

Meeting Minutes Transmittal/Approval
Tri-Party Agreement Milestone Review Meeting
EPA Conference Room
December 16, 1997

From/ Appvl: Jackson Kinzer Date: 1-27-98
Jackson E. Kinzer, RL
IAMIT Representative

Appvl.: Michael A. Wilson Date: 1/27/98
Michael A. Wilson, Ecology
IAMIT Representative

Appvl.: Douglas R. Sherwood Date: 1/27/98
Douglas R. Sherwood, EPA
IAMIT Representative

Prepared by Appvl.: Larry D. Arnold Date: 1-27-98
Larry D. Arnold
Fluor Daniel Hanford, Inc.

Distribution

Alexander, S.M.	Ecology	B5-18	Richards, J.	CTUIR *
Arnold, L. D.	FDH	G3-27	750 Swift Blvd., Ste	12, Richland, WA
Baker, T.	WMH	H6-06	Sanders, G. H.	RL A5-15
Bisping, R. L.	FDH	N1-26*	Sautter, S.	ODOE
Black, D.	WMH	H6-20	Selby, M. A.	Ecology B5-18*
Blazek, M. L.	ODOE	Oregon	Sellers, E. D.	RL S7-41*
Bowman, R.	WMH	H6-24	Sherwood, A.	WMH H6-26
Carter, R. P.	RL	S7-55	Sherwood, D. R.	EPA B5-01
Cusack, L.	Ecology	B5-18	Skinnarland, R.	Ecology B5-18
Einan, D. R.	EPA	B5-01	Stanley, R	Ecology
Guercia, R.	RL	S7-55	Stevenson, M. W.	FDH G3-27
Holt, R. G.	RL	S7-41*	Tebb, G. T.	Ecology B5-18
Jaraysi, M.	Ecology	B5-18	Waring, J.	RL S7-55
Kinzer, J. E.	RL	S7-50	Williams, N.	FDH R3-11
Mattlin, E.	RL	A5-15	Wilson, M. A.	Ecology B5-18*
Miera, F. R.	RL	A5-15*	EDMC	H6-08
Nelson, B.	DOE-HQ			
Rasmussen, J. E.	RL	A5-15		

* W/Attachments

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TRI-PARTY AGREEMENT MAJOR MILESTONE MANAGEMENT REVIEW
December 16, 1997

1. M-34-00

The Spent Nuclear Fuel (SNF) Presentation was presented by Bob Holt, DOE-RL (Attachment 1).

A project overview was discussed including the following: critical items, current accomplishments, Cold Vacuum Drying operations, Fuel Retrieval System, Sludge Removal, Canister Storage Building, SNF Characterization, Multi-Canister Overpack and cost/transportation, safety basis, enabling assumptions and closure status. No major impacts were raised. DOE-RL Senior Management has reviewed SNF schedule "F" and accepted the dates based on cost study results currently under review by FDH. TPA proposed dates on the M-34 negotiations proposed package were discussed. A date for the next negotiation session is proposed for the week of January 5, 1998.

A proposal for the parties to sign an IAMIT form during January 1998 to cover the current negotiations (addressing Paragraph 136 of the TPA) was provided by Ecology (Attachment 2).

2. M-26-01 LDR Annual Report

R. Guercia, DOE-RL, presented the current status of M-26-01 (Attachment 3). Comments from Ecology have been provided to DOE-RL. Ecology requested responses back by Mid January 1998.

3. M-19-00 & M-91-00

R. Guercia presented the status of M-19-00 and M-91-00 (Attachment 4). No issues or open action items were presented.

4. M-20-00 Part B and Closure Plans

E. Mattlin, DOE-RL, presented the status of RCRA Permits and Closure Plans (TPA Milestone M-20-00) (Attachment 5). No issues or action items were determined.

5. M-32-00 Waste Tanks/Corrective Actions

P. Carter, DOE-RL, presented the M-32 series (Attachment 6) (not including TWRS M-32 milestones) M-32-02, 219-S Lab, and Project W-087 were discussed. R. Guercia discussed M-32-03, and T-Plant Upgrades. No major issues were discussed. At this time, IAMIT Decision Number 8 was signed by J. Kinzer, RL and M. Wilson, Ecology, to split off the M-32-00 TWRS portion to be discussed in the future at the TWRS Milestone Review (Attachment 7).

ATTENDEES

TPA MILESTONE REVIEW

DATE: 12/16/1997

<u>NAME</u>	<u>ORGANIZATION</u>	<u>MAILSTOP</u>	<u>(✓) FOR ATTACHMENTS</u>
<u>Larry Cervenak</u>	<u>FDH/TPAI</u>	<u>93-27</u>	<u>✓</u>
<u>George H. Sanders</u>	<u>DOE-RL</u>		
<u>Tom Tebb</u>	<u>Ecology</u>	<u>85-18</u>	
<u>Mike Wilson</u>	<u>"</u>		<u>✓</u>
<u>Melodie Selby</u>	<u>Ecology</u>	<u>B5-18</u>	<u>✓</u>
<u>NANCY WILLIAMS</u>	<u>FDH/SNF</u>		<u>✗</u>
<u>Beth Sellers</u>	<u>DOE/RL</u>		<u>✓</u>
<u>James E Rasmussen</u>	<u>DOE-RL</u>	<u>A5-15</u>	
<u>Bob Holt</u>	<u>DOE-RL</u>	<u>57-41</u>	<u>✓</u>
<u>Brad Nelson</u>	<u>DOE-HQ</u>		
<u>Felix R. Micva</u>	<u>RL/EAP</u>	<u>A5-15</u>	<u>✓</u>
<u>Russ Bisping</u>	<u>FDH-Project Dir</u>	<u>N1-26</u>	<u>✓</u>
<u>Dave Einan</u>	<u>EPA</u>	<u>B5-01</u>	
<u>JOE RICHARDS</u>	<u>CTUR Hartford ops</u>	<u>750 Swift Blvd, suite 12 Richland, WA 99352</u>	<u>✓</u>

ATTENDEES

TPA MILESTONE REVIEW

DATE: 12/16/1997

<u>NAME</u>	<u>ORGANIZATION</u>	<u>MAILSTOP</u>	<u>(✓) FOR ATTACHMENTS</u>
<u>Steve Alexander</u>	<u>Ecology</u>	<u>B5-18</u>	
<u>ROGER STANLEY</u>	<u>Ecology</u>		
<u>MARC STOVESON</u>	<u>FOM/TPAI</u>	<u>G3-27</u>	
<u>Ron Skinnarland</u>	<u>Ecology</u>	<u>B5-18</u>	
<u>Dell Black</u>	<u>WMH</u>	<u>H6-20</u>	
<u>Laura Cusack</u>	<u>ecology</u>		
<u>TOM BAKER</u>	<u>WMH</u>	<u>H6-06</u>	
<u>JOE WARING</u>	<u>DOE-RL</u>	<u>S7-55</u>	
<u>Russ Bisping</u>	<u>FDH</u>	<u>N1-26</u>	
<u>STEVE SAUTTER</u>	<u>Division Office of Energy</u>		
<u>Rudy Guercia</u>	<u>RL</u>	<u>#57-55</u>	
<u>Moses Jarayssi</u>	<u>Ecology</u>	<u>B5-18</u>	
<u>ELLEN MATTLIN</u>	<u>DOE</u>	<u>A5-15</u>	
<u>Roger Bowman</u>	<u>WMH</u>	<u>H6-24</u>	

AGENDA

TRI-PARTY AGREEMENT MAJOR MILESTONE MANAGEMENT REVIEW
(CHAIRPERSON: D. R. SHERWOOD)

