

**TPA Milestone Review
Meeting Minutes
Inter Agency Management Integration Team (IAMIT)
EPA Conference Room, 712 Swift Blvd., Richland
November 15, 1995**

Appvl.: *Linda K. McClain* Date: 12/20/95
Linda K. McClain, RL (H4-83)
IAMIT Representative

Appvl.: *Douglas R. Sherwood* Date: 12/20/95
Douglas R. Sherwood, EPA (B5-01)
IAMIT Representative

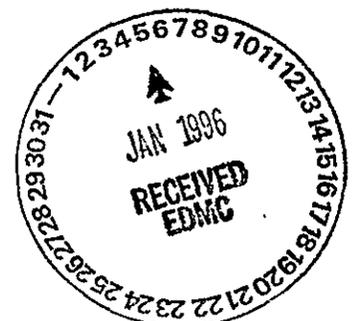
Appvl.: *Michael A. Wilson* Date: 12/12/95
Michael A. Wilson, Ecology (B5-18)
IAMIT Representative

Prepared by *Frank T. Calapristi* Date: 12/20/95
Appvl.: Frank T. Calapristi
Westinghouse Hanford Company

ATTENDEES

Almquist, R. A.	RL	N2-51	Loika, E. F.	WHC	N2-51
Arnold, L. D.	WHC	B2-35	McClain, L. K.	RL	H4-83*
Barnard, M. A.	RL	L4-40	McBride, D. J.	WHC	T5-54
Bowers, E. M.	RL	S7-55	Mecca, J. E.	RL	R3-79
Calapristi, F. T.	WHC	B2-35*	Miera, F. R.	RL	A5-15*
Diliberto, A. J.	WHC	H6-10	Sherwood, D. R.	EPA	B5-01*
Farabee, A. L.	RL	N2-51	M. H. Schlender	PNL	P7-79
Foley, B. L.	RL	H4-83	Templeton	RL	R3-79
Fulton, J. T.	PNL	K9-26	Vargas, M. C.	RL	K8-50
Gonzales, R. X.	RL	R3-79	Wallace, J. J.	Ecology	B5-18
Hansen, C.	RL	S7-41*	Wilson, M. A.	Ecology	B5-18*
Holten, R.	RL	H4-83	Wintczak	BHI	H4-84*
Hughes, M. C.	BHI	H4-84*	Zeisloft, J. H.	RL	H4-83
Jackson, D. E.	RL	A5-15*	EPIC		H6-08*
Jasen, W. G.	WHC	S6-17			

* W/Attachments



**TPA Milestone Review
Meeting Minutes
Inter Agency Management Integration Team
EPA Conference Room, 712 Swift Blvd., Richland
November 15, 1995**

Chairperson: L. McClain

1. Liquid Effluents (M-17-00 and M-26-05)

The Program Managers Assessment of contractor performance was reviewed by E.M. Bowers (RL) who reported ratings of Satisfactory to Outstanding for the five categories of assessment (Attachment 1).

All interim milestones were reported as complete except for M-17-14 and M-17-29 which will be completed in approximately 2 weeks.

RL, EPA and Ecology agreed to discontinue milestone reviews of the M-17-00 since the facility will be operational in about 2 weeks. However, it was agreed some minor modifications to the regulatory process may be necessary after start-up.

2. Environmental Restoration (M-13, 15, 16 and 70)

Rich Holten opened the discussion with a presentation of the Milestone Summary Report (Attachments 2A, 2B) and invited EPA and Ecology to attend a detailed Year-End Review scheduled for December 11 and 12, 1995.

RL reported there is a \$25M target reduction of ER funding. If this target becomes final, discussions will be required to assess the impact to the program. EPA responded this is not the result of Congressional action but is the result of a DOE-HQ decision. Consequently, EPA will be reluctant to re-negotiate any ER Schedules.

Other topics reviewed included:

- Milestone Performance - All milestones were completed on time. It was agreed by the three parties the 200-BP-11 milestone (M-20-36) was completed; however, there is a Dispute Resolution in process concerning the implementation schedule.
- Accomplishments in the 100, 200, 300 and 1100 Areas - The 1100 Area was reported as essentially complete except for the final report. It was noted an afternoon discussion was planned for the 200-ZP-1. Accomplishments were also review for the ERDF, N-Area, D&D Projects and RARA.

- Issues
 - * 300-FF-1 (Reported as resolved)
 - * 100 ROD Strategy
 - * 200-BP-11 (Separate discussion will follow)
 - * TPA Milestones at Risk
 - * D&D of the Process Canyons - Several actions were identified to initiate this activity.
 - The D&D approach needs to be defined
 - Evaluate Alternatives with EPA and Ecology
 - Meetings will be scheduled with EPA and Ecology

A handout of the "Baseline Update Schedule" was provided by BHI as a "Heads Up" to the regulators (Attachment 2C).

Dispute Resolution: 200-BP-11 Operable Unit (OU).

RL opened the discussion by reviewing the background and described the issue where EPA and Ecology do not agree with RL's implementation schedule for the 200-BP-11 OU. RL added the parties need to determine if 200-BP-11 should proceed in FY 1996 as proposed by the regulators.

Ecology emphasized the need for the parties to agree on a 200 Area Long Range Plan before deciding on any specific area. RL agreed with the regulators position and it was agreed to extend the 21 day time period to December 31, 1995 for resolution of the dispute.

In addition, it was decided to take the following actions:

- Schedule a workshop between the three parties to review the Long Range Plan and its assumptions in detail. The agenda will include the following topics.
 - Waste Volume Projections
 - Analytical Strategy
 - Assumptions used in the priorities
 - Cease and desist on the assessments
 - Burial grounds
 - 100 Area RD/RA (Discussions to start prior to the workshop)
- Tentative date for the workshop is the week of December 11, 1995.
- A meeting will be scheduled prior to December 1, to discuss Waste Volume Projections.

3. Facility Transition (M-80, 81, 83 and 89)

- Rick Gonzales (RL) opened the discussion (Attachment 3) by reviewing the M-80-00 accomplishments in Hazard Reduction. It was noted there were 577 bagouts from the N-cell gloveboxes, which places the activity ahead of schedule. Acid shipments to BNFL were reported as complete.

The Program Managers Assessment of contractor performance was reviewed with "Good" ratings in all categories of performance. Also noted was the removal of all fuel from Purex.

- Al Farabee (RL) discussed the M-81-00 (FFTF) status (Attachment 4) and reported Outstanding Contractor performance in all categories. RL also reported one outstanding issue. The U.S. District Court for Idaho issued the Idaho Consent Order (October 17, 1995) which prevents the shipment of FFTF Spent Fuel to Idaho until after December 31, 2000 without special agreement from Idaho. This will have serious Cost and Schedule impacts if Sodium cannot be transferred to Idaho in the summer of 1997 as currently planned. RL is working the issue with its counterparts in Idaho and Chicago.
- M-83-00 (Purex) was the next topic (Attachment 5) discussed by Dave Templeman (RL). In the Project Managers Assessment of Contractor performance the ratings ranged from Satisfactory to Excellent. One issue was identified, which is the Radiological Work Curtailment resulting from four individuals being contaminated. A review team is evaluating the cause and a decision will be made whether to lift the curtailment after Thanksgiving.
- The next topic was the M-89-00 (Attachment 6) status ; presented by Mike Schlender (PNL). The Project Managers Assessment of Contractor performance ranged from Marginal to Good in the five categories. In the subsequent discussion, a problem was identified with the M-89-01 milestone. In a letter sent to Ecology (Moses Jaraysi), PNL requested approval to remove liquids from the Bldg. 324 HLV tank. The request was to allow for liquid processing prior to the finalization of the unit closure plan in order to meet the M-89-01 milestone date of 10/31/06. At the meeting, Ecology explained that there was need for clarification of secondary waste management issues related to the HLV liquids processing. PNL reported that preparations were complete to implement the HLV removal but agency approval was required prior to expending resources for equipment procurement and waste transfers to process.

The next IAMIT meeting is scheduled for Wednesday, December 20 in the EPA Conference room.

AGENDA

TRI-PARTY AGREEMENT MAJOR MILESTONE MANAGEMENT REVIEW

WEDNESDAY, NOVEMBER 15, 1995

EPA CONFERENCE ROOM
712 SWIFT BLVD., RICHLAND

<u>TIME</u>	<u>MILESTONE</u>	<u>TITLE</u>	<u>RL DIVISION DIRECTOR</u>	<u>CONTRACTOR MANAGER</u>	<u>PRESENTER</u>
8:30 am	M-13-00	Six (6) RI/FS Work Plans/Year	R. D. Freeberg	T. M. Wintczak	R. D. Freeberg
	M-15-00	RI/FS Process Completion	R. D. Freeberg	T. M. Wintczak	R. D. Freeberg
	M-16-00	Complete Remedial Actions	R. D. Freeberg	T. M. Wintczak	R. D. Freeberg
	M-70-00	ERDF Operation	R. D. Freeberg	T. M. Wintczak	R. D. Freeberg
10:30 am		BREAK			
10:45 am	M-17-00	Treatment Facilities/ Upgrades	T. K. Teynor	A. J. Diliberto	E. M. Bowers
	M-26-03	Cease 242-A discharges to LERF	T. K. Teynor	A. J. Diliberto	E. M. Bowers
	M-26-04	Remove Residues / 242-A LERF	T. K. Teynor	A. J. Diliberto	E. M. Bowers
	M-26-05	Report/Tritium Treatment Tech.	T. K. Teynor	A. J. Diliberto	E. M. Bowers
11:30 am		LUNCH			
12:45 pm	M-80-00	Purex/UO3 Facility Transition	J. E. Mecca	D. G. Hamrick	R. X. Gonzalez
	M-81-00	FFTF Facility Transition	J. E. Mecca	E. F. Loika	R. A. Almquist
	M-83-00	Complete Stabilization of PFP	J. E. Mecca	E. C. Vogt	D. W. Templeton
1:30 pm	M-89-00	324 Bldg. Closure of MW Units	J. W. Wiley	M. H. Schlender	M. A. Barnard
1:45 pm		BREAK FOR 2:00 pm IAMIT MEETING			

ATTENDEES

TPA MILESTONE REVIEW

NOVEMBER 15, 1995

EPA CONFERENCE ROOM
MEDICAL DENTAL CENTER

<u>NAME</u>	<u>ORGANIZATION</u>	<u>MAILSTOP</u>	<u>(✓) FOR ATTACHMENTS</u>
<u>F.T. CALAPRISTI</u>	<u>WHC/TPAI</u>	<u>B2-35</u>	<u>✓</u>
<u>D.E. JACKSON</u>	<u>DOE-RL/EAP</u>	<u>A5-15</u>	<u>✓</u>
<u>F.R. Miera</u>	<u>DOE-RL/EAP</u>	<u>A5-15</u>	<u>✓</u>
<u>Doug Sherwood</u>	<u>EPA</u>	<u>B5-01</u>	<u>✓</u>
<u>Mike C. Hughes</u>	<u>BHI</u>	<u>H4-84</u>	<u>✓</u>
<u>Tom Wintczak</u>	<u>BHI</u>	<u>H4-84</u>	<u>✓</u>
<u>Mike Wilko</u>	<u>ECOLOGY</u>		<u>-</u>
<u>A.J. DiLiberto</u>	<u>WHC/LEP</u>	<u>H6-10</u>	
<u>CA Hansen</u>	<u>RL-AMW</u>	<u>S7-41</u>	<u>✓</u>
<u>Edw. Bowers</u>	<u>DOE-RL/LEPD</u>	<u>S7-55</u>	
<u>Rich Holten</u>	<u>DOE-RL/AMLE-RPD</u>	<u>H4-83</u>	
<u>Linda K McClain</u>	<u>DOE-RL/AME</u>	<u>H4-83</u>	<u>✓</u>
<u>Bryan J. Tully</u>	<u>DOE-RL/RAP-AME</u>	<u>H4-83</u>	
<u>James Zerslot</u>	<u>DOE-RL/EAP-ER</u>	<u>H4-83</u>	

ATTENDEES

TPA MILESTONE REVIEW

NOVEMBER 15, 1995

EPA CONFERENCE ROOM
MEDICAL DENTAL CENTER

<u>NAME</u>	<u>ORGANIZATION</u>	<u>MAILSTOP</u>	<u>(✓) FOR ATTACHMENTS</u>
<u>WG. JASEN</u>	<u>WHC / PUREX</u>	<u>56-17</u>	<u>_____</u>
<u>L. ANGLAD</u>	<u>WHC / TPAI</u>	<u>B2-35</u>	<u>_____</u>
<u>RX GONZALEZ</u>	<u>RL / TPD</u>	<u>R3-79</u>	<u>_____</u>
<u>Doug Sherwood</u>	<u>EPA</u>	<u>B5-01</u>	<u>_____</u>
<u>AL Farabee</u>	<u>DOE</u>	<u>N2-51</u>	<u>_____</u>
<u>DJ McBride</u>	<u>WHC / PFP</u>	<u>T5-54</u>	<u>_____</u>
<u>E.F. Loika</u>	<u>WHC / FFTF</u>	<u>N2-51</u>	<u>_____</u>
<u>Felix Miera</u>	<u>RL / EAT</u>	<u>A5-15</u>	<u>_____ ✓</u>
<u>Dave Templeton</u>	<u>DOE-RL</u>	<u>R3-79</u>	<u>_____</u>
<u>R. A. Almqvist</u>	<u>DOE-RL</u>	<u>N2-51</u>	<u>_____</u>
<u>H.E. Mecca</u>	<u>DOE / TPD RL</u>	<u>R3-79</u>	<u>_____</u>
<u>J.J. Wallace</u>	<u>Ecology</u>	<u>B5-18</u>	<u>_____</u>
<u>MA Barnard</u>	<u>DOE / LMD</u>	<u>L4-40</u>	<u>_____</u>
<u>MC VARGAS</u>	<u>DOE / LMD</u>	<u>_____</u>	<u>_____</u>

**Westinghouse Hanford Company
SITE MANAGEMENT SYSTEM**

PROGRAM

LIQUID WASTE

1.2.2

PROGRAM MANAGERS

A.J. DILIBERTO, WHC
Phone: 372-3323

J.R. KELLY, WHC
Phone: 373-9276

E.M. BOWERS, RL
Phone: 373-9276

G.R. MEZGER, RL
Phone: 376-5039

SEPTEMBER 1995

SITE MANAGEMENT SYSTEM	WESTINGHOUSE HANFORD COMPANY 1.2.2 LIQUID WASTE	SEPTEMBER 1995
-----------------------------------	--	-----------------------

PROGRAM MANAGER'S ASSESSMENT

WBS	PROGRAM ELEMENT	ES&H Compliance	Customer	Technical	Schedule	Cost	Comments
1.2.2	LIQUID WASTE						<i>LWC and OSHA recordable rate significantly below WHC average. 10% Productivity Commitment being met.</i>
1.2.2.1	LIQUID EFFLUENT PROGRAM						<i>LWC and OSHA recordable rate significantly below WHC average. Productivity Commitment being met.</i>
1.2.2.2	HEC PROJECT						<i>The HEC Project is under budget; Project completion 9/95 will be impacted by subproject C-018H RL-directed additional testing.</i>

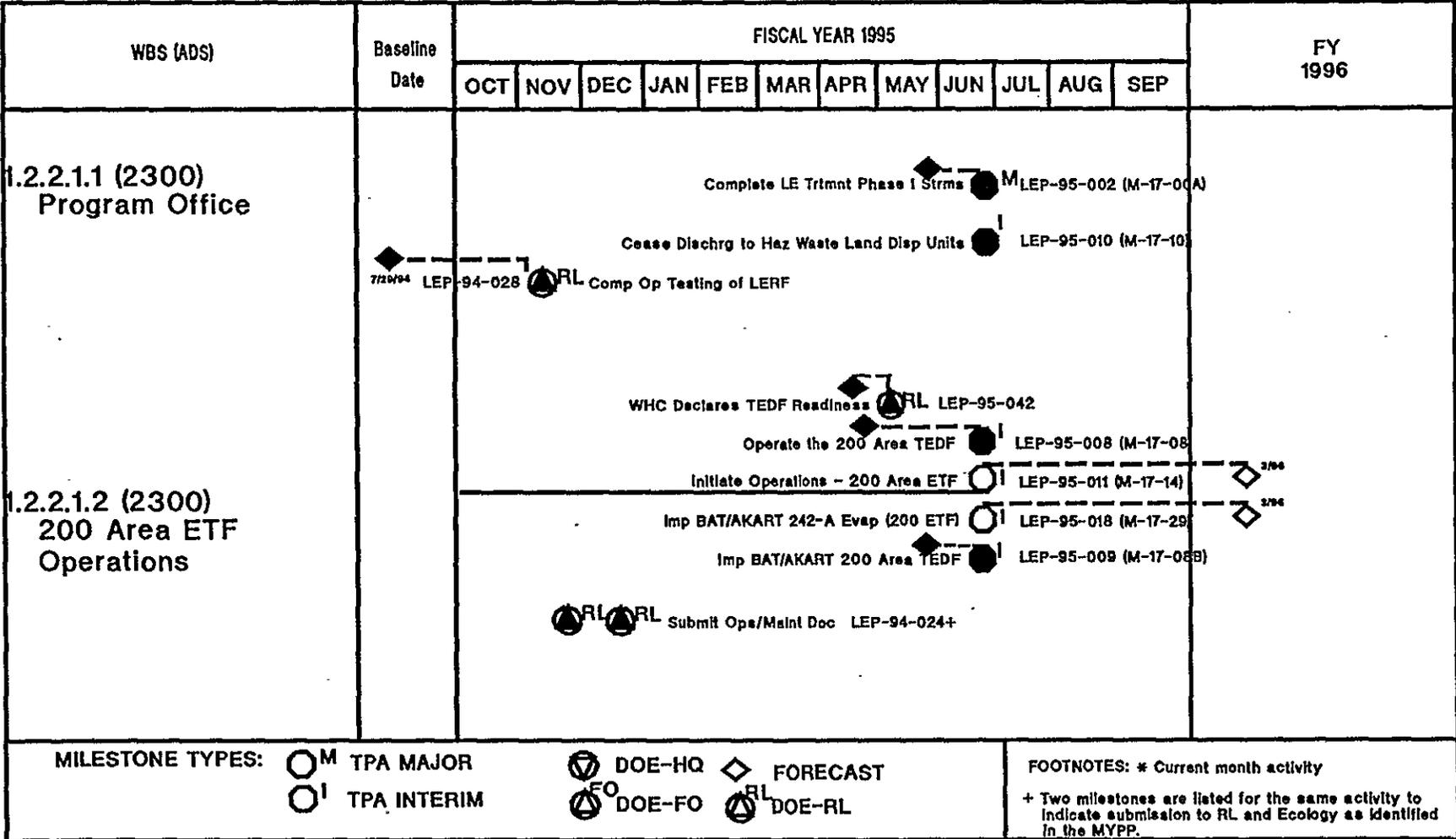
RATING GRADIENT SYMBOLS		INDICATORS	
	Outstanding	+	Improved from last month
	Good	--	Worsened from last month
	Satisfactory	↑	Improved future outlook
	Marginal	↓	Worsened future outlook
	Unsatisfactory		

The information contained within this report is complete and accurate to the best of my knowledge.

A. J. DILIBERTO

WHC Program Manager

MILESTONE SCHEDULE



SITE MANAGEMENT SYSTEM	WESTINGHOUSE HANFORD COMPANY 1.2.2 LIQUID WASTE	SEPTEMBER 1995
---------------------------	--	----------------

MILESTONE SCHEDULE

WBS (ADS)	Baseline Date	FISCAL YEAR 1995												FY 1996		
		OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP			
1.2.2.1.3 (2300) 300 Area TEDF Operations																
1.2.2.1.4 (2300) Liquid Effluent Advanced Engineering																
1.2.2.1.5 (2300-1) Phase II Effluent Treatment/Disposal																

MILESTONE TYPES:

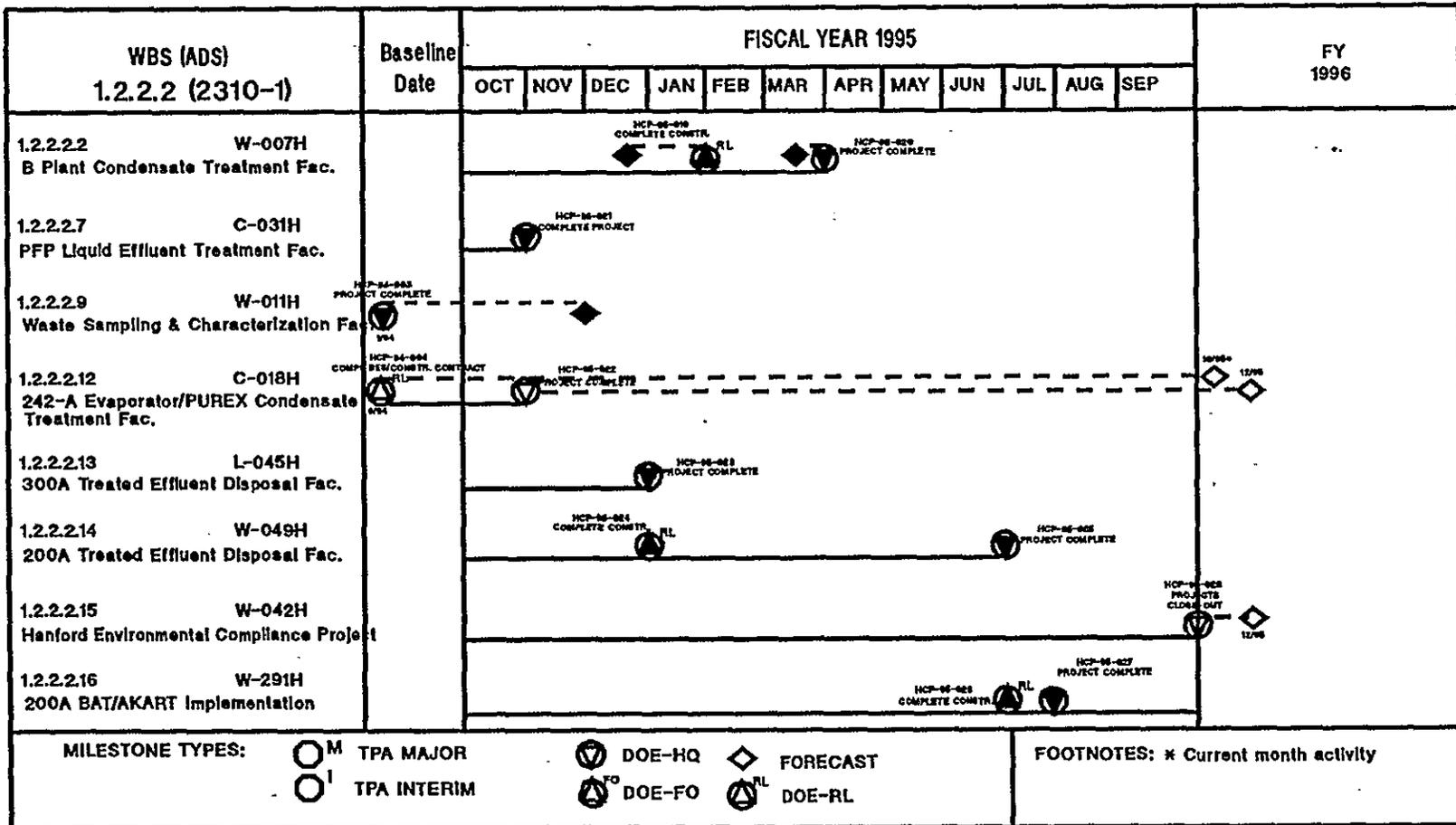
○^M TPA MAJOR
○^I TPA INTERIM

⊖ DOE-HQ ◇ FORECAST
⊖^{FO} DOE-FO ⊖^{RL} DOE-RL

FOOTNOTES:

+ Two milestones are listed for the same activity to indicate submission to RL and Ecology as identified in the MYPP.

MILESTONE SCHEDULE



NOTE: ALL TPA MILESTONES ARE REPORTED ON THE MILESTONE SCHEDULE OF WBS (ADS) 1.2.2.1

BCP-CCB-807, CLASS 1, SUBMITTED TO HQ 1/95 TO EXTEND W-291H PROJECT COMPLETE DATE TO 9/95.

Program Executive Summary

SUMMARY ASSESSMENT: The Liquid Effluent Program is rated as outstanding in the ES&H Compliance category, satisfactory in the Technical, Cost, and Schedule categories, and good in the Customer category. These ratings are based on performance indicators negotiated with the U.S. Department of Energy, Richland Operations Office (RL) for each of the five areas on the Program Manager's Assessment chart.

The Hanford Environmental Compliance (HEC) Project is rated as outstanding in ES&H Compliance, satisfactory in the Customer, Technical, and Schedule categories, and good in the Cost category. Construction completion, forecasted for September 1995, is expected in October 1995. Subproject C-018H and the overall HEC Project are forecasted to complete in December 1995 with the possible exception of C-018H claims resolution.

PROGRAM STATUS:

Technical Status: Nothing to report.

Schedule (DOE-HQ/FO/RL) Status: Nothing to report.

Cost Status:

The total FY95 C-170 savings entered on the scorecard was \$12.9M, of which \$7.4M was documented as productivity commitment for the Liquid Effluent Program and \$5.5M for HEC. Based on year-end actuals, an additional \$0.2M of efficiencies were achieved.

Expense uncosted of \$356K is a result of \$965K of workscope planned for completion in FY96, partially offset by higher-than-expected C-170 fee costs.

CENRTC carryover of \$201K will be used for the 340 Stack spares (\$15K) and the early buyout of 200 Area trailers in FY96 (\$180K).

Construction carryover of \$6152K is comprised of \$452K for the completion of Project W-353, "300 Area Diverter Upgrade," and \$5321K for ongoing work in support of Project W-252, "Phase II Effluent Treatment and Disposal."

HEC expense carryover is a result of \$200K of workscope that was delayed until FY96. This workscope includes Subproject C-018H closeout, final HEC Project closeout, and support for claims resolution for C-018H.

