



Final

### Meeting Minutes Transmittal/Approval Unit Manager's Meeting: 300-FF-1 Operable Unit Room 1200, 2440 Stevens Center Place, Richland, Washington February 16, 1995

FROM/APPROVAL:	Robert G. McLeod, 300-FF-1 Unit Manager, RL (H4-83)
APPROVAL:	Date 16 Mar 95  Dayld R. Einan, 300-FE-1 Unit Manager, EPA (B5-01)
APPROVAL:	Ted Wooley, 300-FF-1 Unit Manager, WA Department of Ecology
Meeting Minutes are a	ttached. Minutes are comprised of the following:
Attachment #1 -	Meeting Summary/Summary of Commitments and Agreements
Attachment #2 -	Attendance List for 300 Areas
Attachment #3 -	
	Action Items Status List
Attachment #5 -	300 Area Unit Managers Meeting
Attachment #6 -	Schedules for the 300-FF-1 OU, 300-FF-5 OU, and 300 Area Process Trenches
Attachment #7 -	Concluding the 300-FF-1 Phase III Feasibility Study
	234567897077725
PREPARED BY:	Lay Liminel Date 3/14/95 Kay Kimmel, GSSC (B1-42)
CONCURRENCE BY	Richard A. Carlson, BHI 300-FF-1 OU Coordinator (H6-01)

# Attachment #1 Meeting Summary Unit Manager's Meeting: 300-FF-1 Operable Unit February 16, 1995

#### 1. SIGNING OF THE JANUARY 300-FF-1 MEETING MINUTES:

January minutes were reviewed and approved.

#### 2. ACTION ITEM UPDATE (See Attachment #4):

No open action items.

#### 3. NEW ACTION ITEMS (INITIATED February 16, 1995):

No new action items were initiated.

- **4. STATUS OF RI/FS ACTIVITIES:** Rich Carlson provided the Operable Unit status (see Attachments #5 and #6).
  - Phase III Feasibility Study (FS) Report Rich Carlson provided a copy of the overheads used in the January 26, 1995 presentation on the changes made in the latest revision of the Phase III FS report (Attachment #7). Dave Einan indicated EPA comments will be submitted on February 17, 1995. Ted Wooley noted that Doug Wells, of the Department of Health, had additional parameters to be used in the RESRAD model. Bob McLeod requested the parameter changes before rerunning the model.
  - <u>Proposed Plan</u> R. Carlson noted the Proposed Plan is currently undergoing technical editing efforts.

#### 5. INFORMATION ITEMS:

- 300 Area Process Trenches (APT) Closure Plan T. Wooley noted he had the complete Notice of Deficiency responses, except for the information to be supplied by Jeff Lerch. He noted internal discussions on groundwater protection were being held and that these should be resolved in the near future. R. Carlson noted that comments are due 06 March 1995.
- <u>300 APT Part A Permit</u> R. Carlson noted that vanadium pentoxide and formic acid were not disposed at the 300APT, therefore no modification of the Part A Permit will be required to include these chemicals.
- Next CERCLA Unit Manager Meeting The next meetings are scheduled for:

March 16, 1995 April 19, 1995 May 18, 1995 June 22, 1995 July 20, 1995 August 23, 1995 September 21, 1995

#### Attachment #2

#### 300 Aggregate Area: Operable Unit Manager's Meeting Official Attendance Record February 16, 1995

Please print clearly and use black ink

Please print clearly and use black ink PRINTED NAME	ORGANIZATION	O.U. ROLE	MSIN	TELEPHONE
Larry Hulstram	ITH BHI	Os Coordinator	H6-01	376 - 4034
Till Wolf	Eulesy	ud.		736-312
William E Lum 5	U5GS	CPA Support		206 593 6510
Diane Siek/E	ERC	Support, BI	17 H4-79	(509) 375-942
Bob My Lood	DOE	4.17.		(509) 372-009
Richard A Carlson	ERC	FF-1/5 Task Lood	l 46-03	(509) 376-902
HASSANEC-BIETAIZ	BHI	TPA COUNDINATOR	H6-79	372-9/24
DINA L. MURPHY	DOELEAP	TPA Support	A5 15	373-9851
JAMES ZEISLOFT	DOEL EAP	TPX SUPPORT	A5-15	373-1068
Dave Einen	EPA	Unn	B5-01	376-3883
Glann Von Sickle	BHI	Proj Man	H6-05	372-3370
Kuet D Lyso	ITH	FF-2 Task Lead		373 -9647
Jenz Corr	Ecolosil	0,14		736-3049
KAY KIMMEL	MACTEC	RESUPPORT	B1-42	946-3692
			1	
			•	
			***************************************	
			-	
	••••			
		l		L

