0073088

Meeting Minutes Transmittal/Approval
Tri-Party Agreement Milestone Review Meeting
EPA Conference Room
January 20, 2000

Appvl.: W. Wade Ballard Date: 3/28/00
William, W. Ballard, RL (A5-12)
IAMIT Representative

Appvl.: Douglas R. Sherwood Date: 3/28/00
Douglas R. Sherwood, EPA (B5-01)
IAMIT Representative

Appvl.: for Michael A. Wilson, Ecology (B5-18) Date: 3/28/00
IAMIT Representative

Prepared by
Appvl.: Ronald D. Morrison Date: 2/14/2000
Ronald D. Morrison (A1-14)
Fluor Hanford

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January 20, 2000
Hanford Federal Facility Agreement and Consent Order
Milestone Review Minutes

M-26-01 – Land Disposal Restrictions (LDR) Report

M. Jarvis led the discussion of the presentation "Land Disposal Restrictions Annual Report" Attachment 1. This discussion covered the basics of the milestone requirements and the current deadlines of the ongoing related dispute resolution as noted in the presentation. It was pointed out that the underlying dispute resolution has been linked with the ongoing Privatization negotiations.

R. Skinnarland stated that there are LDR issues which will likely go beyond the Privatization negotiations.

D. Sherwood asked what the DOE needs at this point? M. Jarvis responded that at this time clarification of the language in the Ecology proposed resolution of dispute.

M-20-00 - RCRA Closure Plans/ Permits

E. Mattlin lead the discussion of the presentation "M-20 Milestone Status Permits and Closure Plans" Attachment 2.

J. Wallace stated that schedules for modifying the Site Wide Permit need to be discussed at the Project Managers level.

E. Mattlin stated that, although not in the presentation, the DOE will be submitting an Hanford Federal Facility Agreement and Consent Order (Agreement) change request to establish a milestone for submittal of a Plutonium Finishing Plant treatment Part B permit application.

R. Skinnarland stated that with regard to the Site Wide Permit, we should not proceed with issuing the next permit modifications for public comment until we have resolved the current issues with Mod E. This does not mean that we should stop work on developing the applications and going through the NOD process for the next permit cycle.

A. Miskho asked if workshops on 222-S should be pursued. R. Skinnarland responded that yes workshops would still be valuable.

M-35-09B - Data Management – Biennial Assessment

It was reported that there were no current issues and no new data access needs have been identified. Milestone M-35-09B due on March 31, 2000 would likely be completed by mutual agreement shortly.

D. Sherwood stated that Ecology had been removed from Hanford Local Area Network access and asked if Ecology was satisfied with current access? R. Riedner responded that Ecology was currently satisfied.

M-34-00 - Spent Nuclear Fuel

C. Rodriguez lead the discussion of the presentation "Hanford Spent Nuclear Fuel Project" Attachment 3. No concerns were noted.

M-89-00 - 324 Facility Stabilization

D. Templeton lead the discussion of the presentation "324 Facility Stabilization" Attachment 4. It was noted that B Cell work is currently running 4 to 5 months behind schedule.

M. Wilson asked what are the negotiations noted in the last bulleted item on the sixth page of the presentation which reads "Initiated negotiations with SNF Program to define alternative packaging for the commercial spent fuel in B-Cell"?

L. Romine responded that the negotiations are mainly to work out the details of acceptance criteria.

Regarding the second issue noted on page 12 of the presentation, it was stressed that final funding levels will probably not be established until sometime in the Summer of 2000.

M-92-00 - Facilities for Cesium/Strontium, Sodium and Special Case Waste

D. Templeton lead the discussion of the presentation "Nuclear Materials and Facility Stabilization" Attachment 5.

It was stated that Special Case Waste is not presently planned to be sent to the PUREX Tunnels.

A. Stone stated that the Tribes are concerned about the existing Notice of Construction and contacts should be made to explain the current approach.

L. Ruud asked if wastes are characterized.

D. Templeton responded that "HNF 1730" lays out characterization as it will be carried out.

D. Sherwood asked where will the waste go if not to the PUREX Tunnels?

D. Templeton responded that wastes would go to either the Central Waste Complex or burial grounds which will be determined in the Project Management Plan.

M-83-00 - Plutonium Finishing Plant.

L. Romine of the U. S. DOE lead a discussion of Attachment 6 "Nuclear Material Stabilization Project, Plutonium Finishing Plant Stabilization Project, Milestone TPA-M-83".

George Jackson, of Westinghouse Safety Management Solutions was introduced to those present.

D. Sherwood requested L. Romine to provide a copy of DNFSB 2000-1. (Note: this request was subsequently completed on January 20, 2000).

L. Romine requested a letter from Ecology indicating the approval of the Part A Permit Application to support cementation activities.

L. Ruud responded that the DOE has approval of interim status to operate under the existing Part A. L. Ruud went on to stress that the DOE must meet all necessary interim status requirements such as having training plans and contingency plans in place. If additional waste codes have to be added then the proper procedures must be followed including appropriate justifications. The Ecology position is that all interim status requirements for miscellaneous treatment units apply. Ecology will be willing to assist with interpretations of the appropriate requirements.

J. Yerxa requested any current Ecology written policies on the Part A process.

L. Ruud will provide references to letter(s) describing the current Part A process.

L. Ruud stated that Ecology has not yet agreed to a Part B submittal change package.

A. Hopkins requested that Ecology provide notification to the DOE should miscellaneous treatment unit not be considered appropriate.

M-15-37B - 241-Z-361 Data/Recommendation

L. Romine lead a discussion of Attachment 7 "Tank 241-Z-361". No concerns arose in the discussion.

AGENDA

TRI-PARTY AGREEMENT MAJOR MILESTONE MANAGEMENT REVIEW

CHAIRPERSON: W. W. Ballard

THURSDAY, January 20, 2000
712 Swift Blvd., Suite 5, EPA Conference Room

TIME	MILESTONE	TITLE	RL DIVISION DIRECTOR	PRESENTER
9:00 am	M-26-01	Land Disposal Restrictions Report	W. W. Ballard	M. F. Jarvis
	M-20-00	Permitting/Closure Plans	J. E. Rasmussen	E. M. Mattlin
	M-35-09B	Data Access Biennial Assessment	J. E. Rasmussen	S. T. Burnum
10:00 am	M-34-00	Spent Nuclear Fuel	P. G. Loscoe	R. G. Holt
10:30 am	M-89-00	324 Bldg. Closure of MW Units	L. D. Romine	D. W. Templeton
	M-92-00	Facilities for Cesium/Strontium, Sodium and Special Case Waste	L. D. Romine	D. W. Templeton
	M-83-00	Plutonium Finishing Plant	L. D. Romine	W. D. Seaborg
	M-15-37B	241-Z-361 Data/Recommendation	L. D. Romine	S. E. Clarke

ATTENDEES

TPA MILESTONE REVIEW

DATE: 1-20-00

NAME	ORGANIZATION	MAILSTOP	(√) FOR ATTACHMENTS
RD Morrison	FH TPAI	A1-14	✓
ROB PIIPPO	FH TPAI	A1-14	✓
Ellen Dagan	DOE-ORL	A5-15	✓
Mary Jarvis	DOE-ORL	A5-15	✓
Tony Mischo	FH	G1-37	✓
Roger Bowman	FH	A1-14	✓
Darrell Riffe	FH-RCP	L6-05	✓
DAVE POWLAND	YAKAMA NATION		
Doug Sherwood	EPA	B5-01	✓
MIKE WILSON	ECOLOGY		✓
Wade Ballard	DOE-RL		✓
James Cusack	ECOLOGY		✓
Suzette Thompson	FH-ES	G1-37	✓
Nancy Schreckhise	DOE OSS	A1-15	

ATTENDEES

TPA MILESTONE REVIEW

DATE: 1-20-00

NAME	ORGANIZATION	MAILSTOP	(√) FOR ATTACHMENTS
Monica Sherman	DOE-RL	A7-75	
Cindy Hemsworth	LMST	A7-15	
Paul Day	SNF Project	R3-11	
Carole Rodriguez	SFO	S7-41	
Laura Cusack	Ecology		✓
Joanne Wallace	Ecology	B5-18	✓
Keith Hampton	FH - Z-361	R3-56	
DAVE EVANS	DOE-RL/FTD		
GEORGE JACKSON	FH - PFP		
Jon Perry	FH - RCP	~~L1-04~~ L1-04	
Larry Romine	DOE-RL/MAA & FTD	R3-79	
Alex Stone	Ecology		
Andrea Hopkins	FH		✓
Laura Rand	Ecology		

Land Disposal Restrictions Annual Report

Mary F. Jarvis
Office of Regulatory Liaison
January 20, 2000

ATTACHMENT 1

Milestone Description

- **M-26-01** Submit an annual Hanford Site LDR Report accordance with the LDR Plan to cover the period from April 1 through March 31. LDR Report is a Primary Document.
- **Deliverables** Submit the "2000 Hanford Site Land Restrictions for Mixed Waste (M-26-01J). Report uses waste data from December 31, of the preceding year.
- **Schedule** Due date for 2000 LDR Report extended to July 31, 2000. As a rule, it is submitted annually by April 30.

RL Program Manager's Assessment of Contractor performance

- Satisfactory performance, on schedule

<u>Accomplishments/Activities</u>

- Several due dates changed as a result of Mutual Agreement and Extension signed by parties on October 26, 1999.
- Work is ongoing to resolve RL's disputes. On October 26, 1999, parties combined two ongoing RL disputes pending at the IAMIT (dated August 13, 1999 and October 18, 1999). Also extended the deadline to elevate dispute(s) to the Director of Ecology's level to January 31, 2000.
- Ecology's letter of November 16, 1999 provided clarification on waste designation pertinent to Alleged Violation #4, specified in Ecology June 3, 1999, NOC.

Milestone Assessment - schedule and technical

- RL believes milestone submittals have been complete and on schedule.

- Ecology maintains that the 1998 and 1999 LDR Reports have deficiencies.

Path Forward

- Resolve RL disputes by January 31, 2000, as part of ORP Privatization negotiations.
- Resolve Alleged Violation #1, #2, and #3, specified in Ecology June 3, 1999 NOC, under the TPA dispute resolution process, and Alleged Violation #4 under the NOC process.
- Begin 2000 LDR Report preparation process by February 29, 2000.
- Submit Corrective Measures Report addressing Alleged Violation #4, specified in Ecology June 3, 1999 NOC, by February 8, 2000.
- Ecology will not issue any orders or penalties for violations described in Ecology June 3, 1999 NOC, until February 8, 2000.

Potential Impacts on TPA

- Possibility of negotiating language of Interim Milestone M-26-01 and/or LDR Plan (Requirements Document) to reflect current needs.

Budget

No budget data available for FY 2000 first quarter because the budget for this report was combined with other environmental reports. The LDR Report itself is considered within the expected cost range. (Annual budget is typically around $100K).

NOC-related activities were unplanned and are adding costs to various programs.

ATTACHMENT 2

M-20 MILESTONE STATUS
PERMITS AND CLOSURE PLANS

Ellen Mattlin
U.S. Department of Energy, Richland Operations Office
Office of Site Services

January 2000

ACCOMPLISHMENTS
(last 3 months)

- **Closure Plans**
  - Closure activities for the 616 Nonradioactive Dangerous Waste Storage Facility (NRDWSF) are pending. The closure plan for the 616 NRDWSF is included in Modification E of the Permit.

