

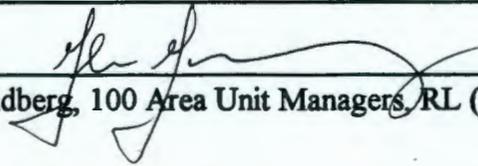
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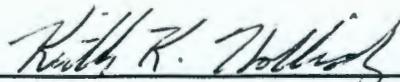
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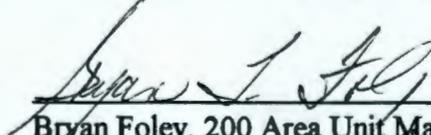
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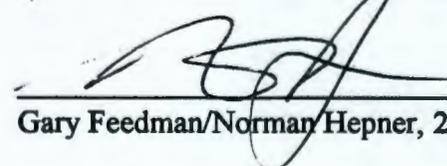
Meeting Minutes Transmittal/Approval
Unit Manager's Meeting: Remedial Action Unit/Source Operable Units
2440 Stevens Center, Conference Room 1200, Richland, Washington
October 19, 1996

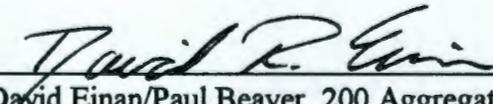
FROM/APPROVAL:  Date 2/27/96
 Nancy Werdel/Glenn Goldberg, 100 Area Unit Managers, RL (H0-12)

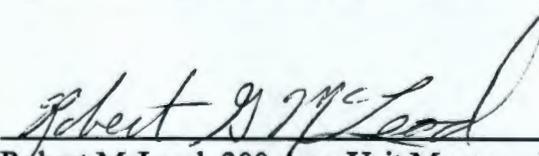
APPROVAL:  Date 3-1-96
 Wayne Soper/Keith Holliday, 100 Aggregate Area Unit Managers, Ecology (B5-18)

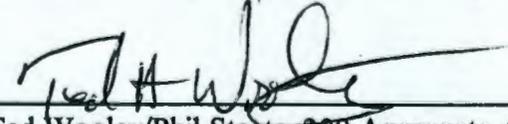
APPROVAL:  Date 2/28/96
 Dennis Faulk/Kevin Oats, 100 Aggregate Area Unit Managers, EPA (B5-01)

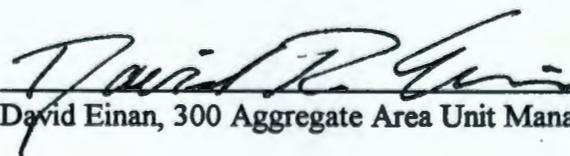
APPROVAL:  Date 27 Feb 96
 Bryan Foley, 200 Area Unit Manager, RL (H0-12)

APPROVAL:  Date 27 Feb 96
 Gary Feedman/Norman Hepner, 200 Aggregate Area Unit Managers, Ecology (B5-18)

APPROVAL:  Date 27 Feb 96
 David Einan/Paul Beaver, 200 Aggregate Area Unit Managers, EPA (B5-01)

APPROVAL:  Date 2-27-96
 Robert McLeod, 300 Area Unit Manager, RL (H0-12)

APPROVAL:  Date 2-27-96
 Ted Wooley/Phil Staats, 300 Aggregate Area Unit Managers, Ecology (B5-18)

APPROVAL:  Date 27 Feb 96
 David Einan, 300 Aggregate Area Unit Manager, EPA (B5-01)



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

- | | | |
|---------------|---|---|
| Attachment #1 | - | Meeting Summary/Summary of Commitments and Agreements |
| Attachment #2 | - | Agenda |
| Attachment #3 | - | Attendance Sheet |
| Attachment #4 | - | Status Package |
| Attachment #5 | - | 100 BC Remedial Design Status |
-

Prepared by:

Tamen Lundquist
Alan Krug/Tamen Lundquist (H0-17)

Date

2/27/96

Concured by:

Greg Eidam

Greg Eidam, BHI Remedial Action Projects Manager (H0-17)

Date

2/27/96

Remedial Action Unit Manager's Meeting**Thursday, October 19, 1995****2440 Stevens Center, Room 1200****100Area**

