0053919

Meeting Minutes
July 25, 2000
Tri-Party Agreement Milestone Review

Approval: _____ Date: 11/14/00
Michael A. Wilson (B5-18)
Ecology IAMIT Representative

Approval: _____ Date: 11/15/00
William W. (Wade) Ballard (A5-12)
Chairperson
RL IAMIT Representative

Approval: _____ Date: 11/14/00
Douglas R. Sherwood (B5-01)
EPA IAMIT Representative

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Minutes Prepared by:

Approval: _____ Date: 11/14/00
Eileen Murphy-Fitch (A1-14)
Fluor Hanford, Inc.

Ballard, W. W.	RL	A5-12	Hopkins, A.	FH	H5-24
Bath, S. S.	FH	H8-71	Iwatate, D. F.	FH	A1-14*
Boston, H. L.	ORP	H6-60	Jarvis, M. F.	RL	A5-15*
Barnard, M. M.	ORP	H6-60	Loscoe, P. G.	RL	R3-81
Barnett, J. M.	FH	L1-05*	Mattlin, E. M.	RL	A2-15
Chalk, S. E.	RL	A6-52*	McKenney, D. E.	FH	G1-32
Clarke, S.	RL	R3-79*	Moi, S.	RL	
Cusack, L.	Ecology	B5-18*	Morrison, R. D.	FH	A1-14*
Dagan, E. B.	RL	A5-15	Murphy-Fitch, E. J.	FH	A1-14*
Day, P.	SNF	X3-80	Ollero, R.	RL	R3-79
Erben, J. F.	IT	A4-35	Perry, J. K.	FH	L1-04*
Fitch, L. R.	FJ	T5-57	Piippo, R. E.	FH	A1-14*
Guillen, R. L.	RL	L1-03	Rasmussen, J. E.	ORP	H6-60
Hales, J. E.	FH	A1-14	Rainey, M. G	OOE	
Haggen, T. M.	Ecology	B5-18*	Riess, M. J.	CHG	A1-14*
Hawkins, G. H.	RL	A5-16	Rodriguez, H. M.	RL/ORP	A5-15*
Hertzel, J. S.	FH	A1-14*	Romine, L. D.	RL	R3-79
Hedges, J.	Ecology	B5-18*	Ruud, L.	Ecology	B5-18*
Holt, R. G.	RL	R3-11	Sanders, G. H.	RL	H0-12

Sherwood, D. R.	EPA	B5-01*	Wallace, J. J.	Ecology	B5-18*
Sidpara, A.	ORP	H6-60	Wang, O.	Ecology	B5-18
Sinton, G. L.	DOE	H0-12	Wilson, M. A.	Ecology	B5-18*
Skinnarland, E. R.	Ecology	B5-18*	Wilson, R. W.	Ecology	B5-18
Stanley, R.	Ecology	Lacey*	Wisness, S. H.	RL	A2-15
Stone, A. B.	Ecology	B5-18	Yerxa, J. K. .	RL	A5-15
Templeton, D. W.	RL	L1-08	Administrative Record	EDMC	H6-08*
Turner, J. M.	Ecology	B5-18			

* w/Attachments

File: *TPA_Milestone_Review_7/25/00*

M-34-00 Spent Nuclear Fuel (P. G. Loscoe/R. G. Holt)

The organizational changes within the FH Spent Nuclear Fuel (SNF) Project were discussed. Dave Van Leuven, FH's Executive Vice-President, was temporarily reassigned to the SNF Project and will be responsible for the fuel movement activities stipulated by Tri-Party Agreement Milestone M-34-16, Initiate Removal of K West Basin Spent Nuclear Fuel, by November 30, 2000. This and other organizational changes illustrate FH's commitment to meet the November 30, 2000, fuel removal date as well as to keep the SNF Project on schedule.

There was considerable discussion on the fuel removal milestone (M-34-16). The M-34-16 milestone was statused as on schedule but at "high risk" due to problems encountered during the operational testing of the IWTS at the KW Basin.

Significant progress has been made with the Project during the last quarter:

- Early completion of target milestone M-34-05-T01D, Submit Report on Quantities, Character, and Management of K Basins Debris." We were able to send some of the debris to ERDF thanks to the efforts of EPA.
- Sludge Acceleration Strategy approved via Change Request M-34-00-01
- Completed Toxicity Characteristic Leaching Procedure on KE Basin sludge. Results indicate sludge is not regulated for metals under the State Dangerous Waste Regulations
- Completed Security Requirements Analysis for sludge. No special requirements for storage at T-Plant.
- Turned CVD Bay 5 over to Operations for testing and training
- Demobilized CSB construction contractors.
- Turned over CSB to full Operation's control. Began training on MCO and MCO Handling Machine
- Navy Crane Center review complete, overall positive feedback and a few recommendations
- Implemented Rev 4 of K Basins SAR
- Received OCRWM program approval for written QA Program
- Completed Management Self Assessment for ORR

SNF Project Issues/Concerns

- Completion of ORR
- CVD Testing/Turnover
- Cask Loading System Testing/Turnover
- Sludge strategy for co-mingling sludge in the K Basins – in place, outside, in parts, etc.
- Approval of Revision to Notice of Construction that will identify deviations to mandatory technical standards in WAC 246-247-1209 (i.e. ASME N509 and N510) regarding CVD nuclear air treatment systems

M-26-01J LDR (W. W. Ballard/M. F. Jarvis)

Mary Jarvis, RL, provided the background and history of the milestone. The Director of Ecology issued a Final Director's Determination in accordance with the Tri-Party Agreement on March 29, 2000. RL appealed the determination to the Pollution Control Hearings Board (PCHB) on April 28, 2000. Tentative hearing date is scheduled for February 5, 2001. An Interim Report was prepared for the 2000 Report and will be submitted to Ecology no later than July 31, 2000. The submittal will consist of 3 volumes: Volume 1 describes what will be done, Volume 2 describes how it will be done and Volume 3 contains the waste data profile sheets (similar to prior year LDR's). With the submittal of the M-26-01J interim report (due July 31, 2000), RL believes that they have satisfied the Final Director's Determination in all but three items which are under appeal. Ecology asked what three items RL did not believe they addressed:

- What material at Hanford is RCRA Hazardous Waste/Mixed Waste
- Disagree with Ecology that all facilities must be included in the storage assessment
- Dispute TPA Primary Documents are enforceable documents

Work continues to develop a comprehensive site-wide inventory program. The data call for 2001 Report will be issued no later than December 2000.

The RL Waste Management Division will now manage this workscope.

M-20-00 Permitting/Closure Plans (S. H. Wisness/E. M. Mattlin)

Accomplishments, planned accomplishments and issues were presented. EPA asked if there were any Tri-Party Agreement milestones that would be due within the next six months. If so, then they should be included in the presentations and discussed at the meeting. There are two interim milestones due December 31, 2000, which were not included in the presentation:

- Submit Canister Storage Facility Part B Dangerous Waste Permit Application to Ecology (M-20-56)
- Submit Interim ILAW Facility Part B Dangerous Waste Permit Application to Ecology (M-20-57)

Tri-Party Agreement Milestone M-20-56 is ahead of schedule and Tri-Party Agreement Interim Milestone M-20-57 is statused as "program planning."

M-89-00 324 Bldg Closure of MW Units (D. T. Evans/D, W, Templeton)

Environmental, safety and cost performance continue to be assessed as excellent. Schedule performance, however, is marginal. Based on the last 4 – 6- months, we are revising the schedule working in new logic and continue to find ways to adapt to the problems and their impacts and still constrain the due date. Discussions continue with Ecology to ensure consistent understanding on what workscope constitutes successful completion of M-89-02.

Accomplishments:

- Completed major repairs on the 30-ton crane and 10-ton cranes (B Cell); completed major overhaul to locking system to get into B-Cell.

- Shipped 14 of 17 low-level waste/transuranic (LLW/TRU) grout containers
- Completed dose profiling of all existing grout containers. Relocated grout containers to A-Cell to allow dispersible collection at B-Cell.

Challenges facing this activity are that there is **no** contingency. If anything happens that will delay the activity for more than two days, there will be no way to mitigate the impact. "What if" scenarios are being developed to identify alternatives, path forward, etc. The results of this would then be shared with Ecology. RL made it very clear that no relief was given to the Site contractor on the due date.

M-92-00 Facilities for Cesium/Strontium, Sodium and SCW (D. T. Evans/J. K. Perry)

Safety, environment, cost and schedule performance continues to be assessed as excellent. Near term milestones are completed on or ahead of schedule. Outyear funding scenarios may impact completion of MX-92-06-T01, "Submit Site Uranium Disposition Assessment Report," and MX-92-11-T01, "Complete Disposition Options for all Hanford Non-Radioactive Sodium."