ACCOMPLISHMENTS
(last 3 months)

Part A's:

- Submitted the following revised/new Hanford Facility Dangerous Waste Part A permit application documentation:
  - B Plant Complex, Part A, Form 3, Revision 8
  - 216-B-63 Trench, Part A, Form 3, Revision 5
  - DOE listed as the Owner/Operator, and CH2M Hill as a Co-operator for:
    - **New Part A, Form 1**
    - **DST System Part A, Form 3, Revision , Revision 10**
    - **Single-Shell Tank System Part A, Form 3 , Revision 6**
    - **Grout Treatment Facility Part A, Form 3 , Revision 7**
    - **204-AR Waste Unloading Station Part A, Form 3 , Revision 6**
- 100-D Ponds Part A, Form 3, page 1 was stamped "Closed 8/9/99" and was submitted to Ecology

3

ACCOMPLISHMENTS
(last 3 months)

Part B's:

- Submitted revised working draft (Revision 0A) of the Double-Shell Tank (DST) System Part B permit application to Ecology in support of planned permitting workshops (12/28/99)

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ACCOMPLISHMENTS (last 3 months)

- **Hanford Facility RCRA Permit**
  - Quarterly Class 1 modification packages submitted to Ecology in accordance with Permit Condition I.C.3 (10/7/99)
  - Submitted the annual Closure/Postclosure Cost Estimate Report to Ecology (10/28/99)
  - Submitted comment package to Ecology for proposed Modification E of the Permit (12/6/99)
  - Submitted comment package to the EPA for proposed modifications to the HSWA Portion of the Permit (12/17/99)
  - Submitted comment package to Ecology for transferring corrective action conditions from EPA to Ecology (12/20/99)

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PLANNED ACTION (next 6 months)

Closure Plans

- Continue closure activities and/or discussions associated with the following units:
  - 616 NRDWSF
  - 2401-W Storage Building (partial closure of Central Waste Complex [CWC])
  - 221-T T Plant Canyon Tank System
  - 303-K Storage Facility
- Establish closure strategy for the 1706-KE Waste Treatment System
- Establish closure plan submittal date for the 221-T Tank System

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PLANNED ACTION (next 6 months)

Part A

- Resolve issues associated with submittal of the following Part A Permit Application, Form 3s:
  - Waste Encapsulation and Storage Facility (WESF), Revision 0
  - Mixed Waste Disposal Units (MWDUs), Revision 12 formerly known as Low-Level Burial Grounds (LLBG)
  - Plutonium Finishing Plant (PFP) Treatment Unit, Revision 0

7

PLANNED ACTION (next 6 months)

- **Part B**
  - Continue efforts associated with NOD resolution for the 222-S Laboratory Complex Part B permit application, Revision 1, for inclusion in Modification F (2000) of the Permit
  - Support workshops with Ecology on the working draft (Revision 0A) of the DST System Part B permit application for inclusion in Modification G (2001) of the Permit
  - Submit working draft (Revision 0A) of T-Plant Part B permit application for inclusion in Modification H (2002) of the Permit (6/00)
  - Submit working draft (Revision 0A) of MWDUs Part B permit application for inclusion in Modification H (2002) of the Permit (6/00)

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PLANNED ACTION (next 6 months)

- **Hanford Facility RCRA Permit**
  - Submit Quarterly Class 1 Modification packages to Ecology in accordance with Permit Condition I.C.3 (1/10/00, 4/10/00)
  - Ecology issues final modification decision and responsiveness summary for Revision 6 of the Permit (3/00), the Permit is effective within 30 days
  - Submit annual dangerous waste report to Ecology (3/1/00)
  - Complete semi-annual sitewide inspection (banks of the Columbia River) (4/00)
  - Submit certified (final) permit documentation to Ecology for units being included in Revision 7 of the Permit (Modification F)

9

PLANNED ACTION (next 6 months)

- **Interim Status Requirements**
  - Begin discussions on implementation of interim status requirements at WESF
  - Submit Notice of Intent (NOI) for:
    - PFP addendum to add in new container storage areas
    - T Plant Complex to add a miscellaneous storage unit in 221-T building for storage of K-Basin sludge

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ISSUES

- **Concerns:**
  - Outstanding issues associated with the proposed Draft Permit (issued 10/99) are affecting the Permit revision process. These issues could impact the schedule for future Permit modifications (Modifications F and G)
  - Ability to address NODs on the 222-S Laboratory Complex could impact the inclusion of this TSD unit in Modification F of the Permit

#3
1-20-00

Hanford Spent Nuclear Fuel Project

Tri-Party Agreement M-34 Milestone Review

Ms. Carole Rodriguez
U.S. Department of Energy,
Richland Operations

January 20, 2000

ATTACHMENT 3

Tri-Party Agreement (TPA) Milestone Status

thru December 31, 2000

TPA Milestone	*Description*	*Due Date*	*Status*
M-34-03	Submit Proposed Plan and Focused Feasibility Study for Remedial Action for the K Basins	11/30/98	Completed 11/20/98
M-34-05-T01	Submit report on quantities, character, and management of K Basins debris	Annual	Completed 5/24/99
M-34-11-T01	Complete construction of K West Basin Integrated Water Treatment System	6/30/99	Completed 6/21/99
M-34-13A-T01	Complete construction and installation of K West Basin Spent Nuclear Fuel Retrieval System	7/31/99	Completed 9/30/99
M-34-15A-T01	Complete two bays of the Cold Vacuum Drying Facility construction and installation	10/31/99	Completed 10/31/99
M-34-14A	Complete K West Basin Cask Facility Modifications	2/29/00	On schedule
M-34-04	Submit Remedial Design Report/ Remedial Action Work Plan for the K Basins	3/31/00	On schedule
M-34-15B-T01	Complete remaining bay(s) of the Cold Vacuum Drying Facility construction and installation	6/30/00	On schedule
M-34-13B-T01	Complete construction and installation of K East Basin Spent Nuclear Fuel Retrieval System	11/30/00	On schedule
M-34-16	Initiate removal of K West Basin Spent Nuclear Fuel	11/30/00	On schedule
M-34-06-T01	Initiate K West Basin spent nuclear fuel canister cleaning operations	12/31/00	On schedule

TPA Milestone Status

- Milestone M-34-15A-T01 "Complete two bays of the Cold Vacuum Drying Facility construction and installation. The first two bays of the Cold Vacuum Drying Facility shall be constructed, all process equipment installed, and acceptance tests completed"
  - *Status: Complete 10-31-99 (on schedule)*
- Milestone M-34-14A "Complete K West Cask Facility modifications. The K West Cask System Facility modifications shall be constructed, installed and acceptance test(s) completed"
  - *Status: On schedule*
- Milestone M-34-04 "The DOE shall submit a Remedial Design Report/Remedial Action Work Plan for the K Basins Interim Action to EPA and Ecology for approval. This Work Plan shall be constrained by these (M-34-98-01A) Agreement milestones and target dates, and shall propose detailed schedules for initiating and completing activities required for the removal of hazardous substances from K Basins (spent nuclear fuel, sludge, debris and water)"
  - *Status: On schedule*
- Milestone M-34-15B-T01 "Complete remaining bay(s) of the Cold Vacuum Drying Facility construction and installation. The remaining bay(s) of the Cold Vacuum Drying Facility shall be constructed, all process equipment installed, and acceptance tests completed"
  - *Status: On schedule*

TPA Milestone Status
(Continued)

- Milestone M-34-13B-T01 "Complete construction and installation of K East Basin Spent Nuclear Fuel Retrieval System. The K East Basin spent nuclear fuel retrieval system shall be constructed, installed, and acceptance test(s) completed"
  - *Status: On schedule*
- Milestone M-34-16 "Initiate removal of K West Basin Spent Nuclear Fuel. The Cold Vacuum Drying (CVD) Facility and Canister Storage Building (CSB) shall be ready to receive spent nuclear fuel. The spent nuclear fuel transport system shall be operable. The K West Basin spent nuclear fuel retrieval system shall begin retrieving, cleaning, and packaging spent nuclear fuel, and the first Multi-Canister Overpack of spent nuclear fuel will be loaded and transported to the Cold Vacuum Drying Facility for processing"
  - *Status: On schedule*
- Milestone M-34-06-T01 "Initiate K West spent nuclear fuel canister cleaning operations. Canister cleaning operations consist of removal of all contents from each canister and processing of the canisters through the radioactive decontamination apparatus"
  - *Status: On schedule*

Significant Accomplishments

- Completed TPA Milestone M-34-15A-T01 "Complete two bays of the Cold Vacuum Drying Facility construction and installation" (10/31/99)
- Completed one million hours of work without a lost-time injury
- Issued letter SERs for MCO Topical Report and CVD Facility
- Initiated fabrication of MCOs and baskets
- Completed ISMS Phase I/II Verification
- Initiated PSI Phase I Management Readiness Review (MRR)

Significant Accomplishments
(Continued)

- Resolution and closure of technical issues
  - *Cask/MCO drop at CSB*
  - *CLS design approach for KE Basin*
  - *Fuel crumbling*
- Implementation of K Basin SAR, Rev. 3K & TSR, Rev. 0G
- Completed installation of MLS Grapple; completed staging of MLS Gantry

Upcoming Activities

- RL approve CTFM Cask Loadout FSAR update
- Start functional testing Phase 1 of IWTS & FRS as part of PSI (January 2000)
- Submit CSB FSAR update to RL (January 31, 2000)
- Complete CSB tube welding (February 28, 2000)
- RL approve CSB FSAR (Goal: February 28, 2000)
- Complete KW Basin Cask Facility Modifications (February 28, 2000)
- Start installation of CSB standard plugs (March 1, 2000)
- Start CVD integrated MCO/Process PAT (March 2, 2000)
- Submit CERCLA remedial design report to EPA (March 31, 2000)
- Deliver 1st shipment of MCOs & baskets (June 1, 2000)

SNF Project Issues/Concerns

- Budget for FY2000

Permitting and Regulatory Issues

- None

Non-TPA Regulatory Issues with Potential to Impact TPA Milestones

- None

Spent Nuclear Fuel Project
Financial Status thru December
(based on early start schedule)

$ in 000s	BCWS	BCWP	ACWP	SCHEDULE VARIANCE	COST VARIANCE	BAC
EXPENSE	$31,298	$27,695	$33,163	($3,602)	($5,467)	$152,741
CAPITAL EQUIPMENT	4,729	1,659	3,091	(3,070)	(1,432)	18,617
GENERAL PLANT PROJ	153	15	0	(139)	14	851
LINE ITEM	7,284	4,417	8,242	(2,867)	(3,824)	22,865
TOTAL	$43,464	$33,786	$44,495	($9,678)	($10,709)	$195,074

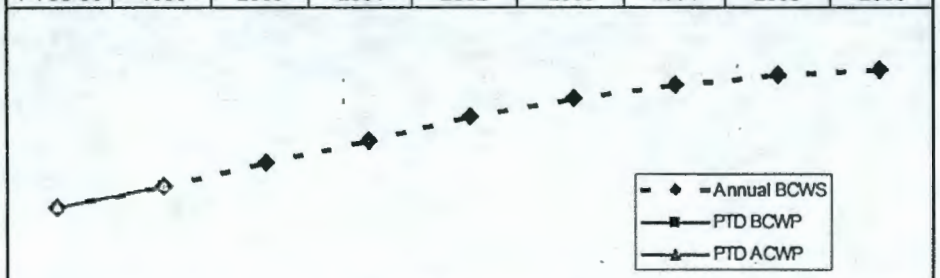
Schedule Variance
- [(26%)] Facility Mods KE construction behind schedule due to resources to support KW Punchlist & Testing.
- [(23%)] Canister Storage Building Construction Contract is inconsistent with baseline, but meets end date.
- [(11%)] Modular office trailer behind schedule (no impact).
- [(7%)] Cold Vacuum Drying timephasing error for safety class instrumentation; on schedule and will be completed in June.
- [(7%)] IWTS KE construction behind schedule due to design/fabrication rebid for competitive price evaluation.