- 1:00 Introduction - Eidam/Murphy
- 1:05 100 Area ROD Strategy Status - Ecology/EPA
- 1:15 Identify EPA/Ecology Contact Persons
- ▶ 100 Area Remaining Site FFS
 - ▶ 100-IU-2 and 100-IU-6 Focus Package
- 1:20 Remedial Design Schedule Review - Van Sickle
- 1:35 Rock Screening Schedule Review - Van Sickle
- 1:45 Miscellaneous 100 Area Discussion

300 Area

- 2:00 FF-1/5 Status - McLeod
- 2:40 FF-2 Status - McLeod
- 3:00 Adjourn

Note: 200 Area Unit Managers will schedule a site visit this month.

STATUS PACKAGE

OCTOBER UNIT MANAGERS' MEETING

SOURCE OPERABLE UNITS

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

200 AREAS

300 AREA

10/12/95

100 AREAS

Focused Feasibility Studies and Proposed Plans

100-BC-1/100-HR-1/100-DR-1 FFS/PP/ROD After receiving a draft of the interim action Record of Decision (ROD) from the U. S. Environmental Protection Agency (EPA) on September 1, 1995, reviews and meetings involving EPA, Washington Department of Ecology (Ecology), U. S. Department of Energy, Richland Operations Office (DOE-RL), and Environmental Restoration Contractor (ERC) occurred during September. These discussions culminated in the signing of the ROD by the Tri-Parties on September 28, 1995. A public ceremony for the signing of the ROD is planned for October 4, 1995, in the 100-B/C Area.

100 Area Remaining Sites FFS/PP/ROD DOE has submitted to EPA and Ecology a proposed strategy for completing Focused Feasibility Studies (FFS) for the remaining 100 Area waste sites not in the first ROD. The strategy was a developed after a meeting between all agencies and reflects two additional RODs covering 1) remaining liquid waste disposal sites and miscellaneous sites and 2) burial grounds and sites similar to burial grounds. DOE has provided a strawman of which sites go in each ROD for regulator review. The intent of the FFS will be to will focus on the information available for each site using existing documentation (to the extent practical), and to determine and evaluate uncertainties with respect to risk, design, and action.

100-IU-1/-3/-4/-5 PP Based on agency comments, 100-IU-1, 100-IU-3, 100-IU-4, and 100-IU-5 were combined into one PP. Rev. 0 of the PP was submitted to the regulators on June 16, 1995. A 45-day public comment period on the PP was initiated on June 26, 1995, and ended on August 9, 1995. No public meeting was held. The PP was submitted for public review in concert with 100-B/C, -DR, and -HR-1 PPs. Of the few comments received, most supported the no action recommendation. Responses will be summarized in a responsiveness summary. The no action ROD is being drafted by Ecology and EPA.

100-HR-2 The 100-HR-2 FFS and PP were submitted to Ecology and EPA on January 30, 1995. Regulators comments were due to DOE on March 15, 1995. The regulators have indicated that they will postpone comment until a strategy for RODs addressing the remaining 100 Area waste sites has been developed.

100-IU-2 and 100-IU-6 A 100-IU-2 Operable Unit Technical Baseline Report inventorying waste sites in the operable unit (which includes waste sites near the former White Bluffs townsite) is in progress. Once completed, work on the Focus Package will be initiated in conjunction with 100-IU-6.

For the 100-IU-6 Operable Unit, which includes waste sites near the former Hanford townsite, work initiated on the Focus Package in September 1995 continued. Work involved categorizing and positioning waste sites to prepare for field visits.

100-DR-2 Comments on the 100-DR-2 FFS and PP were received from Ecology on August 9, 1995. In the interest of directing resources toward remediation rather than additional documentation of the remedial investigation and feasibility study phase, Ecology indicated that formal responses to their comments or revisions to the FFS were not required. However, clarification to comments requesting the addition of three waste sites to the process has been requested from Ecology by October 9. In addition, Ecology has agreed to ERC/DOE-RL-requested revisions to Sections 6.0 and 7.0 of the FFS.