SITE MANAGEMENT SYSTEM	WESTINGHOUSE HANFORD COMPANY 1.2.2 LIQUID WASTE	SEPTEMBER 1995
-----------------------------------	--	-----------------------

The HEC FY95 capital carryover is \$10.8M. \$1.7M of this carryover is for outstanding legal commitments. All subprojects, except Subproject C-018H, 200 Area Effluent Treatment Facility (ETF), have completed construction. Delays associated with RL-directed extended testing of Subproject C-018H will impact final HEC Project closeout. Total outstanding claims from ADTECHS, the core facility contractor for C-018H, total \$14.0M and 215 days. The capital carryover is being held to support resolution of these claims.

Recovery Plan Status: Nothing to report.

TRI-PARTY AGREEMENT STATUS: Due to the delay in the 200 Area ETF construction and acceptance testing, Milestones M-17-14, "Start-up of the 200 Area ETF;" and M-17-29, "Implement BAT/AKART for the 242-A Process Condensate;" are unrecoverable. These milestones are expected to be completed by March 1996.

DEFENSE NUCLEAR FACILITIES SAFETY BOARD (DNFSB): Nothing to report.

MAJOR ACCOMPLISHMENTS:

- All of the 200 Area ETF documents associated with the top ten priority groups, considered essential for readiness, have been reviewed and either accepted or comments supplied to ADTECHS for incorporation. This effort included reviewing over 2000 sheets of logic, Piping and Instrumentation Design (P&ID), miscellaneous documents which will be placed into the vendor information system. This significant effort resolves the technical documentation issues on ADTECHS documents required for readiness.
- Phase II testing of the 200 Area ETF completed on September 13, 1995. The construction contractor, ADTECHS, is now performing remaining physical work required to turn the plant over to WHC.

PROBLEMS/ISSUES/CONCERNS:

- C-018H Core Facility Contractor Claims

Corrective Action: The C-018H core facility contractor has submitted claims totaling \$14M and a 215-day schedule extension. The claims response strategy development continues. Completion of the response strategy and initiation of discussions with the contractor are anticipated to occur in the first quarter of FY96.

SITE MANAGEMENT SYSTEM	WESTINGHOUSE HANFORD COMPANY 1.2.2 LIQUID WASTE	SEPTEMBER 1995
---------------------------	--	----------------

- C-018H Verification Tank Special Protective Coating

During installation of the verification tanks hand rails safety enhancements, problems with the adhesion of the interior special protective coating on all three tanks was identified. This problem is in addition to the previously identified cracking/special protective coating failure on the verification tanks catch basins.

• Corrective Action: The core facility contractor has implemented a repair plan. Turnover of the 200 Area ETF to WHC is expected in early October 1995.

SITE MANAGEMENT SYSTEM	WESTINGHOUSE HANFORD COMPANY 1.2.2 LIQUID WASTE	SEPTEMBER 1995
-----------------------------------	--	-----------------------

EXPENSE COST PERFORMANCE

(\$ In Thousands)

WBS (ADS)	FY TO DATE					AT COMPLETION					COMMENTS
	BUDGETED COST		ACTUAL COST	VARIANCE		BAC	EAC	FYSF	EXPECTED FUNDS FY 1995	PROJECTED CARRY-OVER WORK-SCOPE	
	WORK SCHED	WORK PERF	WORK PERF	SCHED	COST						
1.2.2.1 (2300-0) Liquid Effluents	40979	40086	35493	(893)	4,593	40979	36258	35493	35343	765	
1.2.2.1 (2300-1) Phase II Effluent Treatment/Disposal	1007	1007	928	0	79	1007	928	928	1083	0	
1.2.2.1 (2330-0) 340 Facility Waste Storage Upgrade	331	331	247	0	84	331	247	247	372	0	
1.2.2.2 (2310-1) HEC	1850	1646	1520	(204)	126	1850	1720	1520	1746	200	
TOTAL	44,167	43,070	38,188	(1,097)	4,882	44,167	39,153	38,188	38,544	965	

EAC is defined as the estimate of what it is going to cost to complete the work as defined by the Fiscal Year Work Plan and Class I Changes.

FYSF is defined as the estimated total that will be spent from October through September. EAC already reduced by Productivity Challenge.

Expected Funds is defined as total funding guidance expected at fiscal year end (includes anticipated approval of change requests, carryover, reprogramming actions and reserve holdbacks).

PROJECT MANAGER'S OVERALL ASSESSMENT

SEPTEMBER 1995

Richland Environmental Restoration Project

WBS	PROJECT ELEMENT	ES & H Compliance	Customer	Technical	Schedule	Cost	Comment
1.4.10.1	Richland Environmental Restoration Project	□	■	■	□	■	

Legend		CONCURRENCE	
<u>Rating Gradient Symbols</u>	<u>Indicators</u>		
■ Outstanding	+ Improved from last month	ERC	<i>Joseph Z. Nemes</i>
□ Good	- Downgrade from last month	DOE/RL	<i>Robert J. Debus</i>
◇ Satisfactory			
○ Marginal			
● Unsatisfactory			
		The information contained within this report is complete and accurate to the best of my knowledge.	

PROJECT MANAGER'S OVERALL ASSESSMENT

September 1995

Richland Environmental Restoration Project

WBS	PROJECT ELEMENT	ES & H Compliance	Customer	Technical	Schedule	Cost	Comment
1.4.10.1.1	Remedial Actions	■	□	■	□	■	
1.4.10.1.2	D & D Facilities	◇	■	■	□	■	
1.4.10.1.2.5	N Reactor Deactivation	□-	■+	■	■	■	
1.4.10.1.3	Program Management and Support	□	■	■	■+	■	
1.4.10.1.6	ERDF	■	■	■	■	■	

Richland Environmental Restoration Project

TPA Quarterly Review



U.S. Department of Energy
U.S. Environmental Protection Agency
Washington State Department of Ecology

November 15, 1995

Tri-Party Agreement Quarterly Review
Environmental Restoration (Milestones: M-13, M-15, M-16, M-20, M-70)

A G E N D A

November 15, 1995 (8:30 a.m. to 10:30 a.m.)

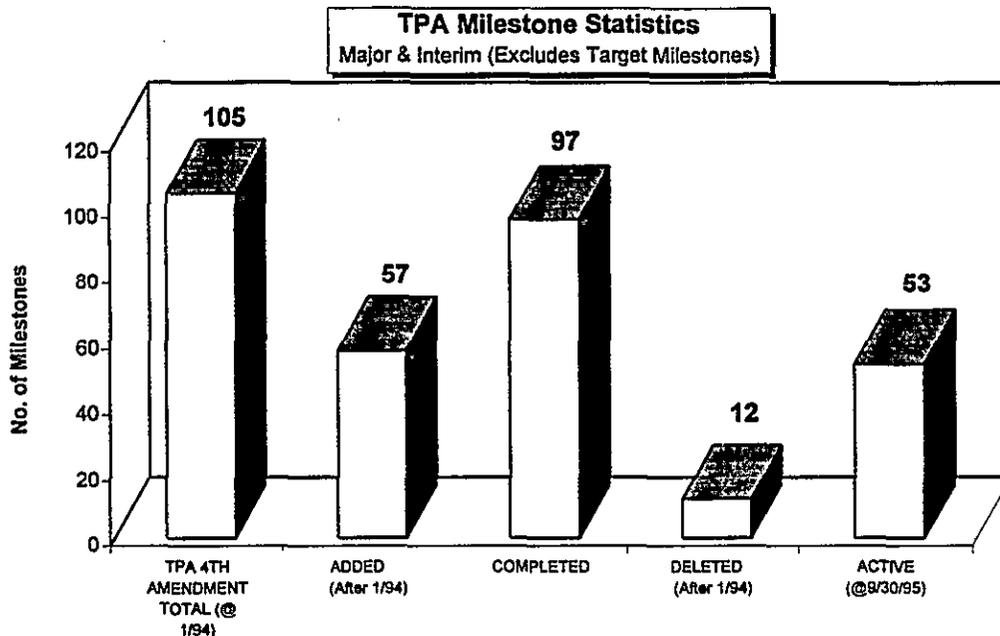
<u>Topics</u>	<u>Discussion Leader</u>	<u>Time</u>
Program Assessment & TPA Milestone Overview	Rich Holten	8:30 AM
Progress & Lookahead	Rich Holten	8:45 AM
<ul style="list-style-type: none"> - FY 1995 Accomplishments/FY 1996 Planned Progress - 120-Day Milestone Lookahead - Significant Issues - Cost & Schedule Performance & Variances (<i>By Exception</i>) 		
Special Topics		9:30 AM
1 <i>Fy 1996 Planning Schedule (10 min)</i>	Tom Wintczak	
2 <i>200-BP-11 Operable Unit (50 min)</i>	Rich Holten	

Table of Contents

	Page
Table of Contents	1-2
Milestone Overview	3-8
FY 1995 Accomplishments (Year End).....	9-23
Remedial Action Projects (100, 200, 300, 1100/North Slope Areas)	
Groundwater (100, 200 Areas)	
ERDF Project	
N - Area Pilot Project (100-NR, 100-N Deactivation)	
D & D Projects (100, 200 Areas, Asbestos Abatement, RARA)	
Program Management & Support Projects	
FY 1996 Planned Physical Progress	24-30
Remedial Action Projects (100, 200, 300, 1100/North Slope Areas)	
Groundwater (100, 200 Areas)	
ERDF Project	
N - Area Pilot Project (100-NR, 100-N Deactivation)	
D & D Projects (100, 200 Areas, Asbestos Abatement, RARA)	
Milestones - 120 Day Lookahead.....	31
Issues	32-33
Cost & Schedule Performance & Variance Summary (Year End)	34-43
ER Project Summary	
Remedial Action Projects (100, 100-NR, 200, 300, 1100 Areas, RARA)	
ERDF Project	
N - Area Pilot Project (100-N Deactivation)	
D & D Projects (100, 200 Areas, Asbestos Abatement, 183-H)	
Program Management & Support Projects	
Milestone Summary Schedule (FY 1995 - FY 2001)	44-48

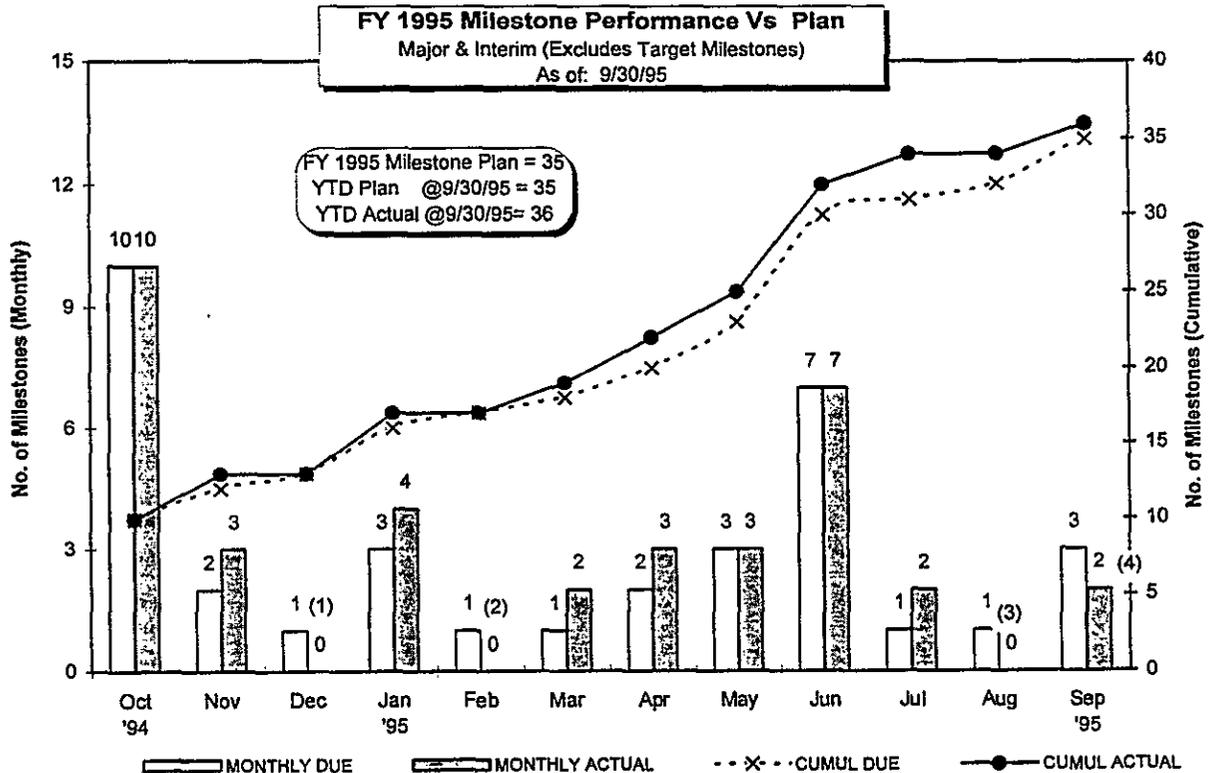
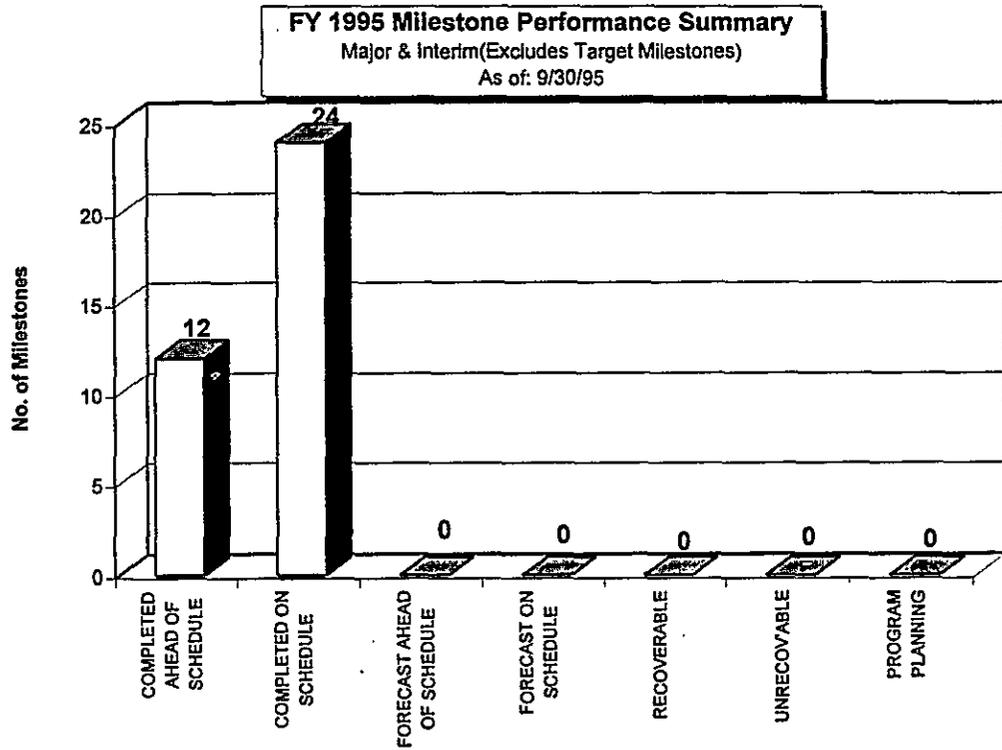
**THIS PAGE INTENTIONALLY
LEFT BLANK**

TPA Milestone Overview



TPA Milestone Statistics
Major & Interim (Excludes Target Milestones)

	Completion Date	Total @1/94	Added After 1/94	Completed @ 9/30/95	Deleted	Active @ 9/30/95
M-13-00 Submit Workplans for RFI/CMS or RI/FS Studies	6/30/06 (M-13-00Q)	24	17	19	7	15
M-15-00 Site Investigations / Feasibility Studies	12/31/08 (M-15-00C)	60	21	61	1	19
M-16-00 Remedial Design / Remedial Action	9/30/18 (M-16-00)	4	16	8	0	12
M-20-00 Submit Closure Plans for All RCRA TSD Units	2/28/00 (M-20-00)	14	3	7	4	6
M-70-00 ERDF Operational	9/30/96 (M-70-00)	3	0	2	0	1
TOTAL		105	57	97	12	53



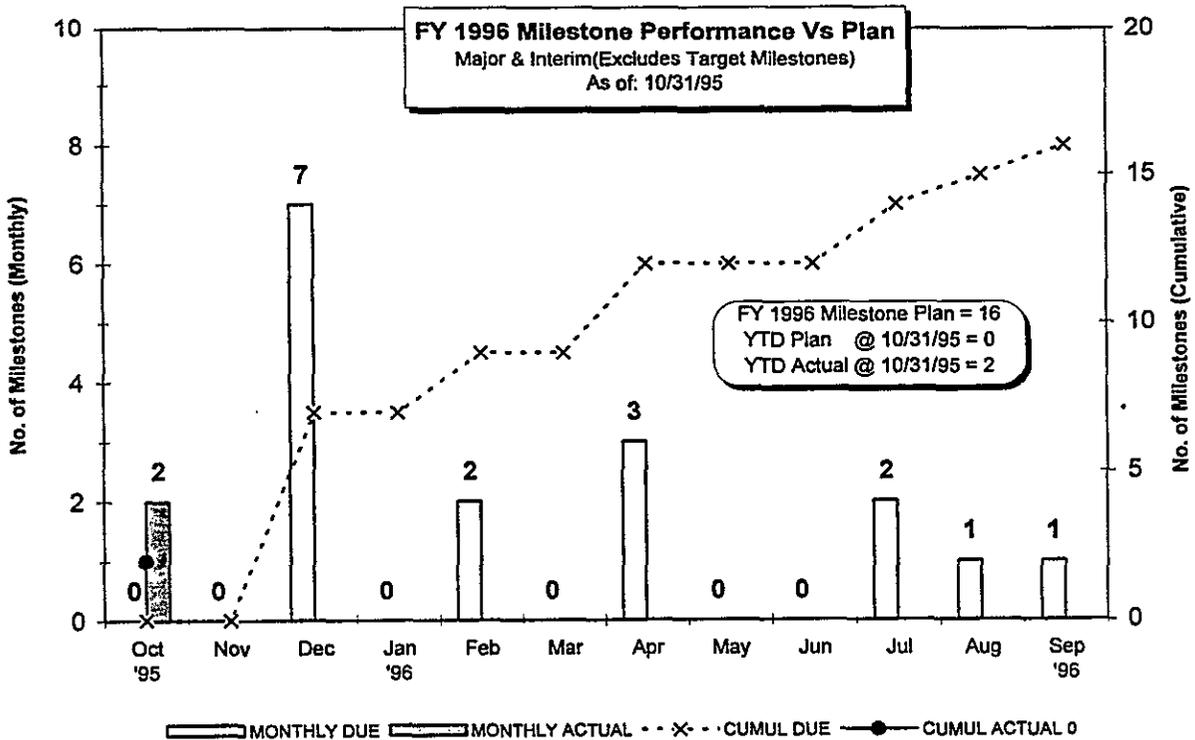
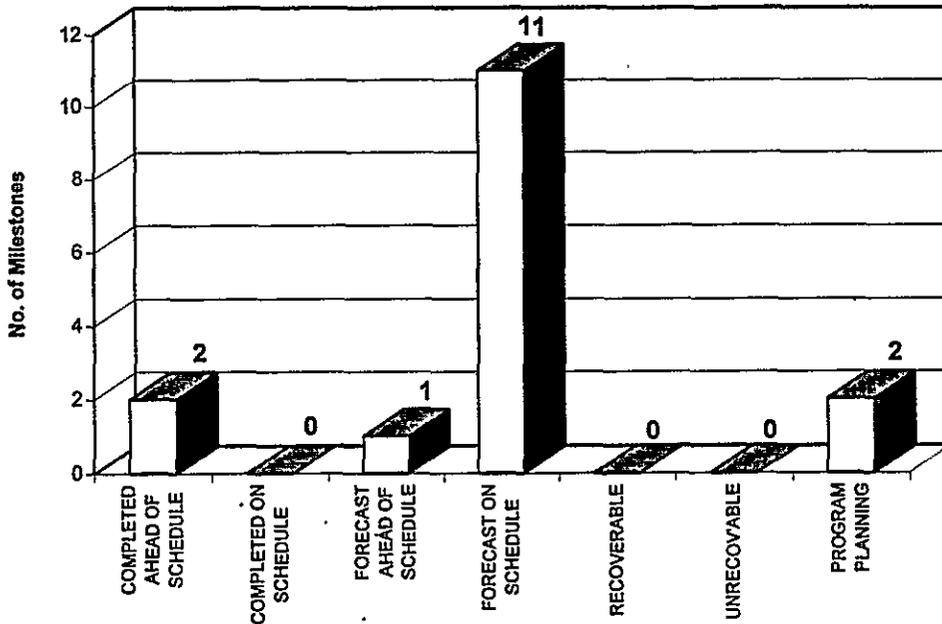
(1) Milestone completed in Nov. '94 (3) Milestone completed June '95
(2) Milestone completed in Jan. '95 (4) Milestone completed Jul '95

	FY95 Month	Milestone	Description	Due Date	F/C ACT Date	Completed Ahead Schedule	Completed on Schedule	Fest. Ahead Schedule	Fest. On Schedule	Recoverable	Unrecoverable	Program Planning
1	Oct-94	M-13-81A	Submit WP on Hanford GW Prot. Mgmt Plan	10/31/94	10/31/94A		X					
2		M-13-87	Submit RF/CMS for 100-NR-1/100-NR-2	10/31/94	10/31/94A		X					
3		M-15-09C	Submit FFS 100-BC-5	10/31/94	10/27/94A		X					
4		M-15-09-D	Submit IRM Proposed Plan 100-BC-5	10/31/94	10/27/94A		X					
5		M-15-11C	Submit FFS 100-KR-4	10/31/94	10/27/94A		X					
6		M-15-11D	Submit IRM Proposed Plan 100-KR-4	10/31/94	10/27/94A		X					
7		M-16-12	Submit Rept/Sched to abate 1301N/1325N "Skyshine"	10/31/94	10/28/94A		X					
8		M-16-12C	Letter w/results of (1)Pump test(2)Doc Extractn Wells for 100-NR-1/2	10/31/94	10/31/94A		X					
9		M-16-81	Compl. RA Draft CERCLA Constr. compl. for ALE	10/31/94	10/31/94A		X					
10		M-16-82	Compl. RA Draft CERCLA Act. Assessment N. Slope	10/31/94	10/31/94A		X					
11	Nov-94	M-15-08D	Submit FFS 100-BC-1(IRM Proposed Plan included)	11/30/94	11/18/94A	X						
12		M-13-08	Submit Draft LFI Work Plan 300-FF-2	11/30/94	11/21/94A	X						
13	Dec-94	M-13-00C	Submit 6 RI/FS Work Plans	12/31/94	11/21/94A	X						
14	Jan-95	M-15-18B	Submit FFS 100-HR-2	1/31/95	1/30/95A		X					
15		M-15-18C	Submit IRM Proposed Plan 100-HR-2	1/31/95	1/30/95A		X					
16		M-15-04B/C	Submit Draft Phase 2 RI and Ph #3 FS Report for 300-FF-5	1/31/95	1/19/95A	X						
17	Feb-95	M-15-07B	100-DR-1 Soil Washing Treatability Activities	2/15/95	1/12/95A	X						
18	Mar-95	M-15-12D	Submit 100-N Area Pilot Project Plan(45 days after receipt of Regulator comments)	3/16/95	3/16/95A		X					
19	Apr-95	M-15-10C	Submit FFS / IRM 100-KR-1	4/30/95	5/01/95A		X					
20		M-15-17	Submit IRM/PP for Uranium Tech-99 for 200-UP-1	4/30/95	4/07/95A	X						
21	May-95	M-15-13C	Submit FFS 100-FR-1	5/31/95	5/30/95A		X					
22		M-15-13D	Submit IRM Proposed Plan 100 -FR-1	5/31/95	5/30/95A		X					
23		M-15-16C	Submit 100-B Burial Ground Field Work	5/31/95	5/04/95A	X						
24	Jun-95	M-20-36	Submit 216-A-29 Ditch/Trench Closure/Post Closure 200-BP-11	6/30/95	4/03/95A	X						
25		M-20-37	Submit Closure/Post Closure 216-U-12 Crib 200-UP-2	6/30/95	6/27/95A		X					
26		M-15-15B	Submit Draft LFI 200-UP-2	6/30/95	6/27/95A		X					
27		M-15-16E	Submit FFS 100-BC-2	6/30/95	6/30/95A		X					
28		M-15-16F	Submit IRM Proposed Plan 100-BC-2	6/30/95	6/30/95A		X					
29		M-15-20A	Submit FFS 100-DR-2	6/30/95	6/30/95A		X					
30		M-15-20B	Submit IRM Proposed Plan 100-DR-2	6/30/95	6/30/95A		X					
31	Jul-95	M-15-33A	Submit FFS 100-KR-2	7/31/95	7/28/95A	X						
32	Aug-95	M-15-07I	Soil Washing Treatability Report 100-DR-1	8/31/95	6/20/95A	X						
33	Sep-95	M-16-12D	Complete Constr./Inst & Start N-Springs Pump/Treat	9/30/95	9/29/95A		X					
34		**M-16-12A	Complete "Skyshine Abatement" action selected under M-16-12.	9/30/95	7/26/95A	X						
35		**M-16-12F	Complete Dose Activities at the Columbia River shoreline by Decontamination of 1304-N Emergency Dump Tank (EDT)	9/30/95	9/29/95A		X					
			S/T FY-95			11	24	0	0	0	0	0
36		*M-13-00I	Submit Planning Documents for RI/FS Work Plan 100-KR-2/100-FR-2	12/31/95	3/31/95A	X						
		FY 1995 Total TPA Milestones				12	24	0	0	0	0	0

* M-13-00I a FY-96 milestone was completed in FY-95 with the submittal of HQ Milestones 1-PC-95-004 and 1-PD-95-005

** M-16-12A "Skyshine Abatement" was completed by the approved CR #M-16-95-03, dated 7/26/95 which added M-16-12F Decontamination of 1304-N Emergency Dump Tank (EDT).

