

Distribution

Unit Managers' Meeting: 300 Areas Remedial Action Unit/Source Operable Units

Mary Jarvis.....	DOE-RL, RP (A5-15)
Kevin Leary	DOE-RL, RP (A6-38)
Owen Robertson	DOE-RL, RP (A3-04)
Mike Thompson.....	DOE-RL, RP (A6-38)
Jon Yerxa	DOE-RL, RP (A5-15)
Mike Goldstein	EPA (B5-01)
Brenda Jentzen	WDOE (Kennewick) (B5-18)
John Price	WDOE (Kennewick) (B5-18)
Wayne Soper	WDOE (Kennewick) (B5-18)
Randy Acselrod.....	Washington Dept. of Health
Lynn Albin	Washington Dept. of Health
Eileen Murphy-Fitch	FD (A1-14)
John April	BHI (L6-06)
Rich Carlson	BHI (H0-17)
Frank Corpuz	BHI (H0-17)
Lorna Dittmer	BHI (H0-02)
Jack Donnelly.....	BHI (H0-17)
Ella Feist	CHI (H9-01)
Larry Hulstrom	FH (E6-35)
Jeff Lerch	CHI (L6-06)
Jenifer Linville	CHI (H9-01)
Walter Remsen	BHI (H0-17)
Annie Smet	BHI (H0-17)
Michael Wetzler.....	BHI (H0-17)
Joan Woolard.....	BHI (H0-02)
Administrative Record	BHI (H0-09) 2 copies

RECEIVED
JUL 08 2003

EDMC

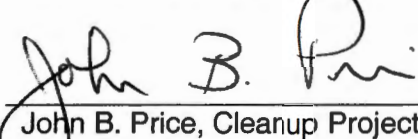
Please inform Michael Wetzler (372-9562) – BHI (H0-17)
of deletions or additions to the distribution list.

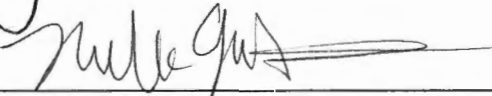
Meeting Minutes Transmittal/Approval
300 Area Unit Managers' Meeting
Remedial Action and Waste Disposal Unit/Source Operable Unit
3350 George Washington Way, Richland, Washington
April 2003

APPROVAL:  Date 5/13/03
Owen Robertson, 300-FF- 1 & 300-FF-2 Area Unit Managers, RL (A3-04)

APPROVAL:  Date 5/15/03
Kevin Leary, 618-10 & 618-11 Area Unit Manager, RL (A6-38)

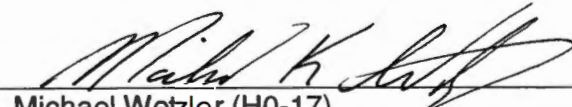
APPROVAL:  Date 5/13/03
Mike Thompson, 300-FF-5 Area Unit Manager, RL (A5-13)

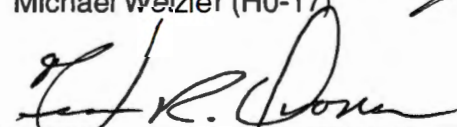
APPROVAL:  Date 5/13/03
John B. Price, Cleanup Project Manager, WDOE (B5-18)

APPROVAL:  Date 5/13/03
Mike L. Goldstein, 300 Aggregate Area Unit Manager, EPA (B5-01)

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

Attachment 1	--	Agenda
Attachment 2	--	Attendance Record
Attachment 3	--	300 Area Meeting Minutes – April 15, 2003
Attachment 4	--	Open Action Items List
Attachment 5	--	Stabilization Plan for Cadmium Contaminated Soils from the 300 Area

Prepared by:  Date 5/13/03
Michael Wetzler (H0-17)

Concurrence by:  Date 5/13/03
Vern Dronen, Project Manager
BHI Remedial Action and Waste Disposal Project (H0-17)

UNIT MANAGERS MEETING AGENDA

3350 GWW 1B45

April 15, 2003, 1:30 – 3:00 p.m.