100-KR-2 Work was initiated on the 100-KR-2 Proposed Plan to meet a Tri-Party Agreement (TPA) milestone of December 31, 1995.

100-FR-2 Work was initiated on the 100-FR-2 Proposed Plan to meet a proposed TPA milestone of October 31, 1995.

Treatability Studies

100 Areas Remediation Cost Analysis The Remove/Dispose versus Remove/Treat/Dispose cost model was used to perform a tradeoff study looking at the effects of varying treatable soil volumes and fixed annual budgets. It is anticipated that this tradeoff study will be ready for regulator review in November, 1995.

Soil Washing Treatability Study All Regulator and Washington State Department of Health comments have been resolved and incorporated into the Soil Washing Treatability Study Report. The final report is available in the administrative record.

B/C Demonstration Project

100-BC-1 ERA The sonic cone penetrometer was used to delineate the extent of contamination at the 116-B-4 French Drain. Based on this information, a specific scope was outlined to the remediation subcontractor and a change order was negotiated for additional excavation. Final analytical results from the 116-B-5 Crib were received indicating that contaminant levels are below clean upstandards. Data packages are being prepared to support backfill and close out of this site. The remediation contractor for the 116-C-1 Trench was mobilized in August and completed removal of overburden. Plans were modified to change from soil bagging to bulk storage. About 3,381 m (3,700 yds) of contaminated soil were excavated in September. A TPA NPL Agreement form was processed in September, which significantly reduced analytical requirements at 116-C-1.

B/C Area

100-BC-1 Remedial Action Design Remedial action design activities continue on multiple sites in 100-BC-1 (116-B-1, 116-B-11, 116-B-13, 116-B-14, 116-C-1, and 116-C-5), two sites in 100-DR-1 (116-D-1A, 116-D-1B), and one site in 100-HR-1 (116-H-1). Detail design on these sites was initiated in September.

D Area

100-DR-1 Group I remedial design activities continued during September in conjunction with the 100-BC and 100-HR Areas. The first two Group I waste sites to be addressed in remedial design are the 116-D-1A and 116-D-1B Trenches. The FY 1996 work planning will provide additional remedial design activities into the 100-D Area ADS.

H Area

100-HR-1 Group I remedial design activities continued during September in conjunction with the 100-B/C and 100-DR Areas. The first 100-H Area Group I waste site to be addressed in remedial design is the 116-H-1 process effluent disposal trench. The FY 1996 work planning will provide additional remedial design activities into the 100-H Area ADS.

K Area

See focused feasibility studies and proposed plans

F Area

100-FR-1 The 100-FR-1 LFI/QRA was revised to include Regulator comments and issued.

200 AREAS**200-UP-2 Operable Unit**

Limited Field Investigation Report Comment responses were submitted to the regulators for review. Ecology has indicated that the document should be issued as Rev. 0. The document will be issued in early October.

200-UP-2 Focused Feasibility Study Work continues on various sections of the document, including remedial action objectives, ARARs, technology/alternative descriptions, and screening. A meeting/site tour will be scheduled in October to brief RL and the Regulators on the remedial action objectives and alternatives being considered.

200-BP-11 Operable Unit

The schedule for implementation of Volume 1 of the *200-BP-11 Operable Unit RFI/CMS and 216-B-3 Main Pond, 216-B-63 Trench, and 216-A-29 Ditch Work/Closure Plan* (DOE/RL-93-74, Draft B) continues to be negotiated between the ERC, DOE-RL, and Ecology. The regulators have initiated the dispute resolution process to come to agreement on an acceptable schedule. A revised schedule that proposes to conduct characterization in FY 1997 and 1998 and to submit the CMS/Proposed Plan to the regulators in September 1999 was presented at the September 27, 1995, Project Managers' Meeting. This schedule was rejected and the issue has now been raised to the Project Managers for resolution. After finalization of the schedule, Rev. 0 of the document will be prepared for public review and implemented, as presented in the schedule.

