

# START

**Meeting Minutes Transmittal/Approval**  
**Unit Manger's Meeting: Remedial Action Unit/Source Operable Units**  
**Trailer 3050A, Room 116, Richland, Washington**  
**September 20, 1995**

FROM/APPROVAL: Nancy Werdel Date 10/18/95  
Nancy Werdel, 100 Area Unit Manager, RL (H4-83)

APPROVAL: [Signature] Date 10/23/95  
Phil Staats, 100 Aggregate Area Unit Manager, WA Dept of Ecology (B5-18)

APPROVAL: [Signature] Date 10-18-95  
Dennis Faulk, 100 Aggregate Area Unit Manager, EPA (B5-01)

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

- Attachment #1 - Meeting Summary
- Attachment #2 - Attendance Record
- Attachment #3 - Agenda
- Attachment #4 - Status Package
- Attachment #5 - 100-BC Demonstration Project
- Attachment #6 - 200-PB-11 Work/Closure Plan
- Attachment #7 - 100 Area Remaining Sites. Focused Feasibility Study and Proposed Plan



Prepared by: Alan L. Krug Date: 10/19/95  
Alan Krug/Tamen Lundquist (H4-91)

Concurrence by: [Signature] Date: 10/19/95  
Greg Eidam, BHI Remedial Action Projects Manager (H4-91)

Meeting and Summary of Commitments and Agreements

Unit Manager's Meeting: Remedial Action Unit/Source Operable Units  
September 20, 1995

1. **Signing of the August 100 Area Unit Manager's Meeting Minutes:** The minutes were presented and signed by all three parties.
2. **Action Item Update:** No change.
3. **New Action Items:** None.
4. **Opening Remarks:**
  - **DOE Temporary Replacement:** Greg Eidam (ERC) introduced J. Murphy (DOE-RL) who will be acting for J. Erickson (DOE-RL) while she is on maternity leave.
  - **UMM Structure:** It was noted that the Unit Manager's Meeting structure was being revised because of the recent DOE/RL reorganization. Separate meetings would be held for the Source Operable Units and the Groundwater Units. P. Staats (Ecology) requested that the meetings be held at nonconflicting times on the same day. This would minimize the amount of time needed by the regulators to attend them.
  - **Point of Contact:** Tamen Lundquist (ERC) is to be the contact point for administrative matters relating to the UMM.
  - **Meeting Day:** A consensus was reached that UMM should continue to be held on the last Thursday of the month, preceding the Project Manager's Meeting.
  - **RODs Point of Contact:** N. Werdel (DOE/RL) was identified as the point of contact for the initial ROD which is being prepared for 100-B/C-1, 100-DR-1 and 100-HR-1. G. Goldberg (DOE/RL) is the point of contact for the remaining RODs.
5. **Status Package:** A. D. Krug (ERC) presented the status package (Attachment #4) for the Source Operable Units.
6. **100 B/C Reactor Area:**
  - **B/C Activities:** G. Van Sickle (ERC) discussed the status of the B/C activities. His presentation (Attachment #5) included a discussion of the costs for the 100-BC Demonstration Project, a schedule for the C1 activity, a summary of the C1 Cone Penetrometer Data, and an update on the status of the 116-B-4 and 116-B-5 Activity.

- C1 Cone Penetrometer: DOE/RL agreed to provide the Regulators a copy of the C1 Cone Penetrometer test results and a topographic map of the area. G. Van Sickle committed to provide the package to DOE/RL.
  - Structured Process Request: D. Faulk requested that a system be put in place which would insure Regulator signoff when a site, such as 116-B-4, is declared clean and prior to the site being backfilled and closed. For the 116-B-4 site, a formal copy of the data package and notice of intent may be sufficient. A more structured process should be developed for future use. G. Van Sickle committed to preparing the package for DOE/RL.
7. 100 Area Rod Strategy: P. Staats (Ecology) indicated that Ecology and EPA had one meeting on the proposed ROD strategy but have not reached a consensus. He did not know when they would be ready to discuss this with DOE/RL.
  8. 100-FR-2 Focus Package Status: K. Oates (EPA) was not available to discuss the status of the 100-FR-2 Focus Package. The package was submitted to EPA on June 30, 1995 for Public Review. D. Faulk (EPA) indicated that he did not think that this went out to Public Review, as planned. He said that ~~EPA is reconsidering its position on conducting public reviews of work plans. He expects their new policy will be to not hold public reviews of work plans.~~ *The Tri-Parties are OK*  
*updates to the Community Relation plan. OK*  
*this will be proposed as part of the*
  9. 200 Area Status: Joan Woolard discussed the 200 Area status and presented a draft schedule for the 200-BP-11 Operable Unit Work/Closure Plan. The schedule will be formally transmitted by letter to complete this action. It was noted that this schedule includes work which is not in the current baseline. Funding 200-BP-11 Operable Unit workscope now will likely impact other high priority workscope. When the 200-BP-11 Work Plan is approved and milestones established, a change request will be processed to add the new scope of work to the baseline.
  10. Low Priority Site FFS: R. Ovink (ERC) discussed (Attachment 7) the strategy being adopted by DOE/RL to address the Low Priority sites. It was noted that this is an interim action and may be revised when a formal ROD strategy is developed by the three parties.
  11. 300 Area Status: The 300 Area Status discussion was deferred until the October meeting.