TUESDAY, DECEMBER 16, 1997

Location: 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>
8:00am	M-34-00	Spent Nuclear Fuel	E. D. Sellers	D. J. Watson	R. G. Holt
9:00am	M-26-01	LDR Annual Report	J. M. Augustenborg (acting)	J. A. Winterhalder	R. F. Guercia
	M-19-00	WRAP II	J. M. Augustenborg (acting)	D. E. McKenney	R. F. Guercia
	M-91-00	Acquisition of Facilities to TSD TRU/TRUM, LLMW and GTC3	J. M. Augustenborg (acting)	D. E. McKenney	R. F. Guercia
10:00am	M-20-00	Part B and Closure Plans	J. E. Rasmussen	S. M. Price	E. M. Mattlin
10:20am	M-32-00	Waste Tanks/ Corrective Action	J. E. Rasmussen	S. M. Price	A. R. Sherwood
11:00am	ADJOURN				

Spent Nuclear Fuel Project

Tri-Party Agreement M-34 Milestone Review



**Tom Tebb,
Washington State,
Department of Ecology**

**Bob Holt,
U.S. Department of Energy
Richland Operations**

December 16, 1997

Project Overview

Critical Items

- **Maintaining schedule management strategy momentum**
- **MCO sealing strategy decision**
- **Crane safety classification decision**
- **Renegotiation of M-34 change package**

Accomplishments

- **Critical Path Schedule compliance**
- **Continued CSB construction progress**
- **CVD construction progress**
- **IWTS fabrication initiated**
- **Performance Improvement International (PII) review progress**



Cold Vacuum Drying

Critical Items

- **CVD is currently on the SNF Project Critical Path**
- **RL Review of Safety Significant HVAC submittal**

Accomplishments

- **29 out of 85 panels fabricated**
- **Structural steel erection continuing**
- **Administration Building foundation poured**



Integrated Water Treatment System

Critical Items

- **Completion of air permitting activities for air sparge of sand & garnet filter beds**
- **Polishing Filter Change Request**

Accomplishments

- **Fabrication of IWTS equipment initiated**
- **Conducted DESH & Solid Waste review of Chem-Nuclear Systems Polishing Filter Option Study**
- **Resolved settling tank installation details with fabricator and FDNW**
- **Initiated review of existing KE design to resolve weasel pit criticality and hydrogen generation issues.**



Fuel Retrieval System

Critical Items

- **Process table modifications to resolve criticality issues resulting from drop accidents and seismic events**
- **Identification of aluminium hydroxide removal path forward strategy**
- **KW NOC suspension**

Accomplishments

- **Issued ECN resolving criticality and seismic issues with MCO tier basket queue equipment**
- **Conducted factory acceptance test of equipment operating center and camera equipment**



Sludge Removal

Critical Items

- **None**

Accomplishments

- **Initiated cold testing for Sludge Conditioning Process Development**
- **Initiated sludge retrieval system design activities**



Canister Storage Building

Critical Items

- **Technical implementation for elimination of inerting**
- **Schedule impacts of new safety strategy**
- **Safety Classification of cranes and handling equipment**
- **RL review of MCO drop analysis**

Accomplishments

- **Received MHM Trolley Assembly**
- **Completed Human Factors Engineering review of MHM**
- **Completed confirmatory evaluation of receiving crane and MHM seismic analysis**
- **Installed MCCs, completed metal roof decking and enclosed the building**
- **Initiated design study of weld station**
- **Provided technical direction to MHM supplier to eliminate inerting**



SNF Characterization

Critical Items

- **Damaged element furnace testing schedule delays**

Accomplishments

- **Third whole element test (damaged element) in progress**
- **TGA testing in progress with focus on fuel element coatings**



Multi-Canister Overpack (MCO) and Cask/Transportation

Critical Items

- **RL suggestions for MCO design changes**
- **SFS Fabrication of MCO fuel baskets**

Accomplishments

- **Reviewed and approved OIW shop drawings**
- **Reviewed and approved OIW and SFS material purchase requisitions**
- **Issued draft Acceptance Inspection Plans for MCO and basket fabrication**
- **Completed desk review of revised OIW QA manual to meet OCRWM requirements**
- **Received fabrication bids from MLS equipment suppliers**



Safety Basis

Critical Items

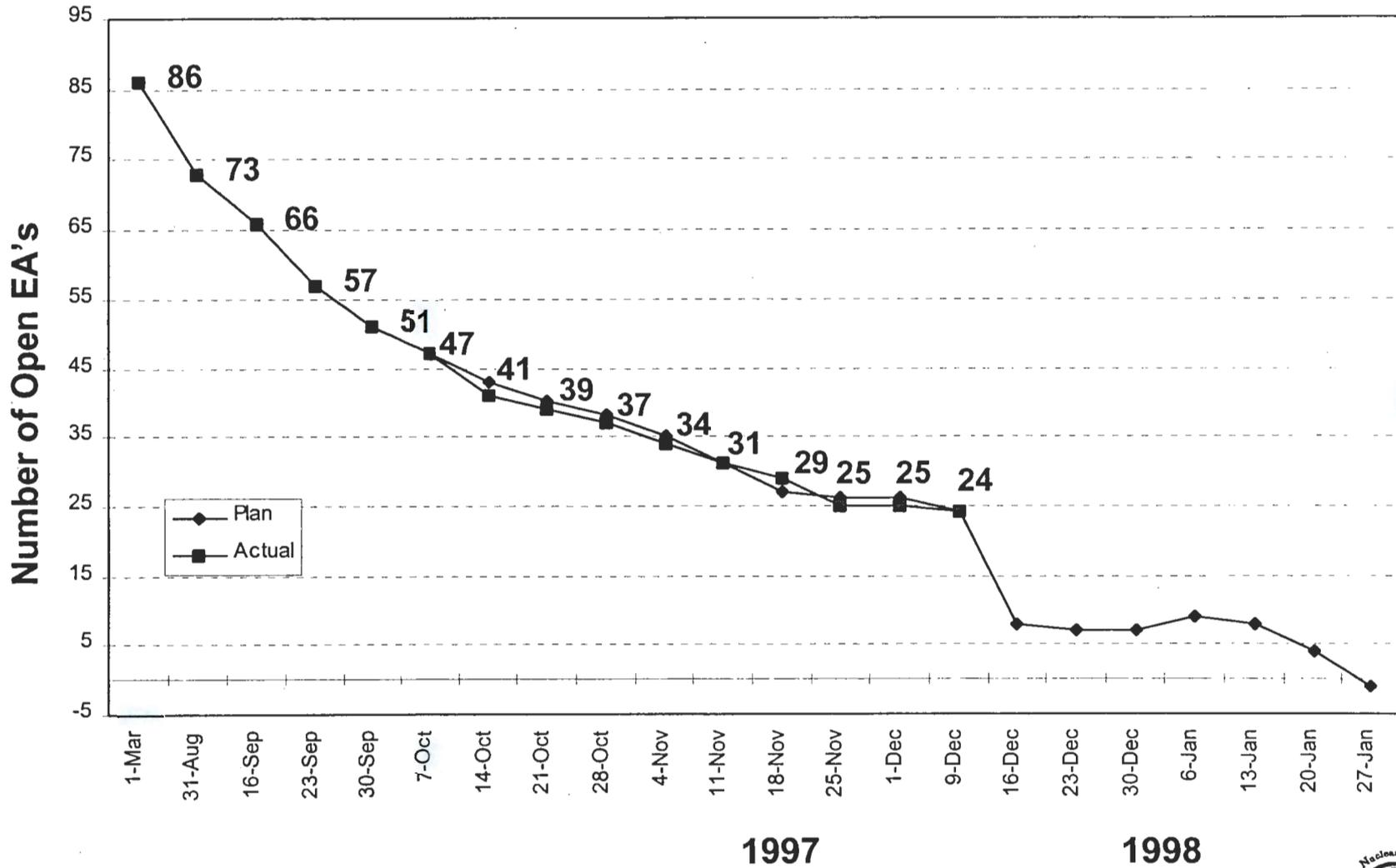
- **RL approval of new safety strategy**
- **Integrate implementation plan with project schedule**
- **AL (OH)₃ coating removal**