### Meeting Agenda

Unit Manager's Meeting: 300-FF-1 Operable Unit February 16, 1995

- o Action Items
- o Phase III FS Report
- o Proposed Plan
- o 300 Area Process Trenches Closure Plan
- o Forecasted and Other Activities

#### Attachment #4

#### Action Item Status List

Unit Manager's Meeting: 300-FF-1 Operable Unit February 16, 1995

ITEM NO.	ACTION	STATUS

No action items.

### Unit Manager's Meeting: 300-FF-1 Operable Unit February 16, 1995

- 1. Action Items
  - o Currently no open action items
- 2. Phase III FS Report
  - o DOE/Regulator Briefing on Redline Changes (Presentation Attached)
  - o Redline of Key Revised Sections Submitted for DOE/Regulatory Review
  - o Schedule
- 3. Proposed Plan
  - o DOE Comments Received, Incorporated, Redline in DOE review
  - o Schedule
- 4. 300 Area Process Trenches Closure Plan
  - o NOD Response Table Submitted to DOE for DOE/Regulator Review
  - o Document Redline Submitted to DOE for DOE/Regulator Review
  - o Contained-In Memo; DOE/WHC comments being incorporated
  - o Schedule
- 5. Forecasted and Other Activities
  - o Public Review Process
  - o Remedial Design

Activity ID	Activity Description	Percent	IPCN	DEC JAN FEB MAR APR MAY JUN JUL
		complete	2 4-5	85 12119 26 2 9 16 2330 6 13 20 27 6 13 20 27 3 10 17 24 1 8 15 22 29 5 12 19 26 3 10 17 24 3
SA0050	UMENT - TASK 1P21140A0A REWRITE-INCORPORATE COMMENTS IN FS III	96	P211A	
SA0055	DELIVER FINAL FS III TO DOE	0	P211A	14FEB95 <u></u> 13FEB95
ART VEND	OR TEST - TASK 1P21140B0A			
SA0075	DELIVER FINAL ART VENDOR TEST TO DOE	100	P211F	EC94A ₹20DEC94A
PROPOSE	D PLAN - TASK 1P21140C0A			
SA0105	PREPARE DRAFT FOR BHI REVIEW	100	P211G	06DEC94A
SA0110	BHI REVIEW	100	P211G	▼22DEC94A
SA0115	BHI COMMENTS INCORPORATED AND REVISED	100	P211G	
SA0120	SUBMIT FOR DOE REVIEW	100	P211G	OJAN95A # O9JAN95A
SA0125	DOE REVIEW	100	P211G	10JAN95A 703EER95
SA0130	DOE COMMENTS INCORPORATED AND REVISED	95	P211G	Tronitoson Ebso
SA0135	TRANSMIT TO DOE	0	P211G	06FEB95 ₹706FEB95
SA0140	DOE TRANSMITS TO REGULATORS	0	P211G	17FEB95 ☑ 17FEB95
SA0145	REGULATOR REVIEW	0	P211G	
SA0150	INCORPORATE REGULATOR COMMENTS AND REVISE	0	P211G	21FEB95△
SA0155	TRANSMIT FINAL PROPOSED PLAN TO DOE	0	P211G	17APR95
SA0160	DOE TRANS TO REG. FOR PUBLIC REV FY95-PM-022	0	P211G	03MAY95⊠02MAY95 # ⊕
SA0165	PUBLIC REVIEW	0	P211G	03MAY95△
SA0170	PUBLIC MEETING	0	P211G	30MAY95 <b>₹</b> 730MAY95
SA0175	SUPPORT FOR ROD ISSUE	0	P211G	19JUN95
SURVEILA	NCE - TASK 1P21140D0A			92
	MOVE REGULATED EQUIPMENT	50	P211J	<b>√28FEB95</b>
SA0085	SURVEILANCE ACTIVITY - CONTINUOUS	34	P211J	
PROCESS	TRENCH CLOSURE - TASK 1P21140E0A			
SA0225	ESTABLISH ADMINISTRATIVE RELIEF FOR CLOSURE PLAN	100	P211K	22DEC94A
Businest Co. 4	OS UN OA A TO Faste Bas LORI			Sheet 1 of 2 3300-95-002 Rev 9
Project Start Project Finish	11FEB98 Target Bar			BECHTEL HANFORD INCORPORATED  Date Revision Checked Approved
Data Date Plot Date	03FEB95 06FEB95 Critical Activity		EN	VIRONMENTAL RESTORATION PROJECT  300-FF-1 OPERABLE UNIT
(c) Primave	ra Systems, Inc.			SOUTH OF ENGLE OITH