## Remedial Action Unit Manager's Meeting

Wednesday, September 20, 1995

Trailer 3050A, Room 116

- 1:00 - 1:05    Opening Remarks - J. Murphy/G. Eidam
- 1:05 - 2:35    B/C Reactor Area - G. Van Sickle
- C1 Schedule
  - C1 Cone Penotrometer Data Results
  - B4 Status
- 2:35 - 2:45    100 Area ROD Strategy Status - K. Oates/P. Staats
- 2:45 - 2:55    FR-2 Status Focus Package - K. Oates
- 2:55 - 3:55    Low Priority Site FFS - G. Goldberg/J. James
- 3:55 - 4:05    200 Area Status - J. Woolard
- BP-11 Operable Unit Work Plan

*Note: 300 Area Status will be on next month's agenda*

STATUS PACKAGE

SEPTEMBER UNIT MANAGERS MEETING

SOURCE OPERABLE UNITS

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

200 AREAS

300 AREA

## 100 AREAS

## Focused Feasibility Studies and Proposed Plans

100-B/C-1/100-HR-1/100-DR-1 FFS/PP/ROD The FFS and PPs were submitted to the U.S. Department of Energy, Richland Operations office (RL) on June 16, 1995. The 45-day public comment period for the 100-B/C-1 PP began on June 26, 1995, and ended on August 9, 1995. A draft of the Interim Action Record of Decision (ROD) was received from the EPA September 1, 1995. It is anticipated that the ROD will be signed by September 29, 1995. The EPA has requested assistance in responding to comments received during the public comment period. The responses will be compiled in a responsiveness summary, which will accompany the ROD. This assistance with the responsiveness summary will continue into September.

100-B/C-2 FFS/PP/ROD The 100-B/C-2 FFS and PP were submitted to RL on June 30, 1995, thus meeting the Tri-Party Agreement (TPA) interim milestones M-15-16E and M-15-16F, respectively. Regulatory agency comments were due on August 15, 1995. Comments are not anticipated since discussions on the ROD strategy with RL and the regulators are ongoing. These discussions are anticipated to lead to a combined FFS, PP, and ROD. Activities on the 100-BC-2 FFS and PP have been postponed based on these discussions.

100-B/C Area Remaining Sites FFS/PP/ROD A baseline change proposal was submitted and approved by the change control board on July 20, 1995. This FFS will address all sites covered in the current 100-B/C-1 and 100 B/C-2 PP. The FFS will focus on the information available for each site using existing documentation to the extent practical to determine and evaluate uncertainties with respect to risk, design, and action. Before the project team kick-off, discussions with RL and the regulators will occur to define the scope and schedule of the task.

Currently, significant discussions are occurring on the ROD strategy, as discussed above. Initiation of this activity has been delayed slightly based on these discussions. It is anticipated that the task will begin with the regulators in mid-September.

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/HR-1 PPs. Only a few comments were received. Responses will be summarized in a responsiveness summary, which is in preparation.

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

100-IU-2 and 100-IU-6 For the 100-IU-2 Operable unit, which includes waste sites near the former White Bluffs townsite, a Baseline Change Package was approved to initiate work directed toward completion of a Technical Baseline Report.

For the 100-IU-6 Operable Unit, which includes waste sites near the former Hanford Townsite, a Baseline Change Package was submitted for approval to initiate work on a Focus Package (in lieu of a Work Plan). If approved in early September, the Baseline Change Package would provide a budget to start

work on the Focus Package 1 month ahead of the planned start date of October 1, 1995.

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.

100-KR-1 Regulator comments on the 100-KR-1 IRM PP were received on May 22, 1995. Comment responses were resolved with the regulators and the PP was revised and issued.

The 100-KR-1 FFS was updated to conform with the latest guidance used in preparing the 100-B/C-1/100-HR-1/100-DR-1 FFSs. Comment dispositions were resolved with the regulators and the FFS was issued.

100-KR-2 The 100-KR-2 FFS was submitted to the Regulators on July 31, 1995.

100-FR-1 The 100-FR-1 FFS and PP were submitted on May 31, 1995.

100-FR-2 The 100-FR-2 combined LFI/QRA/FFS was issued.

#### Treatability Studies

100 Areas Remediation Cost Analysis The Remove/Dispose versus Remove/Treat/Dispose economic analysis has progressed through initial review by project and functional management. The RL has been given an update on progress to establish a basis for comparison. Response to the initial comments has been prepared and will be submitted the first week of September. Presentation of tradeoff study results and approval of the final packet is scheduled for mid-September. Presentation to RL and the Regulators will follow.

Soil Washing Treatability Study Regulator and Washington State Department of Health comments have been received. A comment response packet has been prepared, and a meeting to address comments has been scheduled for Monday, September 11, 1995.

100-HR-3 Pump and Treat Study The 100-HR-3 Pump and Treat facility operated for 27 days in August. During this time, 3,633,600 liters (960,000 gallons) of groundwater were processed and 3.3 kilograms (7.3 pounds) of chrome VI were removed. A resin shortage shut the plant down for 4 days. An alternate source of resin was procured from the 200-UP-1 Pump-and-Treat. The 100-HR-3 Pump and Treat facility was restarted and is processing groundwater.

118-B-1 Burial Ground Excavation Treatability Study The treatability test report was reviewed by the regulators and approved without comment. Rev. 0 of the report was issued to RL on Thursday, August 31, 1995.

In Situ Phosphate Treatment Bench-Scale Study Two requests for proposal were issued and contracts were awarded during August. A contract for investigating the stability of various phosphate compounds, including North Carolina apatite, was awarded to Oregon State University on August 11. A contract was also awarded on August 21 to NESTT to determine hydrogeologic characteristics of a soil and phosphate mix. Work has begun on both contracts.

Redox Manipulation A minidithionite injection test is being conducted in the 100 H Area by Pacific Northwest Laboratories. The Environmental Restoration Contractor (ERC) is currently planning for FY 1996 activities.