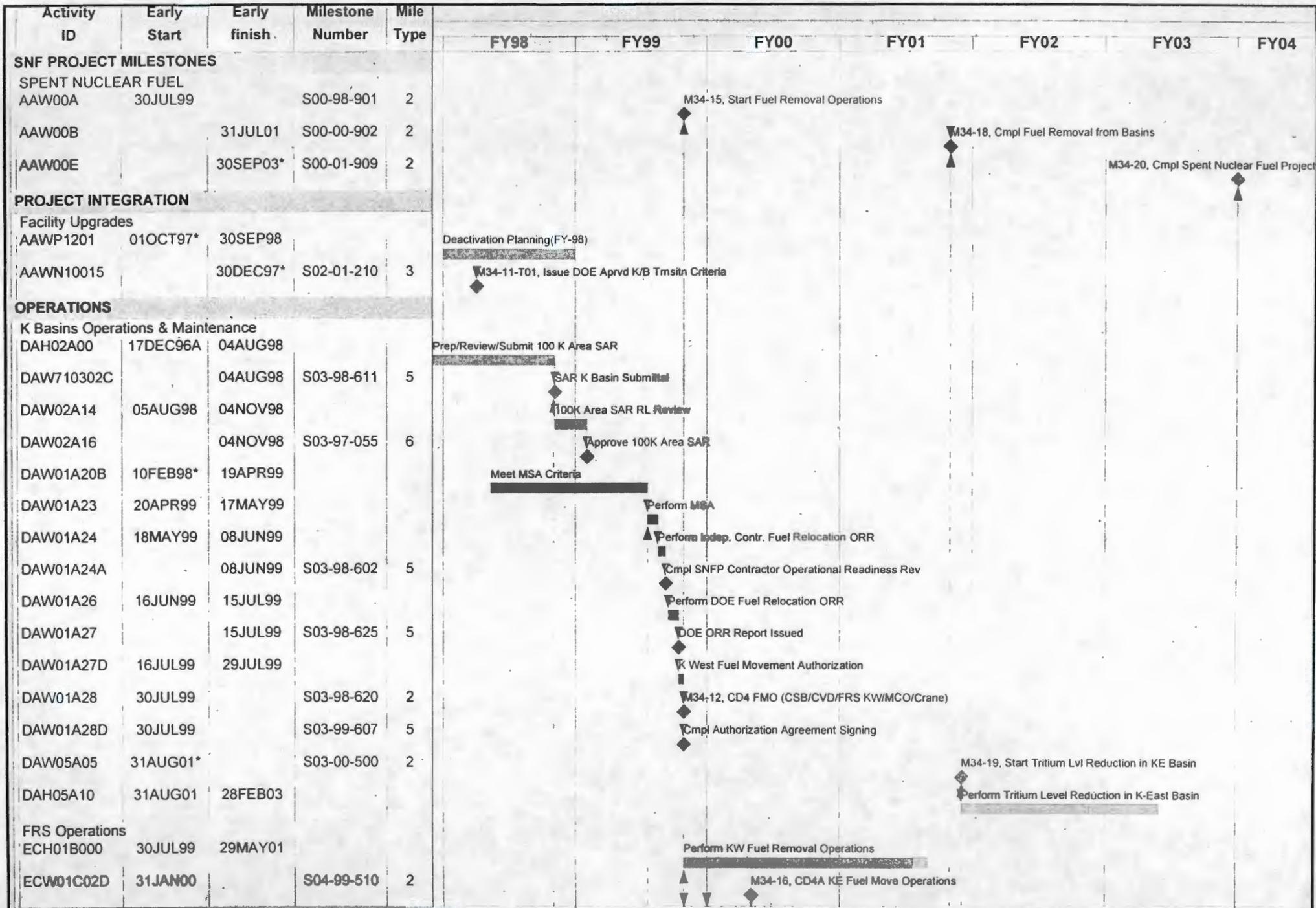
Accomplishments

- **Continued interaction with FDH on schedule/budget aspects of new safety strategy**
- **Defended new safety strategy before special DOE review group**



Enabling Assumption Closure Status





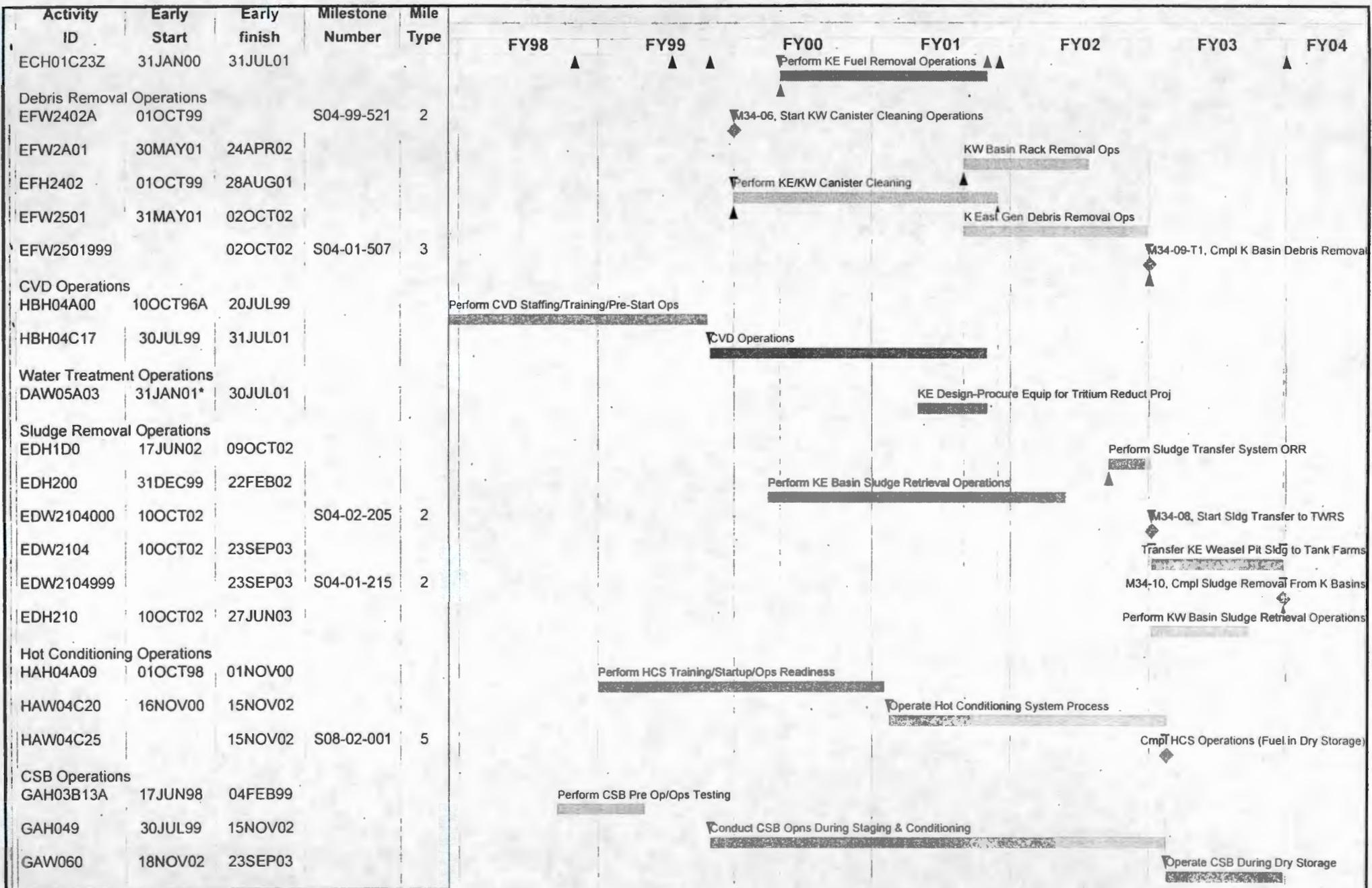
Project Start 01OCT92 Early Bar
 Project Finish 29SEP17 Progress Bar
 Data Date 16JUN97 Critical Activity
 Run Date 15DEC97