Cost Variance
- [(33%)] CVD Engineering & Testing cost higher than planned; working to mitigate impacts.
- [(13%)] Startup and testing activities overrun; DN in process.
- [(11%)] Safety Analysis Reports not budgeted in FY 2000; BCR in process.
- [(8%)] K Basin Facility Mods overrun resulting from KE mezzanine removal punchlist items, panel 9 installation and MEI reroute; BCR in process.

Hanford Spent Nuclear Fuel Project

SNF Project - Total Project Baseline

TOTAL



	FY95-98	1999	2000	2001	2002	2003	2004	2005	2006
Annual BCWS	533,003	718,612	913,686	1,104,173	1,300,273	1,452,204	1,557,182	1,642,596	1,688,953
PTD BCWS	533,003	718,612	762,076						
PTD BCWP	533,003	717,915	751,701						
PTD ACWP	533,003	718,798	763,293						
% Sch	31.6%	42.5%	45.1%	65.4%	77.0%	86.0%	92.2%	97.3%	100.0%
% Cmpl	31.6%	42.5%	44.5%						
SPI	1.00	1.00	0.99						
CPI	1.00	1.00	0.98						

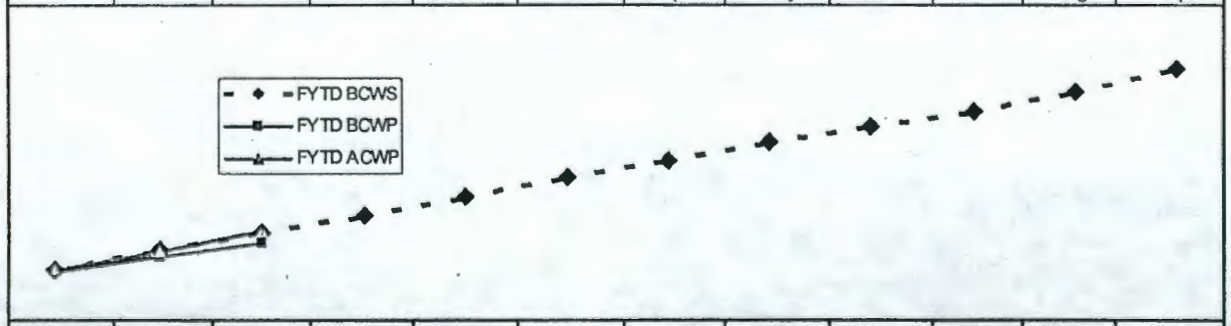
Life Cycle	
*BAC=	1,714,888
EAC=	1,714,888
CV=	0
Trend=	-

*Includes $25,935K for FY2007.

Year End	
BCWS	195,075
Forecast	195,075
Delta	-

Project to Date	
BCWS=	762,076
BCWP=	751,701
ACWP=	763,293
SV=	(10,374)
CV=	(11,592)

Fiscal Year 2000



	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
FYTD BCWS	8,574	27,783	43,464	59,030	75,688	94,807	109,967	127,549	141,686	155,670	173,998	195,075
FYTD BCWP	8,049	22,016	33,786									
FYTD ACWP	8,609	26,143	44,495									
Sched VAR	(525)	(5,767)	(9,678)									
Cost VAR	(560)	(4,128)	(10,709)									

Hanford Spent Nuclear Fuel Project

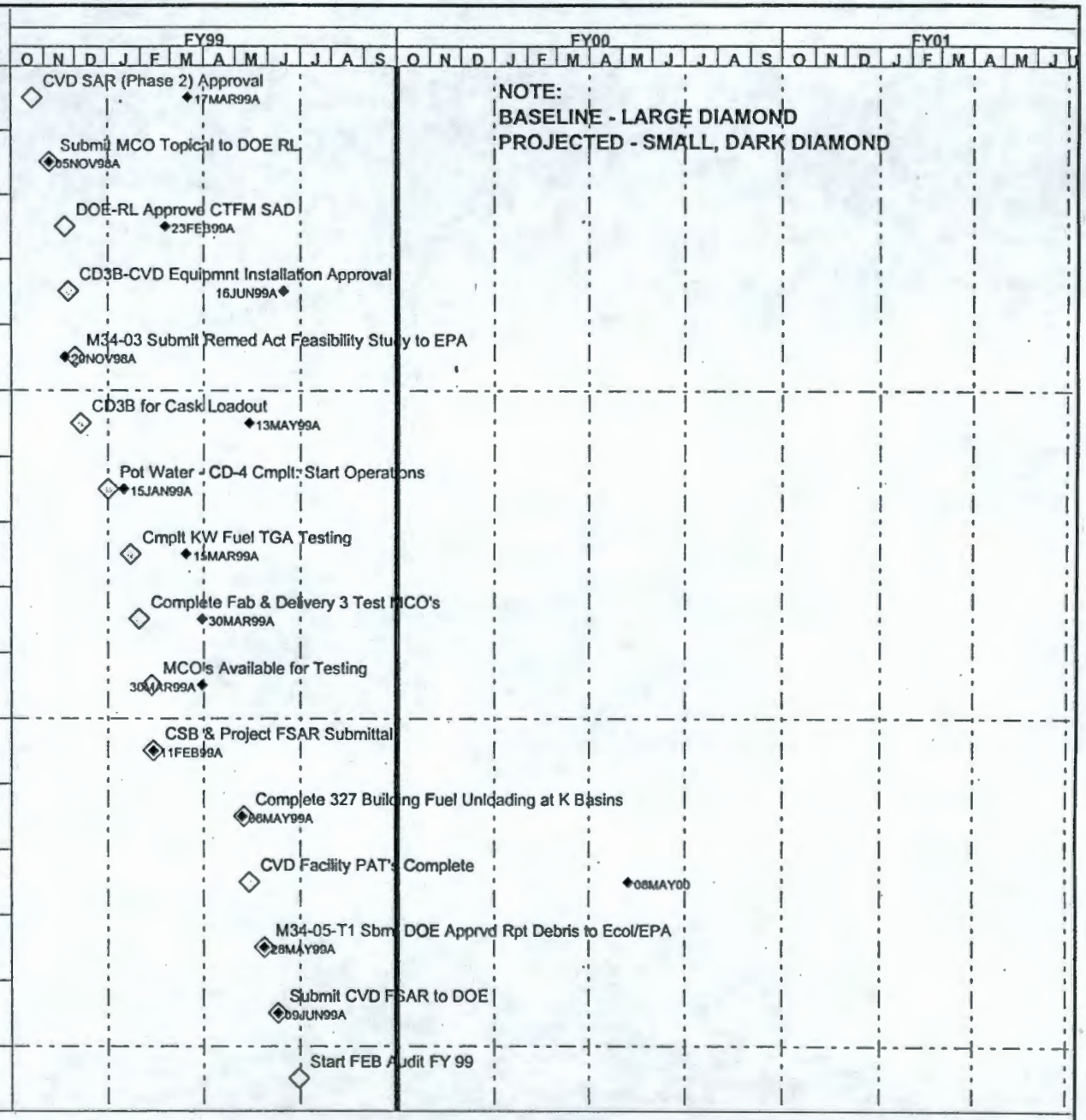
SNF Project Financial Status thru December

($ IN 000'S)

EXPENSE:	BCWS	BCWP	—FYTD— ACWP	SCHED VAR	COST VAR	FYTD ESTIMATED ACTUALS	FYTD ESTIMATED COST VAR	BAC
Project Management and Integration	5,004	5,000	6,180	(4)	(1,180)	6,246	(1,246)	33,074
Site Wide SNF Projects (327 Fuel Transfer)	0	0	41	0	(41)	41	(41)	0
Project Mgmt. and Integration (Project Fee)	1,857	1,857	2,507	(0)	(651)	2,507	(651)	8,210
* K Basins Maint. and Oper. (Through F.M.)	6,902	6,896	7,388	(6)	(492)	7,446	(550)	30,073
K Basin Project Support	60	60	255	(0)	(195)	255	(195)	266
* K Basins Facility Projects (Des/ Mod/ Const)	1,671	1,075	1,455	(596)	(380)	1,455	(380)	4,062
* Fuel Retrieval Project (Des/ Mod/ Const)	1,468	949	1,858	(519)	(909)	1,858	(909)	9,366
* Water Treatment (Des/ Mod/ Const)	216	216	321	(0)	(105)	321	(105)	957
* Debris Removal Project (Des/ Mod/ Const)	551	155	170	(396)	(14)	193	(38)	1,240
* MCO Acquisition (Des/ Mod/ Const)	3,242	3,472	4,279	230	(807)	4,100	(628)	14,353
Cask Transportation System (Des/ Mod/ Const)	14	14	114	(0)	(100)	92	(78)	62
* K Basin Cold Vacuum Facility (Des/ Mod/ Const)	72	73	376	1	(303)	376	(303)	317
Debris Removal Project. (During F.M.)	0	0	0	0	0	0	0	21
* SNF Relocation Common Operations	6,729	5,387	5,393	(1,342)	(7)	5,988	(601)	29,155
* K Basin CVD Facility (Operations)	921	435	317	(486)	118	317	118	7,190
Sludge Removal Project (Des/ Mod/ Const)	0	0	1	0	(1)	1	(1)	0
Sludge Treatment Project (Des/ Mod/ Const)	0	0	2	0	(2)	2	(2)	0
Transition Project Management	31	31	44	(0)	(14)	44	(14)	135
* Acquire Systems for Facility Deactivation	907	764	811	(143)	(47)	788	(24)	3,681
* Canister Storage Bldg. Facility (Des/ Mod/ Const)	120	120	1,179	(0)	(1,059)	1,179	(1,059)	480
* Canister Storage Building Operations	991	993	309	2	684	309	684	6,861
* Site Wide SNF (Des/ Move Fuel to 200 ISA)	543	199	162	(344)	37	162	37	3,239
SUBTOTAL EXPENSE	31,298	27,695	33,163	(3,602)	(5,467)	33,680	(5,985)	152,741
CAPITAL EQUIPMENT:								
* K Basins Facility Projects (Des/ Mod/ Const)	2,957	822	1,448	(2,135)	(626)	1,448	(626)	7,355
* Water Treatment (Des/ Mod/ Const)	1,149	539	1,163	(610)	(624)	1,163	(624)	10,356
* SNF Relocation Common Operations	568	284	421	(284)	(137)	421	(137)	811
* Canister Storage Bldg. Facility (Des/ Mod/ Const)	55	14	58	(41)	(44)	58	(44)	95
SUBTOTAL CAPITAL EQUIPMENT	4,729	1,659	3,091	(3,070)	(1,432)	3,091	(1,432)	18,617
GENERAL PLANT PROJECTS:								
* Site Wide SNF (200 ISA Des/ Const)	153	15	0	(139)	14	0	14	851
SUBTOTAL GENERAL PLANT PROJECTS	153	15	0	(139)	14	0	14	851
LINE ITEM:								
Project Management and Integration	0	0	2	0	(2)	2	(2)	6,156
* K Basin Cold Vacuum Facility (Des/ Mod/ Const)	2,600	1,927	6,118	(673)	(4,191)	6,118	(4,191)	6,140
* Canister Storage Bldg. Facility (Des/ Mod/ Const)	4,684	2,490	2,121	(2,194)	369	2,267	223	10,569
SUBTOTAL LINE ITEM	7,284	4,417	8,242	(2,867)	(3,824)	8,387	(3,970)	22,865
TOTAL SNF PROJECT	43,464	33,786	44,495	(9,678)	(10,709)	45,159	(11,373)	195,074