## B/C Demonstration Project

100-B/C-1 ERA

Demonstration Project - During this reporting period the sonic cone penetrometer was used to delineate the extent of contamination at the 116-B-4 French Drain. Cone points were pushed at 4.6 m (15 feet) from the B-4 excavation. No contamination was encountered in the north, south, and east points. However, contamination was encountered in six points west of the excavation and to 7.6 m (25) feet from the B Reactor building. Based on this information, a specific scope was outlined to the remediation subcontractor of which a change order is presently being negotiated. Sonic cone work began at 116-C-1 on August 4, 1995. Twenty-five cone points were pushed and provided information needed to support excavation planning. Plans, specifications and project documentation were completed during August to support the remediation contract award for the C-1 Trench on August 14, mobilization on August 21, and start excavation on August 31. Plans are being prepared to change from soil bagging to bulk storage. Reviews of support documentation to implement this change is in process.

## B/C Area

100-B/C-1 Remedial Action Design Remedial action design activities continue on the three sites in 100-B/C-1 (116-B-13, 116-B-14, 116-C-1), two sites in 100-DR-1 (116-D-1A, 116-D-1B), and one site in 100-HR-1 (116-H-1). Conceptual Preliminary Design on these sites was completed in early August. Several presentations occurred within the ERC, as well as with RL and the regulators during August. Significant discussion is still needed to resolve the remedial action goals.

## D Area

100-DR-1 Remedial design activities continued during August in conjunction with the 100-BC and 100-HR Areas. The first two waste sites to be addressed in remedial design are the 116-D-1A and 116-D-1B Trenches.

## H Area

100-HR-1 Remedial design activities continued during April in conjunction with the 100-B/C and 100-DR Areas. The first 100-HR Area waste site to be addressed in remedial design is the 116-H-1 process effluent disposal trench.

100-HR-2 Rev. 2 of the 100-HR-2 LFI was submitted to the regulatory agencies on August 25, 1995.

## K Area

See Focused Feasibility Studies and Proposed Plans

## F Area

100-FR-1 Regulator comments on the 100-FR-1 LFI/QRA were received in early March. Comment dispositions were resolved and the LFI/QRA is being revised.

100-FR-2 The 100-FR-2 Focus Package was under public review.

## 200 AREAS

## 200-UP-2 Operable Unit

Limited Field Investigation Report The LFI was submitted in June for regulatory review. Comments were received from Ecology on August 8; EPA stated they will not be submitting any comments. The comment responses have been prepared and are being reviewed by ERC. The document is on schedule for finalization by the end of September.

Barrier Focused Feasibility Study The DOE and EPA have requested additional workscope on the barrier FFS to consider the standard RCRA barrier. This workscope is being reviewed to determine the level of effort and amount of existing information that could be used to lessen the scope. The other comments have been resolved. The schedule for the revised barrier document is unknown at this time and is dependent on resolution of the change in scope. Preparation of Rev. 0 is assumed to continue into FY 1996.

200-UP-2 Focused Feasibility Study For the 200-UP-2 FFS, the development of remedial action objectives continued. A discussion of potential land use in relation to the existing risk assessment was prepared. A list of ARARs was prepared for the operable unit. Additional research into technologies continued. Initial section preparation continued, including development of remedial action objectives and technology/alternative screening. Data evaluation diagrams were prepared showing contaminant concentrations, lithology, and RLS data with depth. Area and volume calculations were performed along with an evaluation of contaminants at depth. Additional RLS data was researched, especially for the TSD unit.

A meeting was held August 3 between DOE, the Regulators, and ERC to discuss RAOs and potential remedial alternatives to be addressed in the FFS. Mary Peterson of the Plumes Migration group provided a list of potential alternatives for consideration in the August 3 meeting.

A meeting between DOE, EPA, Ecology, and ERC was held on August 24 to continue discussions about RAOs. During evaluation of the LFI, the Aggregate Area Management Study Reports (AAMSR), and other information, it was determined that decisions on final actions could not be fully supported with existing information. This evaluation was presented at the meeting. The Regulators and DOE agreed that the actions for 200-UP-2 should be considered interim actions with a qualitative evaluation of protection of groundwater. In addition, the participants agreed that any interim actions must be compatible with potential final actions.

## 200-BP-11 Operable Unit

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 amongst the ERC, RL, and Ecology. The outstanding issue is the implementation schedule to be included in the work plan. There is currently no funding identified in the fiscal year budget planning to initiate the characterization activities. After finalizing the schedule, Rev. 0 will be prepared for public review and implemented as presented in the schedule.

## 216-B-3 Expansion Ponds Closure

The 216-B-3 Expansion Ponds are officially clean closed and this activity will no longer be reported.

## 300 AREA

### 300-FF-1 Operable Unit

Proposed Plans Discussions continued between DOE, EPA, and Ecology regarding the scope and cleanup criteria for the combined 300-FF-1/300-FF-5 Operable Unit Proposed Plan. The EPA provided the first draft of the combined document, which has been reviewed and revised.

Feasibility Studies Comments were received on the draft addendum to the 300-FF-1 Phase III Feasibility Study and 300 Area Process Trenches Closure Plan. The addendum documents agreements made between DOE, EPA, and Ecology during discussions on the 300-FF-1 Operable Unit Proposed Plan.

Appendix G revisions are being worked, but are not yet completed. A new Appendix G will be ready for review by September 22, 1995.

### 300-FF-2 Operable Unit

RI/FS Work Plans The 300-FF-2 LFI Work Plan redline draft is being reviewed by RL and the Regulators. A comment review meeting is scheduled for September 26, 1995. The redline includes responses to regulator comments on Draft A and incorporates the results of the completed DQO process.