FY 1996 Milestone Performance Summary
Major & Interim (Excludes Target Milestones)
As of: 10/31/95



ER Project Summary

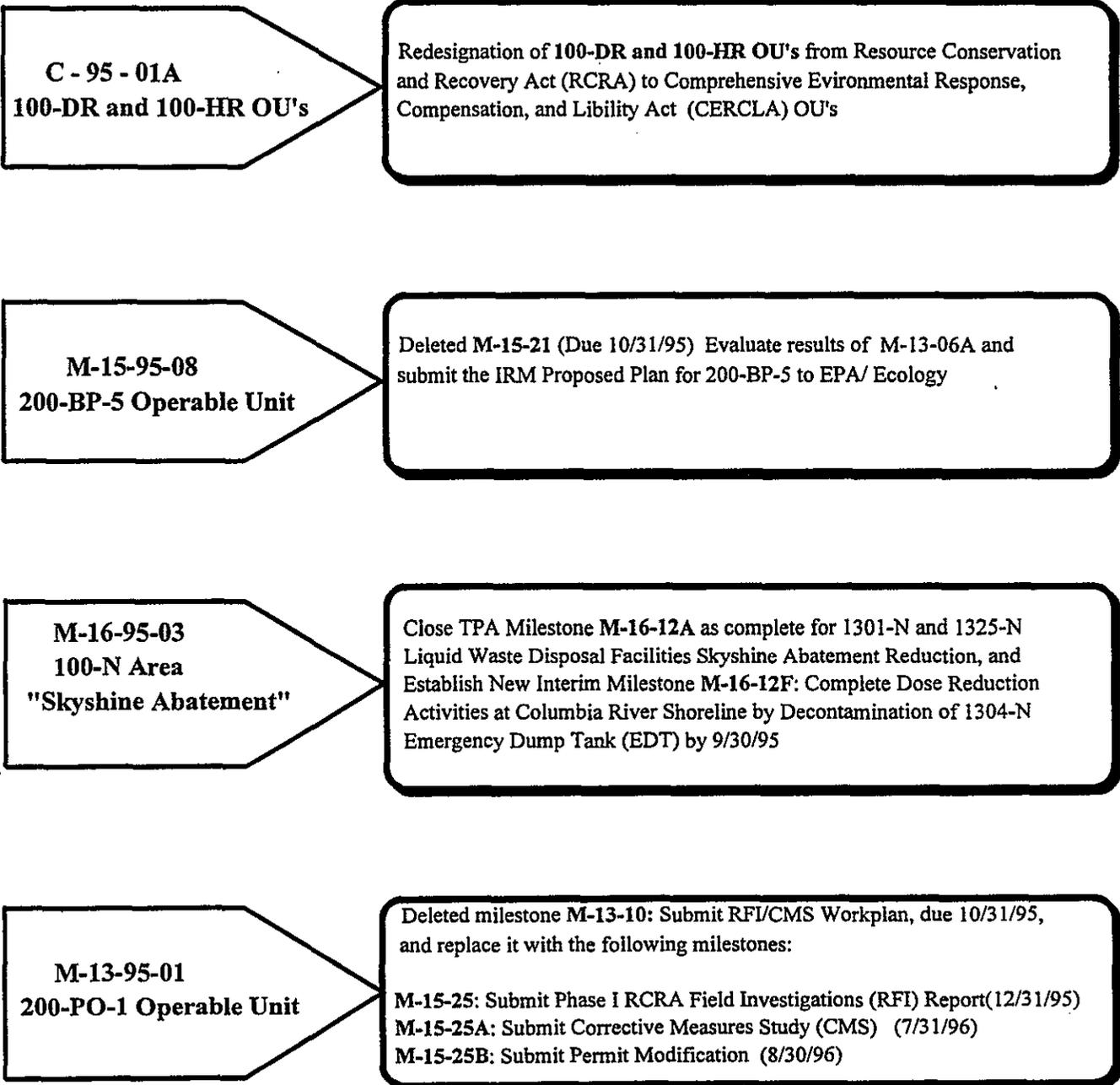
FY 1996 TPA Milestone Summary (Excludes Target Milestones)

	FY96 Month	Milestone	Description	Due Date	Forecast /Actual Date	Complete Ahead Schedule	Complete on Schedule	Forecast Ahead Schedule	Forecast On Schedule	Recoverable	Unrecoverable	Program Planning
	Oct-95	= M-15-21	Evaluate M-13-06A & submit the IRM Proposed Plan for 200-BP-5	10/31/95	NA							
1	Dec-95	M-15-80	Submit the Columbia River Comprehensive Impact Assessment	12/15/95	9/30/96F							X
2		M-15-33B	Submit 100-KR-2 IRM Proposed Plan	12/29/95	10/20/95A	X						
		*M-13-001	Submit Planning Documentation Necessary to complete the RI/FS Work Plan Process for 100-FR-2 and 100-KR-2(includes former 100-KR-3)	12/31/95	3/31/95A	*X						
3		M-16-05A	Submit Construction completion reports for the remaining 1100 Area OUs	12/31/95	12/31/95F				X			
4		M-15-81A	Provide report coordinating Regulatory Compliance for RCRA /CERCLA	12/31/95	12/31/95F				X			
5		M-15-25	Submit 200-PO-1 Phase I RCRA Field Investigation (RFI)	12/31/95	12/31/95F				X			
6		M-15-13G	Submit the 100-FR-3 FFS to Regulators	12/31/95	12/31/95F				X			
7	M-15-13H	Submit the 100-FR-3 IRM Proposed Plan to Regulators	12/31/95	12/31/95F				X				
8	Feb-96	M-16-12E	Submit Letter report that evaluates the P/T Facility effectiveness	2/28/96	2/28/96F				X			
9		M-16-12B	Complete Construction/Installation of Sheet Pile Barrier Wall	TBD 2/28/1996	TBD 2/28/96F							X
10	Apr-96	M-15-15C	Submit the Draft 200-UP-2 FFS report to Regulators	4/30/96	4/30/96F				X			
11		M-15-15D	Submit the Draft 200-UP-2 IRM Proposed Plans to Regulators	4/30/96	4/30/96F				X			
12		M-15-81B	Submit the Iodine 129 Study to Regulators	4/30/96	10/12/95A	X						
13	Jul-96	M-15-12A	Submit LFI Report for New Work Completed for 100-NR-1/100-NR-2	7/31/96	7/31/96F				X			
14		M-15-25A	Submit 200-PO-1 Corrective Measures Study (CMS)	7/31/96	7/31/96F				X			
15	Aug-96	M-15-25B	Submit 200-PO-1 Permit Modification	8/30/96	8/30/96F				X			
16	Sep-96	M-70-00	ERDF is Operational	9/30/96	7/15/96F			X				
FY 1996 Total TPA Milestones						2	0	1	11	0	0	2

* FY 1996 TPA Milestone completed in FY 1995 and not included in count.
 = M-15-21 was deleted by the approval of CR# M-15-95-08 dated 9/27/95.

Environmental Restoration
 TPA Quarterly Review (November 95)

***This Quarter's TPA Change Requests
(July - September 1995)***



KR-1

- M-15-10C
 - Submitted FFS and IRM Proposed Plan

KR-2

- M-15-33A
 - Submitted Combined LFI/QRA and FFS
- M-13-001
 - Completed RI/FS Work Plan
- Initiated IRM Proposed Plan

IU-3 (North Slope)

- Submitted Proposed Plan

IU-1 (Riverlands)

- Submitted Proposed Plan

100-B/C Area

118 B-1 Burial Ground Excavation Treatability Study

- M-15-16C
 - Submitted Field Work Report

BC-1 Demonstration Project ERA (Pilot Project)

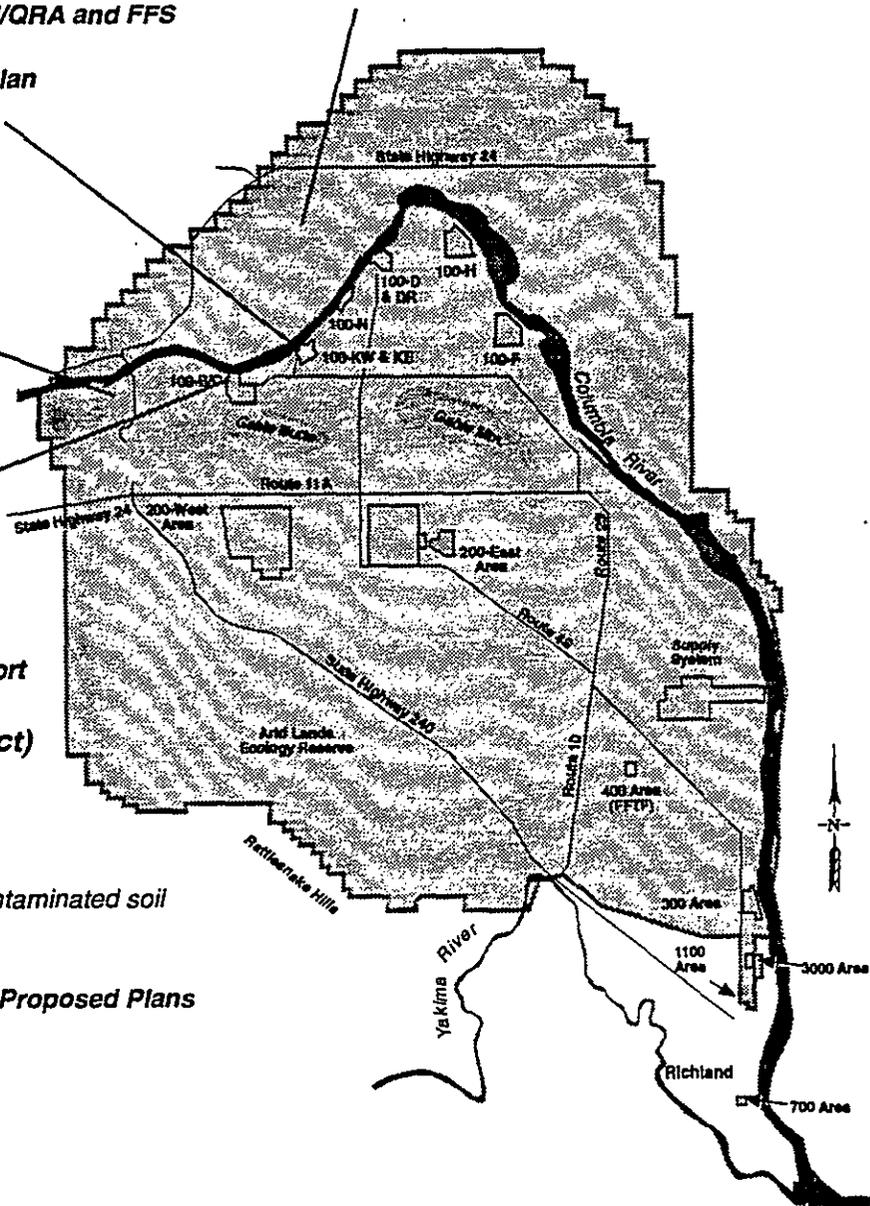
- Objectives formulated using SAFER
- Initiated EE/CA
- Began remediation 6/4/95
- Excavated 3,800 LCY of contaminated soil

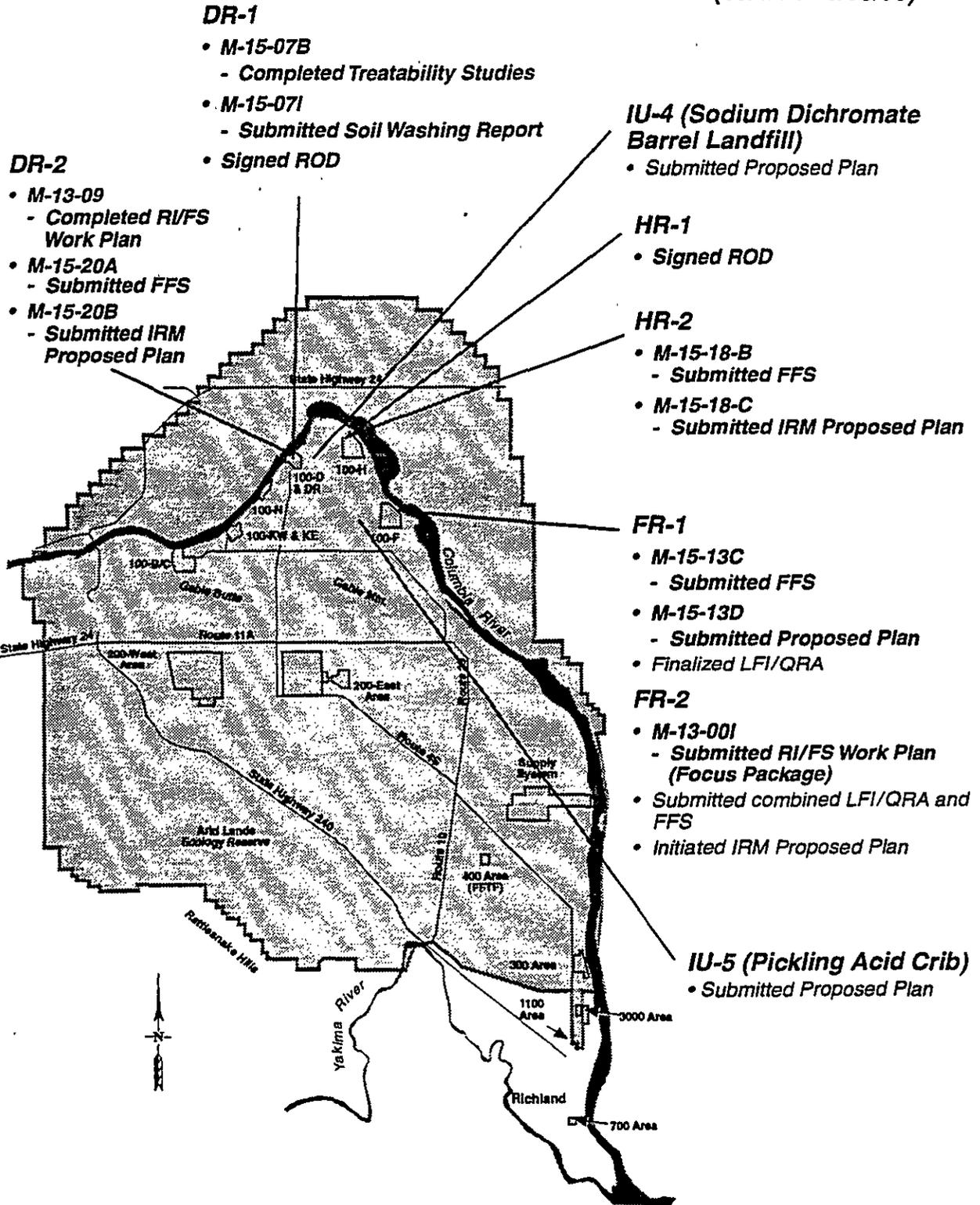
BC-1, DR-1, HR-1

- M-15-08D, 8C
 - Submitted FFS and IRM Proposed Plans
- Signed ROD
- Initiated RD/RA

BC-2

- M-15-16E
 - Submitted FFS
- M-15-16F
 - Submitted IRM Proposed Plan





200 West Area

200-UP-2

- M-15-15B
 - Submitted decisional draft LFI report to RL
- M-20-37
 - Submitted LFI/Closure Plan to RL

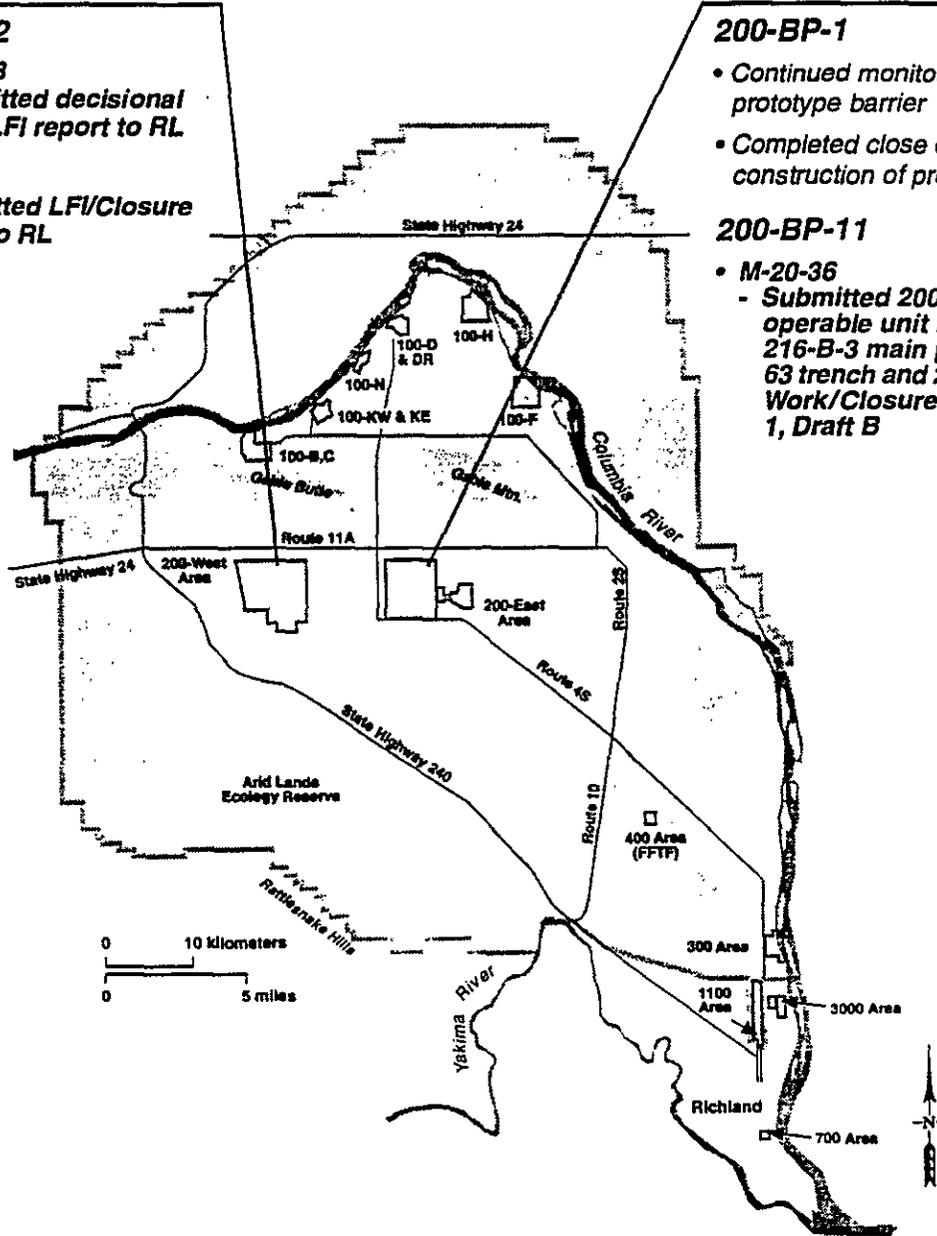
200 East Area

200-BP-1

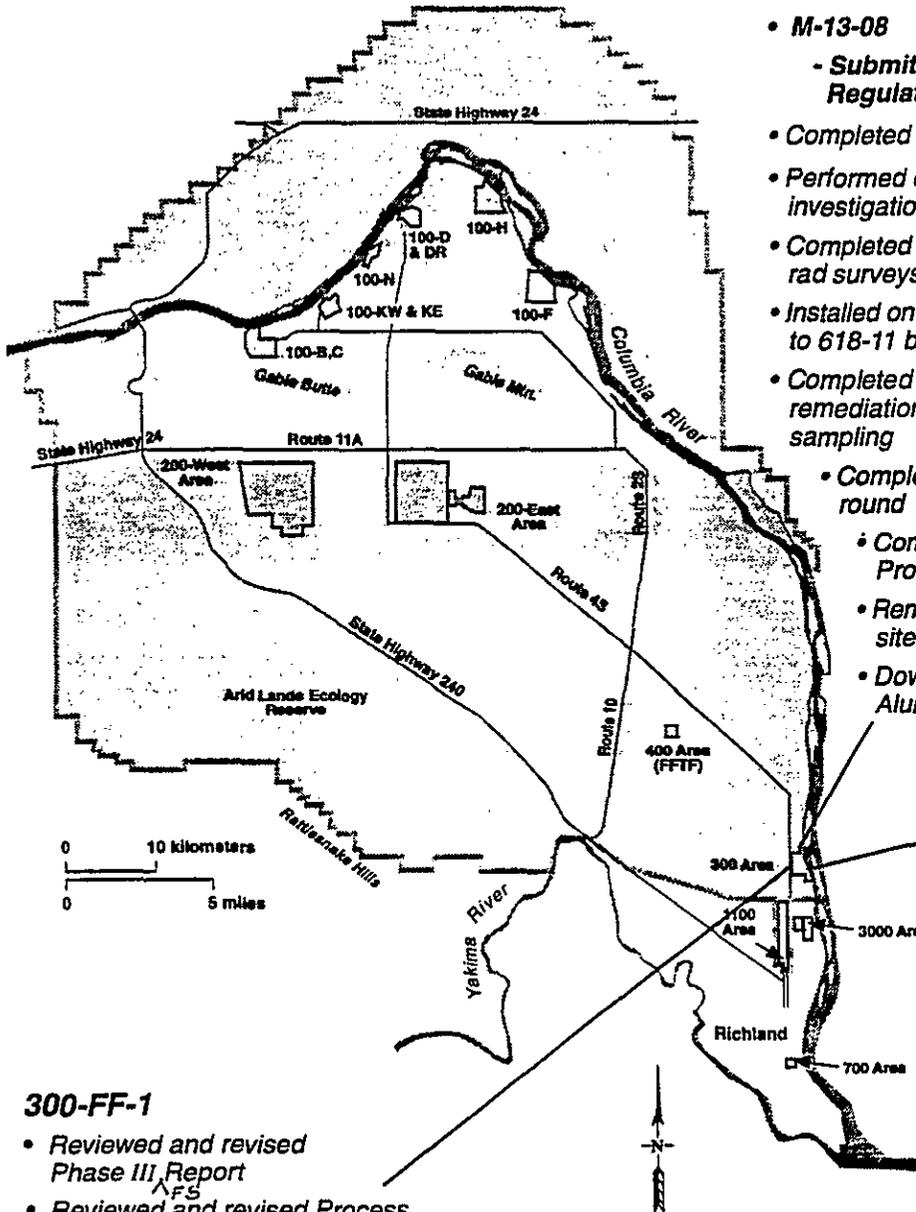
- Continued monitoring of the prototype barrier
- Completed close out items for construction of prototype barrier

200-BP-11

- M-20-36
 - Submitted 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, Volume 1, Draft B



**Accomplishments
(10/1/94 - 9/30/95)**



300-FF-2

- **M-13-08**
 - Submitted LFI Work Plan to Regulators
- Completed non-intrusive investigations
- Performed cultural resources investigations
- Completed all geophysical field work, rad surveys, and surface soil sampling
- Installed one ground water well adjacent to 618-11 burial ground
- Completed well integrity evaluations and remediation to support ground water sampling
- Completed ground water sampling round
- Completed workplan DQO Process
- Remediated the "cut-up" oil dump site
- Downposted 100,000 SF of the Aluminum Recycle Staging Area

300-FF-5

- **M-15-04BC**
 - Submit Combined Phase 2 RI/Phase 3 FS Report
- Completed round 8 ground water sampling
- Revised and combined Proposed Plans for FF-1 and FF-5
- Prepared decisional draft Operations and Maintenance Plan

300-FF-1

- Reviewed and revised Phase III Report AFS
- Reviewed and revised Process Trench Closure Plan
- Issued Draft Proposed Plan to regulators
- Revised and combined Proposed Plans for FF-1 and FF-5
- Prepared Sampling Plan and sampled South Process Pond for Cobalt 60

North Slope

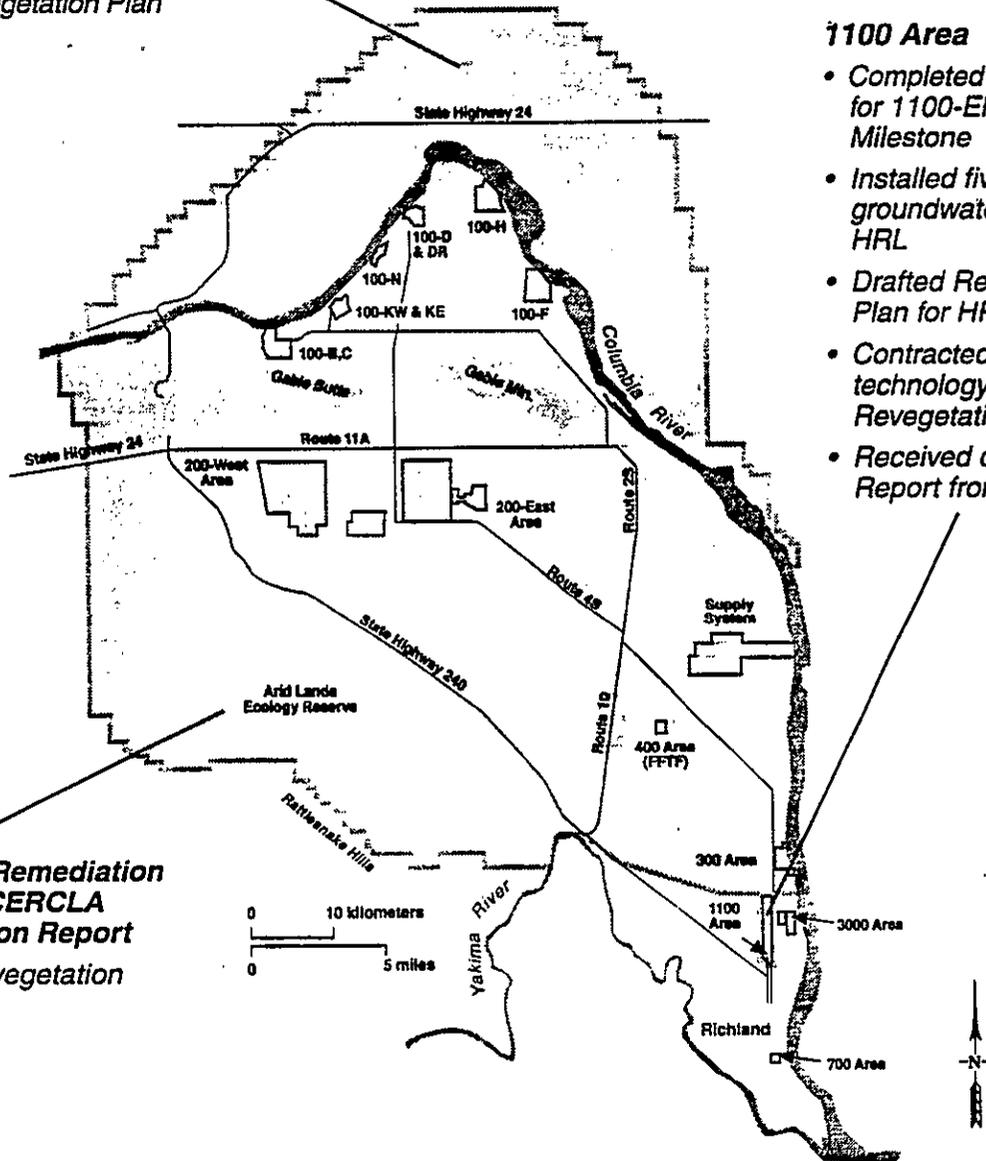
- M-16-82
- Complete Remediation and Draft CERCLA Assessment Report
- Drafted Revegetation Plan