300 AREA

300-FF-1 Operable Unit

Proposed Plans Discussions continued between the DOE, EPA, and Ecology regarding the scope and cleanup criteria for the combined 300-FF-1/300-FF-5 Operable Unit Proposed Plan. An agreement was reached to include the Burial Ground alternatives in the proposed plan. Sampling in the South Process Pond was performed to facilitate discussion on the cleanup standard for cobalt.

Feasibility Studies Work on the draft addendum to the 300-FF-1 Phase III Feasibility Study and 300 Area Process Trenches Closure Plan is continuing. Additional comments from Ecology were addressed and incorporated into the addendum. The addendum documents agreements made between DOE, EPA, and Ecology during discussions on the 300-FF-1 OU Proposed Plan.

Appendix G was revised and submitted for review.

300-FF-2 Operable Unit

RI/FS Work Plan During the review of the redlined version of the Work Plan, it was decided to combine the Work Plan and LFI Report. The Work Plan will not be issued for public review.

Field Investigations The 300-FF-2 characterization activities, based on the DQO process are completed. Well remediation was completed and groundwater samples were taken at four well locations. Groundwater monitoring at selected wells associated with the 618-10 and 618-11 Burial Grounds was completed. Geophysical surveys were completed at 600-47. Downposting surveys were completed at the Aluminum Shavings site north of the 300 Area railroad tracks. The majority of the material collected is nonradioactive metallic debris.

100 BC ERA Demonstration Status

- **116-C-1 Trench**
 - ✓ **SAP revised with significant sampling reduction**
 - ✓ **excavation at 426' elevation (start at 441')**
 - ✓ **over 10,000 yards removed**
 - ✓ **modest contamination encountered to date**

- **116-B-4 French Drain**
 - ✓ **over 400 yds removed (235 bags)**
 - ✓ **tedious progress with soil bagging/site logistics**

- **116-B-5 Crib**
 - ✓ **data evaluation package in process**

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100 BC Remedial Design Status

- **Detailed design underway including:**
 - ✓ refining conceptual site models
 - ✓ developing systems description
 - ✓ developing contingency plans
 - ✓ 15 engineering specs
 - ✓ 50 drawings
 - ✓ finalize treatment studies
 - ✓ safety assessment
 - ✓ design basis report

- **RD Report and Remedial Action Work Plan started**

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Distribution
 Unit Manager's Meeting: Remedial Action Unit/Source Operable Units 027970
 100, 200, and 300 Areas

Nancy Werdel	DOE-RL, RDS (H0-12)
Mike Thompson	DOE-RL, RDS (H0-12)
Glenn Goldberg	DOE-RL, RDS (H0-12)
John Murphy	DOE-RL, RDS (H0-12)
Julie Erickson	DOE-RL, RDS (H0-12)
Nicole Kimball	DOE-RL, RDS (H0-12)
Bryan Foley	DOE-RL, RDS (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
Paul Beaver	EPA
Larry Gadbois	EPA
Kevin Oates	EPA
Bill Lum	(Support to EPA) USGS
Jim Pankanin	(Support to EPA) PRC
Phil Staats	100 Aggregate Area Manager, WDOE (B5-18)
Chuck Cline	WDOE (Lacey)
Wayne Soper	WDOE (Kennewick)
Ted Wooley	WDOE (Kennewick)
Gary Freedman	WDOE (Kennewick)
Norman Hepner	WDOE (Kennewick)
David Holland	WDOE (Kennewick)
Keith Holliay	WDOE (Kennewick)
Lynn Albin	Washington Dept. of Health
G. R. Eidam, BHI	(H0-17)
G. O. Gesell	(H0-17)
T. L. Lundquist	(H0-17)
J. R. James	(H0-17)
G. E. Van Sickle	(H0-17)
J. G. Woolard	(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 DCC (H0-09)
Kay Kimmel	MAC (B1-42)
T. M. Wintczak	BHI (H0-11)
Andrea Hopkins	BHI (H9-11)
Tom Page (Please route to:)	PNL (K9-18)
Cheryl Thornhill	PNL (K9-14)
Mark Hanson	PNL (K9-02)
Roy Gephart	PNL (K9-70)
Steve Slate	PNL (K9-14)
Bill Stillwell	PNL (K9-09)
Ben Johnson	PNL (K9-70)