In March 2000, a letter was sent to Ecology stating that Tri-Party Agreement Interim Milestone M-92-13, Submit 300 Area Special Case Waste (SCW) Project Management Plan (PMP) was completed six months early. In addition, the PMP documented that Tri-Party Agreement Interim Milestone M-92-14, Complete Removal and Transfer, and Initiate Storage of Phase I 300 Area SCW Wastes and Materials, was completed 30 months early. The March 28, 2000, letter requested that Ecology concur that the documentation satisfied the requirements of the above mentioned milestones.

M-83-00 PFP (L. D. Romine/L D. Romine)

Safety, environment, schedule and cost were rated as good. Safety performance remained outstanding with no OSHA or Lost Workday Case injuries. The unfavorable schedule and cost variances are due to Project W-460, Plutonium Stabilization and Handling, Magnesium Hydroxide ($Mg[OH_2]_2$) construction, and cementation restart activities. Corrective actions have been implemented.

Because the Notice of Construction for Project 460 activities in the 2736-ZB Facility, was not approved by the Washington Department of Health and construction couldn't begin as scheduled (May 15, 2000), a baseline change request was initiated to extend the construction schedule to April 2001.

Residue and solution stabilization startups, scheduled for April and July are over two months behind schedule. The $Mg[OH_2]_2$ precipitation process construction activities are exceeding planned costs. Failure to commence solution stabilization and residue operations on schedule has delayed stabilization progress impacting both cost and schedules in FY 2001. An aggressive catchback plan was implemented for both solution stabilization construction and operations activities with startup in early September 2000. An alternate course for cementation, Pipe-n-Go for ash materials, is being worked with startup now planned for August 2000. Ecology approval of Part A Form 3 Revision for storage containers in 192D is needed.

M-15-37B 241-Z-361 Data Recommendation (D. T. Romine/S. E. Clarke)

EPA completed their review of the data packages and recommendation for the regulatory path forward for remediation of 241-Z-361. EPA commended DOE for providing EPA with a clear, well-written report. EPA concurs with DOE that a non-time critical removal action is the appropriate path forward for the disposition of the contents of Tank 241-Z-361. EPA will not require any revisions to the document but would like to document inaccuracies (detailed in presentation package). Discussions will continue with EPA.

RL pointed out that special emphasis (beyond the required data validation) was placed on verifying that the concentration of fissile material in Tank 241-Z-361 was far below that required for a criticality. This was independently accomplished by two Ph.D. radiochemists who reconstructed the plutonium analyses from the raw spectroscopy data. The independently derived data was in excellent agreement with concentrations reported in the data package.

ATTENDEES

Tri-Party Agreement Milestone Review
July 25, 2000

NAME	ORGANIZATION	MAILSTOP	ATTACHMENTS
JEFF HERTZEL	FH/TPA	A1-14	
Deborah Swalate	FH/TPA	A1-14	
Gigi Hawkins	RL/AMT		
John Erban	RL(GSSC)AMT		
JANE HEDGES	ECOLOGY		
LAURA COSACK	GEOLOGY		yes
Wade Ballard	DOE		no
PHIL LOSCOE	DOE		NO
Paul Day	SNF Project	R3 11	No
Hector M. Rodriguez	DOE-ORL	A5-15	Yes -
ROB PIERRO	FH TPA	A1-14	YES
STEVE CHALK	DOE-RL	A1-03	YES
Bob Holt	DOE-RL	R3-11	No
Doug Sherwood	EPA	B5-01	yes
Laura Rund	Ecology	B5-15	NO
Janell Hales	FHI	A1-14	No
Tina M-Heiggen	Ecology	B5-18	no
Maple A Barnard	ORP/OSD		no
Greg SINTON	RL/WMD	H0-12	NO
Alex Stone	Ecology	B5-18	NO
Ami SIDHARA	ORP		no
George Sanders	RL/WMD		NO
Dale McKenney	FH/WMP		NO

ATTENDEES

Tri-Party Agreement Milestone Review
July 25, 2000

NAME	ORGANIZATION	MAILSTOP	ATTACHMENTS
Steve Wisness	DOE-RL		No
JON YERXA	DOE RL		NO
Ellen Mattlin	DOE RL		NO
Mary Jarvis	DOE-RL	A5-15	
RL Guillen	DOE-RL		
S. Singh Bath	Fluor Hanford		
J.K. Perry	FH RCP	L1-04	Yes
DW Templeton	DOE-RL	L1-08	NO
JM Barnett	FH-RCP	L1-05	yes. Tbx.
SEA [illegible]	DOE-RL/LMD		YES
Larry Fitch	FH-PFP		NO
Rudy Ollero	DOE-RL/MDD	R3-79	
Oliver Wang	Ecology		No
Andrea Hopkins	FH		YES
Larry Romine	DOE-RL/MDD	R3-79	No
Suzanne Clarke	DOE-RL / MDD (Z-361)	R3-79	yes

AGENDA

TRI-PARTY AGREEMENT MAJOR MILESTONE MANAGEMENT REVIEW

CHAIRPERSON: W. W. Ballard

THURSDAY, July 25, 2000
712 Swift Blvd., Suite 5, EPA Conference Room

TIME	MILESTONE	TITLE	RL DIVISION DIRECTOR	PRESENTER
9:00 am	M-34-00	Spent Nuclear Fuel	P. G. Loscoe	R. G. Holt
9:30 am	M-26-01	Land Disposal Restrictions Report	W. W. Ballard	M. F. Jarvis
9:45 am	M-20-00	Permitting/Closure Plans	S. H. Wisness	E. M. Mattlin
10:00 am	M-89-00	324 Bldg. Closure of MW Units	D. T. Evans	D. W. Templeton
	M-92-00	Facilities for Cesium/Strontium, Sodium and Special Case Waste	D. T. Evans	J. K. Perry
	M-83-00	Plutonium Finishing Plant	L. D. Romine	L. D. Romine
	M-15-37B	241-Z-361 Data/Recommendation	L. D. Romine	S. E. Clarke
11:30 am	**ADJOURN**			

Hanford Spent Nuclear Fuel Project

Tri-Party Agreement M-34 Milestone Review

Mr. Robert Holt
U.S. Department of Energy,
Richland Operations

July 25, 2000

Tri-Party Agreement (TPA) Milestone Status

through July 25, 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 by 5/31	Completed 5/24/99 & 5/22/00 Due: 5/31/01
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	Completed 2/29/00
M-34-04	Submit Remedial Design Report/ Remedial Action Work Plan for the K Basins	3/31/00	Completed 2/10/00
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 Complete in 3rd Quarter FY00

- **Milestone M-34-05-T01 "Submit DOE approved annual report on quantities, character, and management (e.g., segregation and management subsequent to removal) of K Basins debris to Ecology and EPA. The final report of this series shall be the one occurring one year after completion of milestone M-34-00A"**
  - ***Status: Completed 5/24/00 (ahead of schedule)***

Milestones due in next 6 months:

- **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 for completion by 11/30/00 due date but high risk due to K West Basin Integrated Water Treatment System (IWTS) problems***

TPA Milestone Status (Continued)

- **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 for completion by 12/31/00 due date***

Changes to Near-Term Milestones:

- **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: Milestone extended from 11/30/00 to 3/31/02 as part of Sludge Acceleration Strategy***

Significant Accomplishments

- Submitted Annual Debris Report (M-34-05-T01)
- Completed Sampling & Analysis Plan for basin debris and sent first shipment to the Environmental Restoration Disposal Facility
- Sludge Acceleration Strategy approved via Change Request (M-34-00-01)
- Completed Toxicity Characteristic Leaching Procedure on K East Basin sludge. Results indicate sludge is not regulated for metals under the State Dangerous Waste Regulations
- Security Requirements Analysis completed for sludge. No special requirements for storage at T-Plant
- Turned over Cold Vacuum Drying Facility (CVDF) Bay 5 to Operations for testing and training
- Canister Storage Building (CSB) construction contractors de-mobilized

Significant Accomplishments (continued)

- Turned over CSB to full Operations control. Began training on Multi-Canister Overpack (MCO) and MCO Handling Machine
- A total of 32 MCOs and 60 fuel baskets fabricated and received to date
- Navy Crane Center review complete, with overall positive feedback, and a few recommendations
- Implemented Revision 4 of K Basins Safety Analysis Report
- Received Office of Civilian Radioactive Waste Management (OCRWM) program approval for written Quality Assurance Program
- Completed Management Self Assessment for Operation Readiness Review (ORR)
- Completed one million safe work hours for the second time in approximately one year

SNF Project Issues/Concerns

- Phased Startup Initiative (PSI) - K West
  - *IWTS Testing*
  - *Readiness preparations for Phase 3*
- Operational Readiness Review completion
- CVD Testing/Turnover
  (dual bay testing, loss of power testing, HVAC testing)
- Cask Loading System (CLS) Testing/Turnover

Upcoming Activities

- Completion of PSI and other system testing to support ORR
- Begin fuel removal at K West Basin by 11/30/00
- Completion of strategy for co-mingling sludge in K Basins