REVF

DUKE ENGINEERING & SERVICES HANFORD
 PROPOSED SMBS
 Rev "F" PROPOSED 98 MYWP

Sheet 1 of 5

PRELIMINARY
 Date Revision Checked Approved



Project Start	01OCT92		Early Bar
Project Finish	29SEP17		Progress Bar
Data Date	16JUN97		Critical Activity
Run Date	15DEC97		

REV#

DUKE ENGINEERING & SERVICES HANFORD

PROPOSED SMBS

Rev "F" PROPOSED 98 MYWP

Sheet 2 of 5

Date	PRELIMINARY	Revision	Checked	Approved
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Activity ID	Early Start	Early finish	Milestone Number	Mile Type	FY98	FY99	FY00	FY01	FY02	FY03	FY04	
FACILITY PROJECTS												
Fuel Retrieval System												
ECH5295	01OCT96A	04MAY98			Perform KW FRS Equipment Testing							
ECWHA4184	10MAR98	16JUL98			FRS - KW Inpool Process Equip Installation							
ECHA025	12MAY97A	11MAR98			Demo/Install KW FRS Basin Mods							
ECWM4011PA		16JUL98	S04-97-355	2		M34-17, Cmpl KW FRS Construction						
ECHA4185B	24NOV97	31DEC98			Demo/Install KE FRS Basin Mods/Eqpt							
ECWA4210		31DEC98	S04-98-356	2		M34-17B, Cmpl KE FRS Construction						
Sludge Removal System												
EDH190	11SEP00	18MAR02						Acquire Sludge System Transport Package				
EDH1A0	01DEC97	03NOV99			Acquire Sludge System KE Floor Removal Equip							
EDH170	05APR99	14JUN02				Acquire KE Sludge Loadout Equipment						
EDH1C0	14JUL97	21FEB02			Acquire Sludge Pre-Treatment System							
EDH180	04JAN00	10JUN02					Acquire Sludge Sys Offload Fac at TWRS					
EDSR052L		24OCT01	S04-02-600	3				M34-07-T01, Cmpl Final Safety Basis Sludge Trnsf				
Debris Removal Project												
EFH01	01OCT99	30MAR01					Acquire KE/KW Debris Removal Equipment					
EFW11030	15MAY98*	29MAY98			DOE Review Annual Rpt -Debris to Eco/EPA							
EFW11031		29MAY98	S04-98-515	2		M34-05, Submit Annual Debris Rpt to Eco/EPA						
EFW11040	17MAY99*	28MAY99				DOE Review Annual Rpt -Debris to Eco/EPA						
EFW11041		28MAY99	S04-99-815	2		M34-05, Submit Annual Debris Rpt to Eco/EPA						
EFW11050	17MAY00*	31MAY00					DOE Review Annual Rpt -Debris to Eco/EPA					
EFW11051		31MAY00	S04-00-515	2		M34-05, Submit Annual Debris Rpt to Eco/EPA						
EFW11060	17MAY01*	31MAY01					DOE Review Annual Rpt -Debris to Eco/EPA					
EFW11061		31MAY01	S04-01-515	2		M34-05, Submit Annual Debris Rpt to Eco/EPA						
EFW11070	17MAY02*	31MAY02					DOE Review Annual Rpt -Debris to Eco/EPA					
EFW11071		31MAY02	S04-02-515	2		M34-05, Submit Annual Debris Rpt to Eco/EPA						
EFW11080	16MAY03*	30MAY03					DOE Review Annual Rpt -Debris to Eco/EPA					

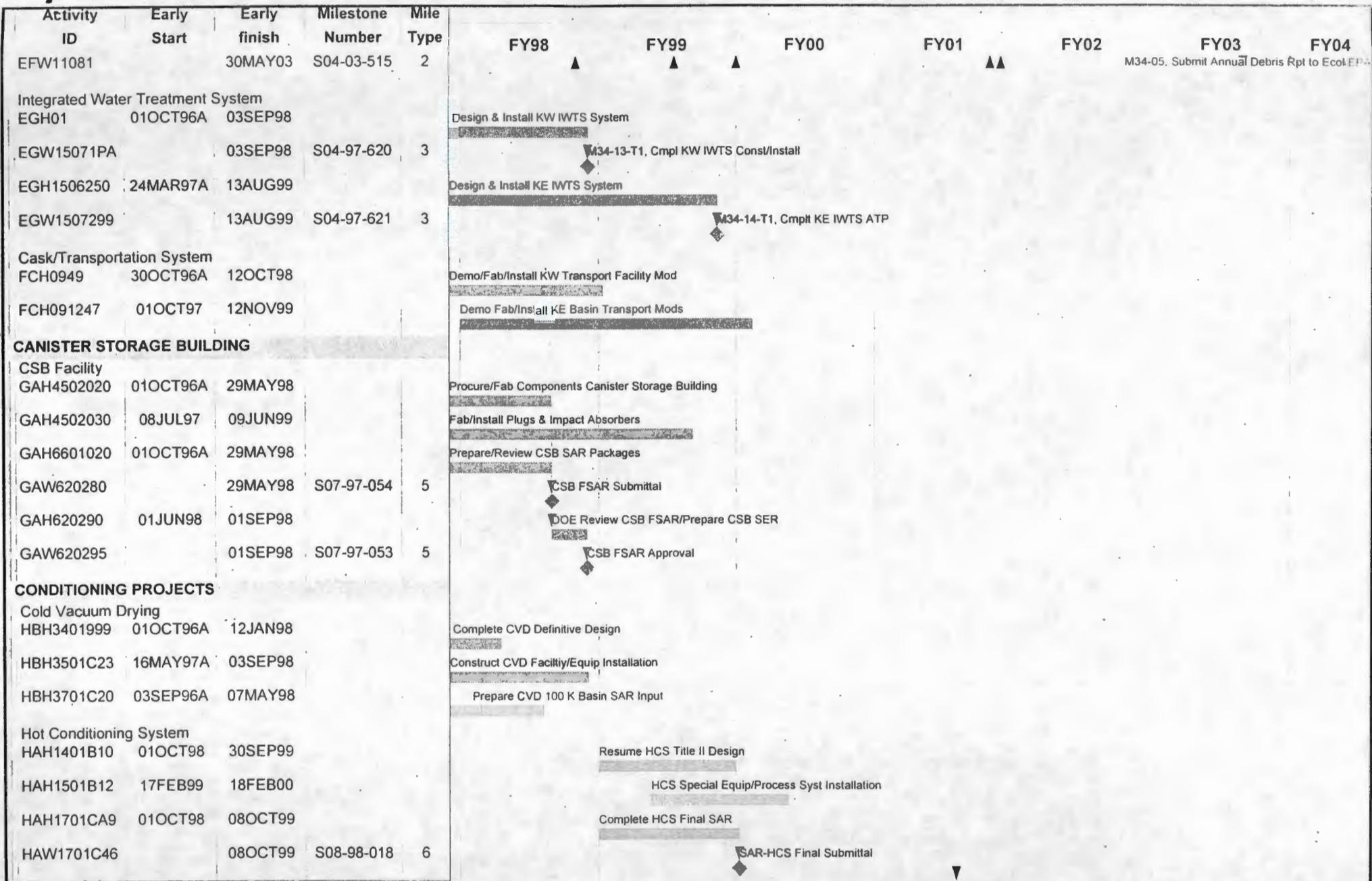
Project Start	01OCT92	Early Bar
Project Finish	29SEP17	Progress Bar
Data Date	16JUN97	Critical Activity
Run Date	15DEC97	

REVF

Sheet 3 of 5

DUKE ENGINEERING & SERVICES HANFORD
 PROPOSED SMBS
 Rev "F" PROPOSED 98 MYWP

PRELIMINARY
 Date | Revision | Checked | Approved



M34-05, Submit Annual Debris Rpt to EcoLEPA

Project Start	01OCT92	Early Bar
Project Finish	29SEP17	Progress Bar
Data Date	16JUN97	Critical Activity
Run Date	15DEC97	