300 Area

Administrative (1:30 – 1:45)

- Meeting minutes status
- Next UMM is May 20, 2003, 1:30 – 3:30, 3350 GWW (1B45)

300 Area Design & Assessment (1:45 – 2:00)

- 300 Area RDR/RAWP and SAP revisions
- Infrastructure Design
- Remaining Sites DQO/Confirmatory Sampling and Analysis Plan
- Dialogue with local governments regarding 300 Area reuse plan
- ESD to change cleanup standards for outlying 300-FF-2 waste sites

300 Area Remedial Action (2:00 – 2:30)

- Drum Treatment Plan
- 618-4 Remediation Status
- 618-5 Remediation Status
- Regrading Plan for FF-1 Sites
- Cleanup Verification Packages (CVPs) pending review

300-FF-5 (2:30 – 3:00)

- 300-FF-5 O&M Plan / SAP (Status of sampling and reporting)
- Response to EPA and USGS comment letters on shoreline study and annual GW monitoring report

Review and Update of Action Item List

Meeting Minutes Schedule

- Draft – 1 week
- Distribute – 1 Day
- Review – 1 week
- Incorporate – 1 week
- Finalize – Next UMM



Originator _____ Date _____ Calc. No. _____ Rev. No. _____
 Project _____ Job No. _____ Checked _____ Date _____
 Subject _____ Sheet No. _____

300 Area UMM Attendees List
 April, 15, 2003
 3350 Geo. Wash. Way, Room 1B45

<u>Name</u>	<u>Role</u>	<u>Phone</u>
Richard Carlson	300 Design+Assess. (BHE)	372-9632
Jean April	618-445-154	3-3008
Que Robertz	DOE-RL	373-6295
FRANK CORPUZ	BHI	531-0625
Jeff Lecch	CHI	373-5904
Dick Jaquish	WOODH	376-5446
Steve Clark	CHI	372-9531
Matt Haass	BHI	373-6372
Pam Doctor	BHI	372-9107
Astrid Larsen	DOE	372-0477
Alex Temouri	DOE/closure	376-6222
K. Michael Thompson	DOE/KL	373-0750
Mike Goldstein	EPA	376-4919

300 AREA UNIT MANAGER'S MEETING MINUTES
Tuesday, April 15, 2003
3350 GWW (1B45), 1:30 – 3:30 p.m.

Meeting Minutes Status. The March meeting minutes were approved and signed by those in attendance. These minutes are awaiting signature from Kevin Leary (U.S. Department of Energy, Richland Operations Office [RL]) and John Price (Washington State Department of Ecology [WDOE]).

The next UMM is scheduled for Tuesday, May 13, 2003, 1:30-3:30, 3350 GWW (1B40).

300 AREA DESIGN AND ASSESSMENT

- ***300 Area RDR/RAWP and SAP Revisions*** – Rich Carlson (Bechtel Hanford, Inc. [BHI]) advised that the remedial design report/remedial action work plan (RDR/RAWP) and sampling and analysis plan (SAP) documents were submitted to RL for concurrent RL, regulator, and Natural Resource Trustee member review. It was noted that the draft RDR/RAWP does not include 618-10 and 618-11 Burial Grounds information, still pending. It is still anticipated that this information will be included in an appendix to the RDR/RAWP before the revision is issued final.
- ***Infrastructure Design*** – Rich Carlson (BHI) advised that the infrastructure design is on schedule. This includes the highway revisions needed to support safe hauling operations and operational power requirements for remediation of 300-FF-2 waste sites west of Route 4 South. Design and relocation of the high voltage power pole located in the 618-8 Burial Ground will be performed by the Bonneville Power Administration (BPA) owner of the power poles.
- ***Remaining Sites Confirmatory Sampling and Analysis Plan*** – Rich Carlson (BHI) reported that confirmatory sampling and analysis plan (CSAP) is in the concurrent 45-day regulator and RL review period. EPA made a request to extend the review period by 2 week. RL approved the request.
- ***Dialogue with local governments regarding 300 Area reuse plan*** – Mike Goldstein (EPA) reported that the Richland City Council and staff from the Benton County Economic Development and Planning departments continue to discuss changing the current 300 Area land-use designation. Mike indicated that there was a letter written by Benton County on this subject followed by an RL response letter.