Permitting and Regulatory Issues

- Sludge designation for RCRA

Non-TPA Regulatory Issues with Potential to Impact TPA Milestones

- Approval of Revision to Notice of Construction that will identify deviations to mandatory technical standards in WAC 246-247-120 (i.e. ASME N509 and N510) regarding CVDF nuclear air treatment systems
  - *Washington State Department of Health has agreed to this approach during preliminary discussions*

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

$ in 000s	BCWS	BCWP	ACWP	SCHEDULE VARIANCE	COST VARIANCE	BAC
EXPENSE	$122,534	$122,195	$127,771	($338)	($5,575)	$162,774
CAPITAL EQUIPMENT	9,900	9,736	9,737	(164)	(1)	11,057
GENERAL PLANT PROJ	525	505	507	(20)	(2)	531
LINE ITEM	21,048	20,906	19,357	(142)	1,549	22,862
TOTAL	$154,008	$153,343	$157,372	($664)	($4,029)	$197,223

Schedule Variance

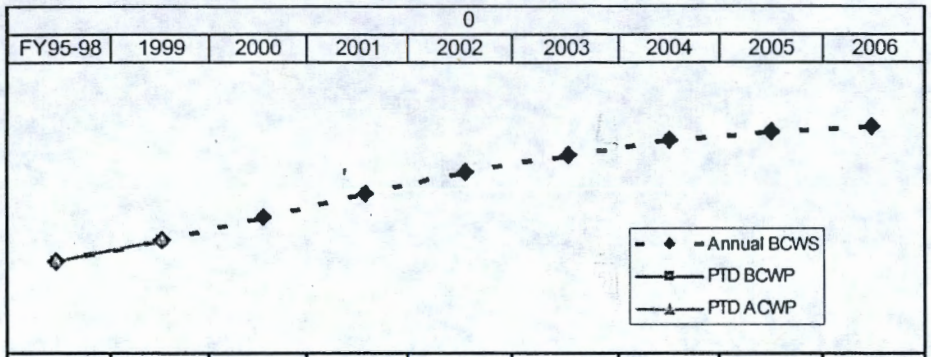
- Within tolerance.

Cost Variance

- Hanford Site driven issues. Site is taking appropriate actions to compensate.
- Additional startup and engineering required to resolve first-of-a-kind equipment issues at K Basins and CVD.

Hanford Spent Nuclear Fuel Project

SNF Project - Total Project Baseline



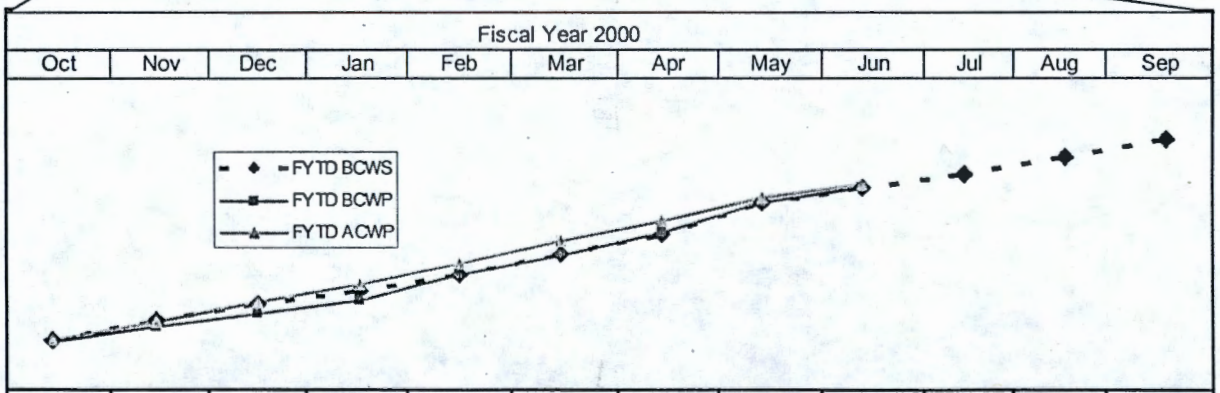
	FY95-98	1999	2000	2001	2002	2003	2004	2005	2006
Annual BCWS	533,003	718,612	915,834	1,107,938	1,301,239	1,441,364	1,556,628	1,633,904	1,680,668
PTD BCWS	533,003	718,612	872,619						
PTD BCWP	533,003	717,915	871,259						
PTD ACWP	533,003	718,798	876,171						
% Sch	31.7%	42.8%	51.9%	65.9%	77.4%	85.8%	92.6%	97.2%	100.0%
% Cmpl	31.7%	42.7%	51.8%						
SPI	1.00	1.00	1.00						
CPI	1.00	1.00	0.99						

Life Cycle	
*BAC=	1,706,833
EAC=	1,706,833
CV=	0
Trend=	-

*Includes $26,165K for FY2007.

Year End	
BCWS	197,223
Forecast	200,107
Delta	(2,884)

Project to Date	
BCWS=	872,619
BCWP=	871,259
ACWP=	876,171
SV=	(1,360)
CV=	(4,912)



	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
FYTD BCWS	8,574	27,783	43,464	55,544	71,298	91,382	110,964	139,695	154,008	166,276	182,034	197,223
FYTD BCWP	8,049	22,016	33,786	47,007	70,917	89,428	111,265	139,783	153,343			
FYTD ACWP	8,609	26,143	44,495	62,305	82,101	104,613	122,840	144,482	157,373			
Sched VAR	(525)	(5,767)	(9,678)	(8,537)	(381)	(1,955)	301	88	(664)			
Cost VAR	(560)	(4,128)	(10,709)	(15,298)	(11,185)	(15,185)	(11,575)	(4,699)	(4,029)			

Hanford Spent Nuclear Fuel Project

($ IN 000'S)

EXPENSE:	BCWS	BCWP	—FYTD— ACWP	SCHED VAR	COST VAR	FYTD ESTIMATED ACTUALS	FYTD ESTIMATED COST VAR	BAC
Project Management and Integration	17,444	17,427	19,021	(16)	(1,593)	19,021	(1,593)	26,223
Site Wide SNF Projects (327 Fuel Transfer)	0	0	41	0	(41)	41	(41)	0
Project Mgmt. and Integration (Project Fee)	5,995	5,996	7,756	2	(1,760)	7,756	(1,760)	8,210
* K Basins Maint. and Oper. (Through F.M.)	24,399	24,394	24,389	(5)	5	24,324	70	33,178
K Basin Project Support	713	713	931	(0)	(218)	931	(218)	785
* K Basins Facility Projects (Des/ Mod/ Const)	4,290	4,290	4,502	(0)	(212)	4,502	(212)	4,557
* Fuel Retrieval Project (Des/ Mod/ Const)	5,697	5,472	3,812	(225)	1,660	3,812	1,660	5,911
* Water Treatment (Des/ Mod/ Const)	772	772	1,412	(0)	(640)	1,412	(640)	1,023
* Debris Removal Project (Des/ Mod/ Const)	1,011	1,110	976	99	134	976	134	1,685
* MCO Acquisition (Des/ Mod/ Const)	12,917	12,988	12,891	70	97	12,891	97	16,277
Cask Transportation System (Des/ Mod/ Const)	654	672	431	18	240	431	240	688
* K Basin Cold Vacuum Facility (Des/ Mod/ Const)	11,437	11,118	14,439	(319)	(3,321)	14,476	(3,358)	11,770
Debris Removal Project. (During F.M.)	16	0	0	(16)	0	0	0	25
* SNF Relocation Common Operations	23,258	23,682	24,796	424	(1,114)	24,927	(1,245)	30,548
* K Basin CVD Facility (Operations)	4,080	4,079	4,443	(1)	(364)	4,443	(364)	6,208
Sludge Removal Project (Des/ Mod/ Const)	0	0	0	0	0	0	0	0
Sludge Treatment Project (Des/ Mod/ Const)	0	0	0	0	(0)	0	(0)	0
Transition Project Management	183	182	204	(0)	(22)	204	(22)	250
* Acquire Systems for Facility Deactivation	3,266	2,997	2,553	(269)	444	2,553	444	5,468
K Basins Deactivation Operations	0	0	1	0	(1)	1	(1)	0
* Canister Storage Bldg. Facility (Des/ Mod/ Const)	1,470	1,442	1,466	(28)	(24)	1,395	47	2,084
* Canister Storage Building Operations	3,971	3,970	2,684	(1)	1,286	2,684	1,286	5,892
* Site Wide SNF (Des/ Move Fuel to 200 ISA)	962	891	1,022	(71)	(131)	1,022	(131)	1,991
SUBTOTAL EXPENSE	122,534	122,195	127,771	(338)	(5,575)	127,803	(5,607)	162,774
CAPITAL EQUIPMENT:								
* K Basins Facility Projects (Des/ Mod/ Const)	3,705	3,660	3,893	(45)	(232)	3,893	(232)	3,705
* Water Treatment (Des/ Mod/ Const)	4,171	4,052	4,431	(119)	(379)	4,431	(379)	5,327
* SNF Relocation Common Operations	822	822	642	0	180	642	180	822
* Canister Storage Bldg. Facility (Des/ Mod/ Const)	1,202	1,202	772	0	431	772	431	1,202
SUBTOTAL CAPITAL EQUIPMENT	9,900	9,736	9,737	(164)	(1)	9,737	(1)	11,057
GENERAL PLANT PROJECTS:								
* Site Wide SNF (200 ISA Des/ Const)	525	505	507	(20)	(2)	507	(2)	531
SUBTOTAL GENERAL PLANT PROJECTS	525	505	507	(20)	(2)	507	(2)	531
LINE ITEM:								
Project Management and Integration	0	0	(618)	0	618	(618)	618	1,005
* K Basin Cold Vacuum Facility (Des/ Mod/ Const)	10,555	10,580	10,037	25	543	10,037	543	10,788
* Canister Storage Bldg. Facility (Des/ Mod/ Const)	10,493	10,326	9,938	(167)	388	9,938	388	11,068
SUBTOTAL LINE ITEM	21,048	20,906	19,357	(142)	1,549	19,357	1,549	22,862
TOTAL SNF PROJECT	154,008	153,343	157,372	(664)	(4,029)	157,404	(4,061)	197,223