Description ASK 1P25140A0A SOLVE DOE COMMENTS EPARE DRAFT A RI/FS I TRANSMIT TO DOE	100 100	P254A	DEC JAN FEB MAR APR MAY JUN JUL 5 1219 26 2 9 16 23 30 6 13 20 27 6 13 20 27 8 10 17 24 1 8 15 22 29 5 12 19 26 3 10 17 24 5			
SOLVE DOE COMMENTS  EPARE DRAFT A RI/FS  I TRANSMIT TO DOE		P254A	22DEC94A			
EPARE DRAFT A RI/FS		120111	ZZDLOJAA			
TRANSMIT TO DOE	100					
		P254A	13JAN95A			
	100	P254A	13JAN95A 13JAN95A			
E TRANSMITS TO REGULATORS(TPA M/S 15-04B/C)	100	P254A	19JAN95A 19JAN95A			
A / ECOLOGY REVIEW	31	P254A	20JAN95A 07MAR95			
SOLVE EPA/ECOLOGY COMMENTS	0	P254A	08MAR95A▲ ∑23MAR95			
CORPORATE COMMENTS, ISSUE RI/FS	0	P254A	24MAR95△			
AN - TASK 1P25140B0A			3			
	100	P2541	Z2DEC94A (musicians)			
EPARE REVISED PROPOSED PLAN	100	P2541	22DEC94A			
I TRANSMIT TO DOE	100	P2541				
E TRANSMIT TO REGULATORS	100	P2541	13JAN95A 13JAN95A 19JAN95A 19JAN95A			
GULATOR REVIEW	34	P2541	19JAN95A \			
SOLVE REGULATOR COMMENTS	0	P2541	07MAR95△			
	0	P2541	23MAR95△			
E TRANSMITS TO REGULATORS FOR PUBLIC	0	P2541	13APR95			
BLIC REVIEW	0	P2541	27APR95△			
BLIC MEETING	0	P2541	18MAY95 ☑ 18MAY95			
PPORT FOR ROD ISSUE	0	P2541	13JUN95			
ALYSIS - TASK 1P25140C0A			*			
	O	P2542	03APR95*△ ∇08MAY95 #6			
SCUSS ROUND 9 W/REGULATORS	0	P2542	20APR95 <sub>№</sub> 19APR95			
PREPARE TASK ORDER FOR ANALYTICAL SERVICES		P2542	03APR95 08MAY95			
9 PREPARE FOR SAMPLING		P2542	09MAY95Δ∇01JUN95 ω			
5 ROUND 9 SAMPLING		P2542	02JUN95 △			
01JUL94		DE(	Sheet 1 of 2 3300-95-002 Rev 9  CHTEL HANEORD INCORPORATED Checked Approx			
11FEB98 03FEB95 08FEB95 08FEB95 0avera Systems, Inc.						
	SOLVE EPA/ECOLOGY COMMENTS CORPORATE COMMENTS, ISSUE RI/FS  LAN - TASK 1P25140B0A SOLVE DOE COMMENTS  EPARE REVISED PROPOSED PLAN I TRANSMIT TO DOE DE TRANSMIT TO REGULATORS GULATOR REVIEW SOLVE REGULATOR COMMENTS CORPORATE COMMENTS & ISSUE FINAL PLAN TO DE DE TRANSMITS TO REGULATORS FOR PUBLIC VIEW BLIC REVIEW BLIC REVIEW BLIC MEETING PPORT FOR ROD ISSUE  ALYSIS - TASK 1P25140C0A EPARE ROUND 9 SAMPLING PLAN SCUSS ROUND 9 W/REGULATORS EPARE TASK ORDER FOR ANALYTICAL SERVICES EPARE FOR SAMPLING  OLJULA PROPIES BAY OFEBSS OFFEBS CRIEGAL ACTIVITY  Target Bar Target Bar OLDRING  LORI  LORI  LORI  Target Bar OLDRING  LORI  Target Bar OLDRING  OLDRING  CRICCAL ACTIVITY  LORI  Target Bar OLDRING  LORI  Target Bar OLDRING  OLDRING  CRICCAL ACTIVITY  LORI  LORI  Target Bar OLDRING  LORI  Target Bar OLDRING  LORI  CONTROL ACTIVITY  LORI  Target Bar OLDRING  OLDRING  CRICCAL ACTIVITY  LORI  LORI  Target Bar OLDRING  CRICCAL ACTIVITY  LORI  Target Bar OLDRING  CRICCAL ACTIVITY  LORI  Target Bar OLDRING  CRICCAL ACTIVITY  LORI  CONTROL ACTIVITY  CRICCAL ACTIVITY  CONTROL ACTIVITY  CRICCAL ACTIVITY  CRICAL ACTIVITY  CRICCAL	SOLVE EPA/ECOLOGY COMMENTS  CORPORATE COMMENTS, ISSUE RI/FS  O  LAN - TASK 1P25140B0A SOLVE DOE COMMENTS  EPARE REVISED PROPOSED PLAN  ITRANSMIT TO DOE  DE TRANSMIT TO REGULATORS  GULATOR REVIEW  SOLVE REGULATOR COMMENTS  CORPORATE COMMENTS & ISSUE FINAL PLAN TO DE  CORPORATE COMMENTS & ISSUE FINAL PLAN TO DE  CORPORATE COMMENTS & O  CORPORATE COMMENTS O  O  CORPORATE C	A7 ECOLOGY REVIEW  SOLVE EPA/ECOLOGY COMMENTS  O P254A  CORPORATE COMMENTS, ISSUE RI/FS  O P254A  CORPORATE COMMENTS, ISSUE RI/FS  O P254A  CORPORATE COMMENTS  SOLVE DOE COMMENTS  EPARE REVISED PROPOSED PLAN  ITRANSMIT TO DOE  OE TRANSMIT TO REGULATORS  GULATOR REVIEW  SOLVE REGULATOR COMMENTS  CORPORATE COMMENTS & ISSUE FINAL PLAN TO  OE  ETANSMITS TO REGULATORS FOR PUBLIC  OP2541  CORPORATE COMMENTS & ISSUE FINAL PLAN TO  OE  ENERGY OF P2541  BLIC REVIEW  OP2541  BLIC MEETING  OP2541  ALYSIS - TASK 1P25140COA  EPARE ROUND 9 SAMPLING PLAN  OP2542  CUSS ROUND 9 W/REGULATORS  OP2542  DUND 9 SAMPLING  OP2542  OUND 9 SAMPLING  OP2542			