** Detailed information contained in this report.*

Activity ID	BASELINE E S	BASELINE E F	MILN	MILE	Total Float
HBW3701C59		19OCT98A	S08-97-070	CXX	
FAWA1254		05NOV98A	S05-98-100	FOX	
FCW091932		20NOV98A	S04-99-816	ROX	
HBW3501B09	24NOV98A		S08-97-020	CXX	
AAW00A2		30NOV98A	S01-99-122	HEI	
FCW000NEW		04DEC98A	S04-98-721	CXX	
DEW1302992		31DEC98A	S04-97-101	CXX	
BBW4610A-5		21JAN99A	S02-98-135	ROX	
FAWA1180		29JAN99A	S05-99-002	CXX	
FAWA0980	11FEB99A		S05-98-004	CXX	
GAW620280		11FEB99A	S07-97-054	ROX	
UAW000610		07MAY99A	S09-99-120	ROX	
HBW3501C75		12MAY99A	S08-99-075	CXX	
EFW11041		28MAY99A	S04-99-815	ROT	
HBW3701C92		09JUN99A	S08-99-067	CFX	
DAW910501M	30JUN99A		S03-99-505	CXX	



Start Date	01OCT96
Finish Date	28SEP46
Data Date	01OCT99
Run Date	19JAN00 14:04

Early Bar
Projected Bar
Progress Bar

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Sheet 1 of 3

SPENT NUCLEAR FUEL PROJECT

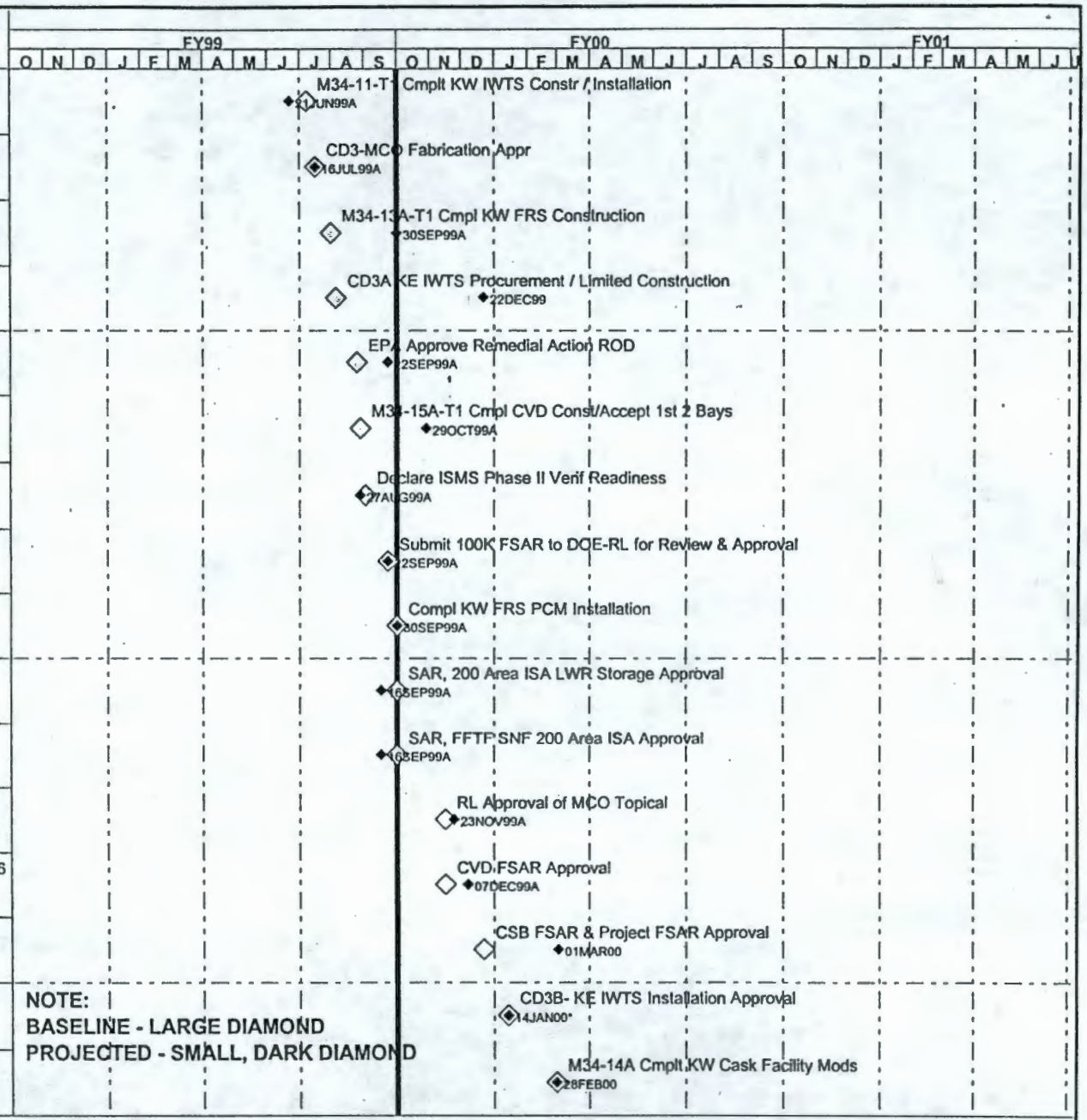
MONTHLY MILESTONE REPT (FY99-11/00)

BASELINE vs. CURRENT SCHEDULE

LT-65 Current Data Date 12/27/99

Date	Revision	Checked	Approved

Activity ID	BASELINE E S	BASELINE E F	MILN	MILE	Total Float
EGW1507199		07JUL99A	S04-97-620	FOT	
FAWMCD3		16JUL99A	S05-97-011	CXX	
ECWM4011PA		30JUL99A	S04-97-355	FOT	
EGW1504999		05AUG99A	S04-97-616'	CXX	
AAW00A3		24AUG99A	S01-99-123	CXX	
HBW3501D01		27AUG99A	S08-99-069	FOT	
DAW02A44F		01SEP99A	S03-98-652	CFX	
DAW710302C		22SEP99A	S03-98-611	ROX	
ECWM4015PA		30SEP99A	S04-99-360	ROX	
TKW100160		30SEP99A	S09-00-100	CFX	
TKW300200		30SEP99A	S09-98-110	CFX	
FAWA1259		15NOV99	S05-98-015	CXX	66
HBW3701C9G		15NOV99	S08-99-068	CXX	11,806
GAW620295		21DEC99	S07-97-053	ROX	95
EGW1999155		14JAN00	S04-00-721	CXX	154
FCW091199		28FEB00*	S06-97-009	HEI	50



Start Date	01OCT96
Finish Date	28SEP46
Data Date	01OCT99
Run Date	19JAN00 14:04

Early Bar
Projected Bar
Progress Bar

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Sheet 2 of 3

SPENT NUCLEAR FUEL PROJECT

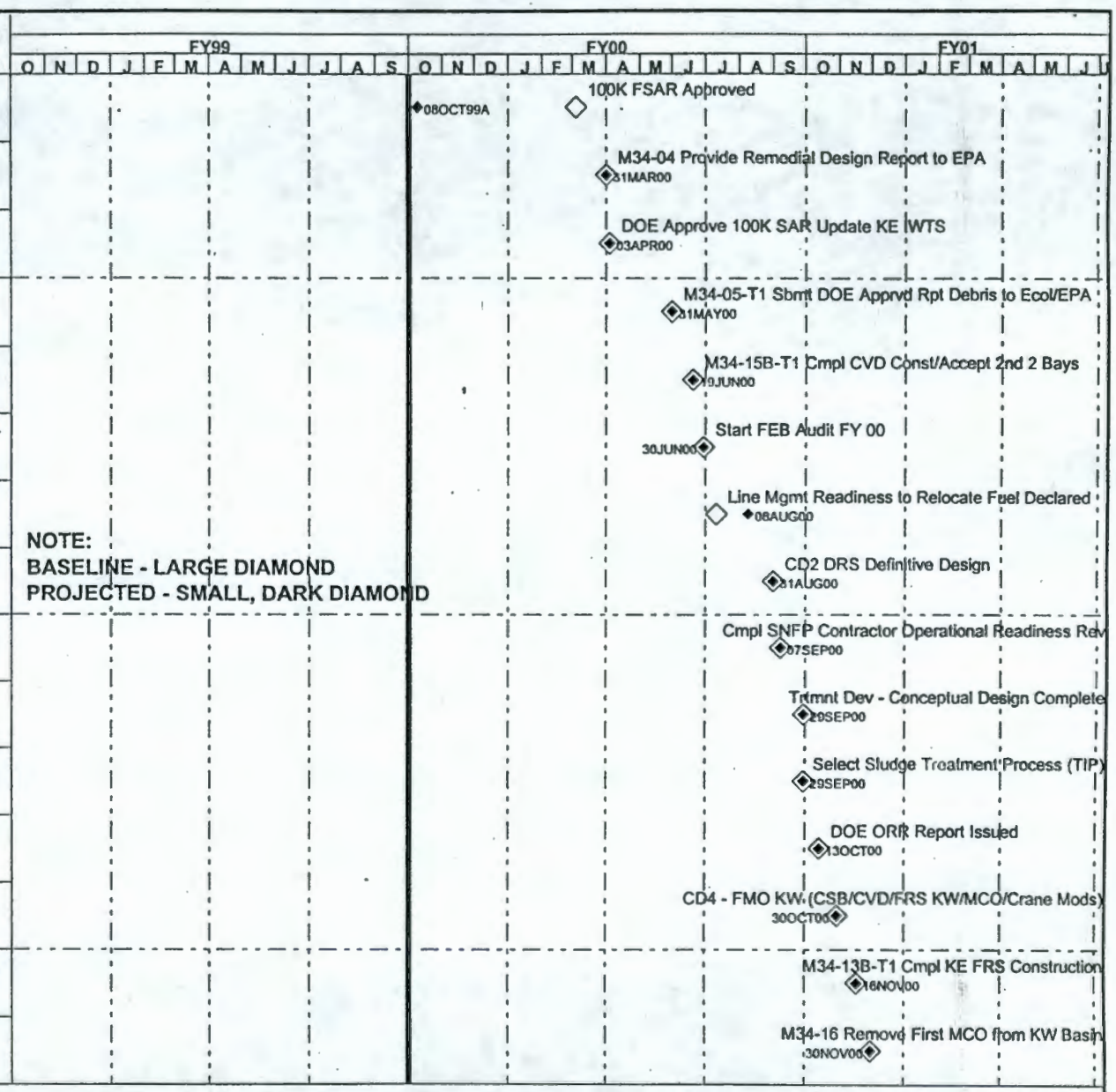
MONTHLY MILESTONE REPT (FY99-11/00)

BASELINE vs. CURRENT SCHEDULE

LT-65 Current Data Date 12/27/99

Date	Revision	Checked	Approved

Activity ID	BASELINE E S	BASELINE E F	MILN	MILE	Total Float
DAW02A16		03MAR00	S03-97-055	CXX	6
AAW00A4		31MAR00	S01-99-124	HEI	127
DAW02A36		03APR00	S03-97-052	CXX	239
EFW11051		31MAY00	S04-00-515	ROT	65
HBW3501D02		19JUN00	S08-99-070	FOT	3
DAW920501M	30JUN00		S03-00-505	CXX	1,344
DAW01A23A		10JUL00	S03-98-604	CXX	0
EFW1502999		31AUG00	S04-98-510	CXX	15
DAW01A24A		07SEP00	S03-98-602	ROX	0
EJW03399		29SEP00	S04-00-801	CXX	0
EJW03399A		29SEP00	S04-00-300	RTX	0
DAW01A27		13OCT00	S03-98-625	ROX	0
DAW01A28	30OCT00		S03-98-620	ROX	0
ECWA4210		16NOV00	S04-98-356	FOT	125
AAW00A1	30NOV00		S00-01-900	HEI	0