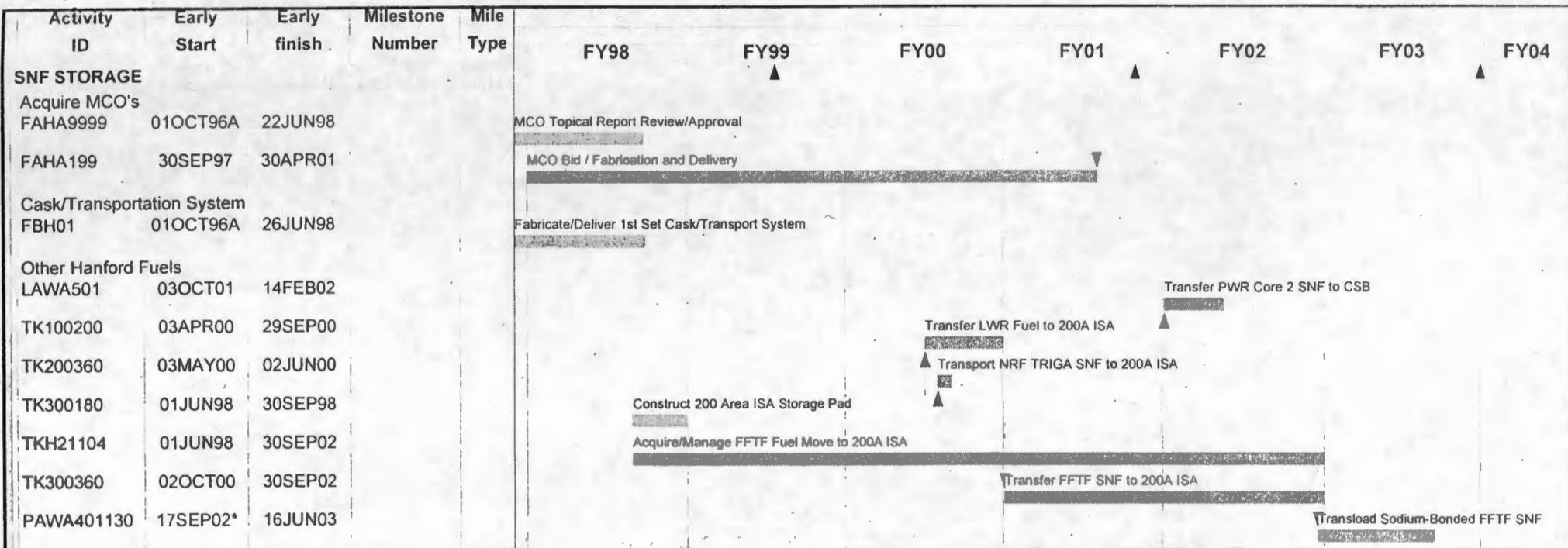
REV F

DUKE ENGINEERING & SERVICES HANFORD
PROPOSED SMBS
Rev "F" PROPOSED 98 MYWP

Sheet 4 of 5

Date: _____ Revision: _____ Checked: _____ Approved: _____

PRELIMINARY



Project Start 01OCT92
 Project Finish 29SEP17
 Data Date 16JUN97
 Run Date 15DEC97

Early Bar
 Progress Bar
 Critical Activity

REVF

DUKE ENGINEERING & SERVICES HANFORD
 PROPOSED SMBS
 Rev "F" PROPOSED 98 MYWP

Sheet 5 of 5

Date PRELIMINARY
 Revision Checked Approved

December 15, 1997

Suggested paragraph for IAMIT member approval RE: M-34 negotiations (to be on IAMIT DECISION/DETERMINATION form).

On August 16, 1996, the Parties entered into an Agreement in Principle (AIP) governing negotiations to revise the Major milestone M-34 series. In April, 1997, an M-34 Tentative Agreement was submitted for public comment. However, subsequent events have made the milestone package unacceptable to the Department of Energy (DOE). Consequently, this package has not yet been finalized/approved. The Parties agree to work to develop a revised Agreement change package that is acceptable to all Parties prior to the February IAMIT meeting. (This package would then be submitted for additional public comment). DOE agrees that should the Parties not be able to reach tentative agreement by the February IAMIT, Ecology and EPA are free to consider the matters under discussion as matters that the Parties have chosen not to address under the TPA (for purposes of paragraph 136).

<p style="text-align: center;">LAND DISPOSAL RESTRICTIONS ANNUAL REPORT</p> <p style="text-align: center;">M-26-01</p> <p style="text-align: center;">WASTE PROGRAMS DIVISION R. F. Guercia December 16, 1997</p>	<p><u>Milestone Description</u></p> <ul style="list-style-type: none"> • M-26-01 Submit an annual Hanford Site LDR Report in accordance with the LDR Plan to cover the period from April 1 through March 31 • Deliverables Submit the "1998 Hanford Site Land Disposal Restrictions for Mixed Waste" to EPA and Ecology (M-26-01H) • Schedule Report submitted annually by April 30. 												
<p><u>RL Program Manager's Assessment of Contractor Performance</u></p> <ul style="list-style-type: none"> • Satisfactory performance, on schedule. <p><u>Accomplishments</u></p> <ul style="list-style-type: none"> • Developed new format for 1998 report, in response to Ecology comments. Waste stream data sheet developed. • Requested input for 1998 report. 	<p><u>Planned Actions</u></p> <ul style="list-style-type: none"> • Prepare draft report and conduct contractor and RL reviews. <p><u>Milestone Assessment - schedule and technical</u></p> <ul style="list-style-type: none"> • On schedule <p><u>Non-TPA Regulatory Issues. Potential Impacts on TPA</u></p> <ul style="list-style-type: none"> • None. 												
<p><u>Budget</u></p> <ul style="list-style-type: none"> • Budget versus actual cost (\$ in 000's) <table border="0" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 60%;"></th> <th style="width: 20%; text-align: center;">Oct</th> <th style="width: 20%; text-align: center;">Nov</th> </tr> </thead> <tbody> <tr> <td>FYTD Budget</td> <td style="text-align: center;">6</td> <td style="text-align: center;">14</td> </tr> <tr> <td>FYTD Actual</td> <td style="text-align: center;">7</td> <td style="text-align: center;">17</td> </tr> <tr> <td>FYTD Variance</td> <td style="text-align: center;">-1</td> <td style="text-align: center;">-3</td> </tr> </tbody> </table>		Oct	Nov	FYTD Budget	6	14	FYTD Actual	7	17	FYTD Variance	-1	-3	<p><u>Planned Changes for 1998 report</u></p> <ul style="list-style-type: none"> • One data sheet per waste stream. • Approximately 55 Streams (40 at CWC). • Narrative Supporting each stream or group of streams. Narrative provides required information that is not on data sheet. • Consolidated schedule information.
	Oct	Nov											
FYTD Budget	6	14											
FYTD Actual	7	17											
FYTD Variance	-1	-3											