Alex Teimouri (RL) provided the following statement. On April 4, 2003, RL Manager sent a response letter to the March 17, 2003 letter from Max Benitz, Chairman, Board of Benton County Commissioners stating a desire to work with regulators and the local governments in assuring that the cleanup plans don't preclude future land use prescribed by existing land use plan. Furthermore, RL proposed a workshop/meeting to be held sometime in April 2003. However, so far, no specific request has been made by the local staff to this issue.

ACTION ** Alex Teimouri (RL) will provide references to these letters to add to the minutes. Owen Robertson will check into the option and costs of taking the contaminated soil at 618-4 Burial Ground to Arlington instead of the ERDF.

- ***ESD to change cleanup standards for outlying 300-FF-2 waste sites*** – Mike Goldstein (EPA) requested that an explanation of significant difference (ESD) be prepared as required by the 300-FF-2 ROD to document the changed cleanup standard from 350 pCi/g to 267 pCi/g for uranium. It was also agreed that a letter to the administrative record is also needed to document the analysis and conclusions of batch leach test data for the North Process Pond and tie together closeout of the 300-FF-1 Waste sites.

ACTION ** Rich Carlson (BHI) will ensure that the ESD scope is initiated. Rich will also prepare the North Process Pond batch leach test and 300-FF-1 closeout letter for the administrative record.

300 AREA REMEDIAL ACTION

- ***Drum Treatment Plan*** – Rich Carlson (BHI) reported that the Drum Treatment Plan was issued. The topic has been discussed at the Environmental Restoration Disposal Facility (ERDF) operations status meeting with the regulators.
- ***618-4 Remediation Status*** – John April (BHI) reported the remediation status of the 618-4 Burial Ground and provided background information on the plume of soil contaminated with total petroleum hydrocarbons (TPH) that was identified beneath the area where drums containing depleted uranium chips and oil were previously removed. John described the projects plan to remediate the plume by excavating the side slopes at a 1.5:1 slope and sampling at depth to determine the lateral extent of excavation required. Excavation is planned to start on May 15 or 16 and takes about two weeks to complete. There is a total of 8,700 tons of material with 3,000 tons of oil contaminated soil. The contaminated soils would initially be stockpiled within the burial ground AOC and be hauled to ERDF for disposal starting in July. After some discussion about an option to land farm the soils, EPA agreed with the soil disposal approach.
- ***618-5 Remediation Status*** – John April (BHI) gave a briefing on the remediation status of the 618-5 Burial Ground. He indicated that hauling should be completed by

May 14. There is about 1300 tons of lead brick, land disposal restriction (LDR) waste yet to be loaded and transported to ERDF. John April reported that the project celebrated 14 months without a first aid case. John also provided an attachment to the minutes describing the approved, "Stabilization Plan for Cadmium Contaminated Soils from the 300 Area." See Attachment 5.

- ***Regrading Plan for 300-FF-1 Sites*** – It was reported that a Baseline Change Proposal was approved to move the regrading scope in next FY.
- ***Cleanup Verification Packages (CVPs) Pending Review*** - Mike Goldstein (EPA) reported that there are no big issues on the landfill 1A and 1B CVPs which are close to completion. Mike stated the EPA is currently reviewing the CVP's for Landfill 1D and 316-2. He requested input for when comments are due.

ACTION ** Mike Goldstein (EPA) will provide comments on the Landfill 1D and 316-2 CVP's.