NOTE:
BASELINE - LARGE DIAMOND
PROJECTED - SMALL, DARK DIAMOND

Start Date	01OCT96
Finish Date	28SEP46
Data Date	01OCT99
Run Date	19JAN00 14:04

Early Bar
Projected Bar
Progress Bar

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Sheet 3 of 3

SPENT NUCLEAR FUEL PROJECT

MONTHLY MILESTONE REPT (FY99-11/00)

BASELINE vs. CURRENT SCHEDULE

LT-65 Current Data Date 12/27/99

Date	Revision	Checked	Approved

324 Facility Stabilization

Milestone
TPA-M-89

IAMIT Meeting January 20, 2000
Tri-Party Agreement Milestone
Status Report

Ecology Project Manager - AB Stone
DOE-RL Program Manager - DW Templeton
FH Environmental Sponsor - JK Perry

ATTACHMENT 4

Active Milestone Overview

Milestone M-89-00 Interim Milestones and Target Dates

Milestone	Description	Target Date	Status
M-89-00	Complete closure of non-permitted mixed waste units in the 324 Building REC B-Cell, REC D-Cell, and the High-Level Vault.	10/31/05	In progress
M-89-02	Complete removal of 324 Building REC B-Cell MW and equipment.	11/30/00	In progress

Program Manager's Assessment

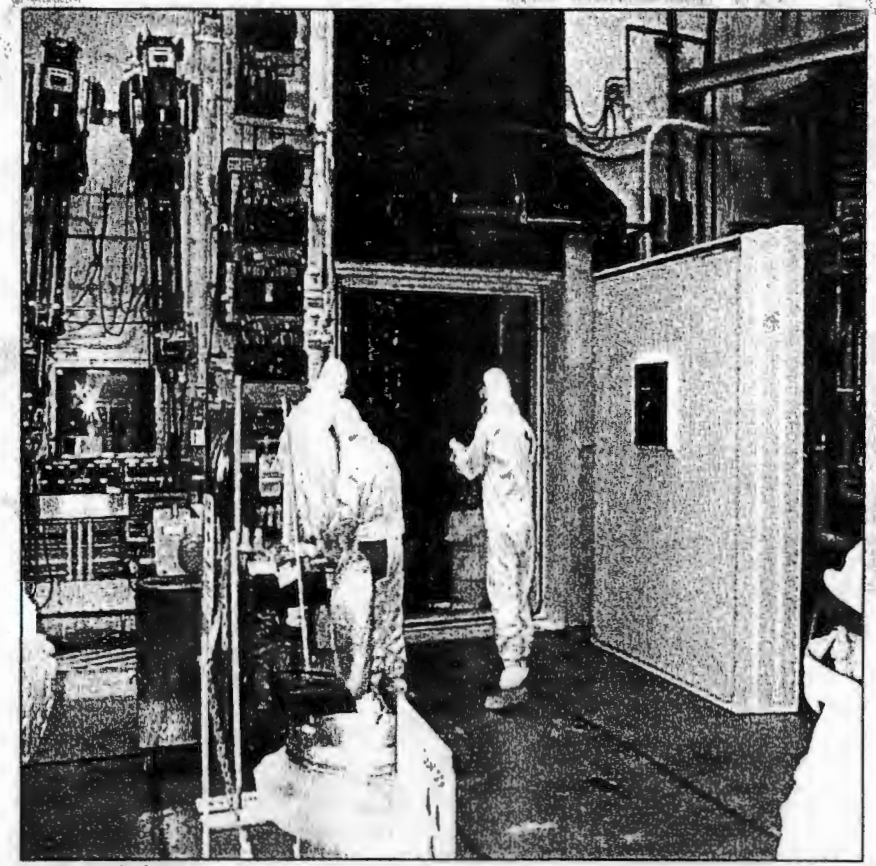
Since last quarterly review

Environmental - *Excellent*

All activities related to completion of the M-89 milestone have been conducted in compliance with environmental regulations. No adverse impacts to the environment have occurred.

Safety - *Excellent*

All activities related to completion of the M-89 milestones have been conducted safely during the most recent quarter. Cutting operations, crane repairs, steam system repairs, and airlock entries have all been conducted safely.



Entering air-lock for cell entry

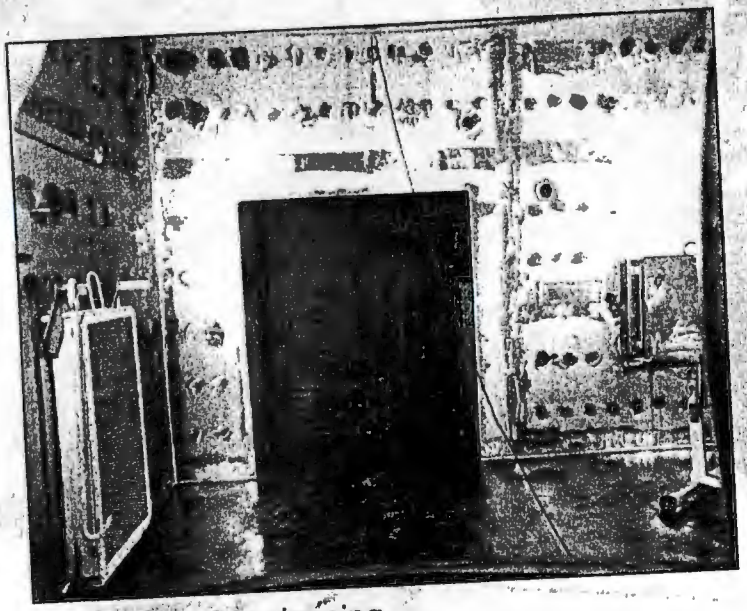
Program Manager's Assessment

Since last quarterly review

Cost - *Marginal*

The end of FY 1999 B-Cell Cost Variance is primarily attributable to:

- Repair of B-Cell Cranes
- Increased Liquid Waste Handling System Design Costs.
- A-Cell clean-out activities cost more than budgeted.



324 C-Cell after cleaning

River Corridor Project

Program Manager's Assessment

Since last quarterly review

Schedule -*Marginal*

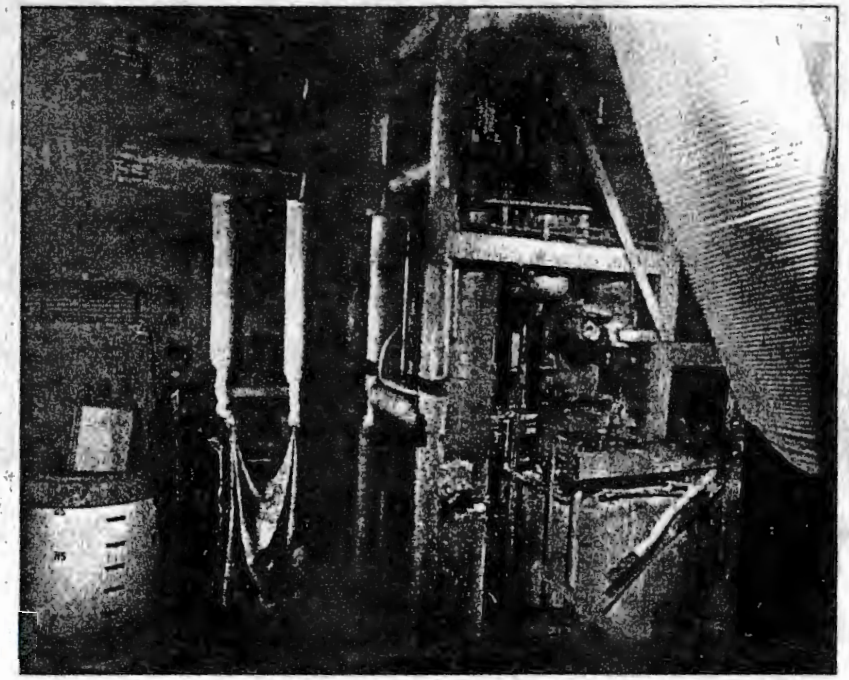
B-Cell remains significantly behind schedule for completion of milestone TPA-M-89-02 by November 30, 2000. Emphasis is being placed on Rack 2A removal and size reduction, and equipment repairs. A revised Project Management Plan is due to DOE in January, which will define a revised logic path to completion of milestones M-89-02, due in 11/00, and M-89-00, due in 2005.

Unresolved issues with the TRU/LLW classification of grout containers continued to be a major B-Cell issue. Shipment of all grout containers had been suspended pending resolution of TRU/LLW characterization issues. Inability to ship grout containers had caused space limitations in B-Cell. Technical issues have been resolved and movement of grout containers into A-Cell has been initiated.

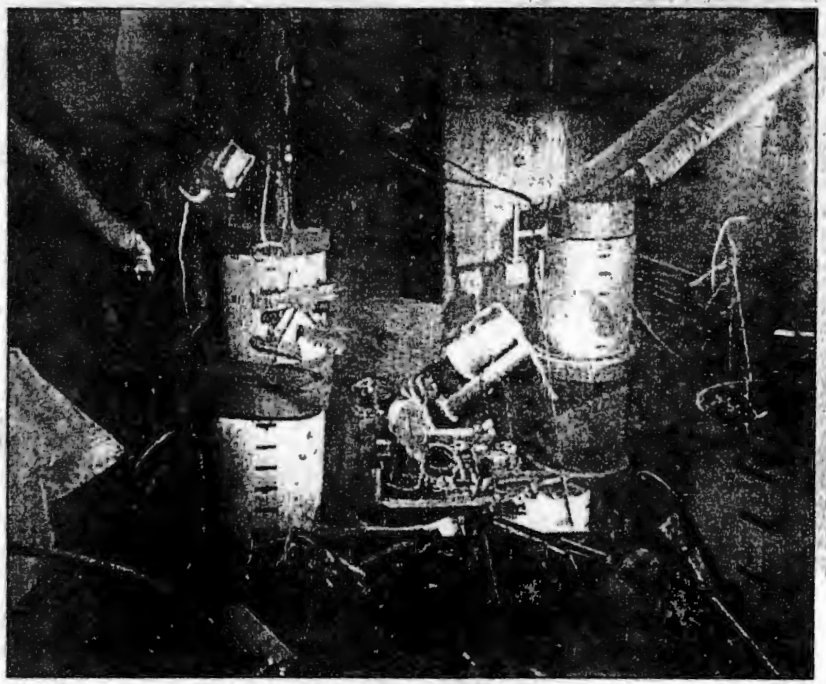
Baseline Change Requests approved in September deferred some M-89-02 work scope into FY 2000. Work scope deferred includes:

- Preparation and shipment of 1A Rack waste in 3-82B Casks
- Preparation and shipment of 2A Rack waste in 3-82B Casks
- Deferred procurement of 22.5 ton waste boxes necessary for shipment of additional REC waste.

Total M-89-02 workscope identified for "carryover" from FY 1999 to FY 2000 is valued at ~$1,400K.



1A Rack early photo



Last 10 % of 1A rack: Groutcontainers in the background

River Corridor Project

Significant Accomplishments

Since last Quarterly Review

M-89-02

- The 324/327 Buildings Waste Management Strategy Document (Correspondence FDH-9958138) was issued on October 28, 1999.
- The B-Cell Crane Long-Range Improvement Plan (Correspondence FDH-9958138) was issued on October 28, 1999.
- HNF-5065, "B-Cell Dispersible Material Removal Engineering Trade Study," was released 9/13/99."
- An upgraded SARP for the 3-82B Shipping Cask was released on September 23, 1999.
- Valuable clean-out information was gathered during a technical exchange with Battelle-Columbus staff during the week of October 25, 1999.
- The Robotics ASTD Request for Proposals (RFP) for "Deploying a Robot Work Platform for Large Hot Cell Deactivation" was issued October 22, 1999. Deployment is currently scheduled for September 2000.
- A/D Crane was successfully repaired 12/9/99.
- Installed new camera system into B-Cell on 12/12/99 to significantly improve in-cell video images.

