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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
May 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 _____
Joan Bartz/Shri Mohan, 200 Aggregate Area Unit Managers, Ecology
(B5-18)

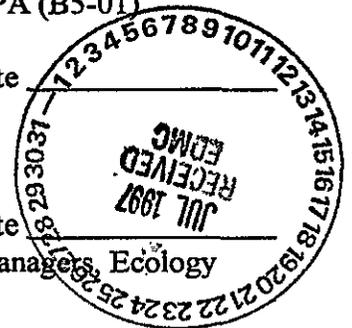
APPROVAL: N/A Date _____
David Einan, 200 Area Aggregate Area Unit Manager, EPA (B5-01)

APPROVAL: Robert G. McLeod Date June 19, 1997
Robert G. McLeod, 300 Area Unit Manager, RL (H0-12)

APPROVAL: Jeanne Wallace Date 6/19/97
Jeanne Wallace, 300 Area Aggregated Area Unit Manager
WA Dept of Ecology (B5-18)

APPROVAL: David R. Einan Date 19 Jun 97
David R. Einan, 300 Area Aggregated Unit Manager, EPA (B5-01)

APPROVAL: Ted A. Wooley Date 6/19/97
Ted A. Wooley, 300 Area Process Trenches Subproject Manager



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 - 300-FF-2 Groundwater Sample Results from Well 699-S6-E4A
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Prepared by:



Gary Gesell/Famen Rodriguez (H0-17)

Date

6/23/97

Concurrence by:



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

Date

6/23/97

UNIT MANAGERS' MEETING AGENDA
300 Area Trailer MO-059 Conference Room
May 15, 1997

047829

1:00 p.m. 300 Area

300 FF-1

- Remedial Action Status
- Approval of RDR/RAWP
- Ecology Letter on Cadmium

300-FF-2

- Groundwater Sample Results from Well 699-S6-E4A
- Disposal of IDW from Well 699-S6-E4A

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 and 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.

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Unit Managers' Meeting Minutes
May 15, 1997

300 AREA

300-FF-1

Remedial Action Status

At the initiation of clearing and grading of the site, the Environmental Restoration Contractor cultural resource specialist noticed an area of old cans, bottles, lids, etc., that appeared to be an old trash dump site from a pre-Hanford homestead. The area was staked and roped off. WESTON was informed to not disturb the site. This area is not in the limits of the current grading plans, thus, it will not impact the ongoing work.

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

Washington State Department of Ecology (Ecology) approval of the Sampling and Analysis Plan, Appendix C of the Remedial Design Report/Remedial Action Work Plan, was briefly discussed. Ecology indicated the approval letter would be forthcoming shortly after the cadmium letter issues are resolved and the letter is issued. It was pointed out that (1) the process trenches are the first operable unit waste site planned to be remediated, (2) the remediation start date is quickly approaching (plan to dig test pits in the trenches on June 10 and start remedial action on July 7), and (3) that Ecology approval of the Sampling and Analysis Plan (SAP) is required before excavation can begin.

Ecology Letter on Cadmium

This topic relates to a letter being prepared by Ecology. The letter documents the rationale and agreement that the 300 Area Process Trenches remedial investigation data provide adequate evidence that cadmium does not exist in the process trenches above concentrations that would cause soils being excavated during the remedial action to be designated as a toxic waste. However, Ecology indicated that the letter would require observation for resin beads during excavation, and if such resin beads are found that they be handled as an anomalous waste. The U.S. Department of Energy, Richland Operations Office (RL) intention is to handle the resin beads (if found) as anomalous waste, segregate the beads, and perform field XRF to determine if unacceptable cadmium concentrations exist. The beads will be shipped to the Environmental Restoration Disposal Facility (ERDF) if they are within the waste profile. If the beads contain hazardous concentrations of cadmium, then other treatment/disposal methods will be implemented with Ecology's concurrence.