** Detailed information contained in this report.*

SNF Project Financial Status thru June

TPA Quarterly Presentation on Interim Milestone M-26-01---Requirement to Produce an Annual Hanford Land Disposal Restrictions (LDR) Mixed Waste Report.

Mary F. Jarvis

Office of Regulatory Liaison

July 25, 2000

1.0 Interim Milestone:

1.1 Description and Deliverable:

- M-26-01 Series: Submit an annual Hanford Site Land Disposal Restrictions (LDR) Report to cover the period from April 1 through March 31. LDR Report is a Primary Document.
- Deliverables: Submit the 2000 Hanford Site LDR Report for Mixed Waste (M-26-01J). Report uses waste data through 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.
- This report is a TPA primary document with a 45-day regulatory comment period.

1.2 Milestone Explanation:

- Annual updates have been submitted since 1991 and are denoted by a letter suffix.

- Thus the Year 2000 Report is Interim Milestone M-26-01"J."

1.3 Director's Determination:

- On March 29, 2000, The Director of Ecology issued Final TPA Dispute Determination.
- On April 28, 2000, DOE appealed the Final Determination to the State of Washington, Pollution Control Hearings Board.
- In DOE's opinion, the Final Determination greatly expands the scope and requirements of the current LDR reporting program.

1.3 Director's Determination (cont.):

Requires:

- **A comprehensive site-wide mixed waste inventory;**
- **An associated mixed waste storage report;**
- **An enhanced mixed waste storage compliance assessment program;**
- **A mixed waste characterization plan; and**
- **A mixed waste site treatment plan and a disposal plan.**

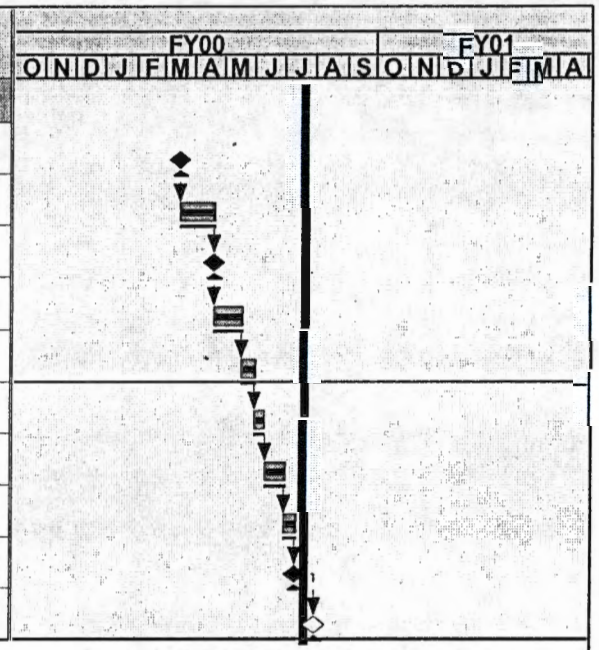
- **Ecology imposed a near-term deadline. Within 60-days (by May 28, 2000), three pieces of a storage compliance assessment program were due. (These were submitted May 23, 2000.)**
- **The Year 2000 Report, due by July 31, 2000, could be an Interim Report based on existing data. The Year 2001 Report, due by April 30, 2001, is required to include all Final Determination items.**

2.0 DOE Program Manager's Assessment of Contractor Performance :

- **GREEN LIGHT: Technical work is showing satisfactory performance---and work is on schedule.**

- **We have prepared an Year 2000 Interim Report, which is currently in DOE final concurrence and will be submitted to Ecology by July 31, 2000. DOE believes we have satisfied all but 3 items required by the Final Determination---all are under appeal.**

Activity Description	Early Start	Early Finish
FY 2000 Report		
Data Call	03/16/00A	
Input from Field to Author	03/16/00A	04/20/00A
Input received from Field to Author		04/20/00A
Prepare Draft Report	04/21/00A	05/17/00A
Contractor Comment Period	05/18/00A	05/30/00A
Incorporate comments, editing, copying	05/31/00A	06/09/00A
RL comment period	06/12/00A	06/29/00A
Incorporate Comment, editing, copying	06/30/00A	07/10/00A
Final Report to RL for Approval		07/10/00A
2000 Report Due to Ecology		07/31/00*



Start Date	11/01/99
Finish Date	02/19/03
Data Date	07/20/00
Run Date	07/20/00 13:37

Early Bar
Target Bar
Progress Bar
Critical Activity

REPT Sheet 1 of 1

ASTE MANAGEMENT PROJECT

LDR Report Path - Forward

DRAFT SCHEDULE - 7/20/2000

Date	Revision	hecked	Approved

3.0 Significant Accomplishments Last Three Months:

- Waste storage compliance assessment program deliverables were submitted on May 23, 2000.
- Currently implementing DOE's site-wide waste storage assessment program.
- Are beginning execution of Implementation Plan for Hanford Mixed Waste Management Program.
- Completed an Implementation Plan to lay out the path to fulfill the requirements of the Final Determination. (Volume 1 of the Interim Report).
- Documented progress to date toward implementing requirements of the Final Determination. (Volume 2 of the Interim Report) .
- Completed 2000 LDR Report or M-26-01J (Volume 3 of the Interim Report).

4.0 Significant Planned Actions Next Six Months:

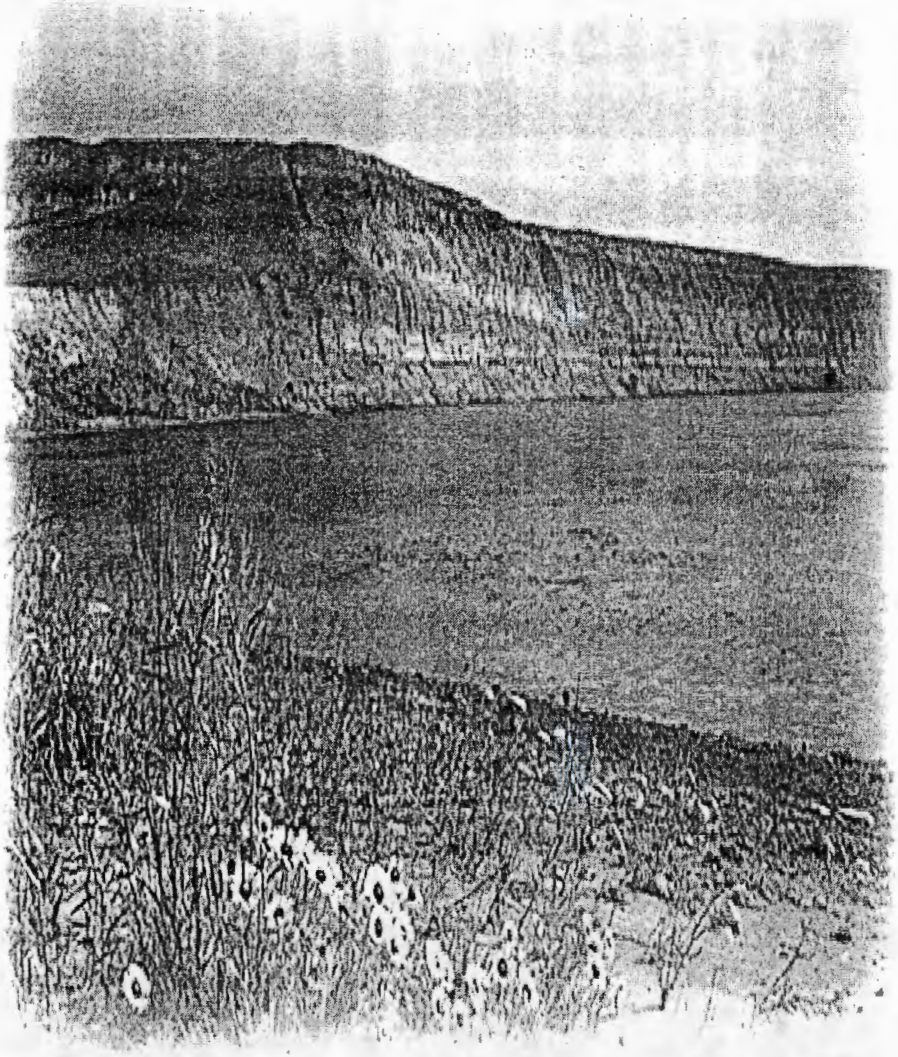
- Will deliver Interim Report (including Implementation Plan, Progress Report, and 2000 LDR Report or M26-01J) to Ecology by July 31, 2000.