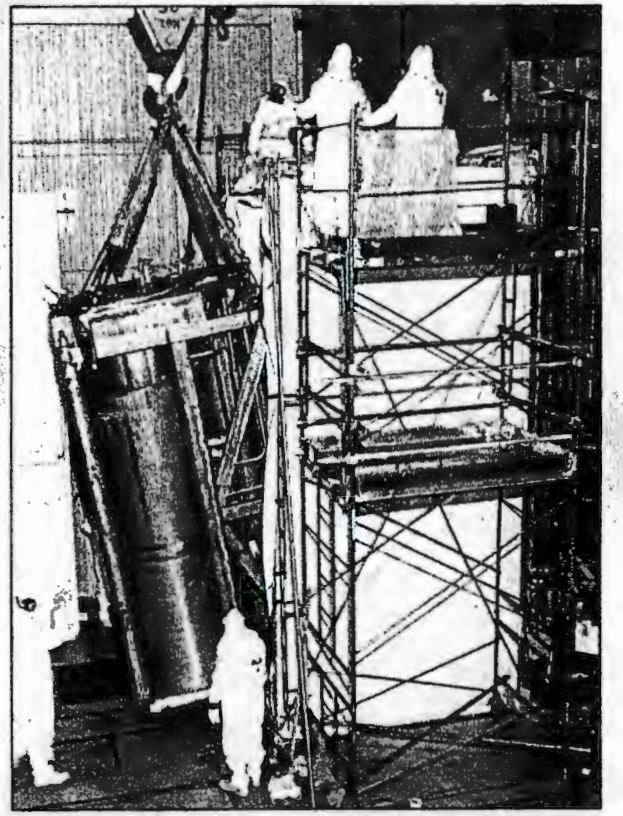
Significant Accomplishments

Since last Quarterly review

M-89-02

- 1A Rack size reduction was completed; the rack pieces, and associated waste, have been packaged in preparation for shipment to burial.
- RFPs for the procurement of the 22.5 ton waste boxes were released to venders.
- 200 Area Burial Grounds preparation for receipt of TRU containing Grout Containers was completed.
- TRU/LLW characterization issue was resolved and technical support documentation issued.
- Clean-out of A-Cell was completed.
- 6 Grout containers were moved from B-Cell to A-Cell.
- Repair of the 30-ton crane was completed, returning the crane to full service. Additional non-critical repairs have been defined that will be coordinated for completion during REC work windows.
- A letter was issued to Ecology on 12/8/99 that provides a more complete definition of the M-89-02 performance standard (Note: Ecology's comments were addressed prior to issuance).
- Initiated negotiations with SNF Program to define alternative packaging for the commercial spent fuel in B-Cell.

A-Cell Electropolisher Removal



A-Cell Electropolisher going from REC air-lock to cask handling area for packaging

A-Cell Electropolisher ready for transport from the 324 Building to burial

Significant Planned Actions

Next Three Months

M-89-02

- Remove the Rack 2A from the wall and initiate size reduction.
- Initiate shipping grout containers to LLBG for storage/disposal.
- Award bid for fabrication of 22.5 ton waste boxes.
- Repair the B-Cell crane door.
- Repair A-Cell crane.
- Continue with repairs to the 30-ton crane.
- Award contract for ASTD Remote/Robot Work Platform.
- Update the 324/327 Buildings Stabilization/Deactivation Project PMP. The update will resequence outyear activities to minimize the potential recontamination of areas and accelerate Spent Nuclear Fuel removal.
- Initiate procurement of equipment to collect B-Cell dispersible material.
- Procure/fabricate additional 3-82B liners and grout containers.
- Initiate technical work plans for removal of miscellaneous items from B-Cell.
- Continue to stage full grout containers in A-Cell. This practice will alleviate B-Cell congestion and allow for more efficient B-Cell operations.

Issues

Issue:
Unresolved Issue with TRU/LLW Classification of Grout Containers.

Impact:
TRU/LLW classification continued to be a major B-Cell project issue. Shipment of all grout containers was suspended, pending resolution of TRU/LLW classification issue. Inability to ship grout containers has caused space limitations in B-Cell.

Resolution:
TRU/LLW classification documentation has been issued, closing this issue.

Issues

Issue: Progress towards completion of the M-89-02 milestone continues to lag behind schedule.

Impact - If not recovered, could delay completion of Phase I Closure Activities.

Status/Corrective Actions -

- TRU/LLW characterization issue was resolved in October, 1999.
- Storage capacity accommodation completed in 200 Area Burial Grounds for RH-TRU waste.
- Clean out of A-Cell enables storage of B-Cell waste, allowing for improved efficiency.
- A dedicated crane team continues to seek means of improving crane
- New task team formed to evaluate predictive failure actions and equipment alternatives.

Issue: Progress towards completing M-89-02 and subsequent phases of the Closure Plan activities requires continued funding to support those activities.

Impact - Lack of sufficient funding places achievement of the M-89-02 Milestone in jeopardy.

Status/Corrective Actions -

- FY-2000 funding for 324 Building is sufficient (except for carryover work scope) to meet M-89-02 Milestone commitment.
- Carryover work scope has been included in the scope of the FY-2000 carryover BCR which is being submitted to RL for approval.
- Identified FY-2001 budget shortfalls for 324 Building Closure Plan activities have been communicated to HQ, however the shortfalls are not yet resolved.

Project Summary

- TRU/LLW characterization issues have been resolved, allowing future shipment of B-Cell Grout Containers, as soon as equipment repairs allow.

- Clean-out of A-Cell has allowed temporary relocation of B-Cell Grout Containers into A-Cell. Relocation of the B-Cell Grout Containers into A-Cell alleviates congestion in B-Cell, allowing for more efficient B-Cell operations.

- Evaluation of recovery options to meet the M-89-02 milestone continue. Workshops held to identify more efficient approaches to achieving the M-89-02 milestone are completed and are reflected in the revised PMP to be issued in January, 2000. Revised schedule shows M-89-02 is achievable if equipment performs as required.

#5 1-20-00.

Nuclear Materials and Facility Stabilization

Milestone TPA-M-92

AMIT Meeting January 20, 2000
Tri-Party Agreement Milestone
Status Report

Ecology Program Manager - AB Stone
DOE-RL Program Manager - DW Templeton
FH Environmental Sponsor - JK Perry

ATTACHMENT 5

Milestone M-92-00 Interim Milestones and Target Dates

Milestone	Description	Target Date	Status
M-92-00	Complete acquisition of new facilities, modification of existing facilities, and/or modification of planned facilities necessary for the storage, treatment/processing, and disposal of Hanford Site cesium and strontium capsules (Cs/Sr), bulk sodium (Na), and 300 Area special-case waste (SCW).	TBD	TBD
M-92-01	Complete commercial disposition and/or acquisition of new facilities, modification of existing facilities, and/or modification of planned facilities necessary for sitewide consolidation, and storage prior to commercial use, or treatment and/or repackaging by DOE TWRS.	12/31/09	On schedule
M-92-05	Inclusion of Hanford Site Cs/Sr "treatment and/or repackaging parameters" in DOE TWRS Phase II Request for Proposals (treatment and/or repackaging of all remaining Cs/Sr).	6/30/03	On schedule
MX-92-06-T01	Complete commercial disposition and/or the acquisition of new facilities, modification of existing facilities, and/or modification of planned facilities necessary for storage, treatment/processing, and disposal/disposition of all Hanford Site UU.	12/31/00	In progress
M-92-09	Complete acquisition of new facilities, modification of existing facilities, and/or modification of planned facilities necessary for storage, treatment/processing, and disposal of Hanford Site sodium.	In abeyance	On hold
M-92-10	Submit Hanford Site Sodium Project Management Plan (PMP) to Ecology pursuant to Agreement Action Plan Section 11.5.	In abeyance	On hold
MX-92-11-T01	.Complete disposition options for all Hanford non-radioactive sodium.	3/31/02	On hold
M-92-12	Complete acquisition of new facilities, modification of existing facilities, and/or modification of planned facilities necessary for consolidated storage prior to disposal of Hanford Site 300 Area special-case waste (SCW).	9/30/06	On schedule
M-92-13	Submit 300 Area SCW PMP to Ecology pursuant to Agreement Action Plan, Section 11.5.	9/30/00	Ahead of schedule
M-92-14	Complete removal and transfer, and initiate storage of Phase I 300 Area SCW waste and materials. Phase I inventory will consist of, at minimum, one-third the total curie content of all 300 Area SCW.	9/30/02	Ahead of schedule
M-92-15	Complete removal and transfer, and initiate storage of Phase II 300 Area SCW waste and materials. Phase II inventory will consist of, at minimum, half of the remaining curie content of 300 Area SCW waste and materials.	9/30/04	On schedule
M-92-16	Complete removal and transfer and initiate storage of Phase III 300 Area SCW and materials.	9/30/06	On schedule

Program Manager's Assessment

Since last quarterly review

Environmental - Excellent

No negative environmental impacts or issues have arisen out of the storage and/or handling, packaging, or transportation of the Special Case Waste (SCW) inventory.

Safety - Excellent

No negative safety impacts or issues have arisen out of the storage and/or handling, packaging, or transportation of the Special Case Waste inventory.

Cost - Excellent

Key Milestone M-92 activities are being completed within budget.

Program Manager's Assessment

Since last quarterly review

Schedule – Excellent

- The near-term milestones are being completed on and ahead of schedule.
- Uranium disposition discussions between Oak Ridge and Hanford are continuing. The current discussions would ship 90-100% of the Hanford Uranium inventory to Oak Ridge. A Safety Analysis Report for Packaging (SARP) for Uranium billets has been forwarded to DOE-HQ for review. (MX-92-06-T01)
- Sodium Disposition items (M-92-09 and -10) are on-hold pending a decision regarding future missions at the FFTF. The due dates for these milestones have been changed to "in abeyance."
- About 5900 pounds of drummed sodium was shipped from the site for recycle.
- M-92-13 through M-92-14 are well ahead of schedule and are projecting early completion. Documentation which defines the 300 Area Curie Inventory has been approved by FHI and PNNL. The 300 Area SCW PMP was transmitted to RL for review/concurrence on 11/29/99.
- The Phase 1 Tank Waste Treatment Plant under the Office of River Protection (ORP) is being designed such that an annex for processing cesium and strontium capsules could be incorporated later with minimal impact. The ORP baseline still assumes disposal of the capsules in Phase 2 in accordance with milestone M-92-05.

Significant Accomplishments

Since last Quarterly Review

MX-92-11-T01 Sodium residue was removed from the sodium "wetting station" and one of the two 221-T tanks, via the moist nitrogen process using the portable sodium cleaning station. Removal of sodium residue from the second tank began the week of November 8, 1999 and is continuing.

MX-92-06-T01 EA for disposition of of surplus Hanford Site uranium was issued for public review on December 16, 1999.

M-92-13 HNF-1730 Rev 2, 324/327 Buildings Special Case Waste Assessment and Disposition Alternatives Analysis, was issued on October 28, 1999.

The SCW Project Management Plan (HNF-5068) was issued by FHI and transmitted to RL on November 29, 1999. PMP is currently under technical review within RL.

M-92-14 Prepared draft closure documentation. Milestone will be documented as complete following finalization of the SCW PMP.

M-92-14/15 Completed packaging and shipping of 23 327 Building waste drums containing hot cell legacy waste buckets to the Central Waste Complex in FY 1999.

Significant Planned Actions

Next Three Months

M-92-00

- Reevaluate the Draft M-92 Memorandum of Agreement responsibilities due to DOE-RL restructuring.