M-19-00 & M-91-00

WASTE PROGRAMS DIVISION

R. F. Guercia

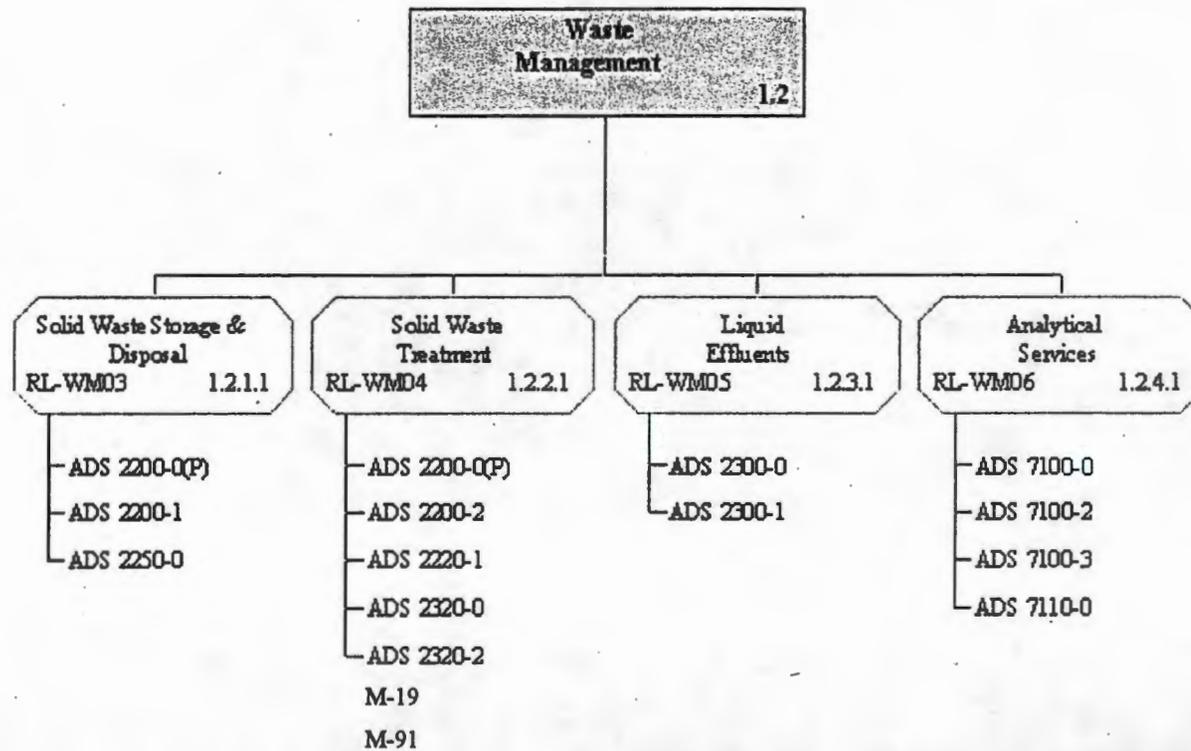
November 1997

<p>TPA MILESTONE REVIEW</p>	<p>WASTE MANAGEMENT FEDERAL SERVICES OF HANFORD, INC. 1.2.2.1 SOLID WASTE TREATMENT</p>	<p>NOVEMBER 1997</p>
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MILESTONE DESCRIPTION

<p>TPA MILESTONE</p>	<p>DESCRIPTION</p>
<p>M-19-00</p>	<p>Complete treatment and/or direct disposal of at least 1,644 cubic meters of Contact Handled Low Level Mixed Waste already in storage as of October 1, 1995, as well as newly generated Hanford Site low level mixed waste.</p> <p>Cumulative treatment and/or direct disposal rates will be at least 246 cubic meters by the end of FY 2000, 822 cubic meters by the end of FY 2001, and 1,644 cubic meters by the end of FY 2002.</p>
<p>M-91-00</p>	<p>Complete the acquisition of new facilities, modification of existing facilities, and/or modification of planned facilities necessary for storage, treatment/processing, and disposal of all Hanford site TRU/TRUM, LLMW, and GTC3.</p>

WORK BREAKDOWN STRUCTURE



(P) Represents an ADS split between 2 PBSs.

TPA MILESTONE REVIEW	WASTE MANGEMENT FEDERAL SERVICES OF HANFORD, INC. 1.2.2.1 SOLID WASTE TREATMENT	NOVEMBER 1997
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MILESTONE SCHEDULE

WBS (ADS)	BASELINE DATE	FISCAL YEAR 1998											
		OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1.2.2.1 (RL-WM04) Solid Waste Treatment													<div style="display: flex; align-items: center;"> <div style="width: 150px;"> (M-19-01-T03) Complete all NEPA requirements related to commercial contract for LLMW stabilization </div> <div style="margin-left: 10px;"> </div> <div style="text-align: center;"> I </div> </div>
MILESTONE TYPES: M TPA MILESTONE I TPA INTERIM		DOE-HQ FO DOE-FO	FORECAST RL DOE-RL	FOOTNOTES: * indicates current month activity									

<p>TPA MILESTONE REVIEW</p>	<p>WASTE MANAGEMENT FEDERAL SERVICES OF HANFORD, INC. 1.2.2.1 SOLID WASTE TREATMENT</p>	<p>NOVEMBER 1997</p>
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MILESTONE EXCEPTION REPORT

FUTURE MILESTONES IN JEOPARDY

- M-91-04 “Complete construction of small container Contact Handled (CH) TRU/TRUM retrieval facility(s) and initiate (Project W-113) retrieval of small container TRU/TRUM from 200 Area burial grounds” by September 2000.
- M-91-07 “Complete Project W-113 for Post 1970 CH TRU/TRUM retrieval” by September 2004.
- Capital construction for the TRU Retrieval activities would require \$834 K in FY 1998 and \$15.9 million in FY 1999. Expected cost efficiencies will allow WMH to identify \$100K in expense funding in FY 1998 to explore simplified retrieval alternatives to meet required start and completion dates.
- M-91-10 “Submit Hanford Site LLMW and Greater than Class C (GTC3) waste Project Management Plan (PMP) to Ecology pursuant to Agreement Action Plan section 11.5” by June 1999.
- Lack of funding for the Project Management Plan (\$500 K in FY 1999) may jeopardize the timely completion of this milestone. Expected cost efficiencies will allow WMH to identify \$200K in expense funding in FY 1998 to initiate this activity.
- M-91-02 “Initiate processing of contact-handled TRU and TRU(M) waste at the Waste Receiving and Processing Facility” by December 1998.
- Potential sources of expense funding to support preparation of the WRAP facility to meet this milestone commitment have been identified and are being pursued.

TPA MILESTONE REVIEW	WASTE MANAGEMENT FEDERAL SERVICES OF HANFORD, INC. 1.2.2.1 SOLID WASTE TREATMENT	NOVEMBER 1997
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PROGRAM ACCOMPLISHMENTS

WBS 1.2.2.1	<div style="text-align: center;"> <p><u>M-19-00</u></p> <p><u>LOW LEVEL MIXED WASTE TREATMENT</u></p> </div> <p>Nothing to report.</p>
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TPA MILESTONE REVIEW	WASTE MANAGEMENT FEDERAL SERVICES OF HANFORD, INC. 1.2.2.1 SOLID WASTE TREATMENT	NOVEMBER 1997
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M-19-00 SCORECARD

	"Treat and/or directly dispose of at least 1,644 cubic meters of CH-LLMW by September 2002"																										
	<p style="text-align: center;">WMH TREATMENT AND DIRECT DISPOSAL ACTIVITIES (QUANTITY IN M³)</p> <table border="0" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; width: 70%;"><u>TREATMENT/DISPOSAL ACTIVITY</u></th> <th style="text-align: right; width: 15%;"><u>FY 1997 ACTUAL</u></th> <th style="text-align: right; width: 15%;"><u>FY 1998 PLANNED</u></th> </tr> </thead> <tbody> <tr> <td>Macroencapsulation Pilot</td> <td style="text-align: right;">185</td> <td></td> </tr> <tr> <td>Long Length Equipment</td> <td style="text-align: right;">28</td> <td></td> </tr> <tr> <td>Backlog Soils Disposal</td> <td style="text-align: right;">56</td> <td style="text-align: right;">260</td> </tr> <tr> <td>Macro-Secure Demonstration</td> <td></td> <td style="text-align: right;">32</td> </tr> <tr> <td>WERF Burn</td> <td></td> <td style="text-align: right;">16</td> </tr> <tr> <td>183-H Empty Bags Disposal</td> <td></td> <td style="text-align: right;">45</td> </tr> <tr> <td>TOTAL TREATED/DISPOSED</td> <td style="text-align: right;">269</td> <td style="text-align: right;">353</td> </tr> </tbody> </table>			<u>TREATMENT/DISPOSAL ACTIVITY</u>	<u>FY 1997 ACTUAL</u>	<u>FY 1998 PLANNED</u>	Macroencapsulation Pilot	185		Long Length Equipment	28		Backlog Soils Disposal	56	260	Macro-Secure Demonstration		32	WERF Burn		16	183-H Empty Bags Disposal		45	TOTAL TREATED/DISPOSED	269	353
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TPA MILESTONE REVIEW	WASTE MANAGEMENT FEDERAL SERVICES OF HANFORD, INC. 1.2.2.1 SOLID WASTE TREATMENT	NOVEMBER 1997
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PROGRAM ACCOMPLISHMENTS