- Internal discussions are ongoing to develop a comprehensive site-wide inventory program.

- Waste data call for 2001 Report (Due April 01, 2001) will be issued in December 2000 or before.

5.0 Budget/Cost Status:

- Production of the actual data compilation i.e., the 2000 LDR Report itself, is considered within the expected cost range. (annual budget is ~$120K). M-26-01J actual budget and cost of work performed is spread across many programs. Waste generators' costs to provide waste data are paid for from their individual budgets.
- An additional $175K has been spent to date responding to the final determination (Implementation Plan and Progress Report).



M-20 Milestone Status Permits and Closure Plans

Presented by

Ellen Mattlin

DOE, Richland Operations Office

July 25, 2000

Department of Energy
Richland Operations Office

Accomplishments (last 3 months)

- Part A's:
  - DOE submitted the following revised/new Hanford Facility Dangerous Waste Part A, Form 3, permit application documentation:
    - 241-Z Storage and Treatment Tanks, Revision 6 (5/5/2000)
    - Plutonium Finishing Plant (PFP) Treatment and Storage Unit, Rev. 2 (7/6/2000)
    - Waste Encapsulation and Storage Facility (WESF), Rev. 1. (7/13/2000).

Accomplishments (last 3 months)

- Part B's:
  - DOE submitted Working Drafts to Ecology for:
    - T Plant Complex (6/1/2000)
    - Mixed Waste Disposal Units (6/1/2000)
  - DOE submitted the Vitrification Plant Part B permit application (4/28/2000).

Accomplishments (last 3 months)

- Hanford Facility RCRA Permit.
  - DOE submitted to Ecology Quarterly Class 1 modification packages in accordance with Permit Condition I.C.3 (4/10/2000, 7/6/2000).

Planned Actions (next 6 months)

- Closure Plans
  - DOE and Ecology continue closure activities and/or discussions associated with the following units:
    - 616 NRDWSF
    - 2401-W Storage Building (partial closure of Central Waste Complex [CWC]): included in Modification E package
    - 303-K Storage Facility
  - DOE and Ecology establish closure strategy for the 1706-KE Waste Treatment System
  - DOE and Ecology establish closure strategy for the T-Plant Complex, 221-T Tank System
  - DOE complete closure activities for the 616 Nonradioactive Dangerous Waste Storage Facility (NRDWSF) (9/30/2000).

Planned Actions (next 6 months)

- Part A
  - DOE and Ecology resolve issues associated with submittal of the following Part A, Form 3, permit application:
    - Mixed Waste Disposal Units (MWDUs), Revision 12 formerly known as Low-Level Burial Grounds (LLBG).

Planned Actions (next 6 months)

- Part B
  - DOE and Ecology begin efforts associated with NOD resolution for the DST System Part B permit application (Revision 0A) for inclusion in Modification G (2001) of the Permit
  - DOE and Ecology begin workshops on the T Plant Complex Part B permit application for inclusion in Modification H (2002) of the Permit (6/2000)
  - DOE and Ecology begin workshops on the MWDUs Part B permit application for inclusion in Modification H (2002) of the Permit (6/2000).

Planned Actions (next 6 months)

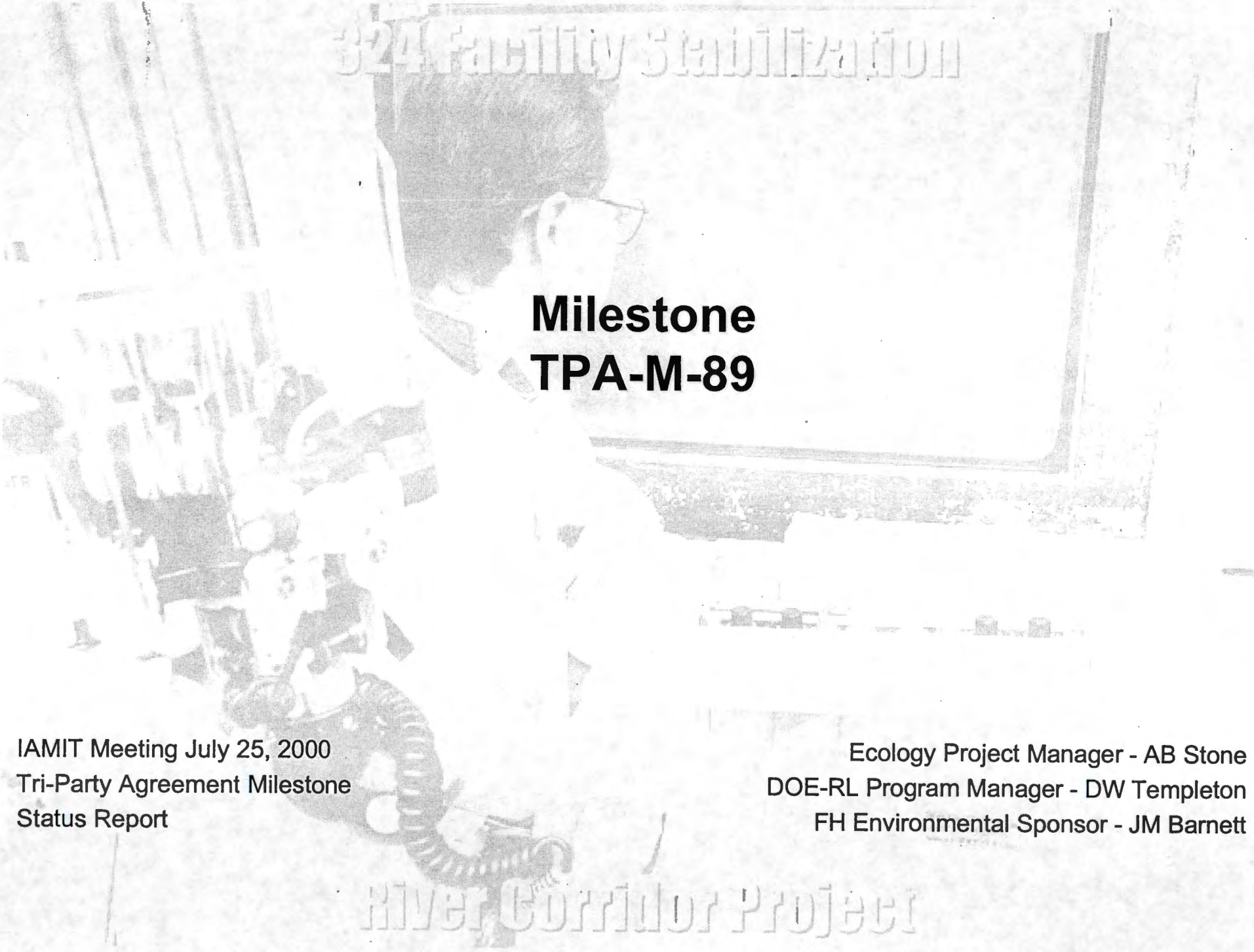
- Hanford Facility RCRA Permit
  - DOE submit Quarterly Class 1 Modification packages to Ecology in accordance with Permit Condition I.C.3 (10/10/2000, 1/10/2001)
  - Ecology issue final modification decision and responsiveness summary for Modification E of the Permit, the Permit is effective within 30 days
  - DOE submit certified permit documentation to Ecology for 222-S Laboratory Complex and Attachment 33, General Information (Modification F, 8/31/2000).
  - Ecology issued final modification decision and responsiveness summary for transfer of corrective action authority from the EPA to Ecology, Revision 6 of the Permit (3/28/2000), the Permit became effective on 4/28/2000. The Permit is currently under appeal at the Pollution Control Hearing Board (PCHB).

Planned Actions (next 6 months)

- Interim Status Requirements
  - DOE and Ecology begin discussions on implementation of interim status requirements at WESF
  - DOE transmit PFP interim status documentation (cementation unit) to Ecology by 7/31/2000
  - DOE submit TPA change request to establish M-20 Milestone for submittal of the PFP Part B permit application
  - DOE and Ecology begin discussions on K-Basin sludge storage strategy at T Plant Complex
  - Ecology response to Part A, Form 3's submittals for PFP, Rev. 2 and WESF, Rev. 1.
  - DOE committed to the following actions for the Hexone Storage and Treatment Facility:
    - Daily inspection of the nitrogen purge system
    - Monthly inspections of the above ground portion of the tank system
    - Initiate DQO process to determine path forward
    - Sampling of the tanks

Issues

- DOE Concern:
  - Delays in issuance of HF RCRA Permit, Rev. 7 (Modification E) is impacting resource scheduling.