1100 Area

- Completed all field work for 1100-EM-2 to meet Milestone
- Installed five groundwater wells at HRL
- Drafted Revegetation Plan for HRL
- Contracted new technology for Revegetating HRL
- Received draft Closure Report from ACE

ALE

- M-16-81
- Complete Remediation and Draft CERCLA Construction Report
- Drafted Revegetation Plans



HRL = Horn Rapids Landfill

**Accomplishments
(10/1/94 - 9/30/95)**

KR-4

- Incorporated Regulators comments into FFS
- Incorporated Regulators comments into IRM Proposed Plan
- Completed two rounds of sampling

BC-5

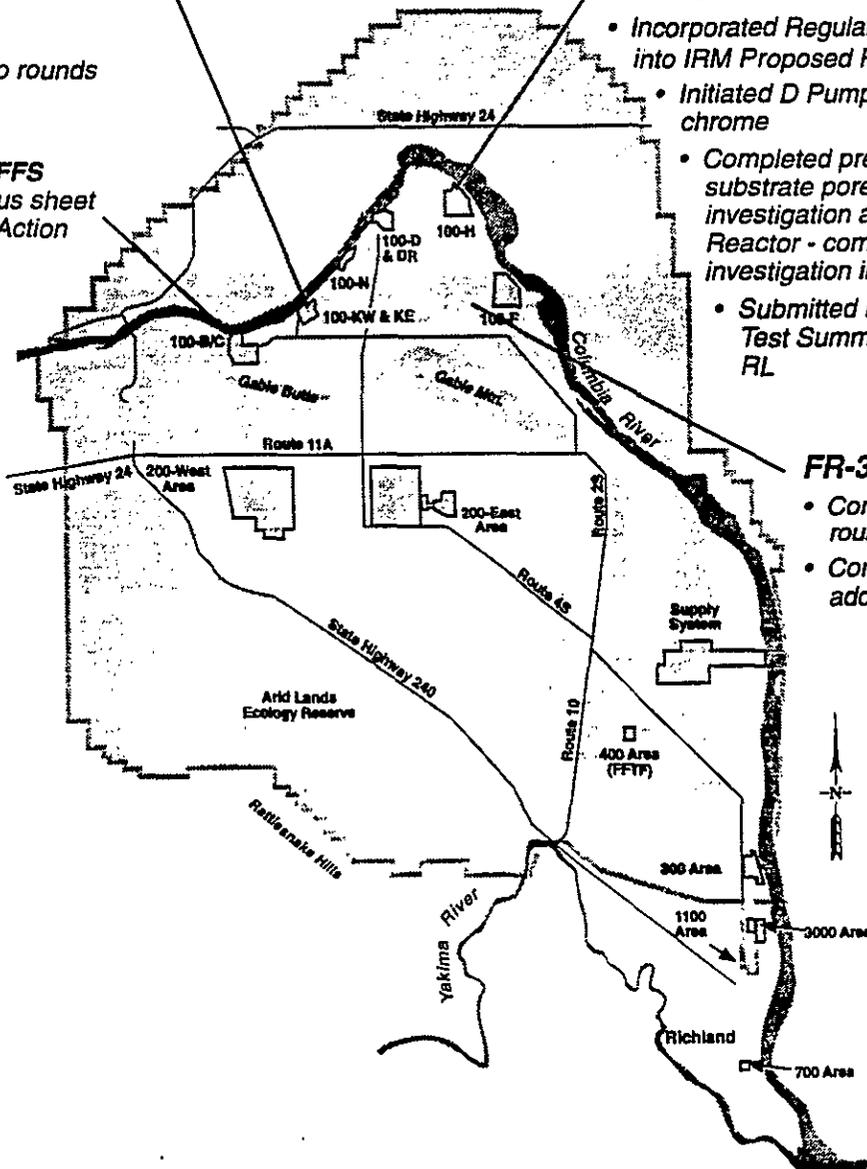
- Completed two rounds of sampling
- M-15-09C
- Submitted FFS
- Submitted focus sheet for no Interim Action

HR-3

- Treated over 6,800,000 gallons of groundwater and removed 62 pounds of chromium
- Completed two rounds of sampling
- Incorporated Regulators comments into FFS
- Incorporated Regulators comments into IRM Proposed Plan
- Initiated D Pump and Treat for chrome
- Completed preliminary river substrate pore water investigation at H Area Reactor - comprehensive investigation in progress
- Submitted D Treatability Test Summary Report to RL

FR-3

- Completed two rounds of sampling
- Completed LFI addendum for TCE



200 West Area

200-UP-1

- Treated 4,050,000 gallons of groundwater
- Submitted Treatability Test Report
- **M-15-17**
 - Submitted IRM Proposed Plan for Uranium, Technetium and Nitrate
- Submitted Biodegradation Test Report
- Completed drilling five new IRM wells

200-ZP-1

- 200-ZP-1 IROD was signed by DOE, EPA, and Ecology
- Treated over 4,000,000 gallons of groundwater
- Submitted DNAPL Plan
- Initiated bio-remediation tech demonstration
- Completed drilling three new ZP-1 wells
- Completed DNAPL well installation
- Submitted final 200-ZP-1 Treatability Test Report, DOE/RL-95-30, Rev. 0
- Submitted the final 200-ZP-1 Groundwater Sampling and Analysis Plan/Quality Assurance Plan, BHI-00038, Rev. 2
- Awarded majority of contracts in support of 200-ZP-1 Phase II upgrades

200-ZP-2

- Removed over 56,000 pounds of Carbon Tetrachloride
- Submitted Draft IRM Proposal Plan to RL
- Performed tech demonstrations on tunable hybrid plasma and PURUS
- Installed Passive Soil Vapor Extraction System on borehole W18-247

200 East Area

200-BP-5

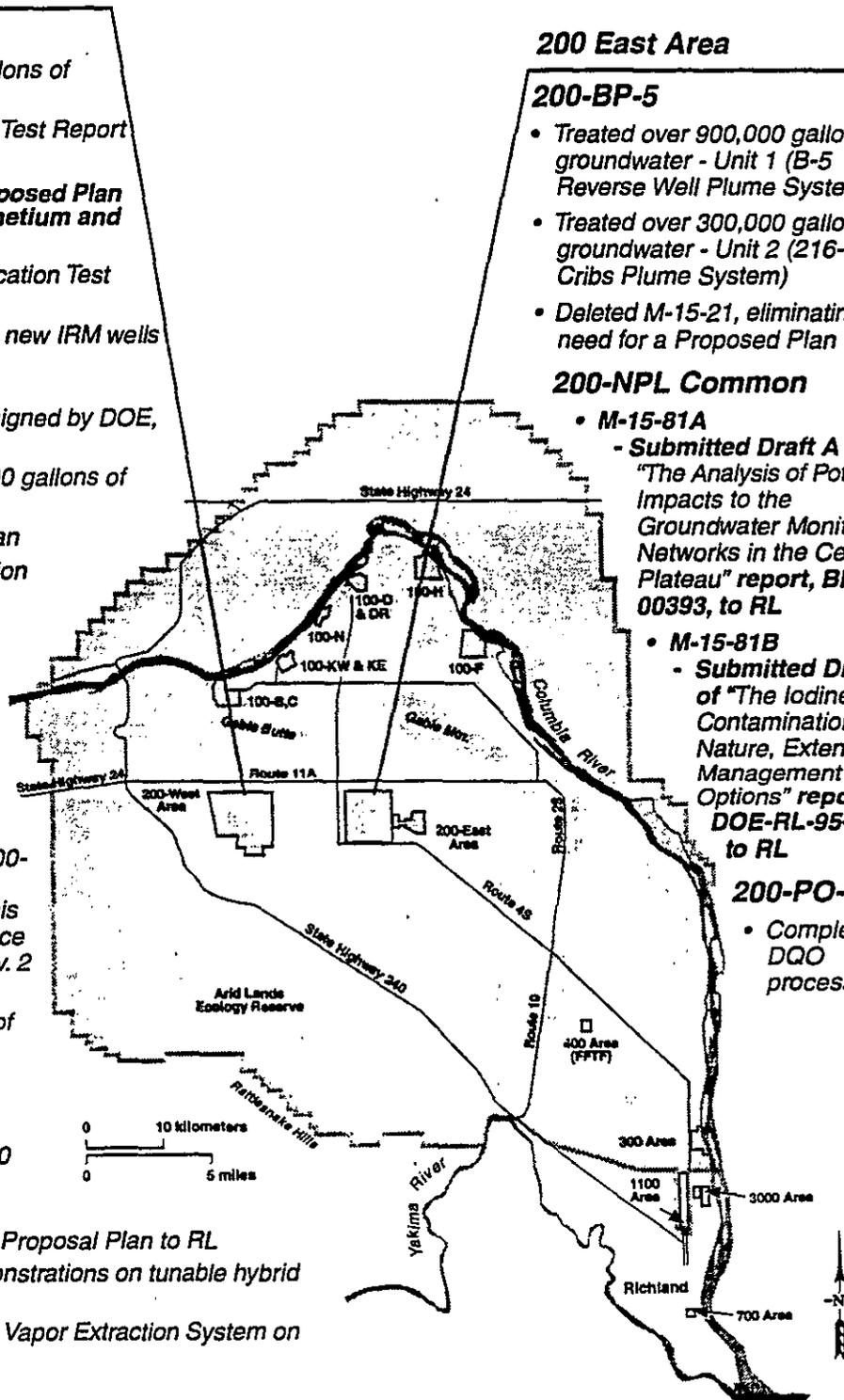
- Treated over 900,000 gallons of groundwater - Unit 1 (B-5 Reverse Well Plume System)
- Treated over 300,000 gallons of groundwater - Unit 2 (216-BY Cribs Plume System)
- Deleted M-15-21, eliminating the need for a Proposed Plan

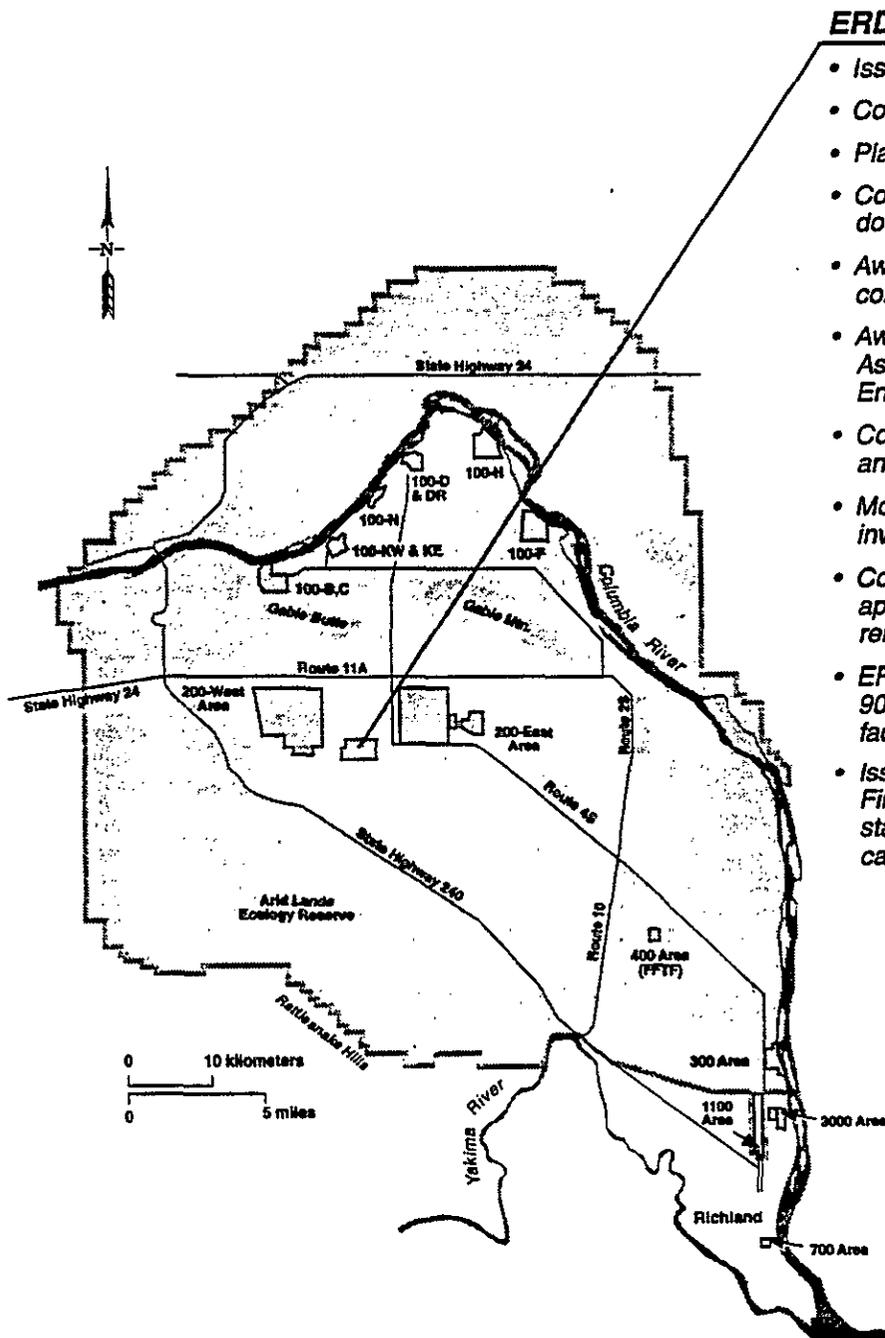
200-NPL Common

- **M-15-81A**
 - Submitted Draft A of "The Analysis of Potential Impacts to the Groundwater Monitoring Networks in the Central Plateau" report, BHI-00393, to RL
- **M-15-81B**
 - Submitted Draft A of "The Iodine-129 Contamination: Nature, Extent, and Management Options" report, DOE-RL-95-89, to RL

200-PO-1

- Completed DQO process





ERDF

- Issued Record of Decision
- Completed site clearing & grubbing
- Planted winter wheat for dust control
- Completed design for remainder of downsized facility
- Awarded the facilities construction contract to Delhur Industries Inc.
- Awarded Construction Quality Assurance (CQA) contract to Rust Environmental
- Completed USACE/BHI engineering and management transition
- Mobilized and completed road investigation & deflectometer testing
- Completed trench excavation, approximately 2,125,000 cubic yards removed and stockpiled
- EPA provided approval to eliminate 9090 testing requirement for the ERDF facility
- Issued Safety Analysis (containing Final Hazard Analysis) changing the status of the ERDF facility from category 3 (nuclear) to radiological
 - Began installation of admix base liner, 48% complete. Approximately 61,000 cubic yards placed of the required 136,500
 - Issued the Commercial Operations procurement package for bid

N Area Project

- Approval of 100-N Pilot Project Management Plan (TPA)
- Approval of N Reactor Deactivation Program Plan

N Basin

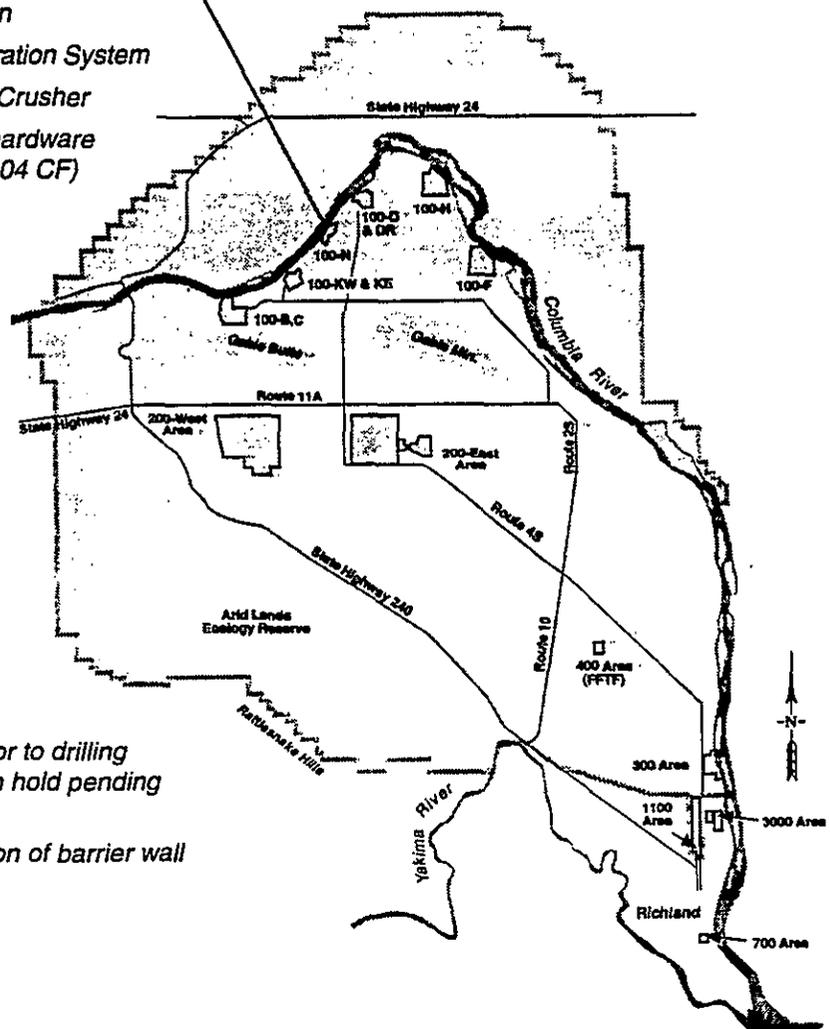
- Finalized Environmental Assessment (FONSI issued 5/1/95)
- Completed Readiness Assessment and Safety Document
- Completed installation of Cask Pit Door and Covers
- Developed Waste Minimization Plan
- Completed installation of Water Filtration System
- Completed installation of Canister Crusher
- Removed 682 CF more low dose hardware than the planned 1622 CF (total 2304 CF)

Facility Deactivation

- Completed installation of the new Potable Water Distribution System
- Completed Deactivation of 32 facilities ahead of schedule
- Completed removal of Fuel Spacers from Silo's ahead of schedule (TPA)

100NR-N Springs

- Completed construction/startup of the N Springs Pump & Treat System
- Initiated 24 hour operations at N Springs Pump & Treat
- Completed mockup operations prior to drilling for crib characterization (drilling on hold pending readiness assessment)
- Completed test phase for installation of barrier wall



**Accomplishments
(10/1/94 - 9/30/95)**

Demolition - 190-D Complex & 1724-D

- Completed 190-D Building Complex decon
 - Completed Asbestos removal
 - Completed Sodium Dichromate removal
 - RAD and hazardous waste decon complete
 - Removed Pressurizer from NPR Loop
 - Completed mercury and lead decontamination
 - IU completed
 - Explosive demo complete
 - Salvage complete
 - Decon/demo of below-grade structures initiated

183-H Solar Evap. Basins

- Issued Final Closure Proposal to regulators
- Completed decontamination
- Initiated demolition
- Sampling plan approved by regulators

Demolition

- Demolished (9) surplus facilities plus 190-D Complex
 - 1101-N
 - 1102-N
 - 1701-FA
 - 1701-DR
 - 1250*
 - 1241*
 - 1240*
 - 1252*
 - 3703**

Risk Assessment/Upgrades

- Complete electrical systems upgrades
- Completed 105-D and 105-DR roof replacement
- Awarded contract for roof replacement at 105F and 105H
- Complete requirements of 10 CFR835 for all buildings

190-C Process Water Pump House

- Completed characterization and Project Plan
- Insulation removal completed

River EFF Pipelines

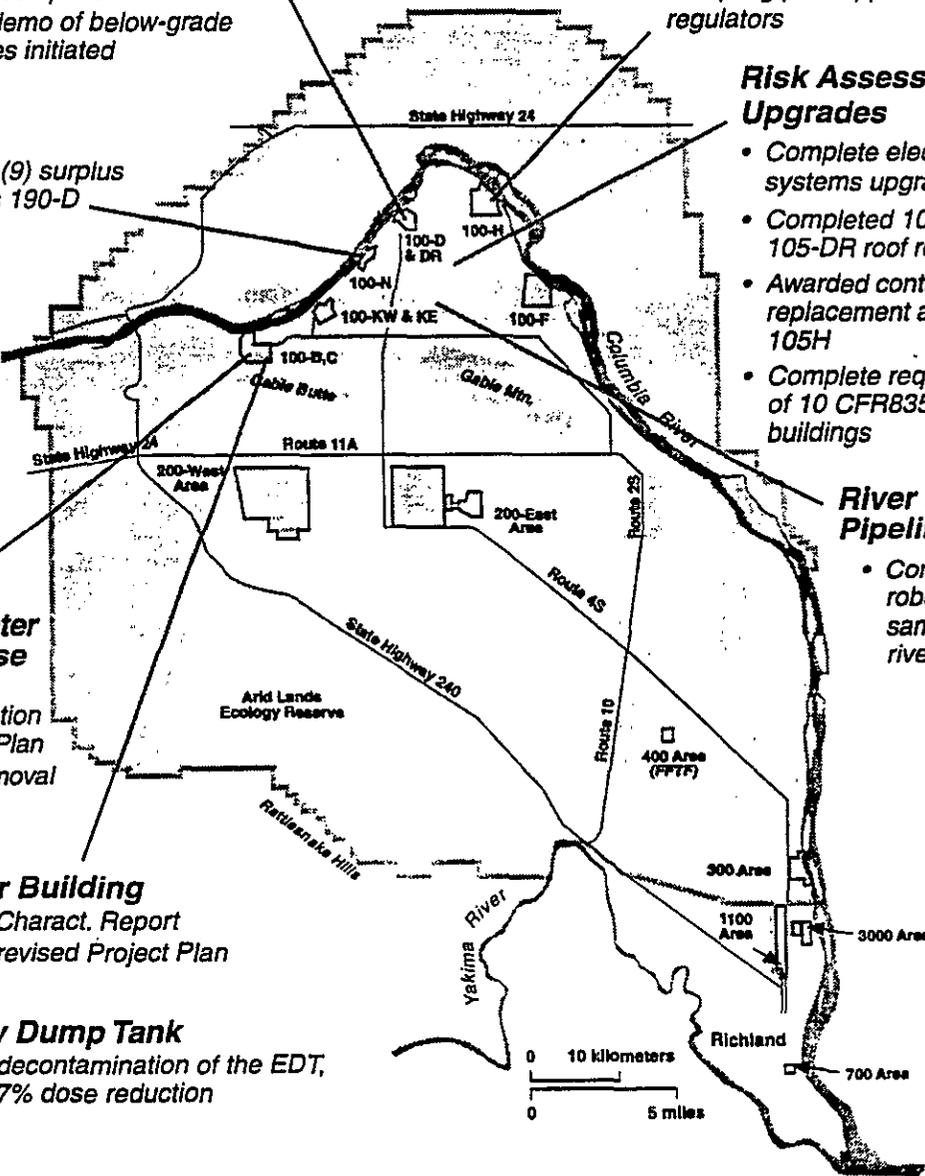
- Completed robotic field sampling of two riverlines

183-C Filter Building

- Completed Charact. Report
- Completed revised Project Plan

***Emergency Dump Tank**

- Completed decontamination of the EDT, achieving 97% dose reduction



* 3000 Area ** 300 Area

Reactor Engineering

- Issued 105-D museum feasibility study
- Completed CDR, FDC and PMP to Decommission the Surplus Reactors
- Completed Characterization of 105-C
- Initiated preliminary eng. contract of 105-C cocoon concept