Field Investigations The 300-FF-2 characterization activities, based on the DQO process, are continuing. A groundwater monitoring well was installed adjacent to the 618-11 Burial Ground. Groundwater monitoring, at selected wells associated with the 618-10 and 618-11 Burial Grounds, is scheduled to be completed by September 30, 1995. Downposting surveys are continuing at the Aluminum Shavings site north of the 300 Area railroad tracks. The majority of the material collected is nonradioactive metallic debris. The surveys are expected to continue through the week of September 25, 1995.

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## 100-BC Demonstration Project

## Total Forecast Cost Projections

FY95 &amp; FY96

09/20/95

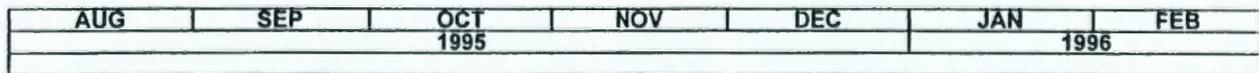
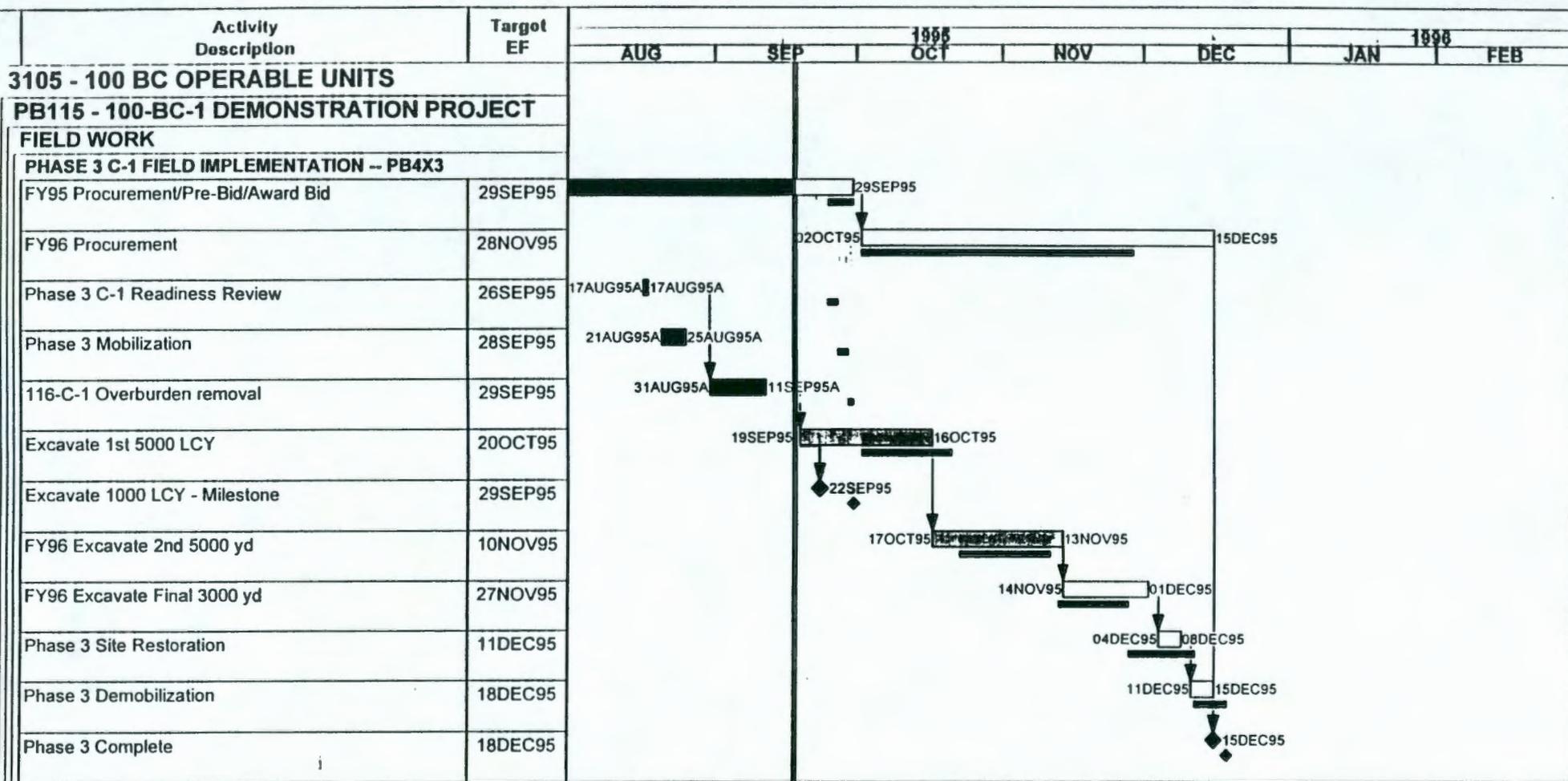
Description	116-B-5 400 LCY Overburden 0 LCY Contaminated 400 LCY Excavated		116-B-4 0 LCY Overburden 900 LCY Contaminated 900 LCY Excavated		116-C-1 8000 LCY Overburden 13000 LCY Contaminated 21000 LCY Excavated		Total BC Demo Project 8400 LCY Overburden 13900 LCY Contaminated 22300 LCY Excavated	
	Cost (x\$1000)	Unit Rate (\$/LCY)	Cost (x\$1000)	Unit Rate (\$/LCY)	Cost (x\$1000)	Unit Rate (\$/LCY)	Cost (x\$1000)	Unit Rate (\$/LCY)
<b>Planning</b>	\$168	\$419.92	\$181	\$201.19	\$308	\$14.68	\$657	\$29.48
Management *	\$42	\$104	\$62	\$69	\$122	\$6	\$225	\$10
Plans/Procedures *	\$100	\$250	\$100	\$111	\$100	\$5	\$300	\$13
Engineering	\$26	\$66	\$19	\$22	\$87	\$4	\$132	\$6
<b>Characterization</b>	\$195	\$487.50	\$205	\$227.78	\$110	\$5.24	\$510	\$22.87
Contractor	\$160	\$400	\$165	\$183	\$65	\$3	\$390	\$17
CPT Logging (WHC)					\$25	\$1	\$25	\$1
Labor (ERC)	\$35	\$88	\$40	\$44	\$20	\$1	\$95	\$4
<b>Analytical</b>	\$110	\$275.00	\$172	\$191.11	\$281	\$13.38	\$563	\$25.25
Chemical Analysis (WHC)	\$60	\$150	\$60	\$67	\$75	\$4	\$195	\$9
Gamma Surveys (WHC)	\$40	\$100	\$58	\$64	\$76	\$4	\$174	\$8
Labor (ERC)	\$10	\$25	\$54	\$60	\$130	\$6	\$194	\$9
<b>Excavation</b>	\$130	\$325.00	\$466	\$517.78	\$1,170	\$55.71	\$1,766	\$79.19
Subcontractor	\$30	\$75	\$230	\$256	\$700	\$33	\$960	\$43
Materials	\$5	\$13	\$10	\$11	\$47	\$2	\$62	\$3
Misc Contract Support (WHC)	\$20	\$50	\$24	\$27	\$28	\$1	\$72	\$3
Labor (ERC)	\$75	\$188	\$202	\$224	\$395	\$19	\$672	\$30
<b>Backfill &amp; Restoration</b>	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00
Subcontractor (Incl'd in Excav)							\$0	
Materials (Incl'd in Excav)							\$0	
<b>Final Report</b>	\$35	\$87.50	\$35	\$38.89	\$35	\$1.67	\$105	\$4.71
Labor (ERC)*	\$35	\$88	\$35	\$39	\$35	\$2	\$105	\$5
<b>Total</b>	<b>\$638</b>	<b>\$1,594.92</b>	<b>\$1,059</b>	<b>\$1,176.74</b>	<b>\$1,904</b>	<b>\$90.68</b>	<b>\$3,601</b>	<b>\$161.50</b>