Milestone
TPA-M-89

IAMIT Meeting July 25, 2000
Tri-Party Agreement Milestone
Status Report

Ecology Project Manager - AB Stone
DOE-RL Program Manager - DW Templeton
FH Environmental Sponsor - JM Barnett

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, B-Cell door repairs, and airlock entries have all been conducted safely.

Cost - *Excellent*

The first nine months of FY00 finds overall B-Cell activities tracking within the current authorized funding for FY2000. June 2000 FYTD variance is positive $300K.

Program Manager's Assessment

Since last quarterly review

Schedule - *Marginal*

Revised logic and additional work scope have been incorporated into the newly issued critical path schedule for meeting Milestone M-89-02, due in 11/30/00. Schedule logic includes impacts from the Hanford fire. A major repair to the B-Cell door was completed, 2A rack size reduction was completed, 14 of the 17 LLW grout containers were shipped, and 16 LLW grout containers are being staged in A-Cell for future shipments.

While several significant activities have been completed in the last quarter, recovery from the Hanford fire and additional waste shipments may require use of overtime to meet TPA-M-89-02. Any significant equipment failure or delay will have to be evaluated for its impact against meeting TPA-M-89-02.

Waste volumes of B-Cell dispersible material and HEPA filters are greater than baseline estimates, requiring purchase of additional waste containers and establishing on-site mixed-waste storage capability.

Current revised critical path schedule to M-89-02 shows two days behind schedule (July 17, 2000 status).

Discussions are being held with Ecology to ensure consistent understanding with what work scope constitutes completion of M-89-02. Resolution of this question will be factored into contingency planning against unexpected problems should they occur.

Significant Accomplishments

Since last Quarterly review

M-89-02

- Completed size reduction of all stored HEPA filters.
- Began floor dispersible removal and packaging.
- Shipped 14 of 17 LLW/TRU grout containers (17 on baseline schedule for FY2000).
- Completed dose profiling of all existing grout containers. Relocated grout containers to A-Cell to allow dispersible collection in B-Cell.
- Received three 22-ton waste boxes (14 on critical path schedule).
- Completed repackaging of 2 of 3 legacy grout containers of MW.
- Loaded first two SWDB boxes in preparation for MW shipments.
- Repaired 30 ton crane and B-Cell 10 ton crane (twice)
- Dispersible Removal System crawler procured, tested and ready for deployment.
- Completed major repair to B-Cell door.

Significant Planned Actions

Next Three Months

M-89-02

- Ship three LLW/TRU grout containers to 200 Area for storage/disposal.
- Continue fabrication of 22 ton waste boxes.
- Procure/fabricate additional 3-82B liners and grout containers.
- Perform size reduction and removal of miscellaneous items from B-Cell.
- Continue containerizing B-cell floor dispersible materials.
- Initiate MW shipments to CWC.

Issues

Issue:

Critical path schedule to meet M-89-02 has no contingency to accommodate significant program delays.

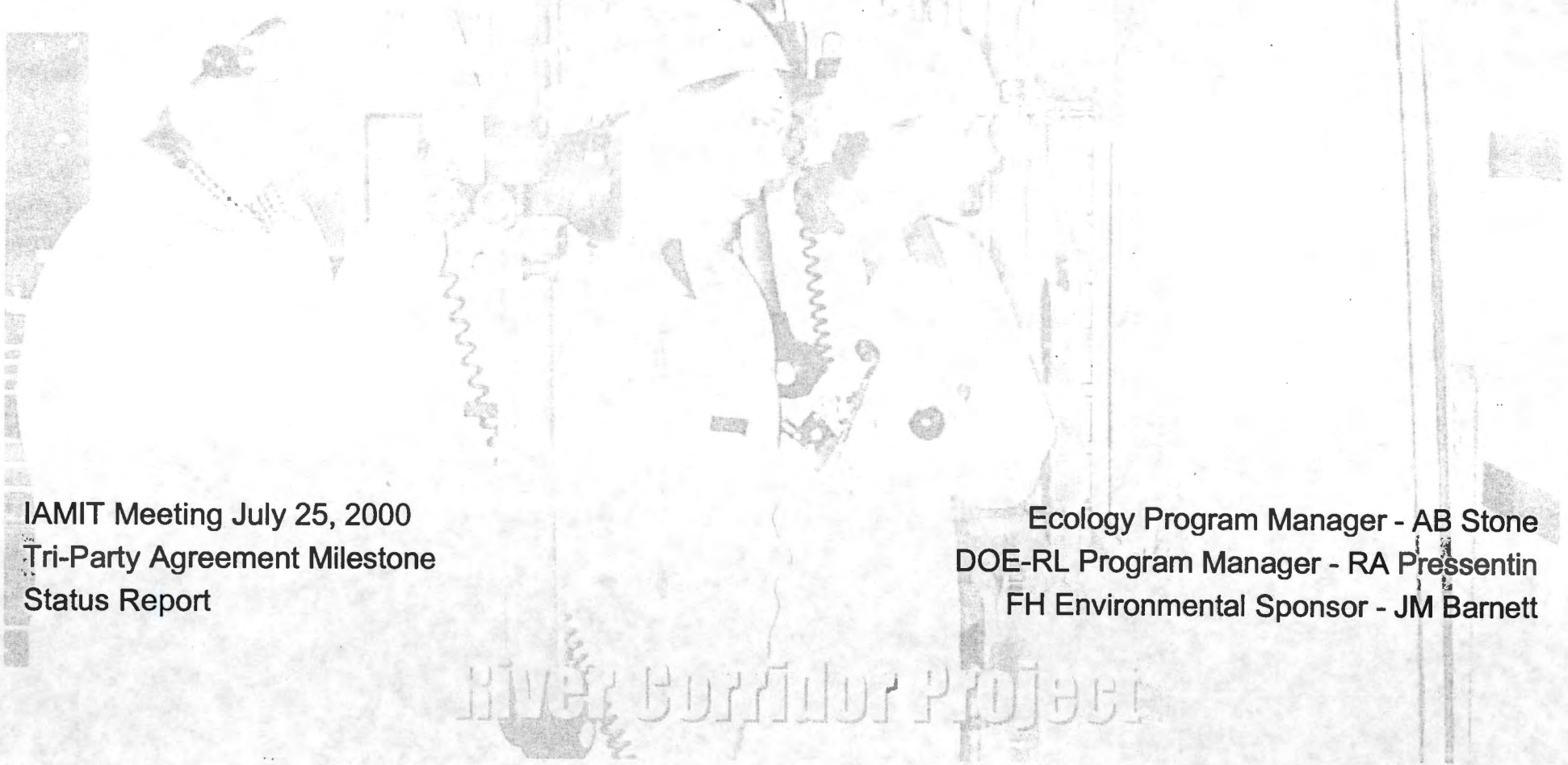
- Status:
  - •Discussions being held with Ecology to determine if contingency plans are consistent with TPA-M-89-02 objectives.
  - •Result of RL discussions with FH project management will be key in determining if RL will notify Ecology that M-89-02 is in jeopardy.

  - •Conclusion: Decision regarding the ability to meet the milestone due date is expected by August 11, 2000.

Project Summary

- Work continues to progress, and adjustments in work scope logic to the critical path schedule are being made to assure M-89-02 is still achievable by 11/30/00. There is presently no room for any significant occurrence if the milestone is to be met. RL has not provided any relief to the contractor and continues to stress the need to meet this commitment.

Milestone
TPA-M-92



IAMIT Meeting July 25, 2000
Tri-Party Agreement Milestone
Status Report

Ecology Program Manager - AB Stone
DOE-RL Program Manager - RA Pressentin
FH Environmental Sponsor - JM Barnett

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	Submitted 3/28/00
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	Submitted 3/28/00
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 scbedul

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 Items

- M-92-01: Capsules dispositioned as feedstock for Vitrification Plant during Phase II operations. Shipments planned from 2013 - 2017.
- M-92-05: 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.
- M-92-13: The 300 SCW PMP was submitted to Ecology on 3/28/00, 6 months ahead of schedule.
- M-92-14: The shipment of Phase I SCW materials was completed, with documentation to support that conclusion included in the PMP and letter to Ecology dated 3/28/00.

Program Manager's Assessment

Since last quarterly review

Schedule - Concern Item

MX-92-06-T01

- Funding for this project as a Super Stretch Project was canceled. DOE-RL has been trying to find sources of funding.
- At this time Hanford has plans to ship 50% of the Uranium inventory consisting of Uranium Trioxide Powder (in T-Hoppers), and Uranium billets to the Portsmouth site in Ohio. The uranium trioxide and billets, will be shipped to Portsmouth, Ohio, although the amount of material to be shipped is dependent on the level of funding assigned to this project for the rest of this fiscal year, and in early next fiscal year.
- The Safety Analysis Report for Packaging (SARP) modification for Uranium Billets is still at DOE-HQ for review. Billets cannot be shipped until this SARP is approved and a Certificate of Compliance is issued. RL is optimistic that this will be completed in the near future.
- Transfer of all the un-irradiated fuel in the 300 Area to the 200 Area will not be accomplished this fiscal year due to funding constraints. Burial of 140 MTU is also in jeopardy due to funding constraints this fiscal year, and winter weather constraints.