MX-92-06-T01

- Continue discussions regarding transfer of 90-100% of the Hanford Uranium inventory to Oak Ridge. Uranium disposition team developing pathway options.
- The EA 35-day public comment period for disposition of surplus Hanford Site uranium may be extended to accommodate requests from interested parties/reviewers. All public comments will be considered before EA finalization (estimated to be complete by March 31, 2000). After finalization, DOE will determine if an EIS is required for the proposed action.

M-92-11-T01

- Continue cleaning of sodium residuals from 221-T sodium tank in the 337 High Bay

M-92-13

- RL will approve the SCW PMP. The SCW PMP will be transmitted by RL to ECOLOGY for concurrence.

M-92-14

- Issue closure documentation following issuance of the SCW PMP. The documentation will recommend that M-92-14 be accepted for closure based on the quantity of material shipped to date.

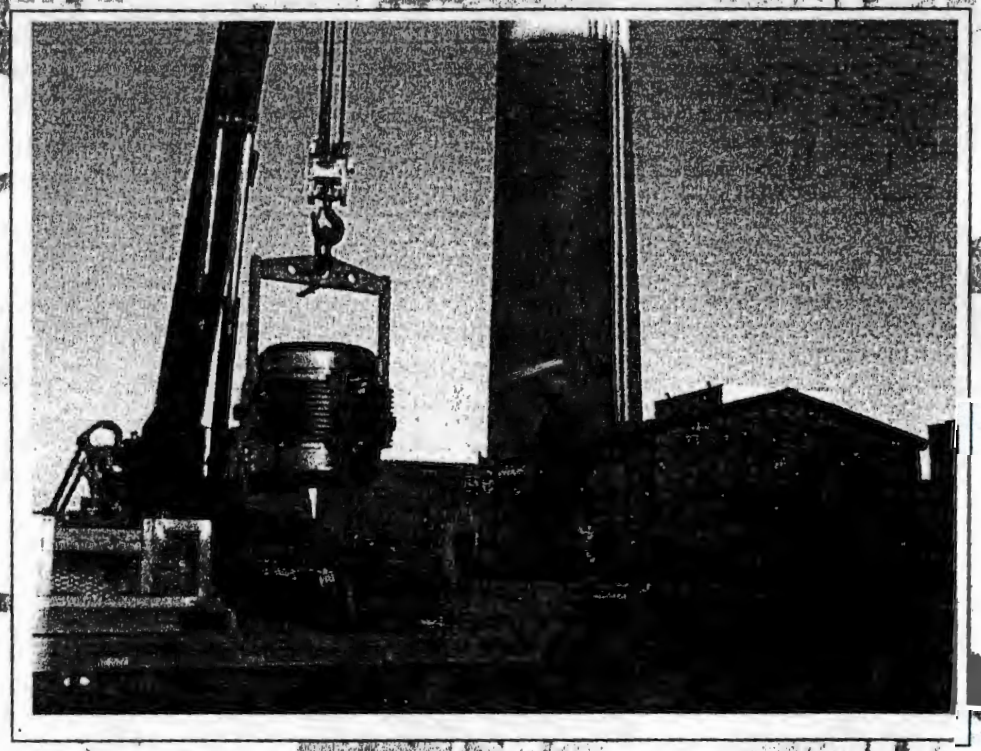
M-92 -15 and 16

- Continue to package legacy waste buckets within the 327 Building hotcells and ship the waste buckets to storage in the 200 Waste Area.

Project Summary

The near-term milestones are being completed on or ahead of schedule.

- M-92: All activities required to date have been completed or are on/ahead of schedule. All future milestones are on or ahead of schedule. Exceptions: MX-92-11-T01 is on-hold due to other priority requirements for funding.
- M-92-14: Ahead of schedule.
- M-92-15: 23 Legacy waste drums were loaded and shipped to burial in FY 1999.
- M-92-16: On schedule.



1-20-00 #6

Plutonium Finishing Plant Stabilization Project

Milestone
TPA-M-83

IAMT Meeting January 20, 2000
Tri-Party Agreement Milestone
Status Report

Ecology Project Manager - S Mohan
DOE-RL Program Manager - WD Seaborg
FDH Environmental Sponsor - AM Hopkins

ATTACHMENT 6

Program Manager's Assessment

- **Environmental:**
  - Chemical Hazard Mitigation corrective actions identified during Ecology compliance inspection have been completed.

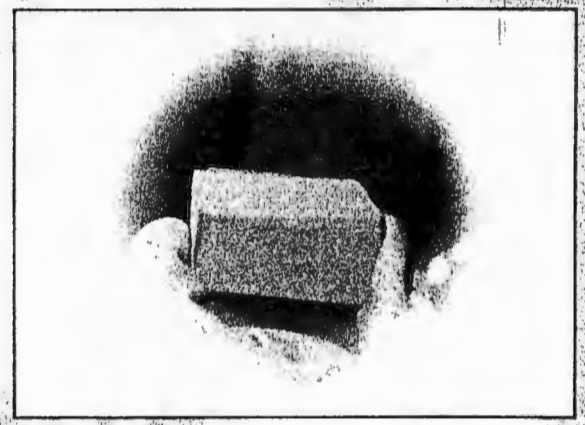
- **Safety:**
  - PFP emergency preparedness and drill programs continue to improve through outstanding critique process and implementation of lessons learned.

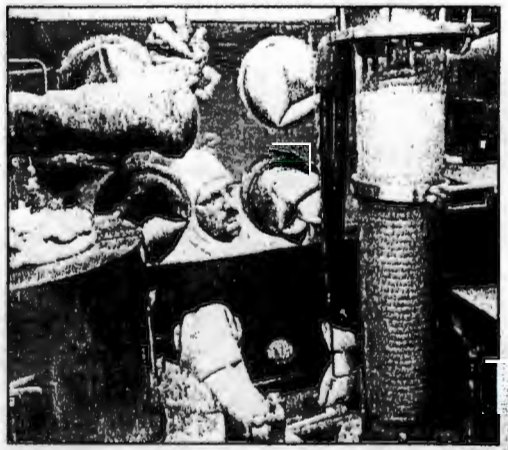
- **Cost and Schedule:**
  - The project schedule variance is favorable for stabilization activities, with significant progress being made in the stabilization of oxides (I.e., 164 items stabilized through December, or 41% of the total FY2000 commitment). The overall project schedule is unfavorable, due primarily to capital activities associated with Project W-460 (I.e., the elimination of trailers and vault modification design not yet started) and behind schedule status on infrastructure projects, such as criticality alarm panel replacements, radiation constant air monitor upgrade and sanitary water upgrade. Corrective actions are being worked to recover schedule in all areas (no long term impact anticipated).

  - The cost performance is favorable, but not to the magnitude as shown due to a delay in contract accruals and a staffing shortage.

Major Accomplishments

- Completed sufficient testing to determine that Pu polycubes will be stabilized through direct muffle furnace stabilization, versus use of a pyrolysis system developed by Los Alamos
- Stabilized 164 Oxide items
- Placed contracts for procurement of the Magnesium Hydroxide precipitation system
- Completed 50% design of the W-460 stabilization and packaging system
  - Completed validation of the project by the Corps of Engineers
  - Initiated long term procurement actions
  - Fabrication of the "Bagless Transfer System" began at SRS
- Continued solutions processing tests for prototype Vertical Denitration calciner and the Magnesium Hydroxide precipitation process
- Updated the PFP portion of the DOE implementation plan for DNFSB Recommendation 94-1





Planned Accomplishments

Materials Stabilization

- Activate three new muffle furnaces by January 31, 2000
- Switch to use of Hanford convenience can
- Continue preparations for installation of the Super Critical Fluid Extraction instrumentation (alternative moisture test)
- Prepare and issue a Process Plan for metals and alloys processing
- Complete qualification of the multiplicity counter and install two new calorimeter wells for material accountability measurements
- Complete actions for cementation start up
- M-20 milestone for Part B for cementation treatment unit
- Closeout of all issues that suspended negotiations
- Resume negotiations with regulatory agencies

Planned Accomplishments (Cont'd)

Project W-460

- BTS fabrication and initial checkout
- BTS glovebox design and fabrication
- Fire Hazards Analysis completion
- NEPA SA completion
- NOC issuance

Baseline Performance

(Against the PFP MYWP)

- **Issue:** The staffing ramp-up necessary to meet the FY 2000 MWYP work scope is behind schedule, due primarily to a delayed hiring start resulting from FY 1999 funding shortfalls.
- **Impact:** Recovery of schedule slippage will be impacted if adequate staffing cannot be hired prior to February 2000.
- **Corrective actions:** An aggressive hiring plan has been developed and implemented consistent with the approved project staffing plan.

Issues

Issue: Timely and definitive waste/material designations and management of wastes and materials accordingly.

- **Impact** - Manner of resolution will affect the scope of the negotiations.
- **Status/Corrective Actions** - IPMP identifies schedule for conducting stabilization and facility transition activities and documents the preferred pathways for stabilizing and dispositioning plutonium-bearing materials currently in storage at PFP. A letter outlining which PFP SNM residues are solid waste was sent to contractors. Discussions held with EPA/Ecology in October. Follow up letters closing this item in RL concurrence.

Issue: Cementation is planned for startup in April 2000, Ecology has not yet formally approved Part A Permit.

- **Impact –** Potential delay in startup of cementation which could impact the 94-1 IP milestone for the completion of stabilization activities.
- **Status/Corrective Actions –** Request Ecology approval of the Part A Permit February 15, 2000.

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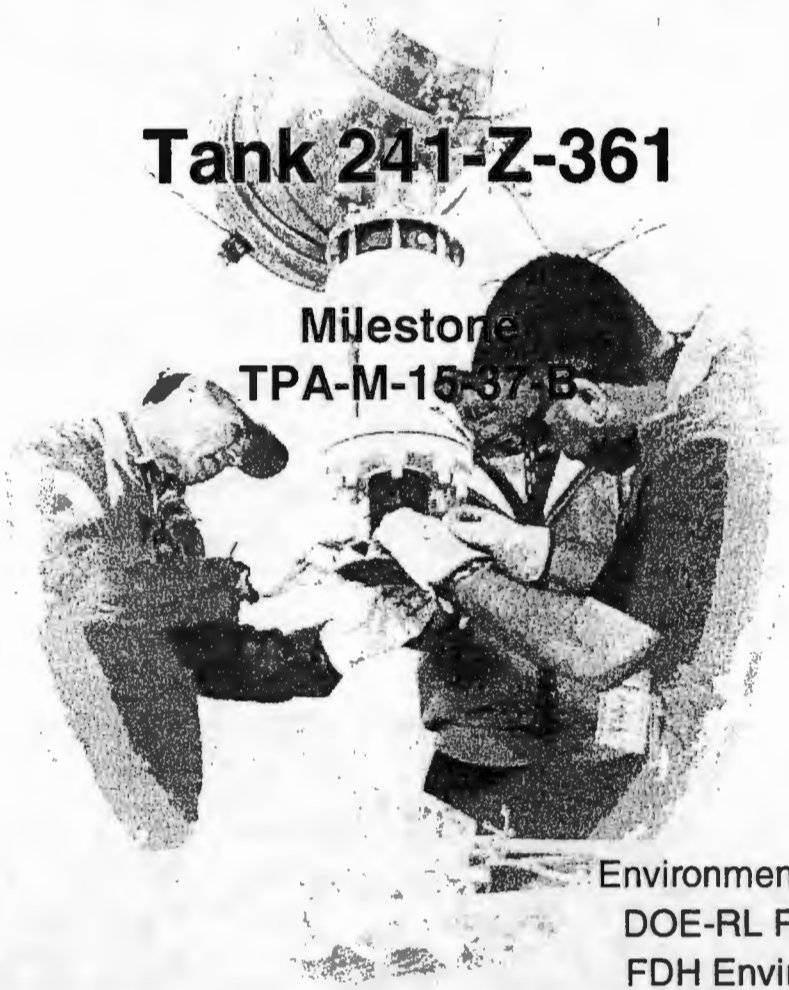
Tank 241-Z-361