NOTE: The Planning Categories, Management and Plans/Procedures and the Final Report work will be performed for all three sites and was equally distributed to each site

## Sonic Cone Penetrometer Results

- **Initiated sonic cone work at 116-C-1 Trench first week in August and completed in four days. Completed a total of 25 locations.**
- **Results confirmed contamination within trench down to 30 feet in depth (in some places 40 feet deep.)**
- **Lateral extent of contamination encountered outside northwest boundary of trench.**
- **Based on cone penetrometer data, yardage estimate ranged from 43,000 to 48,000 cubic yards depending on isometric used. This estimate will be updated as excavation continues.**

9613448.0097



Project Start	06MAR95	[Dashed Bar]	Early Bar
Project Finish	12FEB96	[Thick Bar]	Target 2 Bar
Date Date	18SEP95	[Thin Bar]	Progress Bar
Plot Date	19SEP95	[Dotted Bar]	Critical Activity

BCTT

**100-BC DEMONSTRATION PROJECT**  
**116-C-1 Excavation Schedule**

Sheet 1 of 1

DAN RIDER 372-9619			
Date	Revision	Checked	Approved

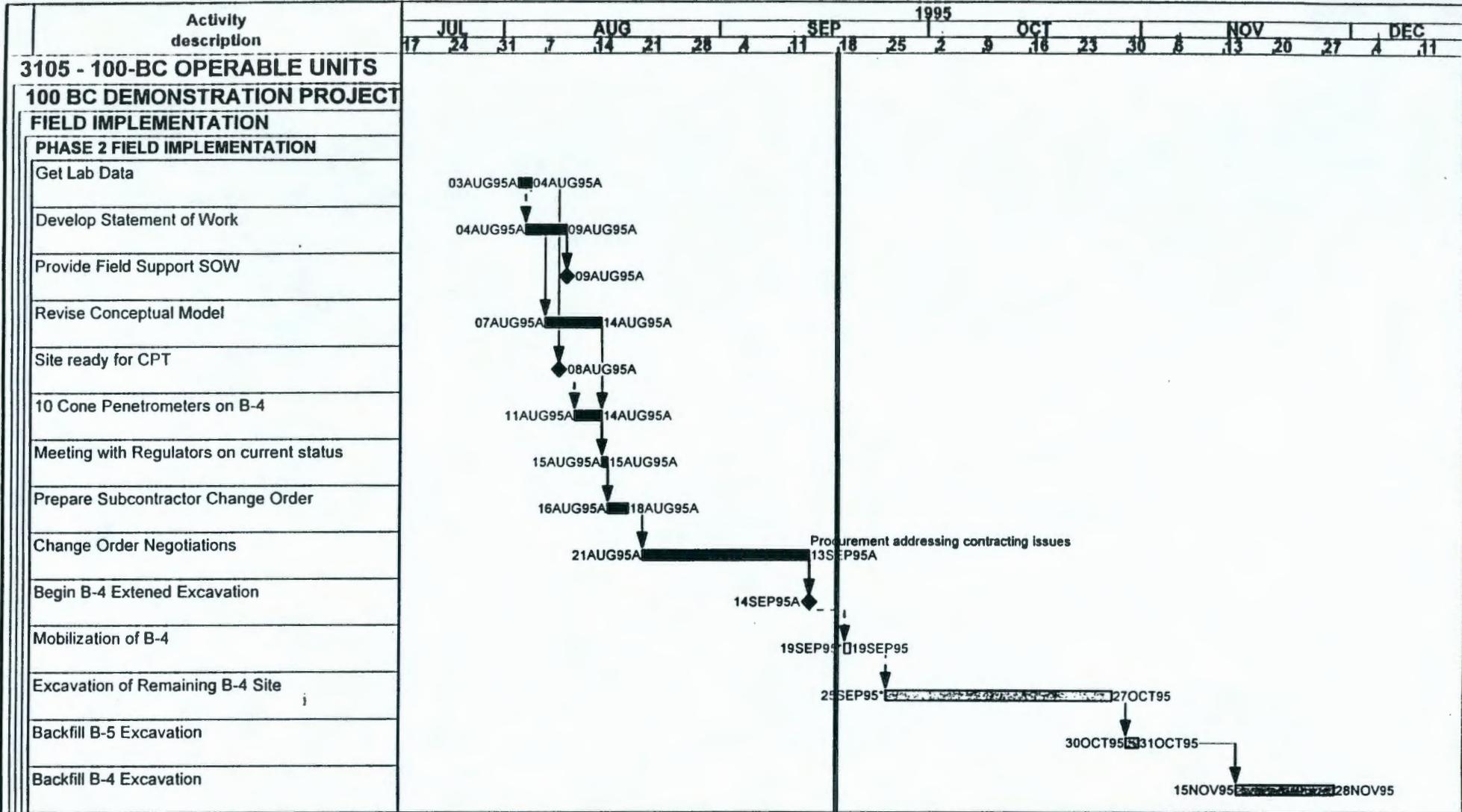
## **116-B-4 Status**

- **Change order awarded to Lewis Construction on September 13, 1995.**
- **Mobilization initiated on September 19, 1995.**
- **Excavation to begin on September 25, 1995.**

## **116-B-5 Status**

- **Preliminary evaluation confirms sampling consistent with field analytical.**
- **Data validation to be completed by October 10, 1995.**
- **Backfill at 116-B-5 site can be initiated.**

9613448.0099



Project Start	02AUG95	Early Bar
Project Finish	28NOV95	Progress Bar
Data Date	18SEP95	Critical Activity
Plot Date	19SEP95	

B4SD

**100-BC DEMONSTRATION PROJECT**  
**116-B-4 Excavation Schedule**

Sheet 1 of 1

Dan Rider 372-9619

Date	Revision	Checked	Approved

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100 AREA REMAINING SITES  
FOCUSED FEASIBILITY STUDY  
AND PROPOSED PLAN

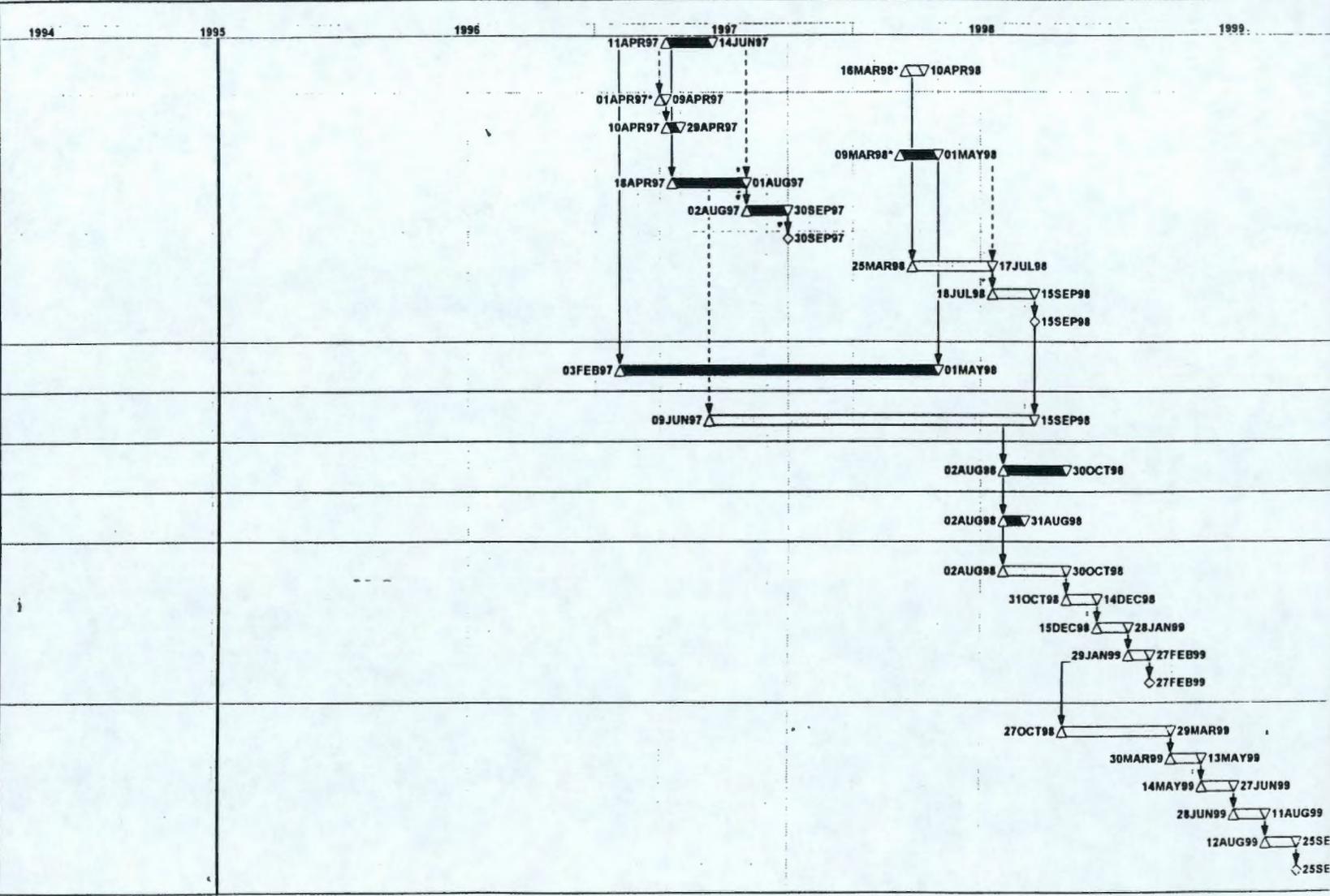
September 20, 1995  
100 Area Unit Managers Meeting