MX-92-11-T01

- Disposition of non-radioactive sodium has not been fully funded since FY99 and is essentially unfunded in both FY01 and FY02.
- Approximately 3-years of work remains to be accomplished, with a target milestone date of March 2002.

Nuclear Materials and Facility Stabilization

Significant Accomplishments

Since last Quarterly Review

MX-92-11-T01 Initiated cleaning of the residual sodium-potassium (NaK) alloy from the 337 B High Bay Building cold trap cooling system using the water vapor-nitrogen process.

MX-92-06-T01
- The Environmental Assessment EA-1319 for the Disposition of Surplus Hanford Site Uranium was issued as having a Finding of No Significant Impact Finding on June 15, 2000.
- A Shipper/Receiver Plan was agreed to and signed by both Richland and the Oak Ridge Offices that will allow shipping T-Hopper containers of Uranium Trioxide, and uranium billets to the Portsmouth site in Ohio.

M-92-13 The SCW Project Management Plan (HNF-5068, Rev. 1) was issued by FHI. RL comments were incorporated and the document was sent to Ecology on 3/28/00. Done.

M-92-14 Milestone completed based on SCW PMP submission to Ecology on 3/28/00. Done.

M-92-00 A revised Memorandum of Understanding was issued within RL on March 23, 2000 to incorporate new roles and responsibilities for M-92 milestones per the current RL organization.

River Corridor Project

Significant Planned Actions

Next Three Months

MX-92-06-T01

- Begin shipments of Uranium to Portsmouth, Ohio.
- Determine the path forward to moving the remaining fuel inventory to a selected site in the 200 Area.

M-92-11-T01

- Complete cleaning of the residual sodium-potassium (NaK) alloy from the 337 B High Bay Building cold trap cooling system using the water vapor-nitrogen process.

M-92-13

- Waiting for Ecology concurrence.

M-92-14

- Waiting for Ecology concurrence.

M-92 -15 and 16

- Continue to package legacy waste buckets within the 327 Building hot cells 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.

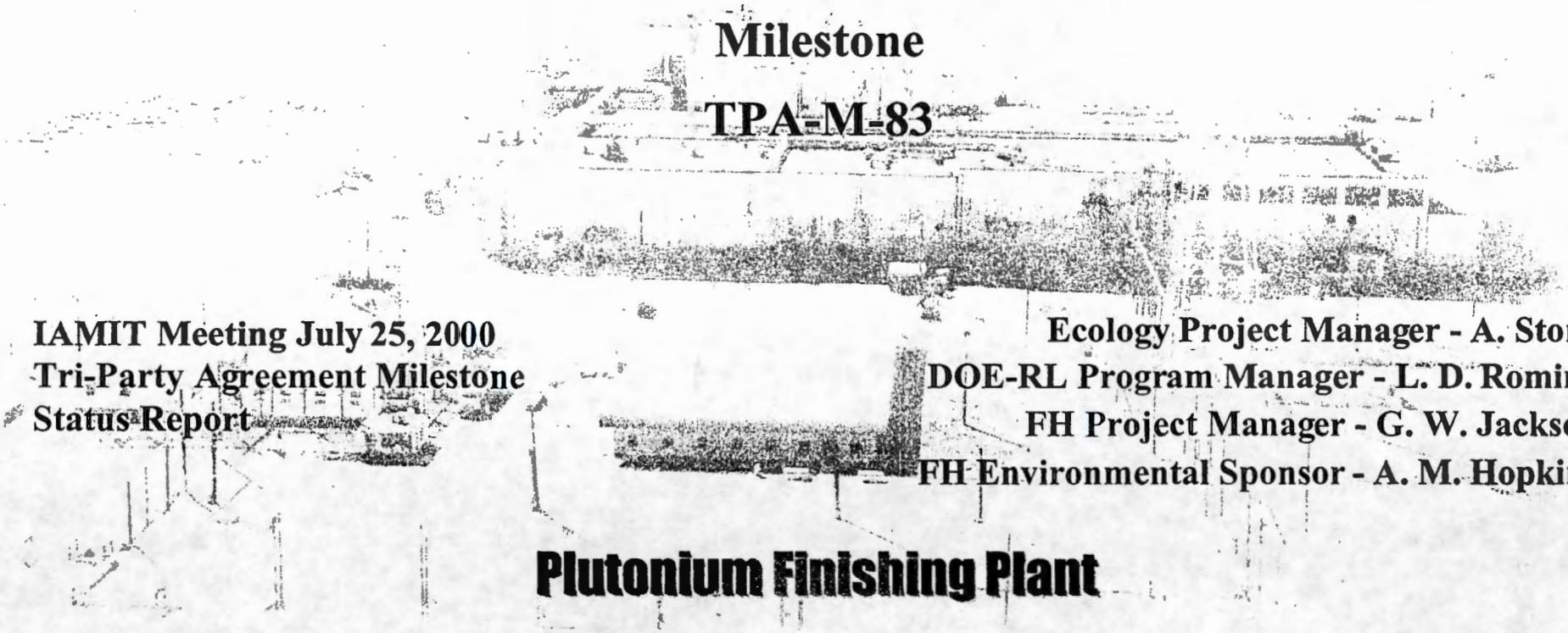
- M-92-06-T01 (non-enforceable): In jeopardy considering hurdles to overcome.
- M-92-13, -14: Done.
- M-92-15, -16: On schedule.

Nuclear Material Stabilization Project

Plutonium Finishing Plant Stabilization Project

Milestone

TPA-M-83



IAMIT Meeting July 25, 2000
Tri-Party Agreement Milestone
Status Report

Ecology Project Manager - A. Stone
DOE-RL Program Manager - L. D. Romine
FH Project Manager - G. W. Jackson
FH Environmental Sponsor - A. M. Hopkins

Plutonium Finishing Plant

Nuclear Material Stabilization Project
Program Manager s Assessment

- **Environmental:**
  - 241-Z-361 analysis and recommendation submitted to EPA
  - Supplement Analysis (SA) completed on Pipe-n-Go repackaging of residues
  - Part A Form 3 submitted to Ecology for container storage to support Pipe-n-Go
  - Interim status documents supporting cementation and storage in final review at DOE
  - Decision made to extend startup of cementation to FY 2001 in favor of accelerating Pipe-n-Go
  - Submitted NOC for W-460 to WDOH
  - Part A Form 3 for 241-Z to support $Mg(OH)_2$ precipitation of Pu solutions submitted to Ecology
  - SA to DOE for $Mg(OH)_2$ precipitation versus vertical calciner
- **Safety:**
  - Safety performance remained outstanding in June with no OSHA or Lost Workday Case injuries
  - **700,000 hours without a lost workday injury**

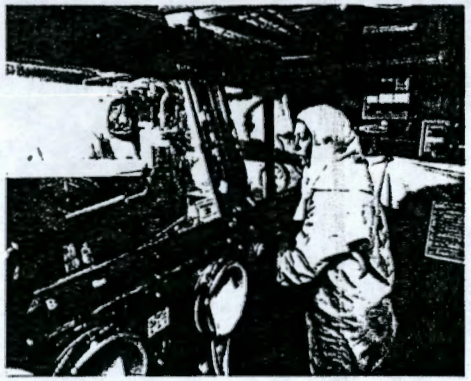
Nuclear Material Stabilization Project
Program Manager s Assessment

- **Schedule Performance:**
  - The NMS project schedule variance is unfavorable (<$14.7M>) in several functional areas.
  - Maintain Safe & Secure Vaults, Maintain Safe & Compliant PFP, and Transition PFP (Tank 241-Z-361) are generally favorable.
  - The unfavorable schedule variance is due primarily to:
    - Late Project W-460 Line Item tasks such as
      - Facility modifications not started
      - Delayed equipment procurement (glove box, NDA equipment, trailer installation, outer can welder)
    - Behind schedule performance on Magnesium Hydroxide [$Mg(OH)_2$] construction, and cementation restart activities.
  - Overall the project is significantly ahead of schedule with no long term impact anticipated
- **Cost Performance:**
  - The project cost performance through June (<$8.1M>) is unfavorable primarily due to:
    - Increased costs on the $Mg(OH)_2$ installation design, fabrication, and construction activities
  - Cost control corrective actions have been implemented