Activity	Activity	JAN FEB MAR APR MAY JUN JUL AUG
ID	Description	6 2 9 16 23 30 6 13 20 27 6 13 20 27 3 10 17 24 1 8 15 22 29 5 12 19 26 3 10 17 24 31 7 14 21 28
APT-110	PREPARE NOD TABLE & REDLINE DOCUMENT	6 2 9 16 23 30 6 13 20 27 6 13 20 27 3 10 17 24 1 8 15 22 29 5 12 19 26 3 10 17 24 31 7 14 21 28
APT-120	BHI REVIEW TABLE & REDLINE	23JAN95A 30JAN95A
APT-130	INCORPORATE BHI COMMENTS	31JAN95A. ▼09FEB95
APT-170	SUBMIT NOD TABLE & REDLINE TO DOE	10FEB95 △ 10FEB95
APT-180	DOE TRANSMIT NOD TABLE & RDLN TO DOE & REGULATOR	13FEB95△▽17FEB95
APT-190	REGULATOR & DOE REVIEW TABLE & REDLINE	20FEB95△
APT-200	INCORPORATE REGULATOR & DOE COMMENTS	14MAR95 30MAR95
APT-210	SUBMIT ADVANCE REVIEW RELINE & NOD TABLE TO DOE	31MAR95∆31MAR95
APT-220	DOE TRNS ADVANCE REV REDLINE TO REGULATORS	31MAR95
APT-230	REGULATOR ADVANCE REV PERIOD	14APR95△
APT-240	PUBLIC REVIEW	15MAY95
APT-250	PUBLIC MEETING	30MAY95*Д30MAY95