300-FF-5 OPERABLE UNIT

- ***300-FF-5 O&M Plan/SAP*** – Mike Thompson (RL) stated that first sample results are in from one of two new wells at the 618-10 Burial Ground. The good news is that the tritium levels were consistent with site-wide levels. The second well sample is due in next week.
- ***Response to EPA and USGS comment letters*** – Mike Goldstein (EPA) stated that EPA is trying to set up a groundwater meeting with the USGS. Bob Peterson (PNNL) and Mike Thompson are setting up a draft agenda for the meeting. The purpose of the meeting is for the USGS to review ongoing and planned groundwater monitoring activities. Potential meeting dates could be in the week of April 28 or May 12.
- ***Science and Technology Scope*** – Mike Thompson (RL) stated that the science and technology staff of the groundwater monitoring program is looking at uranium across the Hanford Site. An opportunity was provided to dig (trench and sample) the saturated and capillary fringe soils in the North Process Pond. The science and technology staffs are looking further into the geochemistry of uranium, which will support a better understanding of the long-term groundwater attenuation of uranium.

Review and Update of Action Item List. Outstanding 300 Area action items were reviewed. All but three outstanding items have been completed. See Attachment 4.

Outstanding 300 Area Unit Manager's Meeting Action Items

February 2003 Actions

- Mike Goldstein (EPA) to provide Mike Thompson (DOE) comments on the draft response letters and on the 2003 300 Area SAP.

March 2003 Actions

- Owen Robertson (RL) will verify if he received an estimate from BPA on the design and construction for moving the power poles.

April 2003 Actions

- Alex Teimouri (RL) will provide references to letters discussed in this meeting.
- Owen Robertson (RL) will check into the option and costs of taking the contaminated soil at 618-4 Burial Ground to Arlington instead of the ERDF.
- Rich Carlson (BHI) will ensure that the ESD scope is initiated. Rich will also prepare the North Process Pond batch leach test and 300-FF-1 closeout letter for the administrative record.
- Mike Goldstein (EPA) will provide comments on the Landfill 1D and 316-2 CVP's.

STABILIZATION PLAN FOR CADMIUM CONTAMINATED SOILS FROM THE 300 AREA

The U.S. Environmental Protection Agency (EPA) approved the stabilization plan as described in Reference 1 and the modification to the plan as described in Reference 2. As a result of recent remediation activities at the 618-5 burial ground, cadmium and lead contaminated soils which require treatment prior to disposal are currently being excavated and stockpiled. A modification of the stabilization plan to account for cadmium treatment is necessary to facilitate treatment and disposal.


This is consistent with the process described in Reference 2, which states:


“Newly excavated soil contaminated by barium, or any other RCRA metals, will only be subject to treatment if the total concentrations exceed 20X the LDR limits and a subsequent TCLP analysis confirms LDR limits have been exceeded. In such cases a bench scale test will be performed and a treatment plan will be prepared and submitted for EPA approval. On a case-by-case basis, with EPA concurrence, comparable tests and treatment plans for similarly contaminated soils will be used.”

This document serves as the modification to the stabilization plan. Bench scale testing was performed to verify that treatment with cement is effective in meeting the treatment standards for this cadmium and lead contaminated soil. Preliminary analytical results summarized in the table below indicate that treating the waste with an amount of cement equal to 40% of the weight of the treated waste reduces the leachability of both lead and cadmium to levels below the regulatory limit.

Metal	Total Metals (ppm)	Untreated TCLP(ppm)	Treatment Standard in soil matrix (ppm)	Treated TCLP (ppm)	Detection Limits (ppm)
Cadmium	19.2	0.31	1.1	ND	0.12
Lead	631	16.0	7.5	ND	0.25

The signatures below indicate that this modification to the stabilization plan to allow treatment of cadmium and lead contaminated soil is acceptable pending confirmation of the preliminary analytical results.

Approval: 
Owen Robertson, Environmental Restoration
Richland Operations
U.S Department of Energy

Approval: 
Michael Goldstein, EPA 300 Area Project Manager

- References:
- (1) DOE ltr. to D. R. Sherwood, EPA, from O. C. Robertson
"Stabilization Plan for 300 Area Lead Contaminated Soil, RFS-
ERDF-007, Rev. 0," dtd. February 8, 1999.
 - (2) DOE ltr. to D. R. Einan, EPA, from K. D. Bazzell "Stabilization
Plan for Lead and Barium Contaminated Soils from 300-FF-1,"
dtd. July 25, 2002