Surveillance and Maintenance

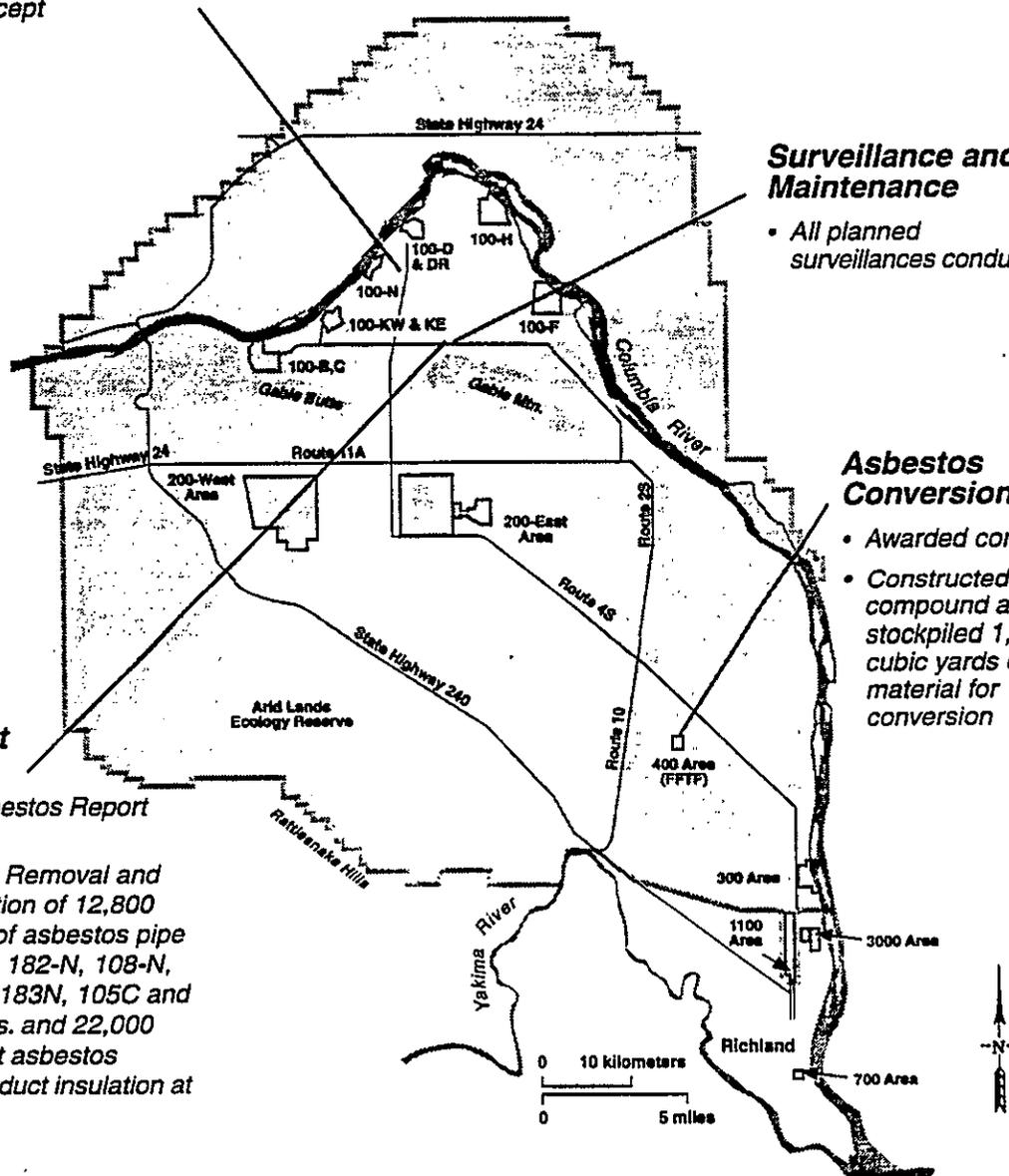
- All planned surveillances conducted

Asbestos Conversion

- Awarded contract
- Constructed compound and stockpiled 1,100 cubic yards of material for conversion

Asbestos Abatement

- Submitted Annual Asbestos Report to CAA
- Completed Removal and Encapsulation of 12,800 linear feet of asbestos pipe at 105-DR, 182-N, 108-N, and 163N/183N, 105C and 109N Bldgs. and 22,000 square feet asbestos containing duct insulation at 105C



**Accomplishments
(10/1/94 - 9/30/95), Continued**

Surveillance and Maintenance

- Awarded contract for remote monitoring equipment and revised surveillance frequencies
- All planned surveillances conducted
- Upgraded motor control center in 291U Exhaust Fan Control Building

***233-S PU
Concentration Facility**

- Received Approval from DOH for the Notice of Construction
- Completed D & D Preparation
- Decon/Stabilized 80% of the 3200 sq. ft. facility
- Completed NDA surveys of process hood & associated process areas

***200 Area
Facilities**

- Completed raw and sanitary water isolation at 202S, 221-U, 224B, 224-U buildings
- Upgraded motor control center in 291U

UO₃ Plant

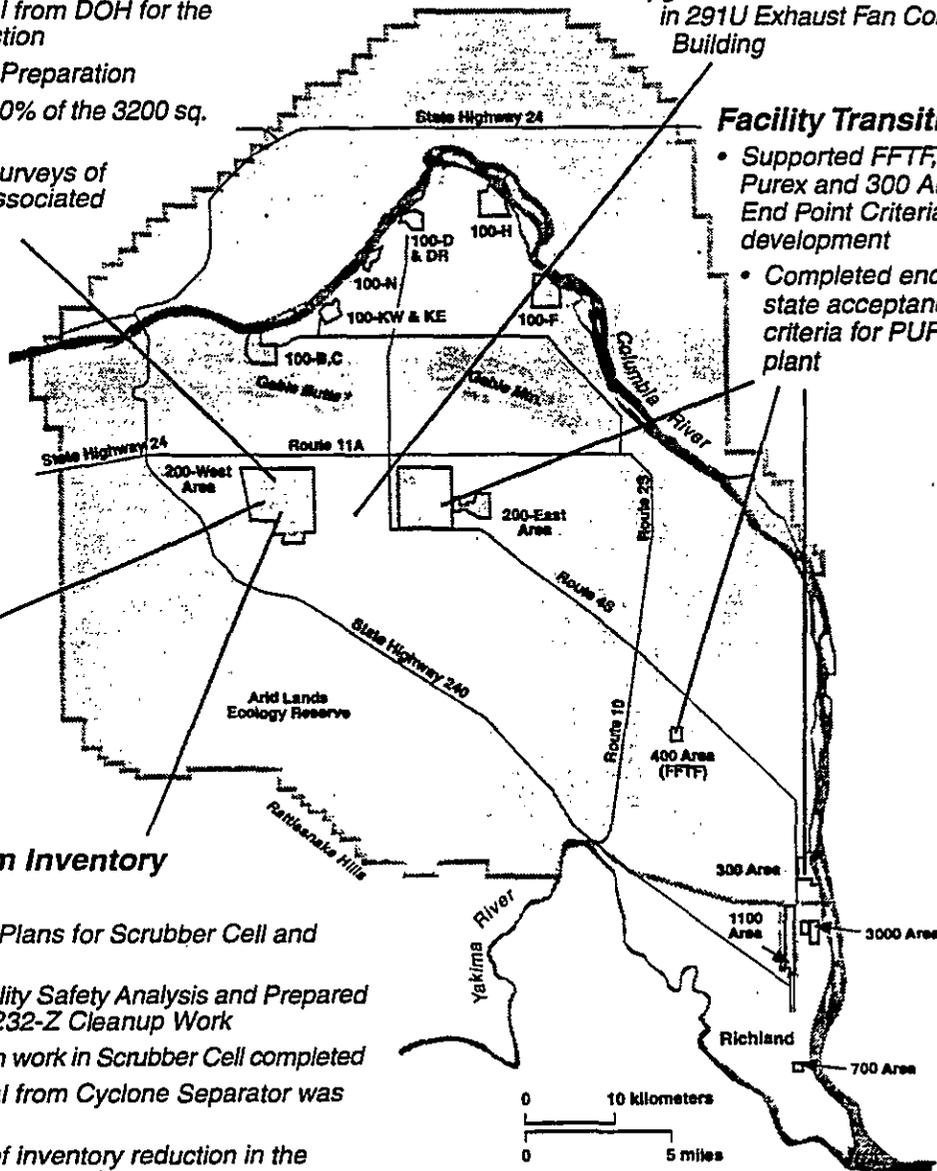
- Accepted into Environmental Restoration D&D Project

**232-Z Plutonium Inventory
Reduction**

- Completed Work Plans for Scrubber Cell and Incinerator
- Completed Criticality Safety Analysis and Prepared Specification for 232-Z Cleanup Work
- Inventory reduction work in Scrubber Cell completed
- Asbestos removal from Cyclone Separator was completed
- Completed 90% of inventory reduction in the incinerator (process room)

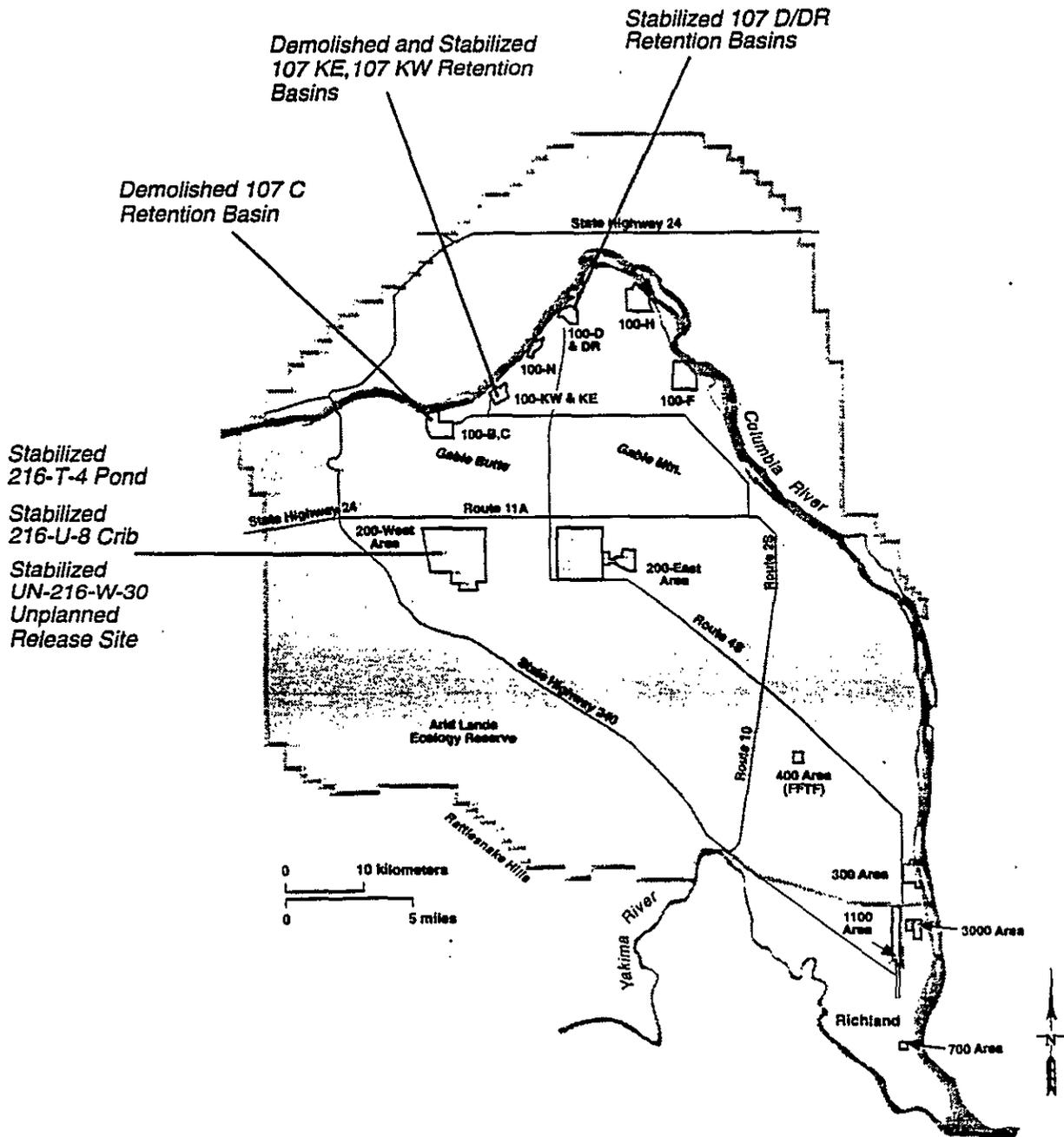
Facility Transition

- Supported FFFF, Purex and 300 Area End Point Criteria development
- Completed end state acceptance criteria for PUREX plant



* Funding constraints stopped all physical

**Accomplishments
(10/1/94 - 9/30/95)**



Fiscal Year 1996 Planned Physical Progress Remedial Actions

100 Area

- Support RL on the completion of the 100-BC-1 Interim Action Record of Decision
- Excavate, package, and store 13,000 LCYs of soil from 116-C-1 Liquid Effluent Trench and complete the excavation of the 116-B-4 French Drain
- Complete Remedial Action Design for the six sites at 100-BC-1 (116-B-1, 116-B-11, 116-B-13, 116-B-14, 116-C-1 and 116-C-5); two sites at 100-DR-1 (116-D-1A and 116-D-1B); and one site at 100-HR-1 (116-H-1)
- Initiate remedial actions for 100 BC-1, HR-1, DR-1 ROD
- Initiate Remedial Action Design for the remaining sites in the 100-BC-1
- Prepare and submit Remedial Design Report for 100 BC-1, HR-1, DR-1 ROD
- Prepare and submit Remedial Action Work Plan for 100 BC-1, HR-1 & DR-1 ROD
- A Remedial Action Subcontract will be awarded

100-HR-1 & DR-1

- Remedial Design - includes remedial design up to procurement of a remedial action subcontractor for Group 2 high priority liquid waste disposal sites

100-HR-2, BC-2, DR-2, FR-1 & 2, KR-1 & 2

- FFS and PP - respond to Regulators comments on Draft A; revise documents, issue Rev 0; support public review process and issue ROD

100-IU-2 and 100-IU-6

- Focus Package/Streamlined Focus Feasibility Study on Proposed Plan - includes preparation of a combined streamlines FFS, which includes the LFI, QRA, and FFS. It will conclude with preparation of a combined proposed plan for Public Review

100 Area NPL Common

- FFS/PP for 100 Area Remaining Sites - prepare a FFS and PP for the 100 Area high and low-priority waste sites that are not already in existing documentation for 100 Area source operable units
- Burial Ground Strategy - a strategy for alternative approaches addressing burial grounds

200 Area

BP-11

- Resolve comments with Regulators and Public on RI Work Plan

BP-2

- Continues Barrier monitoring of Issues final report

300 Area

300-FF-1 & FF-5

- Resolve comments with Regulators and the public on the combined proposed plan
- Support Regulator preparation for RODs for both 300-FF-1 and 300-FF-5

- A Remedial Design subcontract will be awarded and Remedial Design will be completed for the 618-5 burial ground and the liquid and landfill waste management units

- Prepare construction bid packages, award a Remedial Action subcontract and initiate Remedial Action for the liquid and landfill waste management units

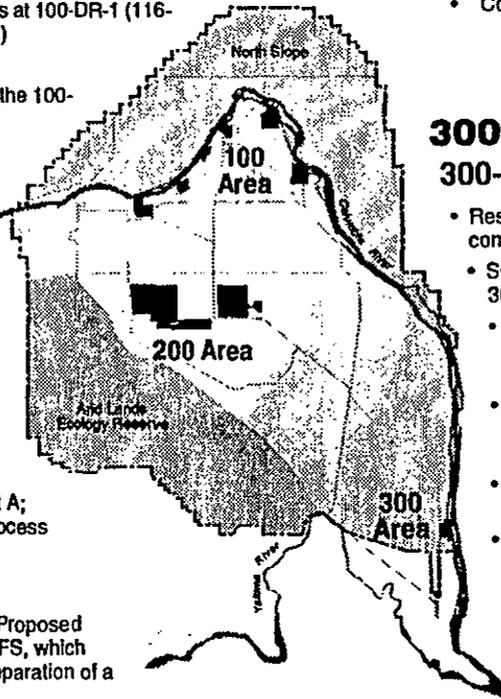
- Continue periodic radiation surveys of the waste sites in the operable units to assure that contamination does not spread

- Complete and issue the Operating and Maintenance (O&M) Plan
 - O&M activities will be implemented per long-term surveillance and maintenance

300-FF-2

- Continue the LFI work plan review cycle and issue an approved Rev 0

- Complete data analysis for non-intrusive surface investigations
- Prepare a draft interim proposed plan for high priority sites and issue the plan to the Regulators



Fiscal Year 1996 Planned Physical Progress 1100 Area/North Slope

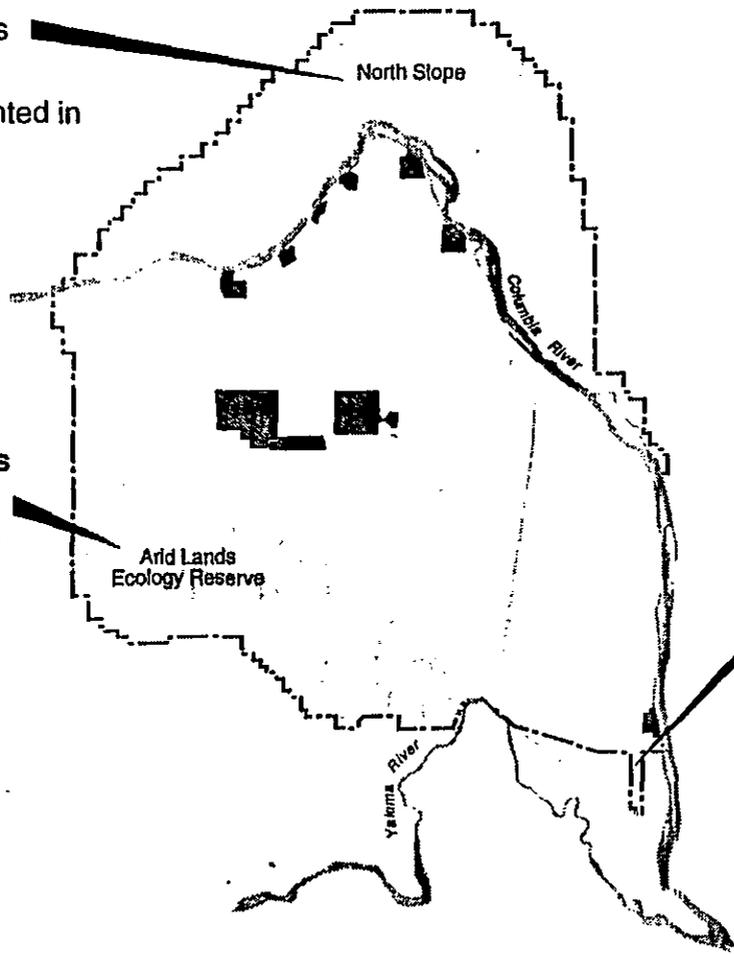
North Slope

- Complete Revegetation efforts
 - Two small sites seeded
 - 25,000 sagebrush transplanted in burned area

ALE

M-16-05A-T3

- Complete Revegetation efforts
 - Transplant native grasses at Horseshoe Landfill and Nike sites



1100 Area

M-16-05A-T3

- Complete Revegetation of HRL M-16-05A
- Complete Final Closure Report (includes ALE)
- Monitor Revegetation for success criteria

Fiscal Year 1996
Planned Physical Progress
100 Area Groundwater

100-KR-4

- Update Conceptual Site Model
- Perform Semi-annual Groundwater Monitoring
- Support Public Review Process for Proposed Plan
- Complete Conceptual and Preliminary IRM Design for 220gpm extraction systems IX treatment system, and injection system
- Perform numerical modeling to support IRM design

100-HR-3

- Update Conceptual Site Model
- Perform Semi-annual Groundwater Monitoring
- Support Public Review Process for Proposed Plan
- Complete IRM Design for Pump and Treat Systems at H and D reactor areas
- Procure, Construct and Start-up Pump and Treat System (H Area)
- Procure, Construct and Start-up Pump and Treat System (D Area)
- Conduct River Substrate Sampling and Groundwater Discharge Monitoring
- Perform Numerical Modeling to support IRM
 - Drill seven new wells, 60 piezometers and refurbish ten existing wells in support of Pump and Treat systems

100-BC-5

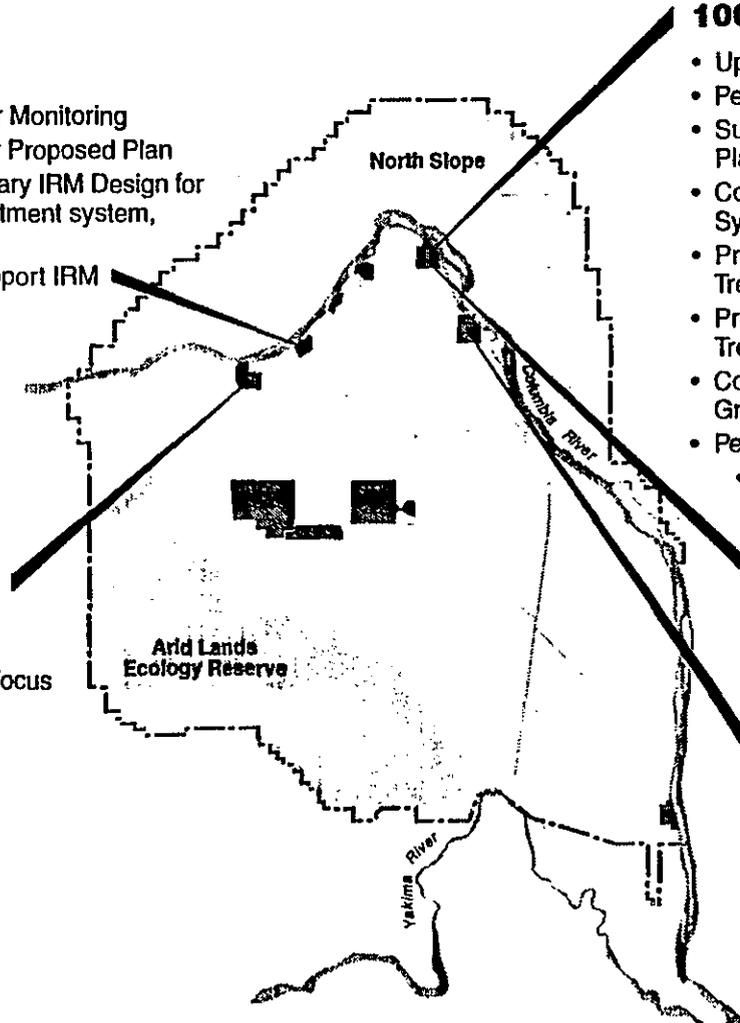
- Update Conceptual Site Model
- Perform Semi-annual Groundwater Monitoring
- Support Public Review Process for Focus Sheet

100-NPL Common

- Conduct In-situ Phosphate Treatability Study
- Conduct Redox Manipulation Treatability Study

100-FR-3

- Perform Semi-annual Groundwater monitoring
- Update Conceptual Site Model
- Submit FFS and Focus Sheet to EPA/Ecology



Fiscal Year 1996
Planned Physical Progress
200 Area Groundwater

200 West Area

200-UP-1

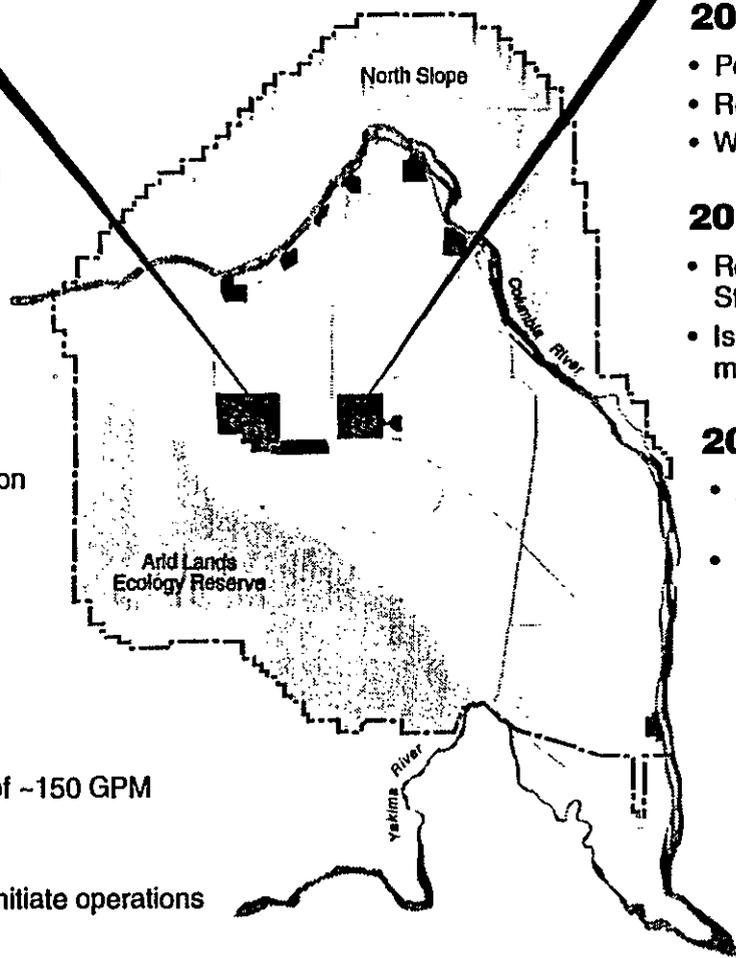
- Develop/Submit LFI Report
- Revise/Submit IRM Proposed Plan based on public comments
- Develop/Submit Phase II Design Report
- Drill two new IRM wells
- Complete Phase II upgrades
- Continue operating existing system

200-ZP-2

- Continue operating Vapor Extraction Systems
- Install six passive VES
- Drill one new well
- Waste disposal

200-ZP-1

- Perform Groundwater monitoring
- Construct and initiate operation of ~150 GPM Treatment System
- Drill 13 new wells
- Design, construct, upgrade and initiate operations to ~300 to 500 GPM System



200 East Area

200-BP-5

- Perform annual Groundwater monitoring
- Respond to comments on TT Report
- Waste Disposal

200-NPL Common

- Respond to comment on Groundwater Studies and I-129 Report
- Issue RCRA/CERCLA groundwater monitoring program final report

200-PO-1

- Revise and issue Groundwater Strategy Document
- Issue RFI and CMS Reports

Fiscal Year 1996 Planned Physical Progress N Reactor

N Area Project

- Implement the DOE Voluntary Protection Program (VPP)
- Efficiently drive the Project toward a six month early completion date - 4/1/97