According to Ecology, any anomalous waste segregated (i.e., cadmium beads) during excavation that resulted in being hazardous (based on the field and/or analytical results) should be

remediated (i.e., treated/disposed) within a 5-month timeframe or such pile(s) could be considered new "waste piles." RL stated that the Ecology Area of Contamination Policy written to support remedial action activities (i.e., activities to be conducted at the process trenches) allows handling of waste within the AOC; this should alleviate concern of new waste piles. Ecology stated that the RCRA waste pile regulation could still be applied when the planned schedule identified in the RDR for remediation of the process trenches has passed and if "anomalous waste piles" remain on the site and are not being addressed by RL. RL requested a draft of the memo before it is issued.

Class 1 Permit Changes

This discussion is a heads-up notice to Ecology that two class 1 permit changes will be submitted for the process trenches in the next quarterly permit update. The first change is to remove the requirement in the closure plan to incorporate the SAP after Ecology approval. This change is requested because the SAP is being approved via the Ecology memo, and the document already exists in the RDR/RAWP. The second change is to remove the requirement for Ecology to approve the Operations and Maintenance (O&M) Plan, as indicated in one of the Process Trenches Permit Conditions. This change is requested because a 300-FF-1 O&M Plan was not prepared and one is not planned to be prepared.

Revision to Groundwater Monitoring Plan

This discussion is another heads up related to the compliance groundwater monitoring results for the process trenches. If the current data trend continues, statistical results will likely indicate an accedence for DCE that would require implementing a corrective action program; Ecology will be notified if this occurs. It would require modifying the groundwater monitoring plan and the closure plan.

Data Management Briefing

A data management briefing on how data will be handled/managed for the 300-FF-1 remedial action was agreed to be performed as a resolution to a regulatory comment on the RDR/RAWP. It was requested that the regulators provide a schedule of availability so that such a meeting can be scheduled. A draft data management plan has been prepared.

300-FF-2

Groundwater Sample Results from Well 699-S6-E4A

See attached table. More sampling will be performed in July 1997 for the limited field investigation.

Disposal of IDW from Well 699-S6-E4A

The drums containing liquids will be temporarily moved to the radiological material area located in the 300-FF-1 Operable Unit. Liquids from the drums will be decanted at the same time as the other investigation derived waste liquids are picked up for disposal at the 200 Effluent Treatment Facility. Bechtel Hanford, Inc. Field Support will move the drums during the week of May 19.

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STATUS PACKAGE

UNIT MANAGERS' MEETING - MAY 1997

SOURCE OPERABLE UNITS

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

200 AREAS

300 AREA

prepared by

DOE-RL

5/15/97

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 through June 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. Plans have been made to apply the criteria to specific waste sites and to prepare supporting information for inclusion in the Administrative Record.
- **Burial Ground Strategy:**
The task team compiled a list of potentially viable remediation alternatives applicable to each type of burial ground. The task team is preparing a preliminary workscope, schedule, and budget for feasibility studies to evaluate the remediation alternatives. 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 Project Managers' Meetings (PMM) 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 PMMs will be presented in the monthly PMM 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.

190-C Soil Sampling Project - Sampling of soil beneath the building floor began in mid-April 1997.

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 was approved by RL. Briefings with EPA and Ecology are anticipated to occur in May 1997. Actual disposal is planned for late May.

100-D Ponds Closure Plan Revision

An equivalency demonstration to dispense with postclosure groundwater monitoring will be submitted to Ecology in May 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

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 April, 74,000 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 April, approximately 17,000 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. Most of the stored waste (stockpile and soil bags) from the 116-B-4 French Drain Expedited Response Action was shipped to ERDF.

100-DR-1

Remedial Action - Excavation of waste at 100-DR-1 is ongoing. On April 1, production went from 30 boxes/day to 60 boxes/day. Chasing of the 116-DR-1 and 116-DR-2 east plume continued, but stopped on April 30 because of the close proximity to support facilities and haul roads. Excavation was initiated on May 1 at the 116-D-7 Trench.

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. A presentation to the Hanford Advisory Board (HAB) Environmental Restoration subcommittee was made to update the strategy effort. The Agreement-in-Principle was signed by the Tri-Parties and a draft Tentative Agreement is being developed. Tribal consultations are planned for May and a full HAB presentation in July.