Nuclear Material Stabilization Project

Pu Oxides and Metals Stabilization

Major Accomplishments



- Completed stabilization/disposition of 307 items as of the end of June
- Completed the stabilization/repackaging of 15 higher risk metal items in inventory.° Seven items were oxidized and six were opened, brushed free of loosely adherent corrosion products and repackaged.° Two additional items were repackaged in new outer cans only.° This activity was an excellent training precursor to full scale metals stabilization in FY01
- The 234-5Z inner packaging system (BTS) was received and set-up in a glove box mockup for onsite testing and training.
- The installation of additional Loss on Ignition testing capability to support accelerated stabilization is essentially complete. Beneficial use is expected before the end of July.
- Reports on laboratory testing of Polycubes were completed. Thermal oxidation is a viable alternative to pyrolysis.° Final process design and safety analysis is planned for early next fiscal year

Planned Accomplishments

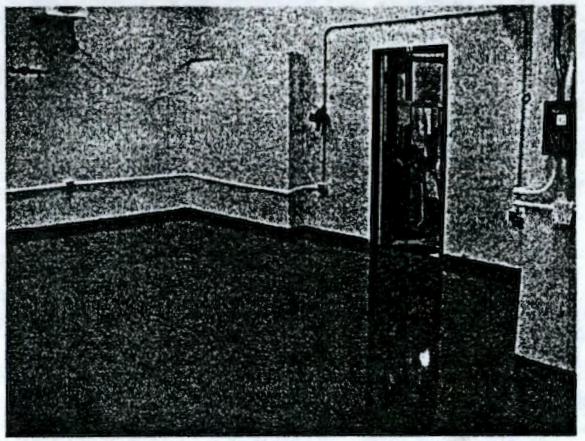
- Continue oxides stabilization
- Install additional LOI furnace and initiate operations July 2000
- Complete the installation of the 234-5Z packaging system and initiate operations September 2000
- Complete installation of the Supercritical Fluids Extraction system for moisture measurement and initiate operations September 2000
- Obtain non-rad NOC for polycube processing
- Prepare and issue Safety Analysis for Polycube processing via direct oxidation

Plutonium Finishing Plant

IAMIT : AMH : clb

Nuclear Material Stabilization Project

Residues Stabilization



Major Accomplishments

- Segmented gamma scanner (SGS) can count unit relocated and being upgraded to support TRU analysis
- Completion of notice of construction (NOC)
- Revised Part A Form 3 Permit for storage transmitted to Ecology
- Submittal of supplement analysis (SA)
- Initial hazards assessment for Pipe-n-Go completed
- Modification of room 192D initiated to support in-plant storage
- Started data quality objectives (DQO) to support Pipe-n-Go for SS&C. Recommending to Ecology removing ignitability and reactivity waste codes

Planned Accomplishments

- Install and calibrate small table SGS can counter
- Complete DQO process for SS&C designation to support Pipe-n-Go
- Develop plan for NDA of SS&C
- Approval of Part A Form 3 Revision for container storage
- Submittal of interim status documentation for treatment and storage to Ecology
- Review of draft SA for Pipe-n-Go by DOE
- Development of documentation to allow shipment of Pipe Overpack Containers (POCs) to CWC (SARP)
- Complete preparation to HC-46F and Room 192D to support Pipe-n-Go startup and storage
- Receipt of POCs from Rocky Flats
- Completion of startup reviews for Pipe-n-Go activities
- Repackage 300 kg of Rocky Flats ash

Plutonium Finishing Plant

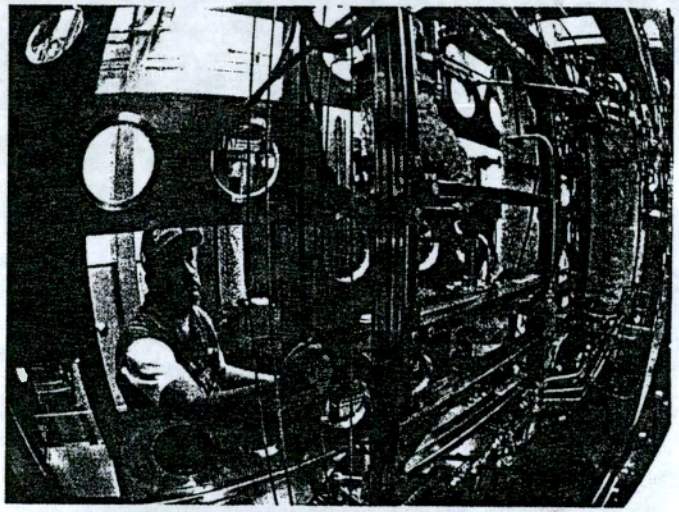
IAMIT : AMH : clb

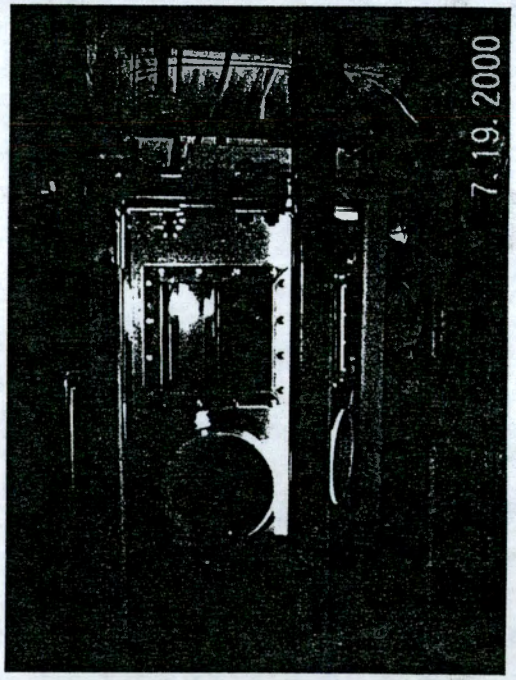
Nuclear Material Stabilization Project

Plutonium Bearing Solutions Stabilization

Major Accomplishments

- Procurement and construction schedules accelerated to support September 2000 startup
- Completed construction acceptance testing
- Initiated operational testing
- Obtained RL approval of the Plan of Action for ORR
- Completed Phase I of the PNNL $Mg(OH)_2$ surrogate testing
- Initiated Phase II of the $Mg(OH)_2$ testing by PPSL
- Initiated daily meetings to status completion of readiness checklist items
- Submitted revised Part A form 3 for 241-Z to add waste codes associated with precipitation process





Planned Accomplishments

- Continue with accelerated construction activities
- Complete ATP and OTP
- Obtain DOE-RL approval of the Supplement Analysis
- FSAR Addendum completed
- Complete startup reviews by FH & DOE-RL

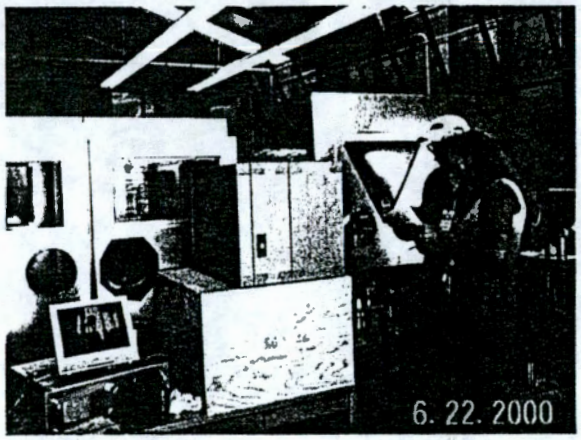
Plutonium Finishing Plant

IAMIT : AMH : clb

Nuclear Material Stabilization Project
W-460

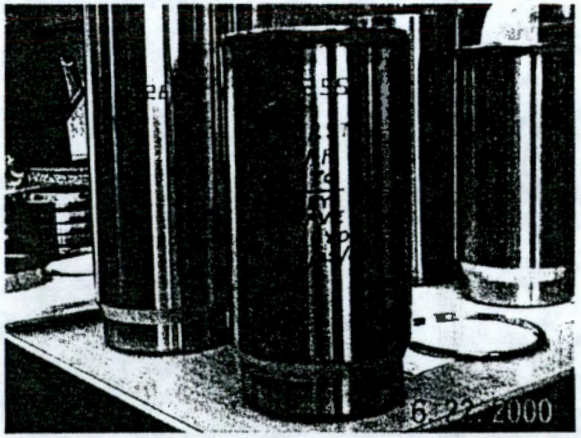
Major Accomplishments

- Inner packaging (BTS) glovebox fabrication started for installation in 2736-ZB building
- Stabilization and final packaging equipment (SPE) design complete
- Facility Modification Design complete
- BTS has been fabricated; acceptance testing complete, operations training started in 234-5Z building
- Funds allocated and sent to WSRC for another BTS for installation in 2736-ZB and production of outer can welder
- Fire Hazard Analysis in final review (90% complete)
- NEPA SA approved
- NOC submitted to DOH
- Construction is on-hold and delayed pending approval of NOC



Planned Accomplishments

- Assemble BTS and BTS glovebox in warehouse to facilitate operator training - later install in 234-5Z
- Procure and install SPE gloveboxes and components in the 2736-Z Complex
- Have vault design approved, begin modification of vault to safely store the 3013 packages
- