos wrap was encountered during potholing in all pipelines. The remedial action subcontractor will be preparing an asbestos abatement plan for BHI to review. On April 1, production went from 30 boxes/day to 60 boxes/day. On March 21, rubber gasket material containing elevated levels of lead was inadvertently shipped to ERDF. Corrective actions were implemented and an independent BHI/RL assessment was performed.

**200 AREAS****200 Areas Strategy**

Working meetings are continuing on the Tri-Party Agreement change package, generation of the Agreement-In-Principle, and the public involvement schedule. Presentations to RL and Bechtel Hanford, Inc. (BHI) senior management and the Hanford Advisory Board subcommittees were made to provide an update of the strategy effort. The Public Involvement Plan is being finalized based on joint RL, EPA, and Ecology direction on Draft A.

**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. The increased precipitation during the past several months has resulted in a higher than normal retention of water in the upper soil layers. No "breakthrough" has occurred; however, the simulated 1,000-year storm event may result in breakthrough in one segment of the barrier. The simulated 1,000-year storm event is scheduled to start on March 26, 1997.

**200-BP-11 Operable Unit**

The data quality objective (DQO) meetings for the Tank Waste Remediation System privatization project emergency egress and pipe transfer lines routing across the 216-A-29 Ditch (a treatment, storage, and disposal unit) were finalized. The DQO Summary Report will be issued mid-March, indicating that sampling at two locations will be required.

## 300 AREA

### 300-FF-1 Operable Unit

Remedial Action (RA) - The Remedial Action (RA) Subcontract bid evaluations were completed, and an award was made to Roy F. Weston Inc. on March 4, 1997. Per the subcontract, the RA subcontractor will begin design work and technical submittals preparation on April 29, 1997. A separate subcontract award was made to Los Alamos Technical Associates for the Independent Engineering Certification of Closure of the 300 Area Process Trenches.

RL is in the process of transmitting the DQO Summary Report and Remedial Design Report/Remedial Action Work Plan documents to the regulatory agencies. Attached to the transmittal memo is a Tri-Party Agreement Change Control Form, which includes the new proposed 300-FF-1 remedial action milestones.

### 300-FF-2 Operable Unit

Limited Field Investigation (LFI) Report - As a result of ongoing discussions and several recent meetings on the 300 Area WATS (the latest took place on March 10), additional text will be inserted into Section 4.3.3.3 of the LFI report to reflect ongoing discussions with the *Resource Conservation and Recovery Act of 1976* program. An NPL Agreement/Change Control Form may also be used to document regulator agreement when discussions have been completed. RL is reviewing the latest draft of the revised text.

Discussions regarding the 400 Area french drains are almost complete. Followup to resolve questions relative to the "400 Area Retired French Drains" waste site are being resolved and will be finalized with RL and EPA in the near future. The LFI report will be issued as soon as these two items are resolved.

Receipt of analytical data from groundwater sampling that was conducted during January is expected during mid-March. The waste profile for the eight drums of material generated during upgrade activities at well 699-S6-E4A has been approved by the BHI Project Engineer and is presently moving through the system. It is anticipated that field activities required to dispose of the waste will be initiated in the near future.

**Distribution**  
**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)
John Murphy .....	DOE-RL, RP (H0-12)
Rich Holten .....	DOE-RL, RP (H0-12)
Bryan Foley .....	DOE-RL, RP (H0-12)
Robert McLeod .....	DOE-RL-ERD (H0-12)
Ellen Mattlin .....	DOE-RL, EAP (A5-15)
Lisa Treichel .....	DOE-HQ (EM-442)
Steve Balone .....	DOE-HQ (EM-442)
Dennis Faulk .....	100 Aggregate Area Manager, EPA (B5-01)
David Einan .....	EPA (B5-01)
Larry Gadbois .....	EPA (B5-01)
Kevin Oates .....	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)
Gary Freedman .....	WDOE (Kennewick) (B5-18)
Norman Hepner .....	WDOE (Kennewick) (B5-18)
David Holland .....	WDOE (Kennewick) (B5-18)
Keith Holliday .....	WDOE (Kennewick) (B5-18)
Lynn Albin .....	Washington Dept. of Health
V. R. Dronen .....	(H0-17)
G. O. Gesell .....	(H0-17)
T. L. Lundquist .....	(H0-17)
J. R. James .....	(H0-17)
G. E. Van Sickle .....	(H0-17)
G. B. Mitchem .....	(H0-17)
C. R. Johnson .....	(H0-17)
R. A. Carlson .....	(H0-17)
L. C. Hulstrom .....	(H9-11)
M. J. Galgoul .....	(H9-12)
Alvina Goforth .....	BHI DIS (H0-09) Kay Kimmel MAC (B1-42)
T. M. Wintczak .....	BHI (H0-11)
Andrea Hopkins .....	BHI (H9-11)
Tom Page (Please route to:) .....	PNNL (K9-18)
Cheryl Thornhill .....	PNNL (K9-14)
Mark Hanson .....	PNNL (K9-02)
Steve Slate .....	PNNL (K9-14)

Please inform Tamen Lundquist (372-9562) of BHI  
of deletions or additions to the distribution list. Attachment #1