WBS 1.2.2.1	<p style="text-align: center;"><u>M-91-00</u> <u>FACILITIES FOR STORAGE, TREATMENT/PROCESSING AND DISPOSAL OF TRU/TRUM, LLMW</u> <u>AND GTC3</u></p> <p>Nothing to Report.</p>
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TPA MILESTONE REVIEW	WASTE MANAGEMENT FEDERAL SERVICES OF HANFORD, INC. 1.2.2.1 SOLID WASTE TREATMENT	NOVEMBER 1997
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PLANNED ACTIONS

TPA MILESTONE	COMPLETION DATE	DESCRIPTION
M-19-00	9/30/98	Complete Macro-Secure demonstration using proven commercial technology to macroencapsulate 150 drums (32 cubic meters) of mixed waste debris. Drums will be compacted at WRAP, sealed inside polyethylene boxes and placed in the mixed waste trench for storage and ultimate disposal.
M-19-00	9/30/98	Incinerate 80-120 drums of combustible debris at the WERF facility at INEEL. Ash residue and non-incinerable items to be returned to Hanford for stabilization and disposal.
M-19-00	9/30/98	Dispose of the balance of the non-PCB Backlog Soils as LLW -- 230 cubic meters.
M-19-00	9/30/98	Identify and dispose of 225 drums (45 cubic meters) containing 183-H empty bags. Plastic bags, used during 183-H basin cleanout, qualify as RCRA empty containers and may be disposed as LLW.
M-19-01-T02	9/30/98	Complete all NEPA requirements related to the commercial treatment contract.
M-91-04	9/30/00	RL is pursuing more cost effective alternatives for TRU container retrieval based upon similar projects at Savannah River and Los Alamos. Alternative sources for funding, including expense cost savings, are being explored.

TPA MILESTONE REVIEW	WASTE MANAGEMENT FEDERAL SERVICES OF HANFORD, INC. 1.2.2.1 SOLID WASTE TREATMENT	NOVEMBER 1997
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EXPENSE COST PERFORMANCE

(\$ inMillions)

WBS (ADS)	FY 1998 TO DATE					AT COMPLETION					COMMENTS
	BUDGETED COST		ACTUAL COST	VARIANCE		BAC	EAC	FYSF	EXPECTED FUNDS FY98	PROJECTED CARRYOVER WORKSCOPE	
	WORK SCHED	WORK PERF	WORK PERF	SCHED	COST	BCWS					
1.2.2.1 MW TREATMENT (2200-00)	0.1	0.1	0.1	0.0	0.0	2.3	2.3	2.3	2.3	0.0	

TPA MILESTONE REVIEW	WASTE MANAGEMENT FEDERAL SERVICES OF HANFORD, INC. 1.2.2.1 SOLID WASTE TREATMENT	NOVEMBER 1997
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CONSTRUCTION COST PERFORMANCE

(\$ In Millions)

WBS (ADS)	PROJECT TO DATE					AMOUNT AUTH. TO DATE	AT COMPLETION (PROJECT)		COMMENTS
	BUDGETED COST		ACTUAL COST	VARIANCE			TOTAL ESTIMATED COST	PRESENT WORKING ESTIMATE	
	WORK SCHED	WORK PERF	WORK PERF	SCHED	COST				
1.2.1.4 W-112 (2200-01)	11.8	10.9	10.4	(0.9)	0.5	10.4	10.4	10.4	Project closed in September 1997.

TPA MILESTONE REVIEW	WASTE MANAGEMENT FEDERAL SERVICES OF HANFORD, INC. 1.2.2.1 SOLID WASTE TREATMENT	NOVEMBER 1997
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CONSTRUCTION SCHEDULE VARIANCE ANALYSIS

WBS (ADS)	SCHEDULE VARIANCE \$(.9M)	
1.2.1	<u>(Description and Cause:)</u> Variance is within established thresholds. Project closed.	<u>(Impacts and Corrective Action:)</u>

TPA MILESTONE REVIEW	WASTE MANAGEMENT FEDERAL SERVICES OF HANFORD, INC. 1.2.2.1 SOLID WASTE TREATMENT	NOVEMBER 1997
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CONSTRUCTION COST VARIANCE ANALYSIS

WBS (WBS)	COST VARIANCE \$0.5M	
1.2.1	<u>(Description and Cause:)</u> Variance is within established thresholds. Project closed.	<u>(Impacts and Corrective Action:)</u>

TPA MILESTONE REVIEW	WASTE MANAGEMENT FEDERAL SERVICES OF HANFORD, INC. 1.2.2.1 SOLID WASTE TREATMENT	NOVEMBER 1997
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ISSUES

TPA MILESTONE	DATE IDENT	ISSUE	IMPACT	STATUS
M-19-00	1/97	State Organic Carbonaceous LDR requires combustible debris to be incinerated.	Prevents macroencapsulation of combustible debris (about 75% of Hanford debris).	<p>RL received an exemption for 883 drums of mixed waste debris to facilitate macro-encapsulation of debris at T Plant during August and September 1997.</p> <p>An exemption will be required by March 1998 to complete the Macro-secure project in FY 1998.</p> <p>The debris portion of the non thermal treatment contract may have to be terminated if an exemption is not obtained before treatment starts in FY 1999.</p> <p>The exemption application process is currently being defined.</p>

PERMITS AND CLOSURE PLANS

Milestone M-20-00

E. M. Mattlin

**Environmental Assurance, Permits
and Policy Division
U.S. Department of Energy
Richland Operations Office**

December 16, 1997

MILESTONE DESCRIPTION

M-20-00 **Submit Part B Permit Applications or closure plans
for all RCRA TSD Units (2-00)**

Deliverable(s) **Complete individual TSD unit submittals in accordance
with Appendix D Work Schedules**

ACCOMPLISHMENTS (last three months)

Closure Plans

- Completed cleanup and sampling at the 303-K Storage Facility
- Completed Phase 1 closure activities at the 300 Area Waste Acid Treatment System

ACCOMPLISHMENTS (last three months)

Part A

- Submitted Notice of Intent for expansion of the T Plant Complex (10/97)

Part B

- Provided working draft of the Waste Receiving and Processing Dangerous Waste Part B Permit Application to Ecology to support document development (10/97)

Research, Development, and Demonstration Permit

- Completed decontamination efforts for the Waste Water Pilot Plant filtration test skid

ACCOMPLISHMENTS (last three months)

Hanford Facility RCRA Permit

- Quarterly Class 1 modification package submitted to Ecology in accordance with Permit Condition I.C.3 (10/10/97)
- Comments were provided to Ecology on Revision 4 of the Hanford Facility RCRA Permit (10/16/97)
- Submitted Annual Closure Cost Estimate Report (10/31/97)
- Submitted waste pipeline maps for piping outside 200 East, 200 West, 300, 400, 100-N, and 100-K Areas (9/29/97)
- Completed annual sitewide inspection (100, 200 East, 200 West, 300, 400 and 1100 Areas). Completed semi-annual sitewide inspection (banks of Columbia River) (9/30/97)

PLANNED ACTIONS (next six months)

Closure Plans

- Continue work on Revision 1 of 300 Area Waste Acid Treatment System Closure Plan including workshops and submittal of NOD Response Table
- Issue Phase 2 decontamination and inspection plan for the 300 Area Waste Acid Treatment System
- Resolve issues associated with closure of the 3718-F Alkali Metal Storage and Treatment Facility

PLANNED ACTIONS (next six months)

Closure Plans (cont'd)

- Evaluate sampling data, prepare final report, and start closure certification process for the 303-K Storage Facility
- Submit NOD Response Table for the 324 REC/HLV Closure Plan
- Submit and implement closure plan for the 222-S Laboratory Complex storage structures
- Submit Rev 1 of 100-D Pond Closure Plan