#6/Page 3 of 3

Project Start 04JAN95
Project Finish 04AUG95
Data Date 03FEB95
Plot Date 04FEB95

(c) Primavera Systems, Inc.

Early Bar

Progress Bar

Critical Activity

Bechtel Hanford Incorporated 300 Area Process Trench Schedule Subproject Schedule 1 3300-95-006 Rev. 2
Pate Revision Checked Approve

# Concluding the 300-FF-1 Phase III Feasibility Study

Richard A. Carlson January 26, 1995

Bechtel Hanford, Inc.

A review of where the Feasibility Study has been and where it needs to go:

- Status of document
- Changes from the redline
- Changes from internal reviews
- Conclusions
- Recommendations

### Status of Document

This is where the document is at:

- The schedule is becoming critical
- Reviewed by DOE/EPA/Ecology
- Redline comments addressed (finalizing Appendix G)
- FF-1/FF-5 consistency review complete
- This briefing will bring everyone up to speed

### Schedule

The FS is behind schedule with Project Impacts Pending.

- Integrated public review of FF-1/FF-5 and the 300 APT/CP is driving the schedule.
- Regulator reviewof the Proposed Plan will slip day by day starting February 1.
- Public review of the Proposed Plan will slip day by day starting February 10.

Activity	Activity	Pct	TPCN	NOV   DEC JAN FEB   MAR APR MAY		
ID	Description ( )	cpt		1 7 14 21 28 5 12 19 26 2 9 16 23 30 6 13 20 27 6 13 20 27 8 10 17 24 1 8 15 22 29		
10050	JMENT - TASK 1P21140A0A REWRITE-INCORPORATE COMMENTS	90	P211A	▼31JAN95		
	IN FS III					
	DELIVER FINAL FS III TO DOE	0	P211A	01FEB95 <b>▽</b> 01FEB95		
	OR TEST - TASK 1P21140B0A					
	DELIVER FINAL ART VENDOR TEST TO DOE	100	P211F	20DEC94A ▼20DEC94A		
	D PLAN - TASK 1P21140C0A					
A0105	PREPARE DRAFT FOR BHI REVIEW	100	P211G	06DEC94A		
A0110	BHI REVIEW	100	P211G	06DEC94A 22DEC94A		
A0115	BHI COMMENTS INCORPORATED AND REVISED	100	P211G	martisting.		
A0120	SUBMIT FOR DOE REVIEW	100	P211G	06DEC94A 09JAN95A 09JAN95A		
A0125	DOE REVIEW	100	P211G	10JAN95A		
A0130	DOE COMMENTS INCORPORATED AND REVISED	30	P211G	17JAN95A 🕶 🔻 31JAN95		
A0135	TRANSMIT TO DOE	0	P211G	01FEB95₩01FEB95		
A0140	DOE TRANSMITS TO REGULATORS	0	P211G	14FEB95₩14FEB95		
A0145	REGULATOR REVIEW	0	P211G	15FEB95 - 31MAR95		
A0150	INCORPORATE REGULATOR COMMENTS AND REVISE	0	P211G	03APR95		
A0155	TRANSMIT FINAL PROPOSED PLAN TO DOE	0	P211G	18APR95 18APR95		
40160	DOE TRANS TO REG. FOR PUBLIC REV FY95-PM-022	0	P211G	DI3MAY95		
<b>\0165</b>	PUBLIC REVIEW	0	P211G	04MAY95		
10170	PUBLIC MEETING	0	P211G	# 31MAY95 <b></b> # 31MAY95  # 31MAY95		
A0175	SUPPORT FOR ROD ISSUE	0	P211G	◆ Page —		
JRVEILA	NCE - TASK 1P21140D0A			υ n		
10083	MOVE REGULATED EQUIPMENT	50	P211J			
10085	SURVEILANCE ACTIVITY - CONTINUOUS	30	P211J	16		
ROCESS	TRENCH CLOSURE - TASK 1P21140E0A	(317)				
ject Start ject Finish a Date t Date	Ject Finish 25FEB98 20JAN95 20					

### Changes from Redline

These are the significant redline changes:

- Hydrogeology Section revised to be consistent with 300-FF-5
- "Contained-in" wording added
- Removed rail transport, added trucks
- Removal of ERDF details
- NRDA added
- Appendix G revised

## Appendix G Revisions

Appendix G, revisions conclude no future unacceptable impacts to groundwater.