Milestone
TPA-M-15-37-B



IAMIT Meeting January 20, 2000
Tri-Party Agreement Milestone
Status Report

Environmental Protection Agency - DA Faulk
DOE-RL Program Manager - Dr. SE Clarke
FDH Environmental Sponsor - AM Hopkins

Nuclear Material Stabilization Project

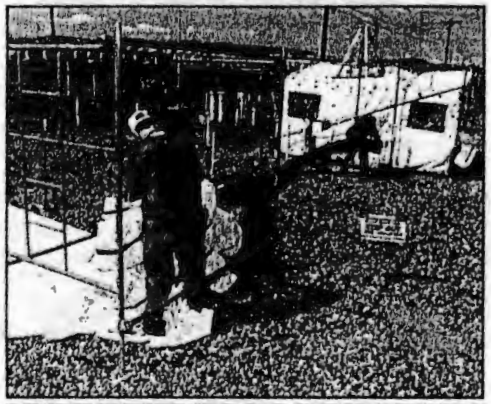
ATTACHMENT 7

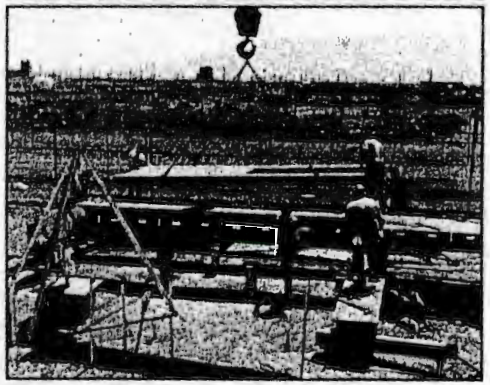
Tank 241-Z-361

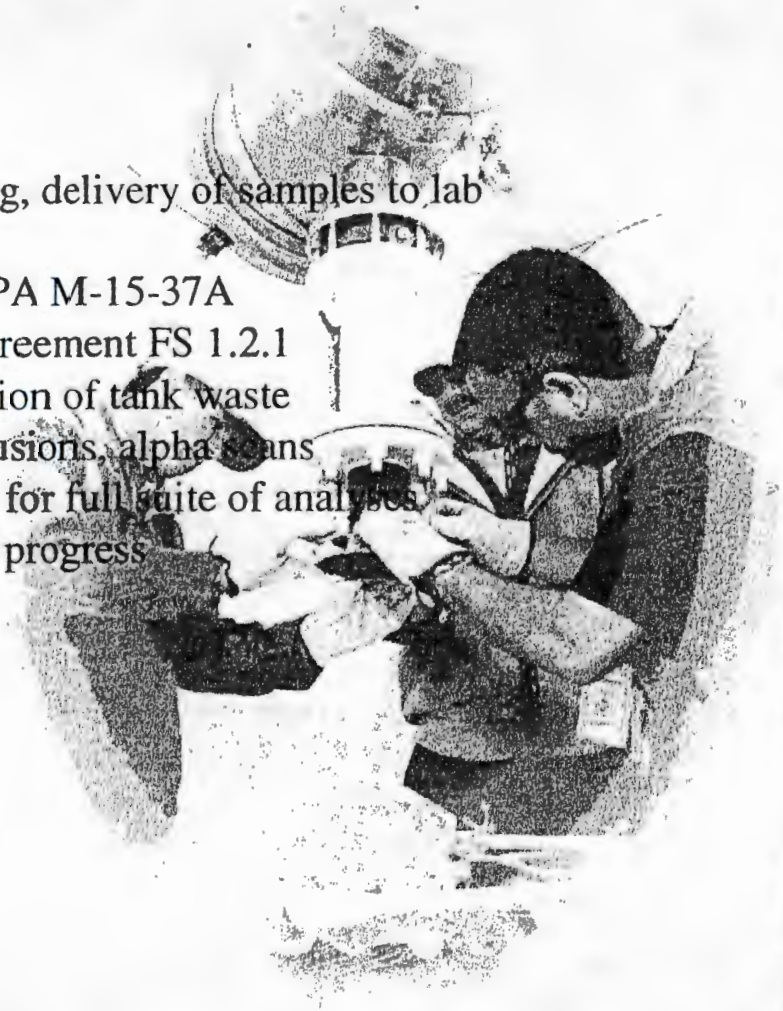
Program Manager's Assessment

- **Environmental**: Field work completed without incident QC criteria consistent with SW846 were specified in the TSAP.
- **Safety**:
  - The concerns for stability of the tank structure during core sampling were successfully addressed through placement of a steel bridge structure over the tank to support equipment.
  - The field effort has been completed to date with no reported injuries of exposures
  - Tank headspace vapors measured during the sludge sampling indicated consistently low concentrations. This is consistent with the preliminary expectations that the tank does not contain large quantities of solvents.
- **Cost and Schedule**:
  - **Cost** - Unsatisfactory due to cost growth. Sources of cost growth are lab increase due to delays; Deferrals and follow-on to core sampling, delay of sampler fabrication/replenishment, removal of truck bridge. Potential cost growth is $300K
    - Initiating cost reduction efforts
    - Seeking funding through buy-back process currently in place
    - Placed hold on award of new contracts, selected ongoing work not related to lab.
  - **Schedule**-Satisfactory

Major Accomplishments



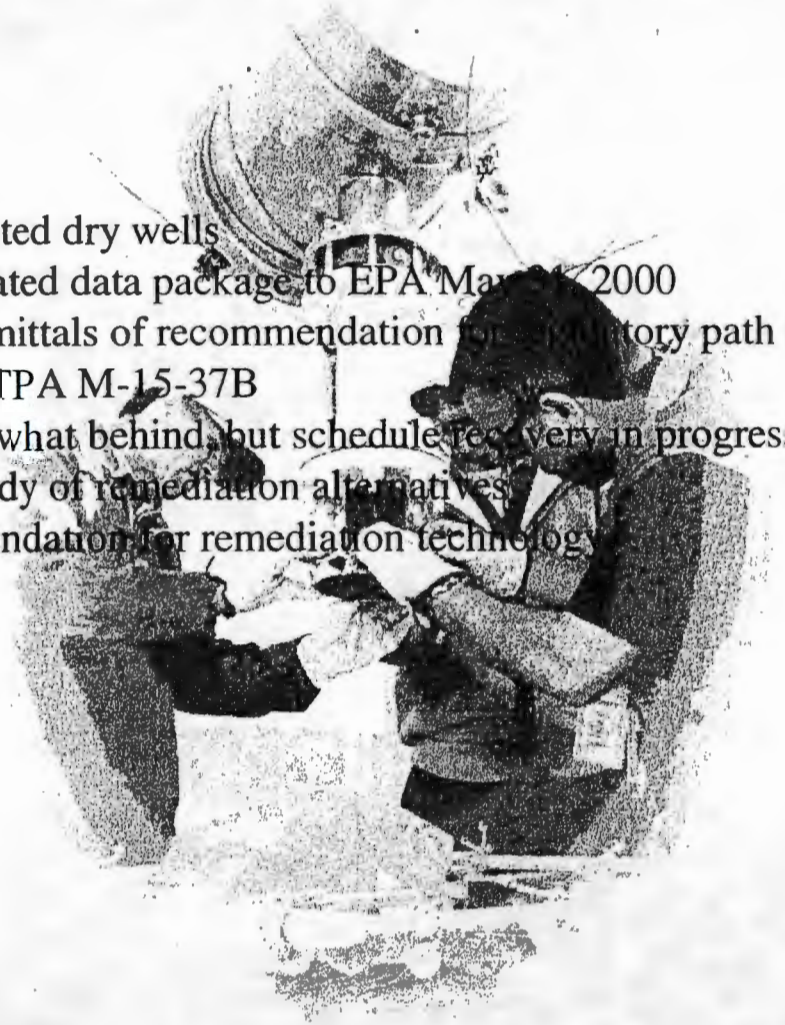




- Completed core sampling, delivery of samples to lab September 1999
  - Met and exceeded TPA M-15-37A
  - Met Performance Agreement FS 1.2.1
- Completed characterization of tank waste
  - Completed core extrusions, alpha scans
  - Composited samples for full suite of analyses
  - PCB analyses now in progress

Tank 241-Z-361

Planned Accomplishments

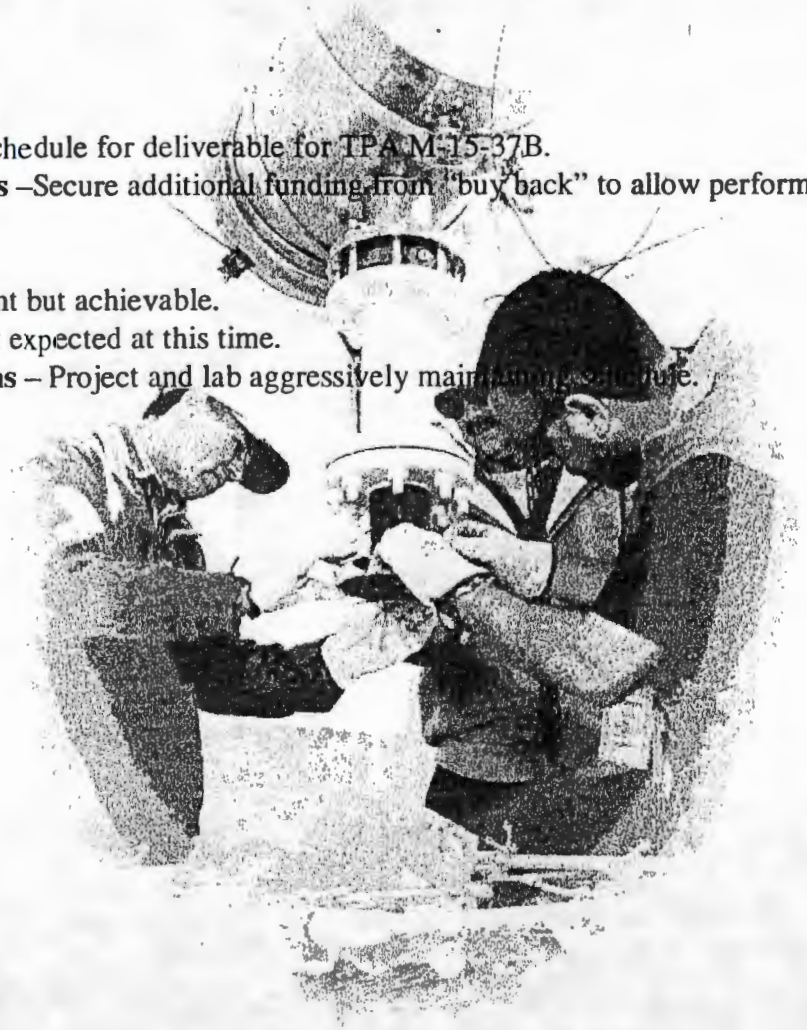


- NDA in selected dry wells
- Submit validated data package to EPA May 31, 2000
  - With submittals of recommendation for regulatory path forward, will meet TPA M-15-37B
  - Lab somewhat behind, but schedule recovery in progress
- Complete study of remediation alternatives
  - Recommendation for remediation technology

Nuclear Material Stabilization Project

Tank 241-Z-361

Issues

Issue: Cost Growth.
- **Impact** – No impact on schedule for deliverable for TPA M-15-37B.
- **Status/Corrective Actions** –Secure additional funding from "buy back" to allow performance of planned activities.

Issue: Schedule for lab tight but achievable.
- **Impact** – Minimal impact expected at this time.
- **Status/Corrective Actions** – Project and lab aggressively maintaining schedule.