Emergency Dump Basin

- Homogenize, sample and analyze sediment
- Remove sparger and sediment and ship for disposal
- Dewater basin
- Stabilize surfaces
- Install protective cover

N Basin

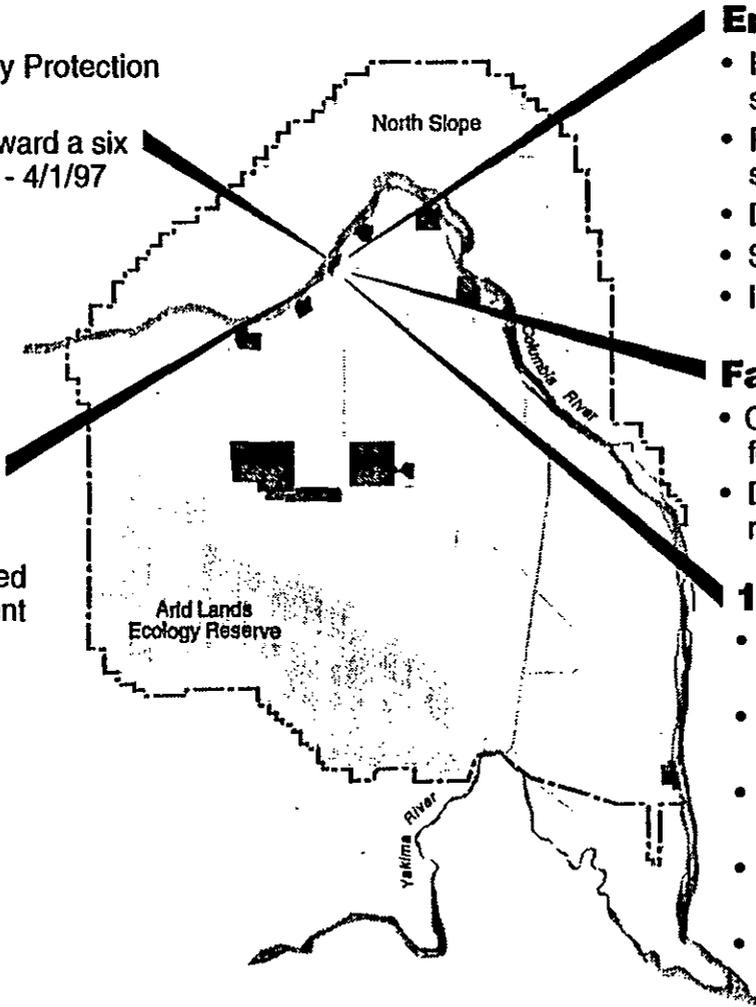
- Complete both low and high dose hardware removal
- Initiate and complete the operation of Remotely Operated Sediment Extraction Equipment (ROSEE)
- Confirm sediment removal/disposal method through the Data Quality Objective (DQO) process
- Initiate water removal

Facility Deactivation

- Complete turnover/closeout packages for all previously deactivated facilities
- Deactivate 24 facilities (only 11 will remain for deactivation in FY 97)

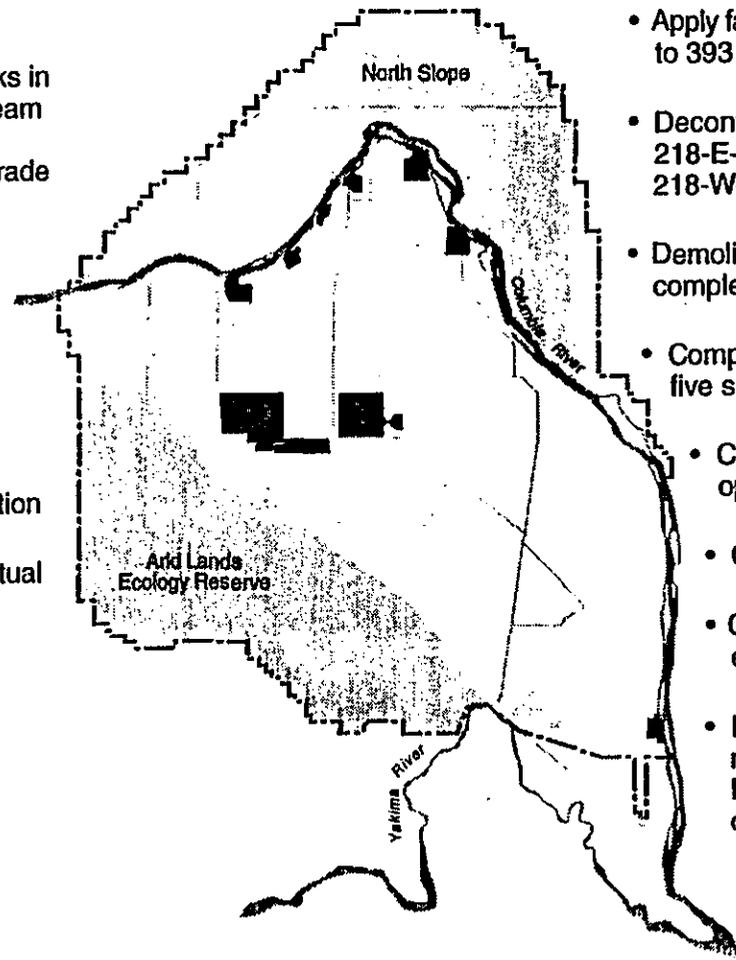
100 NR-Springs

- Complete crib characterization and issue LFI/QRA report
- Continue 24 hour operations at Pump and Treat
- Issue monitoring program consolidation report
- Issue report on effectiveness of Pump and Treat operations
- Install in situ treatment curtain



Fiscal Year 1996 Planned Physical Progress D&D

- Complete 190C Project Plan and initiate field activities to complete radiological decontamination and final surveys
- Remove sodium dichromate tanks in the 183C Pump Room, ACM Steam Piping/Lagging and associated components. Complete above grade structural steel demolition
- Decontaminate 189-D tunnel. Complete subgrade demolition and site restoration
- Complete riverline EE/CA for 100B and 100D/DR
- Complete 232-Z inventory reduction
- Complete 105C Cocoon Conceptual design



- Conduct routine surveillance and maintenance inspections
- Apply fall residual/selective herbicide application to 393 inactive waste sites
- Decontaminate and stabilize 126-F-1 Ash Pit, 218-E-12A Burial Ground, 218-E-7 Vault, and 218-W-8 Vault
- Demolish 183-H Basin interior walls, floors, and complete physical closure activities
- Complete high priority asbestos removal at five sites
- Complete mobilization and initiate operation of the Asbestos Conversion Unit
- Complete 105F and H roof repairs
- Complete installation of remote monitoring equipment at REDOX and U-Plant
- Initiate long term surveillance and maintenance actions for 300-FF-5, 1100-EM-1, 1100-EM-3 and 1100-IU-1 operable units (ads 3800)

Fiscal Year 1996 Planned Physical Progress RARA

Overall:

Perform routine inspections, radiological surveys and fall residual/selective herbicide application to 393 inactive waste sites, including eight RCRA TSD units

Installation of barrier fence to the 100-K flood plain area

Dispose of scrap metal from 107-K Basins in ERDF

North Slope

Interim stabilization of 126-F-1 Ash Pit

Interim stabilization of 218-E-7 Vault

Interim stabilization of 218-W-8 Vault

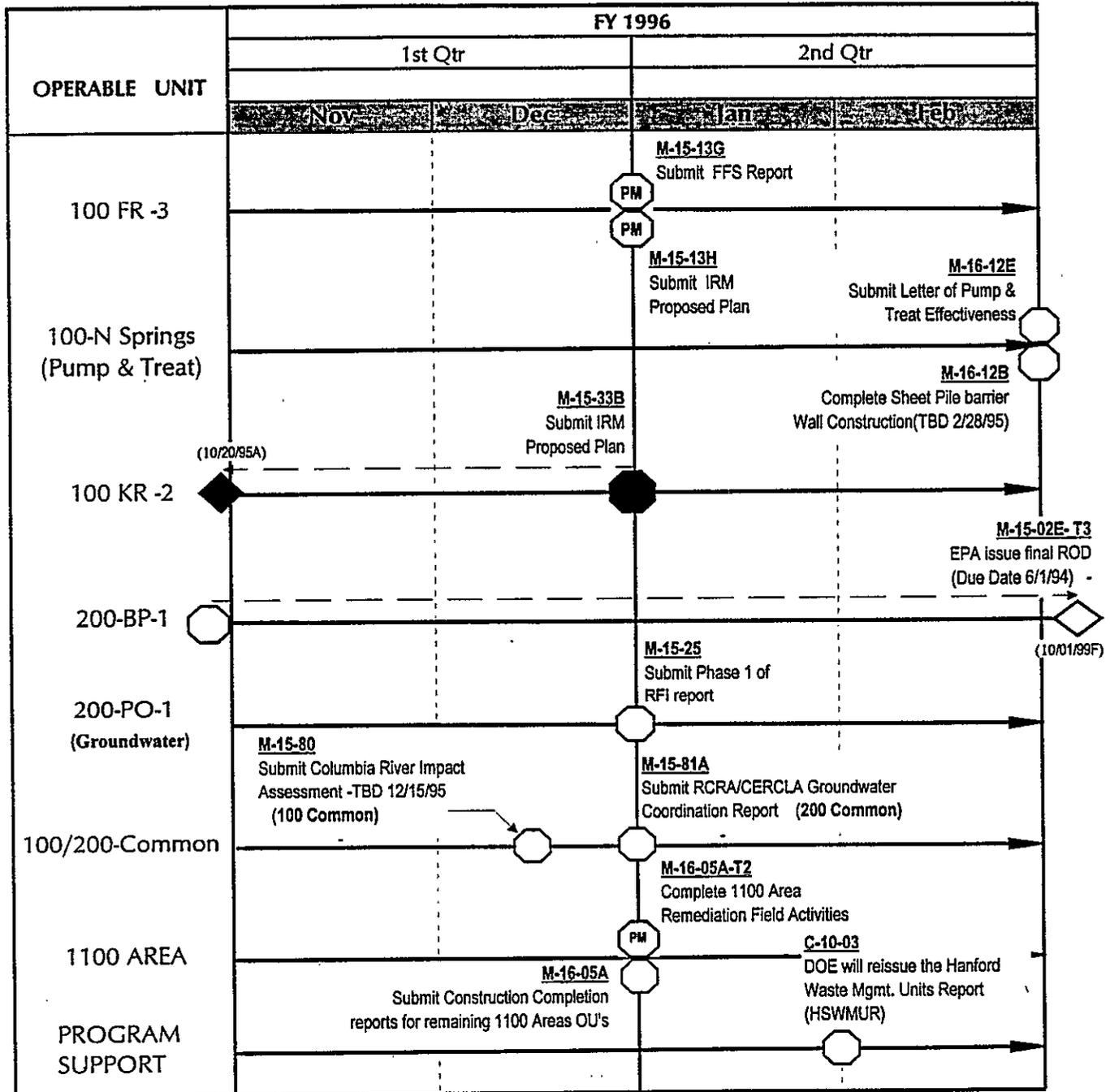
Arid Lands Ecology Reserve

Interim stabilization of 218-E-12A Burial Grounds

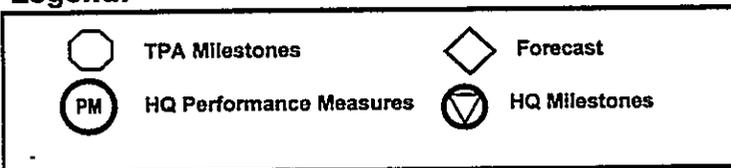
Yukon River

Columbia River

TPA Quarterly Review (November 95)



Legend:



Issue	Impact	Corrective Actions
<ul style="list-style-type: none"> ◆ Regulator / public acceptance for 300-FF-1 Proposed Plan and tight schedule for integrating RCRA/CERCLA process 	<ul style="list-style-type: none"> ◆ Delay in submitting proposed plans for public review & subsequent issuance of IROD. ◆ Delays in the start of Remedial Design. 	<ul style="list-style-type: none"> ◆ Regulators. Tentative agreement has been reached on a clean-up standard for Uranium (350 pCi/ga). ◆ The proposed plan has been re-drafted, combining 300-FF-1 and 300-FF-5 into a single document.
<ul style="list-style-type: none"> ◆ 100 Area ROD strategy. The TPA currently calls for preparing Focused Feasibility Studies and Interim Remedial Measures (IRM) Proposed Plans for each Operable Unit in the 100 area. ◆ By having combined RODs would save money which could be better used in the overall ER effort. 	<ul style="list-style-type: none"> ◆ The results of multiple documents that are essentially the same in format and content which go through the Regulator and Public review process are causing additional costs in preparation and time delays for achieving a ROD for each Operable Unit. 	<ul style="list-style-type: none"> ◆ A new ROD strategy is being developed that would combine all remaining 100 Area waste sites into three RODs addressing the following: <ol style="list-style-type: none"> (1) All remaining Liquid Waste Disposal and Miscellaneous waste sites. (2) All Solid Waste Burial sites. (3) Waste sites at the Hanford and White Bluffs townsites.
<p>200-BP-11 Change Request #95-082 removes funding associated with characterization of 200-BP-11 OU as outlined in the approved FY 1995 Fiscal Year Work Plan and draft B of the 200-BP-11 OU. The change request deferred all work indefinitely. Ecology issued a letter August 30, 1995 initiating dispute resolution to establish 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. Ecology issued a letter 10/26/95 referring the dispute to the (IAMIT) Inter Agency Management Integration Team for further consideration and recommending that characterization be accelerated. The rationale identified is to support industrial re-use of the area for potential siting of facilities such as being planned by the (TWRS) Tank Waste Remediation System.</p>	<ul style="list-style-type: none"> ◆ If 200-BP-11 work scope cannot be deferred, then other higher priority remedial action, identified in the (Draft Long Range Plan), in the 100 - 300 Areas will have to be delayed to obtain funding. 	<ul style="list-style-type: none"> ◆ ERC will continue to work with DOE-RL and Ecology to develop an acceptable schedule and evaluate impacts. A meeting is scheduled with the (IAMIT) Inter Agency Management Integration Team to resolve this issue.

Issue	Impact	Corrective Actions
<ul style="list-style-type: none"> ◆ TPA Milestones "at Risk" based on draft FY 1996 - FY 1998 funding guidance to projects, as discussed with EPA and Ecology on 7/31/95 and 8/14/95. ◆ M-16-12B, Complete installation of a modified barrier wall for N-Springs (Scope / schedule to be determined 2/28/96 based on evaluation of effectiveness of pump-and-treat at N-Springs). ◆ M-16-01A, Submit necessary 100-N Area D&D NEPA documentation for public review, due 6/30/97. ◆ M-13-11, Submit 200-PO-2 RFI/CMS closure/Postclosure Workplan, due 6/30/98. ◆ M-20-33, Submit 216-A-10 crib and 216-A-36B crib closure/Postclosure plan, in coordination with 200-PO-2 Workplan, due 6/30/98. 	<ul style="list-style-type: none"> ◆ Missed milestones due to lack of funding for Environmental Restoration. 	<ul style="list-style-type: none"> ◆ Process change requests, as appropriate, to adjust milestone schedules in line with funding levels and agreed upon work priorities.

FY 1995 Cost & Schedule Performance and Variance Summary
Work Breakdown Structure
(For Performance Graphs)

Remedial Actions

ADS - 3010	RARA / USTs
ADS - 3020	RCRA Closures
ADS - 3100	100 - DR Operable Unit
ADS - 3105	100 - BC Operable Unit
ADS - 3110	100 - KR Operable Unit
ADS - 3115	100 - FR Operable Unit
ADS - 3120	100 - HR Operable Unit
ADS - 3125	100 - NR Operable Unit
ADS - 3200	200 - BP Operable Unit
ADS - 3210	200 - PO Operable Unit
ADS - 3230	200 - UP Operable Unit
ADS - 3235	200 - ZP Operable Unit
ADS - 3300	300 - FF Operable Unit
ADS - 3390	1100 - EM Operable Unit