# 100 AREA REMAINING SITES FFS/PP

## I. Introduction

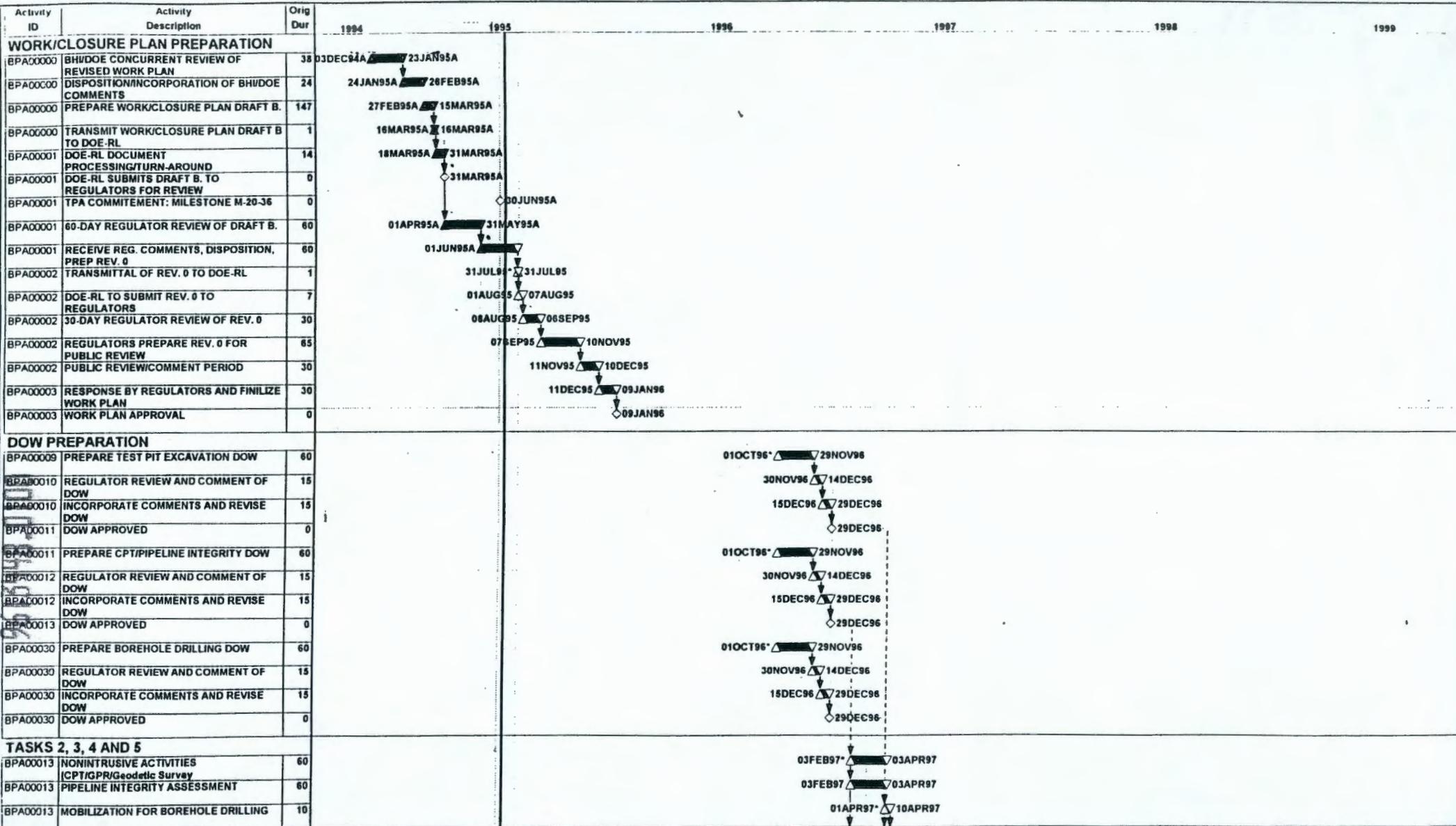
- BC/100 Area Remaining Sites FFS/PP will be a combined document (in H Area FY96 ADS 3120)
- FFS/PP to address all 100 Area Remaining Sites (exclusive of 100-BC-1, 100-DR-1, 100-HR-1, IU-2 and IU-6 FFS/PPs)
- Will start process with BC, get agreement on approach, then bring in all 100 Area Remaining Sites
- Approach will be revised by change request per future developments in 100 Area strategy