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 simulated 1,000-year storm event was successfully accomplished on March 22, 1997. Plant and animal observations were performed in April, along with other routine activities.

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 signed in May by all interested parties.

Solid Waste Landfill/ Nonradioactive Dangerous Waste Landfill

The scope of activities associated with the Solid Waste Landfill and the Nonradioactive Dangerous Waste Landfill are being evaluated at this time. A conceptual model will be developed for the Solid Waste Landfill, and some soil-gas work may be planned for later this fiscal year.

300 AREA

300-FF-1 Operable Unit

Remedial Action (RA) - The RA subcontractor, Roy F. Weston Inc. (Weston), was given a notice to proceed on April 1, 1997, 1 month earlier than planned. A preconstruction conference with Weston was held on April 4, 1997. The RA subcontractor began design work and technical submittals preparation effective with the notice to proceed. Several submittals have been received and are being reviewed by project personnel. The RA subcontractor will be bringing equipment on site starting May 12 and will begin set-up of facilities shortly thereafter. A kick-off meeting was held on April 23, 1997, with Los Alamos Technical Associates (the Independent

Professional Engineering Subcontractor for Certification of Closure of the 300 Area Process Trenches). Task 1 (review of applicable documents) was initiated on April 28, 1997.

The Remedial Design Report/Remedial Action Work Plan was approved by the U.S. Environmental Protection Agency.

300-FF-2 Operable Unit

Limited Field Investigation (LFI) Report - Discussions regarding the 400 Area french drains were finalized at the April 1997 UMM. Comments on the text regarding the 300 Area WATS were resolved on April 23. Copies of the LFI report (Rev. 0), along with final comment dispositions from the regulatory review cycle, were transmitted to RL on April 30, 1997.

Groundwater Sampling - Analytical data received from groundwater sampling conducted during January was evaluated. Tabulated results will be presented for discussion at the May PMM. The waste profile for the eight drums of material generated during upgrade activities at well 699-S6-E4A was approved. A proposal to handle five of the drums that contain liquids will be discussed at the May PMM.

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DRAFT 4/24/97 lch
GWSUM.TBL

300-FF-2 Groundwater Sample Results from Well 699-S6-E4A

Analyte	Units	September 1995	April 1996	September 19, 1996	September 27, 1996	January 23, 1997
Gross alpha	pCi/L	319*	----	14.8	8.49	73.1
Gross beta	pCi/L	258*	----	30.7	20.6	39.3
Uranium (total)	µg/L	768*	108	35.4	27	165
Unknown VOA	µg/L	3200J	10J	41J	----	----
Unknown C13H28	µg/L	----	----	33J	----	----
Decane	µg/L	770J	----	----	----	----
Undecane	µg/L	1800J	----	----	----	----
Dodecane	µg/L	1600J	19J	----	----	----
Unknown alkane	µg/L	1800J	43J	----	----	----
Unknown Semi-VOA	µg/L	----	49	8J	9J	19J
Aniline	µg/L	----	----	----	41JN	2000JN
Tributyl Phosphate	µg/L	----	65	8J	1500D	700D
Octathiocane	µg/L	----	19J	----	----	----
Pentadecane	µg/L	----	15J	----	----	----
Tetradecane	µg/L	----	34J	----	----	----
Tridecane	µg/L	----	30J	----	----	----
TPH	mg/L	104	3.38	0.81	----	----
Gasoline (WTPH-G)	mg/L	0.39	----	----	----	----

* Based on unfiltered data - no filtered data available

300-FF-2 Groundwater Sample Results from Well 699-13-3A

Analyte	Units	September 1995	April 1996	January 23, 1997
Gross alpha	pCi/L	5.4	8.0	5.0
Gross beta	pCi/L	14.4	19.3	17.6
Uranium (total)	$\mu\text{g/L}$	8.49	9.6	8.9

Distribution
Unit Managers' Meeting: Remedial Action Unit/Source Operable Units 0 4 7 8 2 9
100, 200, and 300 Areas

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