Disposal Facilities

ADS - 3700	Disposal Facilities
------------	---------------------

N-Area Deactivation

ADS - 3600	N - Reactor
------------	-------------

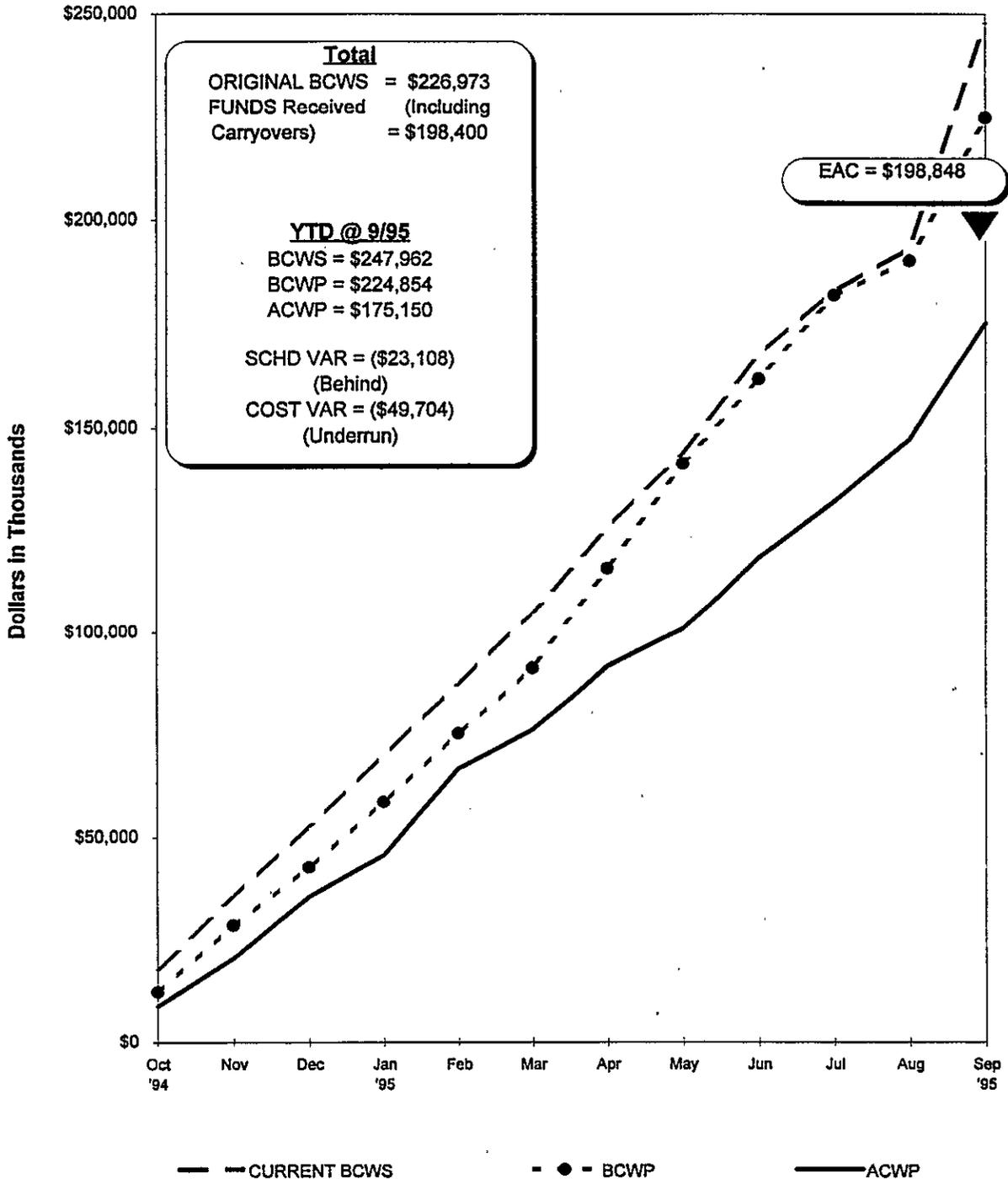
D & D

ADS - 3500	Asbestos Abatement
ADS - 3510	100 Area D&D
ADS - 3520	200 Area D&D

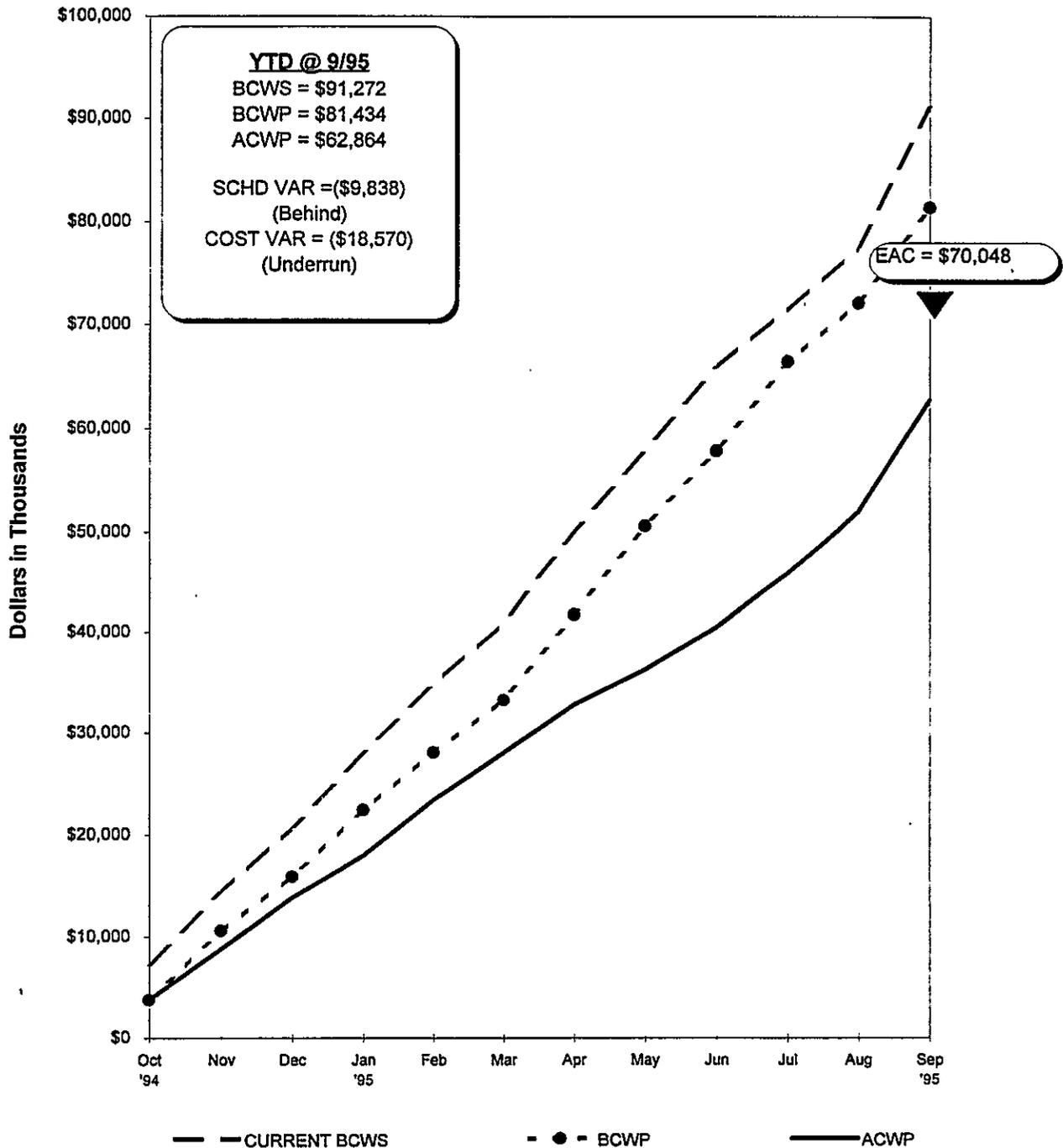
Support Projects

ADS - 3400	Program Support - BHI
ADS - 3410	Program Support - RL, USACE, PNL

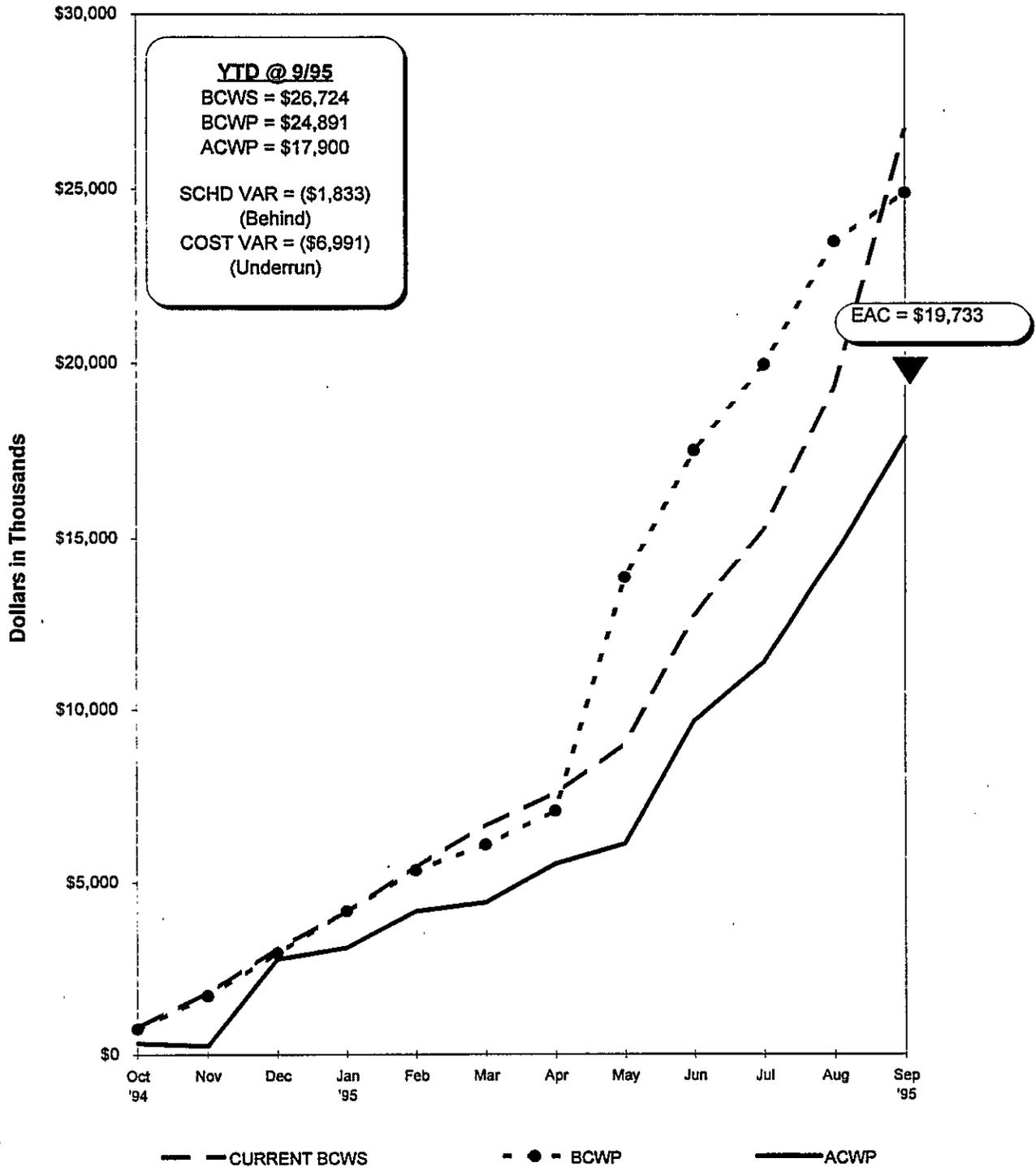
FY 1995 Total ER Performance Summary



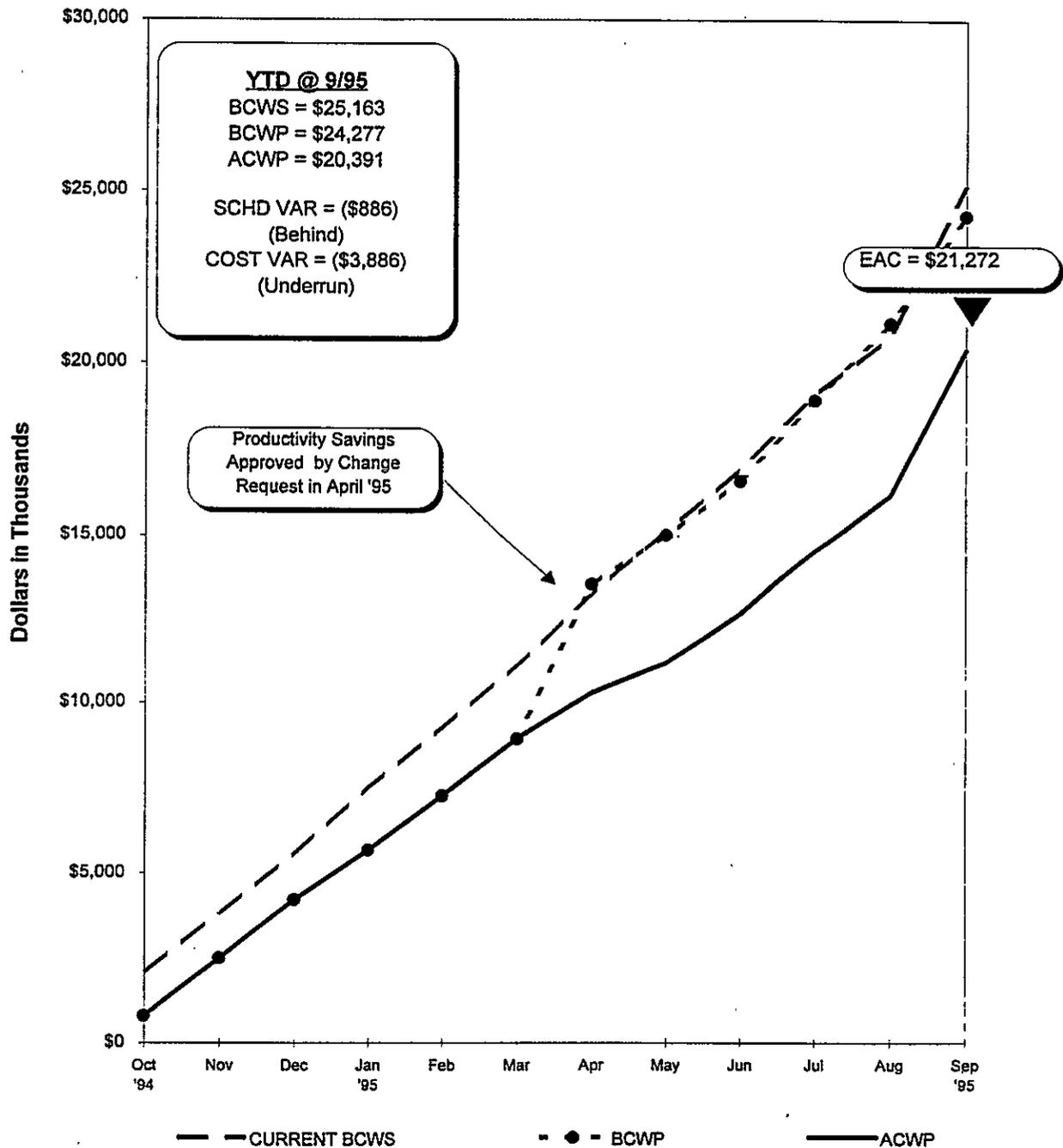
FY 1995 Remedial Actions Performance



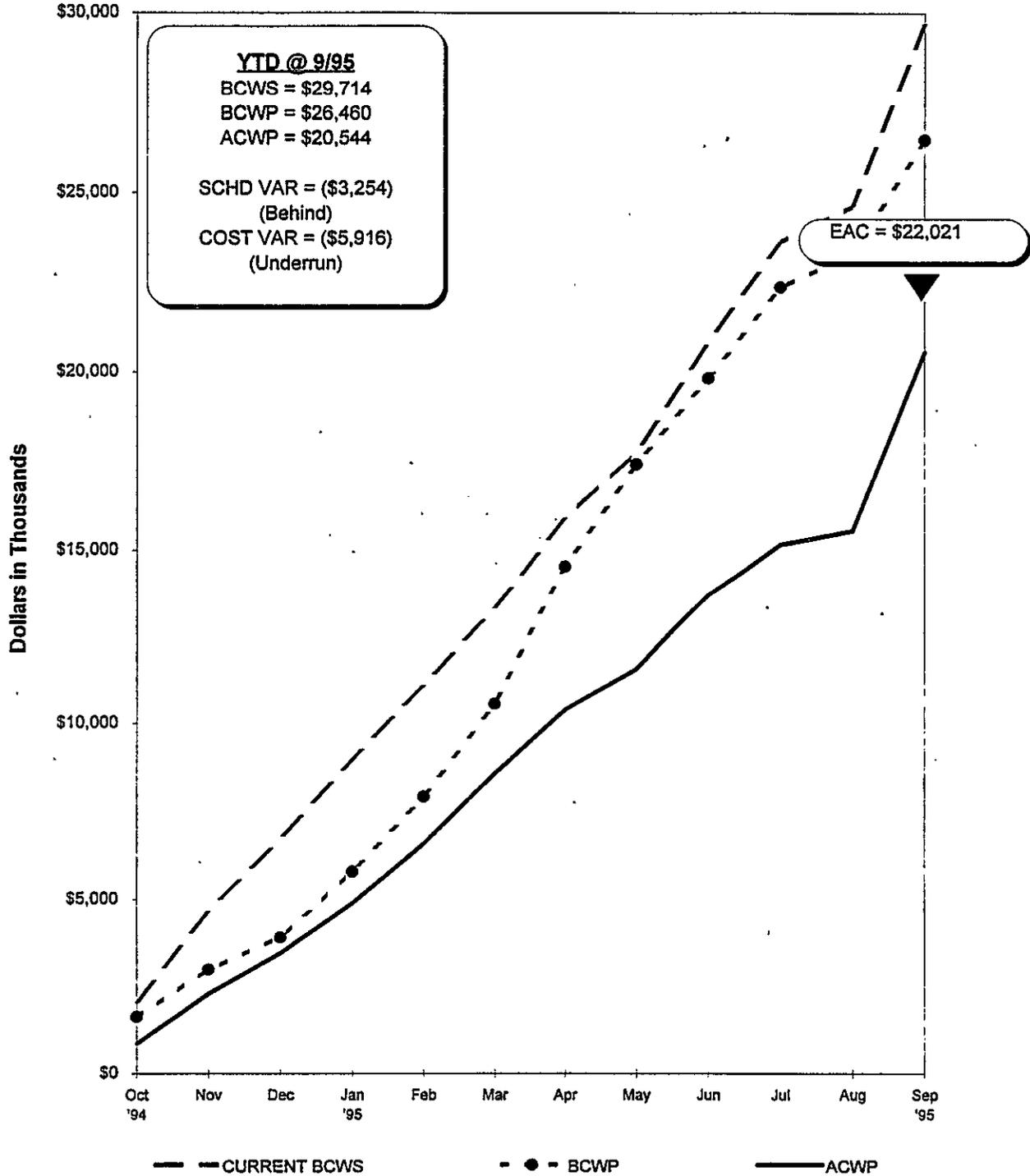
FY 1995 ERDF Performance



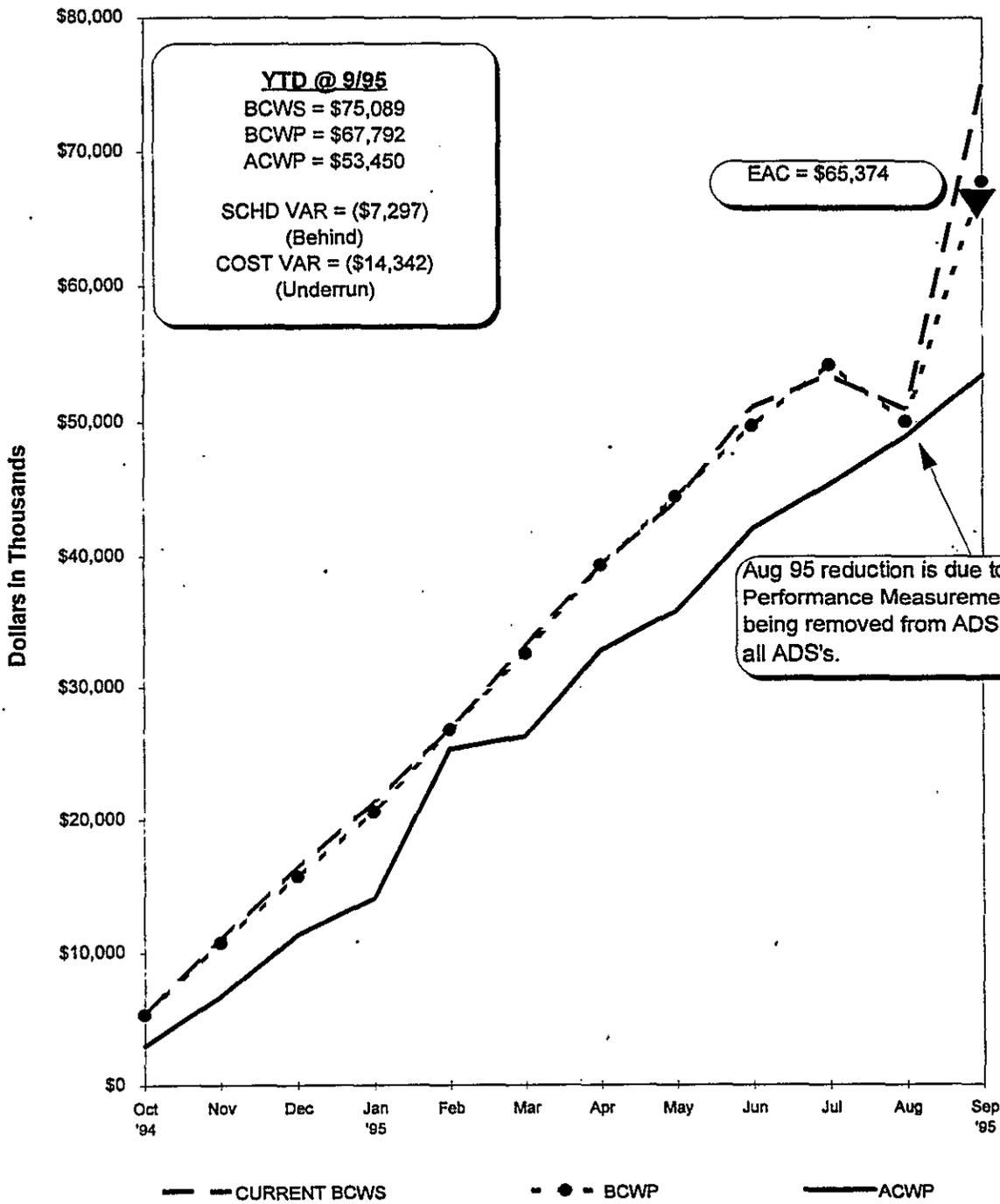
FY 1995 100N - Area Deactivation Performance



FY 1995 D & D Performance



FY 1995 PM&S Performance



ER Project Summary

FY 1995 Cost / Schedule Variance Summary

Schedule Variances (>\$500 thousand @ ADS Level):

Operable Unit / \$ Variance (000's)	Description & Cause
ADS 3105 100-BC	◆ 116-C-1 excavation not completed in FY 95 - to be completed in FY96
ADS 3125 100-NR	◆ Crib Characterization work was deferred to FY96
ADS 3235 200-ZP-1	◆ 200-ZP-1A Treatment system not being procured as originally scheduled . ◆ Data validation and verification and disposal from 200-ZP-1 round two groundwater sampling were not completed as planned.
ADS 3300 300-FF	◆ Inability to complete the Phase III Feasibility Study and Proposed Plan has delayed the start of Remedial Design
ADS 3510 100 Area D&D	◆ Late award of contracts for 105-F&H Roof repairs, 105-C Cocooning (CDR), 202-S Canyon Bldg., 221-U Canyon Bldg. and 212-R Transfer Bay Area Roofs
ADS 3520 200 Area D&D	◆ NEPA documentation and preparation of the 232-Z decommissioning have been placed on hold due to discovery of additional inventory in the incinerator glovebox. Workscope was changed from decommissioning to inventory reduction. Late award of Remote Monitoring contract for REDOX and U Plant.
ADS 3700 ERDF	◆ The ERDF negative shedule variance is due to delays in liner material deliveries and admix placement.
ADS 3400 Program Mgmt & Support	◆ Encumbrances for material s/c's and commitments delivered or to be completed in FY 1996. ◆ HEIS, HGIS, WIDS and SDMS hardware and software upgrades and integration ◆ Aerial photography contract of the 100 Area ◆ Encumbrances related to the Phase II Voluntary Reduction in Force ◆ Electronic Data Management System contract was not awarded in FY 1995 ◆ Encumbrances for work stations

Cost Variances (> \$500 thousand @ ADS Level):

Operable Unit / \$ Variance (000's)	Description & Cause
ER Project Productivity Savings	◆ The ER project continues to aggressively seek out better and cheaper ways to accomplish work with cost savings. Through 9/95, \$49.7 million of hard and soft productivity savings have been documented and approved.

ER Project Summary

Cost Variances - Cont'd (> \$500 thousand @ ADS Level):

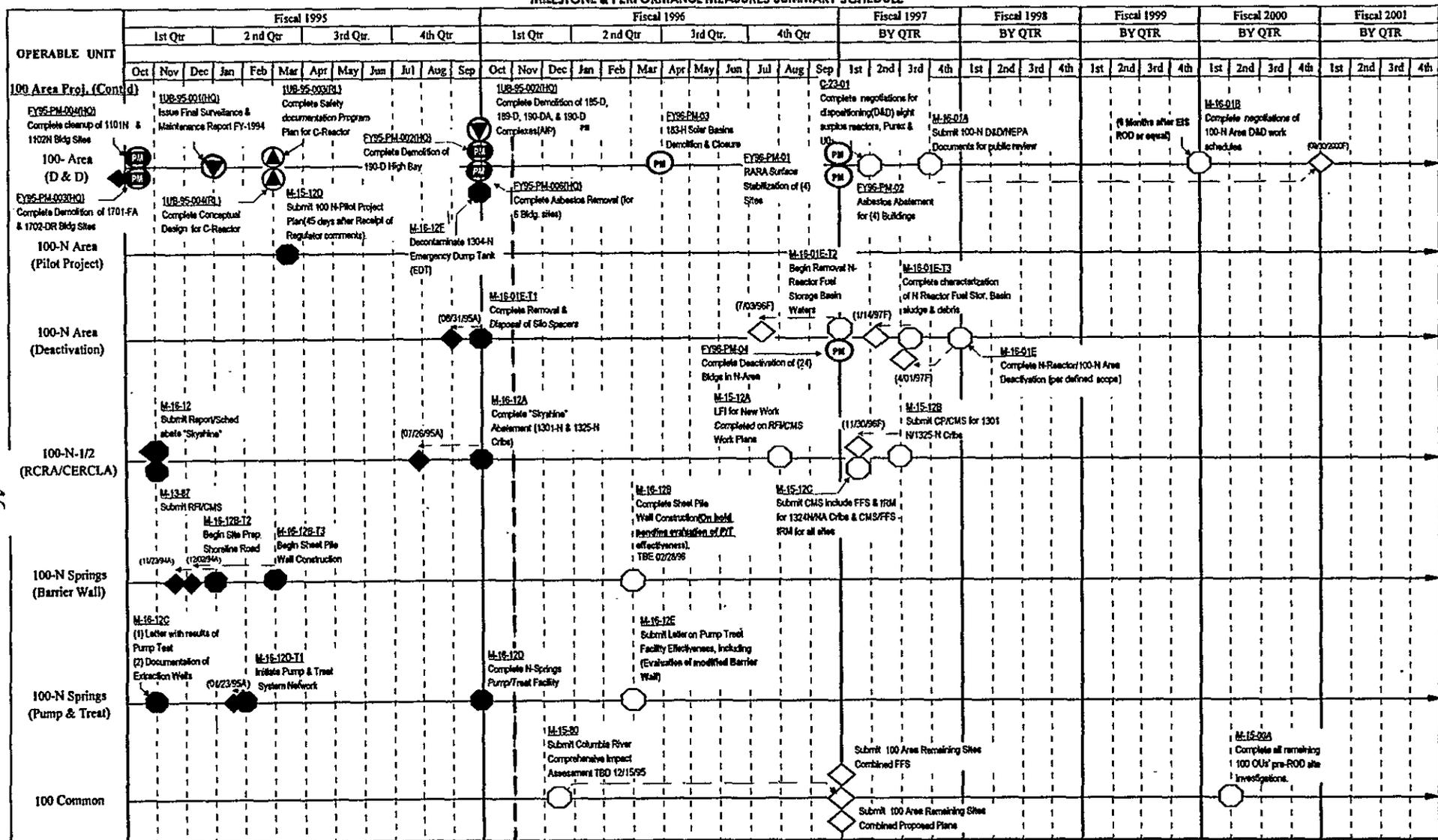
Operable Unit / \$ Variance (000's)	Description & Cause
ADS 3010 RCRA Closures	<ul style="list-style-type: none"> ◆ Productivity/efficiencies through improved technical approach and utilization of HAMTC labor resources compared to a baseline subcontractor plan.
ADS 3100 100-DR	<ul style="list-style-type: none"> ◆ Lower production costs of DR-2 FFS and Proposed Plan documents due to established content and format. ◆ Reduced oversight direct support due to streamlining and reorganization.
ADS 3105 100-BC	<ul style="list-style-type: none"> ◆ Implementing lessons learned on 118-B-1 field activities ◆ BC-5 due to replacement of the Proposed Plan with a Focus sheet.
ADS 3110 100-KR	<ul style="list-style-type: none"> ◆ Lower LFI costs due to using the DQO process on KR-2 proposed sites. ◆ Reduced oversight direct support due to streamlining and reorganization. ◆ Lower document production costs for KR-1 FFS and Proposed Plan by having an established content and format and using in house staff. ◆ Lab analysis at 222-S Lab no longer required.
ADS 3115 100 -FR	<ul style="list-style-type: none"> ◆ Through soil analysis the planned TCE wells would not be necessary for FR-3. ◆ Reduced oversight direct support due to streamlining and reorganization.
ADS 3120 100-HR	<ul style="list-style-type: none"> ◆ Implementing lessons learned from past operations in the HR-3 treatability studies. ◆ Charges have not been received from WHC for Sandia Lab work on In Situ flowmeter. ◆ Reduced oversight direct support due to streamlining and reorganization.
ADS 3125 100-NR	<ul style="list-style-type: none"> ◆ Early completion of the N-Springs pump-and-treat construction phase and Distributable rate underruns
ADS 3200 200-BP	<ul style="list-style-type: none"> ◆ The I-129 Iodine and GW reports comment and review cycles took less effort than planned. ◆ Project support requirements less than planned.
ADS 3230 200-UP	<ul style="list-style-type: none"> ◆ Reduced oversight direct support due to streamlining and reorganization
ADS 3235 200-ZP	<ul style="list-style-type: none"> ◆ Project support and waste disposal costs were less than planned for ZP-2. ◆ Operational efficiencies for ZP-2
ADS 3300 300-FF	<ul style="list-style-type: none"> ◆ Reduced oversight direct support due to streamlining and reorganization ◆ Streamlining of work and use of the DQO process which resulted in a significant productivity savings.
ADS 3510 100 Area D&D	<ul style="list-style-type: none"> ◆ Productivity savings on surveillance and maintenance, 183-C characterization, 100-D island cleanup, 105-F & H roof repairs, 190-D complex demolition. ◆ Lower than estimated values for maintenance support, design engineering, roof replacement projects, electrical upgrades and access control.

ER Project Summary

Cost Variances Cont'd (> \$500 thousand @ ADS Level):

Operable Unit / \$ Variance (000's)	Description & Cause
ADS 3520 200 Area D&D	<ul style="list-style-type: none">◆ Suppliers of protective coverings (masks) at the 233-S Pu Concentration Facility.◆ Implementation of provisional billing rates.
ADS 3600 100-N Deactivation	<ul style="list-style-type: none">◆ Distributable rate underruns, efficiency in project support activities, facility compliance and facility deactivation.◆ Overruns occurred due to quantity increases in the N-Basin cleanout and Waste disposal and were offset by these underruns and because of these quantity overruns, it will provide for decreased funding required for FY 1996.
ADS 3700 ERDF	<ul style="list-style-type: none">◆ Productivity savings are the result of downsizing activities that include facility size reductions, elimination of capital equipment procurements, and reduced technical and administrative support.
ADS 3400 Program Mgmt & Support	<ul style="list-style-type: none">◆ Productivity savings on work performed in a more efficient or innovative manner (Public Involvement, Price Anderson Amendment Act, Environmental Compliance, Quality Assurance and Safety & Health, Pre-Existing Conditions Survey, Permanent Facility Equipment.)◆ Reduction in Distributable rates.◆ Reduction of permanent facility Work Stations/Equipment.