Activity ID	Activity Description	Orig Dur
BPA00013	FY97 BOREHOLE (5) DRILLINGS/SAMPLING	65
BPA00013	FY98 BOREHOLE (3) DRILLINGS/SAMPLING	20
BPA00013	MOBILIZATION FOR TEST PIT EXCAVATION	7
BPA00014	FY97 TEST PIT EXCAVATIONS/SAMPLING (5)	20
BPA00014	FY98 TEST PIT (10) EXCAVATIONS/SAMPLING	40
BPA00015	LABORATORY ANALYSIS	106
BPA00016	DATA VALIDATION	60
BPA00016	SUBMIT VALIDATED DATA TO REGULATORS	0
BPA00016	LABORATORY ANALYSIS	115
BPA00016	DATA VALIDATION	60
BPA00016	SUBMIT VALIDATED DATA TO REGULATORS	0
<b>TASK 6</b>		
BPA00017	AIR SAMPLING	453
<b>TASK 7</b>		
BPA00017	DATA EVALUATION	464
<b>TASK 8</b>		
BPA00018	RISK-BASED CLEAN-UP STANDARD EVALUATION	90
<b>TASK 9</b>		
BPA00018	CORRECTIVE MEASURE REQUIREMENTS EVAL.	30
<b>TASK 10 - FACILITY INVESTIGATION RPT. (V)</b>		
BPA00019	PREPARE FACILITY INVESTIGATION REPORT	90
BPA00019	ERC REVIEW AND COMMENT	45
BPA00020	45-DAY DOE-RL REVIEW AND COMMENT DISPOSITION	45
BPA00020	INCORPORATION OF DOE-RL COMMENTS/DOC. REV.	30
BPA00021	FACILITY INVESTIGATION REPORT TO REGULATORS	0
<b>CORRECTIVE MSRS. STUDY RPT. &amp; PROP. P</b>		
BPA00021	PERFORM CORRECTIVE MEASURES STUDY (CMS)	154
BPA00022	PREP CMS RPT./CORRECTIVE MEASURES PROPOSED PLAN	45
BPA00022	ERC REVIEW, DISPOSITION AND COMMENT INCORP.	45
BPA00023	45-DAY DOE-RL REVIEW AND COMMENT DISPOSITION	45
BPA00023	INCORPORATION OF DOE-RL COMMENTS/DOCUMENT REV.	45
BPA00024	CMS REPORT & PROPOSED PLAN TO THE REGULATORS	0



**DRAFT**

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Project Start	01DEC94	Early Bar
Project Finish	25SEP96	Progress Bar
Start Date	11JUL96	Critical Activity
Plot Date	25SEP96	

BECHTEL HANFORD, INC.  
 200-BP-11 WORK/CLOSURE PLAN  
 POST WORK PLAN APPROVAL WORK SCOPE

**DRAFT**

II. Goals of the FFS/PP approach for the remaining sites:

- Streamline the production of the FFS/PP
- Produce only the documentation necessary to make remedial action decisions
- Minimize the effort associated with the evaluation process

### III. Streamlined Project Scope

- Apply "lessons learned" to limit evaluations of:
  - land use (support a goal to not preclude any future uses)
  - risk exposure scenarios (frequent use/residential)
  - remedial action alternatives (no action, remove/dispose, remove/treat/dispose)
  - volumes/costs (use existing waste site group data)
  - regulatory issues (RCRA/CERCLA/NEPA; use text from approved documents)

### III. Streamlined Project Scope (Continued)

- Group remaining waste sites against existing waste site grouping criteria

- Liquid Waste Sites

- Liquid Transfer

- Retention Basins

- Outfall Structures

- Pipelines

- Liquid Disposal

- Trenches

- Cribs/French Drains

- Septic Systems

- Solid Waste Sites

- Burial Grounds

- Special Burial Grounds

- Decontamination & Decommissioning

### III. Streamlined Project Scope (Continued)

- Establish conceptual models appropriate to the remaining sites and their relationship to IRM candidate sites
  - Summarize paths that hazardous substances may take to reach potential receptors
  - Proximity of IRM candidate sites

## IV. Schedule -

- BC Schedule
  - Scope review & revisions: 9/20/95 - 9/30/95
  - BC Site visits: 10/3/95 - 10/13/95
  - BC DQO Process: 10/20/95 - 11/2/95
  - BC Site disposition workshop: 11/28/95 - 12/8/95
  - BC FFS workshop: 1/15/96 - 1/19/96
  
- Remaining Sites Schedule
  - Site visits: 11/7/95 - 11/30/95
  - DQO Process: 1/12/96 - 1/19/96
  - Submit FFS to RL: 4/15/96
  - Submit FFS to Regulators: 6/28/96

**Distribution**  
**Unit Manager's Meeting: Remedial Action Unit/Source Operable Units**  
**September 20, 1995**

Nancy Werdel .....	DOE-RL, RSD (H4-83)
Mike Thompson .....	DOE-RL, RSD (H4-83)
Glenn Goldberg .....	DOE-RL, RDS (H4-83)
John Murphy .....	DOE-RL, RDS (H4-83)
Julie Erickson .....	DOE-RL, RSD (H4-83)
Nicole Kimball .....	DOE-RL, RSD (H4-83)
Steve Balone .....	DOE-HQ (EM-442)
Dennis Faulk .....	100 Aggregate Area Manager, EPA (B5-01)
Jim Pankanin, PRC .....	Support to EPA
Phil Staats .....	100 Aggregate Area Manager, WDOE (B5-18)
Chuck Cline .....	WDOE (Lacey)
Lynn Albin .....	Washington Dept. of Health
G. R. Eidam, BHI .....	(H4-91)
A. D. Krug, BHI .....	(H4-91)
T. L. Lundquist .....	(H4-91)
J. R. James .....	(H4-84)
G. E. Van Sickle .....	(H4-91)
J. G. Woolard .....	(H4-89)
C. R. Johnson .....	(H6-04)
Kay Kimmel .....	MAC (B1-42)
R. Scott Hajner .....	BHI (H4-79)
Andrea Hopkins .....	BHI (H6-07)
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)

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