PLANNED ACTIONS (next six months)

Part A

- Submit revised Hanford Facility Dangerous Waste Part A Permit Application, Form 3, with "Closed" stamped on front page for the 3718-F Alkali Metal Storage and Treatment Facility

- Submit revised/new Hanford Facility Dangerous Waste Part A Permit Application, Form 3s, for the following units:
 - Waste Encapsulation and Storage Facility, Revision 0
 - 222-S Laboratory Complex, Revision 6
 - T Plant Complex, Revision 6
 - Plutonium Finishing Plant, Revision 0

- Submit Notice of Intent for storage of Immobilized Low-Activity Waste

PLANNED ACTIONS (next six months)

Part A (cont'd)

- Pursue procedural closure for the following units:
 - 221-T Containment Systems Test Facility
 - 1706-KE Waste Treatment System
 - 2727-WA SRE Sodium Storage Buildings

Part B

- Continue NOD workshops with Ecology for the following units:
 - Central Waste Complex
 - Waste Receiving and Processing Facility 1
 - Double-Shell Tank System

PLANNED ACTIONS (next six months)

Research, Demonstration, and Development Permit

- **Submit closure certification documentation for the Waste Water Pilot Plant filtration test skid**

Hanford Facility RCRA Permit

- **Submit Quarterly Class 1 modification packages to Ecology in accordance with Permit Condition I.C.3 (1/10/98, 4/10/98)**
- **Revision 4 of the Hanford Facility RCRA Permit becomes effective (1/98)**
- **Reissue Hanford Facility RCRA Permit documentation associated with the Low-Level Burial Grounds for public comment**

PLANNED ACTIONS (next six months)

Hanford Facility RCRA Permit (cont'd)

- Submit Annual Noncompliance Report (3/3/98)
- Submit documentation to Ecology for inclusion in Modification D of the Hanford Facility RCRA Permit (6/15/98)
- Conduct Site-Wide Inspections according to schedule submitted to Ecology

ISSUES

- A letter rejecting the closure of the 3718-F Alkali Metal Storage and Treatment Facility was received from Ecology (11/97). A response to this letter was provided 12/12/97.
- An appeal was filed with the Pollution Control Hearing Board regarding the revised penalty received regarding the 222-S Laboratory (12/12/97)

**Interim Status Dangerous Waste Tank
Systems Hanford Federal Facility
Agreement and Consent Order
Milestone M-32-00**

December 16, 1997

Milestone Description

"Complete Identified Dangerous Waste Tank Corrective Actions" - September 1999

M-32-00 establishes Tri-Party Agreement compliance schedules for correcting known compliance deficiencies in certain Hanford interim status dangerous waste tank systems while allowing the continued operation of those tank systems.

Deliverables and Baseline Schedules

M-32-01 Complete PFP Actions - Dec 94

M-32-02 Complete 219-S Actions - April 99*

***Per TPA Change Request M-32-97-01**

M-32-03 Complete T Plant Actions - Sept 99

M-32-04 Complete DST Actions - June 94

**M-32-05 Complete 242-A Evaporator Actions - one
month after hot restart**

M-32-06 Complete 244-AR Actions - prior to restart

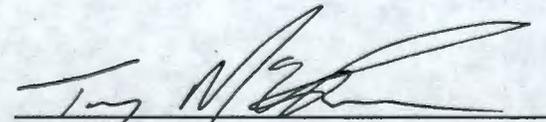
M-32-07 Complete B Plant Actions - June 96

**M-32-08 Complete Grout Actions - prior to
processing waste**

**Interim Status Dangerous Waste Tank Systems
Milestone M-32-00
Project Manager's Assessment**

Interim Milestone	Description	RCRA Compliance	Customer	Technical	Schedule	Cost
M-32-01	Complete PFP Actions	<input type="checkbox"/>				
M-32-02	Complete 219-S Action	<input type="checkbox"/>				
M-32-03	Complete T Plant Actions	<input type="checkbox"/>				
M-32-04	Complete DST Actions	<input type="checkbox"/>				
M-32-05	Complete B Plant Actions	<input type="checkbox"/>				

Legend:
 Good Performance
 ↓ Worsened Future Outlook


 T. C. McKarns
 RL Project Manager

12/16/97
 Date

Milestone Assessment

- Milestones Due But Not Complete (next six months)

None

- Milestones in Jeopardy (beyond six months)

None

Interim Milestone M-32-02 219-S (222-S Lab)

Significant Accomplishments (last six months)

- **Project W-178 (tank system upgrades): Completed Phase I acceptance test procedure and incorporated field changes into the as-builts. Conducted a Value Engineering (VE) study to develop improvement initiatives.**
- **Project W-087 (line replacement): Completed target date M-32-02-T02, “Complete Construction Upgrades to Existing Transfer Lines,” two months ahead of schedule.**

Significant Planned Activities (next six months)

- **Project W-178 (tank system upgrades): Incorporate VE initiates into project baseline. Start Phase II construction.**
- **Project W-087 (line replacement): Start use of Phase I piping. Complete as-built documentation and closeout project.**

Budget/Cost Status

- **Project W-178 (tank system upgrades):**
 - **Budgeted to date \$2.6M**
 - **Cost to date \$2.5M**
 - **Estimate at completion \$5.1M (with project completion date of 4/99)**

- **Project W-087 (line replacement):**
 - **Budgeted to date \$11.4M**
 - **Cost to date \$10.9M**
 - **Estimate at completion \$11.4M**

Issues - None

Interim Milestone M-32-03

T-Plant

Significant Accomplishments (last six months)

- **Project W-259 (2706-T upgrades): Completed new HVAC/ELEC room and installed ACT 2 HEPA system. Extension of fire sprinkler system into the HVAC/ELEC room is 90% complete.**

W-259 related activity: 2706-T Lean-To doors' modification complete.

Significant Planned Activities (next six months)

- **Project W-259 (2706-T upgrades): Complete extension of fire sprinkler system into the HVAC/ELEC room. Coating of floor in 2706-TA has been combined with floor coating of 2706-T and will be completed in December 1998. Install 2706-TB tanks and construct building. Complete installation of new 2706-T sump, piping, and instrumentation and connection to the 2706-TB building.**

Budget/Cost Status

- **Project W-259 (2706-T upgrades):**
 - **Budgeted to date \$12.8M**
 - **Cost to date \$7.6M**
 - **Estimate at completion \$12.8M**

Issues - None

HANFORD FEDERAL FACILITY AGREEMENT AND CONSENT ORDER

INTER AGENCY MANAGEMENT INTEGRATION TEAM (IAMIT)

DECISION / DETERMINATION / ACTION ASSIGNMENT

Number: 8

This form is intended to document the decisions and determinations made by the IAMIT within their authorities under the terms and conditions of the Hanford Federal Facility Agreement and Consent Order. This form is also intended to provide notification, to the affected persons, of the IAMIT's decisions / determinations or actions assigned.

SUBJECT

(Note the change request number, disputed subject or milestone addressed)

Coverage of Milestone M-32 Tank Waste Remediation System (TWRS) related milestones in the TWRS Quarterly Milestone Reviews.

DECISION / DETERMINATION / ACTION ITEM (Note the assignee and due date)

The status of Major Milestone M-32-00 (complete identified dangerous waste tank corrective actions) milestones have been statused in the Waste Management and RCRA Compliance Quarterly Tri-Party Agreement Milestone Reviews. It is the IAMIT's determination that any Milestone M-32-00 commitments which are or become the responsibility of the TWRS program may be statused as part of the TWRS Quarterly Tri-Party Agreement Milestone Review. This action is taken to enhance efficiency and comprehensiveness of future milestone reviews.

IS THIS DECISION / DETERMINATION / ACTION ITEM

FINAL INTERIM (Further action to be taken)

IAMIT Member Approvals

DOE

Jackson King 12-16-97
Date

EPA

Michael A. Bil 12/16/97
Date
Ecology