Environmental Restoration
MILESTONE & PERFORMANCE MEASURES SUMMARY SCHEDULE

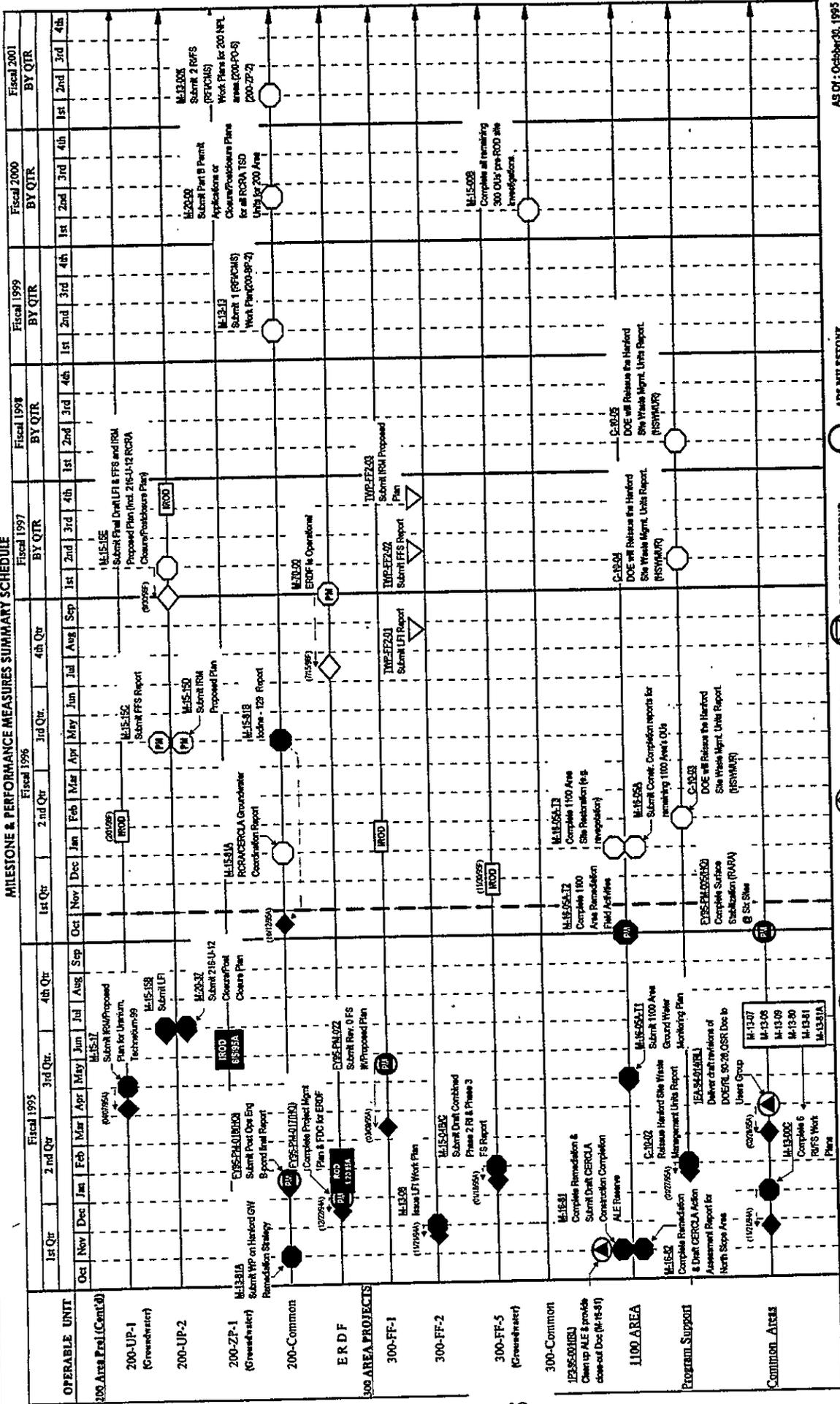


AS

TPA MILESTONE
 TPA WORK PLAN SCHEDULE
 FORECAST
 PERFORMANCE MEASURE
 DOE-RL MILESTONE
 DOE-HQ MILESTONE
 ADS MILESTONE

AS Of: October30, 1995

Environmental Restoration
MILESTONE & PERFORMANCE MEASURES SUMMARY SCHEDULE



AS OF: October 30, 1995

ADS MILESTONE

DOE-HQ MILESTONE

DOE-RL MILESTONE

PERFORMANCE MEASURE

TPA WORK PLAN SCHEDULE

FORECAST

DRAFT

Time Line	Baseline Update Schedule
<i>November 17</i>	"Kick-Off" Meeting - 1996 Baseline Update
<i>November 20-</i>	
<i>December 29</i>	Project Teams - Develop 1996 Baseline Update (Phase I)
<i>December 30-</i>	
<i>May 31</i>	Project Teams - Develop Remaining 1996 Baseline Update (Phase II)
<i>November 20-</i>	
<i>December 1</i>	Establish RDS and RRE Guidance
<i>December 4</i>	"Kick-off" Meeting - RDS and RRE Preparation
<i>December 4-</i>	
<i>January 12</i>	Project Teams - Prepare RDSs and RREs
<i>January 8-10</i>	RL/HQ/ERC Management Reviews - 1996 Baseline Update
<i>January 11-12</i>	Regulator Review/Comment - 1996 Baseline Update
<i>January 12</i>	Obtain DOE HQ (RMT) Funding Guidance
<i>January 15</i>	Baseline Update Ready for ADS Development (Phase I)
<i>January 22</i>	"Kick-Off" Meeting - ADS Preparation
<i>January 22-</i>	
<i>February 14</i>	Project Teams - Prepare draft ADSs
<i>February 16-23</i>	RL/ERC Management Reviews - ADSs
<i>February 26-</i>	
<i>March 1</i>	Project Teams - Incorporate Comments ADSs/RDSs & RREs
<i>March 4-15</i>	Regulator Briefings - draft ADSs
<i>March 18-29</i>	Project Teams - Finalize ADSs, Priority List, RDSs, and RREs
<i>March 29</i>	Senior RL Management Briefing - draft ADSs/RDSs
<i>April 1-5</i>	Project Manager (RL&ERC) ADS Checklist Sign-Off
<i>April 15</i>	Submit Final ADS/RDSs and Priority List to DOE-HQ
<i>June 28</i>	1996 Baseline Update Approved (Phase II)/Submit BCP for Approval
<i>July 1996</i>	Project Teams - Develop the Multi Year Work Plan Update

(ATTACHMENT 3)

PUREX Transition Project

PUREX TRANSITION PROJECT UPDATE
M-80 TRI-PARTY AGREEMENT MILESTONE

November 15, 1995

STATUS OF HAZARD REDUCTION

- Completed 577 bagouts from the N cell gloveboxes containing more than 2 kilograms of plutonium
- Completed first of six shipments of contaminated organic to Tennessee
- Completed shipping 187,000 gallons (50 shipments) of contaminated nitric acid to BNFL in England
- Shipped 3.1 metric tons of aluminum clad and zircaloy clad fuel to 105-KW Basins for storage
- Completed flushing 10 of 16 PUREX systems to non-hazardous conditions

PUREX Transition Project

M-80 TPA MILESTONES COMPLETED

NUMBER	MILESTONE TITLE/ DESCRIPTION	MILESTONE DATE	ACD
M-80-00-T01	Issue DOE approved end point criteria for the UO3 Plant	Dec. 1994	Dec. 1994
M-80-01	Complete deactivation of PUREX Plant R Cell	April 1995	April 1995
M-80-00-T02	Complete all UO3 Plant transition activities and initiate Surveillance & Maintenance phase	June 1995	Jan. 1995
M-80-00-T03	Submit options and recommendations for final management of Tank 40 organic material to EPA and/or Ecology	June 1995	June 1995

M-80 TPA MILESTONES COMPLETED

NUMBER	MILESTONE TITLE/ DESCRIPTION	MILESTONE DATE	ACD
M-80-02-T01	Submit proposed end point criteria for transition of PUREX	June 1995	June 1995
M-80-00-T04	Complete removal of concentrated (recovered) 203-A nitric acid at PUREX	June 1996	Nov. 1995
M-80-00-T05	Complete implementation of selected alternative for management of spent fuel from PUREX	Dec. 1996	Oct. 1995
M-80-03	Remove process waste solutions from Tanks D5 and E6	Jan. 1997	April 1995

FUTURE M-80 TPA MILESTONES

NUMBER	MILESTONE TITLE/ DESCRIPTION	MILESTONE DATE	ECD
M-80-02-T02	Submit PUREX Surveillance & Maintenance Plan	May 1996	May 1996
M-80-02	Submit the end point criteria and Surveillance & Maintenance Plan in support of the PUREX preclosure work plan	July 1996	July 1996
M-80-00-T06	Complete deactivation of the PUREX Plant 211-A Area	April 1997	May 1996
M-80-04	Complete deactivation of the PUREX Plant U Cell/ Fractionator	April 1997	Sept. 1996

FUTURE M-80 TPA MILESTONES

NUMBER	MILESTONE TITLE/ DESCRIPTION	MILESTONE DATE	ECD
M-80-00-T07	Complete deactivation of the PUREX Plant sample gallery	June 1997	Dec. 1996
M-80-05	Complete deactivation of the PUREX Plant aqueous makeup area	June 1997	Nov. 1996
M-80-06	Complete deactivation of the PUREX Plant canyon	June 1997	Aug. 1996
M-80-07	Complete deactivation of the PUREX Plant 203-A Area	April 1998	Nov. 1996
M-80-00	Complete PUREX and UO3 Plant's transition phase and initiate the surveillance & maintenance phase	July 1998	Jan. 1998

PUREX Transition Project

FUTURE M-20 TPA MILESTONE

NUMBER	MILESTONE TITLE/ DESCRIPTION	MILESTONE DATE	ECD
M-20-24A	Submit a PUREX preclosure work plan to EPA and Ecology	July 1996	July 1996

PROJECT TO DATE REPORTING

- Project on schedule and under budget while achieving excellent safety record (calendar year 94 lost workday rate = .33 / CY95 rate = .79) more than 650 days (902,000 hours) without a lost workday case
- Original baseline 222.5M
- Current baseline:

<u>FY94</u>	<u>FY95</u>	<u>FY96</u>	<u>FY97</u>	<u>FY98</u>	<u>Total</u>
47.9M	48.8M	45.3M	32.3M	4.4M	178.7M

	Percent FY 1996	Percent Project to Date
Work Scheduled	8.3%	55.6%
Work Completed	8.3%	56.0%
Actual Cost	5.0%	50.0%

Project Estimate to Completion \$ 79.7M

Project Completion Date - January 30 ,1998

SITE MANAGEMENT
SYSTEM

WESTINGHOUSE HANFORD COMPANY
1.3.1/7.1 TRANSITION PROJECTS

OCTOBER
1995

EXPENSE COST PERFORMANCE

(\$ DOLLARS IN THOUSANDS)

PROGRAM ELEMENT WBS & ADS	FISCAL YEAR TO DATE					BAC	EAC	FYSF	EXPECTED FUNDS FY 1996	PROJECTED CARRYOVER WORKSCOPE	COMMENTS
	BUDGETED COST		ACTUAL COST	VARIANCE							
	WORK SCHED	WORK PERF	WORK PERF	SCHED	COST						
1KP1 PUREX S & M 7.1.1.1 (6622-0)	2,247	2,247	1,570	0	677	29,015					
1KP3 - Funds Management				0	0						
1KP4 - Transition 7.1.1.4 (6622-0)	1,370	1,370	593	0	777	14,471					
1KP5 - Compliance 7.1.1.5 (6622-0)	162	162	88	0	74	1,799					
TOTAL	3,779	3,779	2,251	0	1,528	45,285	0	0	0	0	

EAC is defined as the estimate of what it is going to cost to complete the work as defined by the FYWP and Class I changes.

FYSF is defined as the estimated total that will be spent from October through September.

Expected Funds is defined as total funding guidance expected at fiscal year end (includes anticipated approval of change requests, carryover, reprogramming actions and reserve holdback).

PROGRAM MANAGER'S ASSESSMENT

WBS	PROGRAM ELEMENT	ES&H COMPLIANCE	CUSTOMER	TECHNICAL	SCHEDULE	COST	COMMENTS
1.3.1/7.1	TRANSITION PROJECTS						All outstanding ratings result from exceeding existing performance assessment criteria.
7.1.6	PROGRAM & ENVIRONMENTAL MANAGEMENT	■	■	■	□	□	
7.1.1	PUREX/UO3	□	□	□	□	□	
7.1.2	300 AREA	■	■	□	◇	□	
7.1.3	PPF	⊗	◇	□	◇	■	
1.3.1.7	B PLANT	□	□	⊗ ↑	⊗ ↑	□	

File: PMA-FACC

RATING GRADIENT SYMBOLS		LEGEND		INDICATORS	
■	Outstanding	+	Improved from last month	-	Worsened from last month
□	Good	↑	Improved future outlook	↓	Worsened future outlook
◇	Satisfactory				
⊗	Marginal				
⊙	Unsatisfactory				

The above ratings are based on performance assessment criteria in negotiation with the DOE-RL Program Monitor

The information contained within this report is complete and accurate to the best of my knowledge

WHC Program Manager

(ATTACHMENT 4)

**TRI-PARTY AGREEMENT
MAJOR MILESTONE MANAGEMENT
REVIEW**

ADVANCED REACTORS TRANSITION

November 15, 1995

TPA MILESTONE REVIEW PROGRAM MANAGER'S ASSESSMENT

April - September 1995

WBS	PROGRAM ELEMENT	ES&H COMPLIANCE	CUSTOMER	TECHNICAL	SCHEDULE	COST	COMMENTS
7.3	ADVANCED REACTORS TRANSITION	■	■	■	■	■	

LEGEND	
RATING GRADIENT SYMBOLS	INDICATORS
■ Outstanding	+ Improved from last month
□ Good	- Worsened from last month
◇ Satisfactory	↑ Improved future outlook
○ Marginal	↓ Worsened future outlook
● Unsatisfactory	

TPA MILESTONE REVIEW

ADVANCED REACTORS TRANSITION HIGHLIGHTS

- **Completed reactor defueling April 19 (109 days early)**
- Completed Group 1 Systems Shutdown May 19 (83 days early)
- Completed 309 ion exchange vault cleanout June 23 (38 days early)
- Completed Interim Storage Area construction August 8 (7 days early)
- Shipped sodium-wetted equipment to LM Manufacturing September 20 (9 days early)
- **Initiated construction on Sodium Storage Facility - October 9 (21 days early)**

**TPA MILESTONE REVIEW
ADVANCED REACTORS TRANSITION
PLANNED ACCOMPLISHMENTS**

MILESTONE SCHEDULE

W B S	Baseline Date	FISCAL YEAR 1996												FY 1997					
		OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP						
ADS 6640 FFTF																			

MILESTONE TYPES:  Major-RL  DOE-HQ

Footnote:

TPA MILESTONE REVIEW

FY 1995 EXPENSE COST PERFORMANCE

(\$ In Thousand)

WBS (ADS)	FY TO DATE					BAC	EAC	FYSF	EXPECTED FUNDS FY 1995	PROJECTED CARRY-OVER WORK-SCOPE
	BUDGETED COST		ACTUAL COST	VARIANCE						
	WORK SCHED	WORK PERF	WORK PERF	SCHED	COST					
7.3.1.1 / 6640 FFTF	53335	53507	43554	172	9953	53335	53335	43554	47268	9781
7.3.1.3 / 6641 NUCLEAR ENERGY LEGACIES	4475	4406	3484	-69	922	4507	4507	3484	4756	1023
7.3.1.2 / 6642 FFTF SHUTDOWN CONSTRUCTION	5416	5422	1678	6	3744	5414	5414	1678	9833	3736
7.3.1.1 / 6640 RL CONTROLLED	0	0	0	0	0	0	0	0	3147	0
7.3.1	63,226	63,335	48,716	109	14,619	63,256	63,256	48,716	65,004	14,540

EAC is defined as the estimated total cost to complete the workscope as defined by the FYWP and approved Class I changes.

FYSF is defined as the estimated total that will be spent from October through September.

Expected Funds is defined as total funding guidance expected at fiscal year end (includes anticipated approval of change requests, carryover, reprogramming actions and reserve holdbacks).

The BAC in FDS is incorrect due to the RLS not reflecting actual funding, the correct value is reflected in this report.

The ACWP reflects the general ledger which is \$42K less than cost in performance due to a difference in an inventory Account.

TPA MILESTONE REVIEW

ISSUES

WBS NO.	DATE IDENT	ISSUE	IMPACT	STATUS
7.3-1	10/95	The U. S. District Court for Idaho issued the Idaho Consent Order dated October 17, 1995. This order established a new timetable for transfer of spent nuclear fuel into the State of Idaho. No spent fuel from FFTF can be transferred to Idaho until after 12/31/2000 without special agreement from the State of Idaho.	The FFTF cost and schedule will be adversely impacted if the sodium bonded metal fuel cannot be transferred to Idaho as currently planned in the summer of 1997.	DOE-RL is soliciting relief from DOE-ID and DOE-CH. FFTF TPO is conducting a review of the impacts. A white paper will be issued by 12/1/95 on the impacts and alternatives.

TPA MILESTONE REVIEW

- Advanced Reactors Transition Program is adequately funded for FY-96
 - Workscope \$52.588M
 - Funding Level \$47.140M
 - Difference between workscope and funding is made up in carryover
- FFTF Transition Project Baseline has been reduced significantly through improved planning and estimating
 - FY-95 Baseline = \$384M
 - FY-96 Baseline = \$296M

(ATTACHMENT 5)

November 15, 1995

Plutonium Finishing Plant

TPA Overview

SITE MANAGEMENT SYSTEM	WESTINGHOUSE HANFORD COMPANY 1.3.1/7.1 TRANSITION PROJECTS PROGRAM	SEPTEMBER 1995
---------------------------	---	-------------------

PROGRAM MANAGER'S ASSESSMENT

WBS	PROGRAM ELEMENT	ES&H COMPLIANCE	CUSTOMER	TECHNICAL	SCHEDULE	COST	COMMENTS
1.3.17.1	TRANSITION PROJECTS	□	□	□	□	■	All outstanding ratings result from exceeding existing performance assessment criteria.
7.1.6	PROGRAM & ENVIRONMENTAL MANAGEMENT	■	■	■	□	■	
7.1.1	PUREX/UO3	■	□	■	□	■	
7.1.2	300 AREA	+ ■	■	□	◇	■	
7.1.3	PFP	□	□	+ ■	■	■	
1.3.1.7	B PLANT	◇	◇	◇	◇	□	

File: PMA-FACC

LEGEND	
RATING GRADIENT SYMBOLS	INDICATORS
■ Outstanding	+ Improved from last month
□ Good	- Worsened from last month
◇ Satisfactory	↑ Improved future outlook
⊗ Marginal	↓ Worsened future outlook
● Unsatisfactory	

The above ratings are based on performance assessment criteria in negotiation with the DOE-RL Program Monitor

The information contained within this report is complete and accurate to the best of my knowledge

M. A. Baumann
 for *D. B. Cartmell*
 WHC Program Manager

Site Management System

Westinghouse Hanford Company
1.3.1/7.1 - TRANSITION PROJECTS

MILESTONE SCHEDULE

WBS	Baseline Date	FISCAL YEAR 1996												FY 1997
		OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
7.1.3 PFP	9/7/95	Complete Duct Terminal Cleanout, Section #2  TRP-96-412 (5/31/96)												
		Complete Dose Study for Furnace Stabilization Operation  TRP-96-418 (6/3/96)												
		Support DOE to issue EIS ROD  TRP-96-408 (M-83-01-T01) (6/30/96)												
		Complete 10-L Solution Downloading  TRP-96-405 (M-83-02-T03) 6/30/96												
		Complete Pyrolysis Furnace Engineering Study  TRP-96-419 (7/8/96)												
		Complete Annual FSAR Update  TRP-96-406 (9/30/96)												
		Complete Stabilization of TCO / RS Material  TRP-96-411 (9/30/96)												
		Complete Duct Terminal Cleanout, Section #3  TRP-96-413 (9/30/96)												
		Complete Design/Acceptance Test of New PC-Based AMS @ AMOSS  TRP-96-420 (9/30/96)												

MILESTONE TYPES:

-  TPA TARGET
-  DOE-HQ
-  FORECAST
-  TPA INTERIM
-  DOE-FO
-  DOE-RL

FOOTNOTES:

Milestone Status

- M-83-00 Complete stabilization of process areas and other PFP cleanout actions resulting from the EIS ROD, within PFP. Date TBD*

Completion of the process area stabilization activities will establish a safe and environmentally secure configuration for these plant areas. The major radioactive and chemical sources associated with these areas will be removed, reduced and/or stabilized. Completion of stabilization and other cleanout activities will result in reduced risk to plant workers, the public and the environment. This milestone includes completion of the National Environmental Policy Act (NEPA) process.

* The three parties will enter into negotiations within two months following issuance of the EIS Record of Decision to establish milestones for implementing the Record of Decision and will complete negotiations within 6 months thereafter.

Milestone Status

- M-83-01 Submit draft Environmental November 1995
 Impact Statement

The draft Environmental Impact Statement will be submitted for public review.

Status: *On Schedule*

- M-83-01-T01 Issue final Environmental June 1996
 Impact Statement Record of
 Decision (ROD)

The final Environmental Impact Statement will be completed and all applicable NEPA requirements performed, including issuance of the ROD.

Status: *On Schedule*

Milestone Status

- M-83-02 Complete identified Interim Actions December 1998
 The currently identified interim actions as listed in the following target activities will be completed. Additional potential interim actions will be evaluated.
Status: *On Schedule*
- M-83-02-T01 Submit Plan and Schedule for September 1995
 Additional Interim Actions
Status: *Completed - September 29, 1995*
- M-83-02-T02 Complete Sludge Stabilization December 1995
Status: *Completed - June 14, 1995*
- M-83-02-T03 Complete 10-L Solution Downloading June 1996
Status: *Completed - September 19, 1995*
- M-83-02-T04 Complete 234-5Z Ductwork Cleanout December 1998
Status: *Early start planned*

94-1 & ^TEPA Progress

- Cleanup & stabilization of plutonium residues ahead of schedule
 - 236 reactive sludge items stabilized three months early
 - Stabilization of ash started two months early
 - 27 containers of corrosive plutonium solution emptied and solutions stabilized, providing lab data for EIS
 - Vertical calciner successfully tested
- Approximately 1 ton plutonium placed under IAEA surveillance in vault room 3 of 2736-Z
- 2,700 gallons of carbon tetrachloride sold as excess correcting long-standing chemical vulnerability issue
- Cost continue to be pushed down
 - \$10 million savings on safeguards and security upgrade
 - \$54 million savings through FY 2002 in new MYPP as compared to April 1995 ADS submittal

Radiological Work Curtailment

- Bag of incinerator glovebox waste leaked during NDA measurement
- 4 individuals contaminated
- Event review team evaluating cause
- PFP management has curtailed further cleanup and stabilization work until corrective actions are implemented

**Complete Closure of Non-Permitted Mixed Waste Units,
324 Building REC and HLW**

Milestone M-89-00

M.A. Barnard

**Laboratory Management Division
Department of Energy**

November 15, 1995

Site Management System

Pacific Northwest Laboratory
WBS 1.7.1 - WASTE MANAGEMENT
Site Research

September 1995

PROGRAM MANAGER'S ASSESSMENT

J.T. Fulton
J.T. Fulton
The information contained within this report is complete and accurate to the best of my knowledge.

III-1.1

WBS	PROGRAM	ES&H COMPLIANCE	CUSTOMER	TECHNICAL	SCHEDULE	COST	COMMENTS
1.7.1	EM-30 Science and Technology Research Support - Site Research	<input type="checkbox"/>	<p>ES&H: The 324 REC/HLV Closure Plan was submitted to DOE-RL for review. Part B App for SAL/HWTU still in review w/PNL & DOE-RL is on schedule; comments due early Oct. Procedural closure packages for Physical/Chemical Treatment and Thermal Treatment (both Part A) were signed/certified by PNL Director & DOE RL mgr, meeting TPA milestones M-20-43A and M-20-42A. Customer: Additional line and program management attention and emphasis continue to be given to the program. Technical: The floor area cleared of debris and dispersible contamination is at 74%. Schedule: CUM operating schedule variance is -\$1158K for B-Cell. The change in schedule rating is due to two independent failures in the B-Cell crane. Cost: CUM operating cost variance is \$633K for B-Cell.</p>				
1.7.1.1.1	S&T Compliance Ops (Defense)	<input type="checkbox"/>					
1.7.1.1.2	S&T Compliance Ops (Nondefense)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	◇	◇	
	324 Bldg B-Cell Restoration	<input type="checkbox"/>	<input type="checkbox"/>	◇	○	<input type="checkbox"/>	
1.7.1.2	Corrective Activities	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	◇	◇	
1.7.1.3	Facility Projects	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	○	◇	

WBS 1.7.1

Legend	
<input type="checkbox"/>	Outstanding
<input type="checkbox"/>	Good
◇	Satisfactory
○	Marginal
●	Unsatisfactory
+	Improved from last month
-	Worsened from last month
▲	Improved future outlook
▼	Worsened future outlook

Add “stoplight” chart here from SMS.

Milestone Description

M-89-00*

Complete Closure of Non-Permitted Mixed Waste Units in the 324 Building REC B-Cell, REC D-Cell, and High Level Vault (HLV)

*** TBE Date for M-89-00 following Ecology approval of the REC/HLV closure plan (M-20-55)**

Pending Milestones

- M-89-01** Complete removal of 324 Building HLV tank MW (10/31/96)
- M-89-02** Complete removal of 324 B-Cell MW and equipment (5/31/99)

Accomplishments (since 3/95)

M-89 Interim Milestones

- **M-89-01A: Submitted report identifying preferred option for management of MW liquid in HLV (complete 3/31/95)**
- **M-89-03: Achieved compliance with interim status facility standards at non-permitted 324 Building MW units (3/31/95)**
- **M-89-04: Submitted to Ecology a report identifying MW management alternatives and proposal for achieving clean closure of 324 Building B-Cell, D-Cell, and HLV (6/30/95)**
- **successfully completed reprogramming of sufficient funding to allow project to continue without significant delays**

Work Completed (11/95)

M-89-01 Complete removal of 324 Building HLW tank MW (10/31/96)

- **Project Management Plan (PMP) for design and implementation submitted to agencies**
- **PMP responsiveness summary prepared for Ecology comments**
- **operational requirements defined and liquids removal integrated into B-Cell program**
- **sufficient prototypic testing complete to demonstrate design effectiveness**
- **functions and requirements for operations (complete)**
- **Operational Readiness Review (ORR) preparation (complete)**

Planned Actions (next 6 months)

M-89-01 Complete removal of 324 Building HLV tank MW (10/31/96)

- **obtain Ecology approval to proceed and reaffirm support for the processing prior to completion of ORR and equipment ordering**
- **resolve remaining Ecology comments concerning PMP**
- **complete ORR and facility preparations**
- **complete equipment procurement and fabrication**
- **install equipment in REC D-Cell**
- **begin liquids transfer and processing**

Issues Related to Milestone Completion

M-89-01 Complete removal of 324 Building HLW tank MW (10/31/96)

- **HLW inventory removal in advance of closure plan approval**
- **PMP comments remaining related to closure plan issue**
- **Ecology approval to process liquids**
- **approval needed prior to November 20, 1995**
- **Congressional re-programmed funding for FY96 only**

Related Milestone Commitments

M-20-55 Submit closure plan for Non-permitted Mixed Waste Units located in the 324 Building B-Cell, D-Cell, and HLV (12/31/95)

Deliverable: Closure Plan for Non-Permitted MW Units

Schedule Status: Closure plan in concurrence review. Deliver revised plan 12/8 to DOE-RL. Scheduled for 12/22 transmittal to Ecology.

Cost Status (October 95)

M-89-01 (HLV task); favorable cost variance of 7 percent (20.1 K)

- ramp up of FY96 work
- change in PM from FY95
- cost avoidance from alternative shipping cask

M-20-55 (REC closure plan task); favorable cost variance of 27 percent (2.7K)

- Ecology request for DQO planning process task to be deferred until late December

B-Cell Cleanout

M-89-02 Complete removal of 324 Building REC B-cell MW and equipment (5/31/99)

Status: B-cell cleanout proceeding in accordance with planning commitments.

Issues: Planned shipments to PUREX tunnels subject to on-going discussions with EPA, WDOH, and DOE-RL concerning air NOC issues

Summary

- **M-89-00 includes aggressive scheduling and technical challenges and has required extensive stakeholder cooperation**
- **M-89 TPA commitments were addressed on schedule and under budget for FY95 - will press for more efficiency in FY96**
- **Ready to complete the remaining milestone actions with focus on HLV and B-Cell inventory removal activities in FY96**
- **Look forward to the continued excellent working relationship and cooperation with all TPA stakeholders in resolving M-89 milestone issues**