- Qualitative Evaluation of Parameters:
  - Hydraulic head
  - Net recharge
  - Current groundwater quality
  - Depth to groundwater
  - Characteristics of vadose zone

# Appendix G Revisions

- Contaminant characteristics
- Other constituents that could affect mobility
- Topography
- Total contaminant load
- Volumetric groundwater flow rate
- Uncertainty of data and assumptions

# Appendix G Revisions

Appendix G revisions conclude no future unacceptable impacts to groundwater.

- RESRAD Modeling Results:
  - Used DOH acceptable parameters
  - Substituted key 300-FF-5 parameters
  - No significant impacts from U for 800 years

## Changes from Internal Reviews

BHI performed consistency reviews resulting in the following significant changes:

- Modified RCRA barrier removed
- Appendix G revised
- Some alternatives changed
- Costs of alternatives including RCRA barrier reduced

### Revised Alternative Cost Estimates

INO action \$1,000		P1	No action \$1,	600
--------------------	--	----	----------------	-----

■ P2a Soil cover \$7,200

■ P2b Consolidation and soil cover \$4,600

■ P-3 Excavation and disposal \$18,600

■ P-4 Excavation, soil washing, and final disposal \$21,600

■ B-1 No action \$1,900

■ B-2 Institutional controls \$1,900

■ B-3 Consolidation and soil cover \$3,800

■ B-4 Excavation and disposal \$24,200

<sup>\*</sup> dollars in thousands

## Changes to Alternatives

Alternative changes resulting from Appendix G conclusions:

- Two alternatives were removed
- Institutional controls for process waste units is discussed

# Changes to Alternatives

Analyses of groundwater from Appendix G indicates no need for additional remediation to protect groundwater, however direct exposure must still be addressed.

- Removed alternatives are:
  - P-3b Excavation and disposal of all contaminants
  - B-4b Excavation and disposal of all contaminants

### Conclusions

The 300-FF-1 FS III has been reviewed, revised, and is ready for acceptance:

- The FS must be concluded to maintain the public review schedule
- DOE and regulator redline comments addressed (finalizing Appendix G)
- FF-1/FF-5 consistency review complete
- Technical editing complete on January 30, 1995

95,14349 145

### Recommendations

Recommend this briefing, coupled with limited review of select sections (if necessary), achieve document acceptance.

- Suggested sections for limited review:
  - Chapters 4, 6 and 7
  - Appendices G, H and K

15

### Recommended Schedule

This is the proposed schedule for the limited review.

- BHI issue sections for concurrent DOE/regulator review 1/31/95
- DOE/regulator review 1/31/95 to 2/6/95
- BHI revise document accordingly and issue 2/10/95

1/26/9

#### Distribution

#### Unit Manager's Meeting: 300-FF-1 Operable Unit February 16, 1995

Robert G. McLeod	
Chuck Cline	
Lynn Albin	EPA (B5-01)
Jim Pankanin	PRC
Glenn Van Sickle Rich Carlson R. Scott Hajner Andrea Hopkins Diana Sickle Alvina Goforth Kay Kimmel Tom Page (Please route to:) Cheryl Thornhill PNL (K1-19)	BHI (H6-01) BHI (H4-79) BHI (H4-79) BHI (H6-27) BHI (H6-27) BHI (H6-08) MAC (B1-42) PNL (K1-31) Steve Slate PNL (K1-19)
Mark Hanson PNL (K1-51)	Bill Stillwell PNL (K1-30) Ben Johnson PNL (K1-78)

Original Sent To: ADMINISTRATIVE RECORD: 300-FF-1 OU and 300 APT

Care of EDMC, WHC (H6-08)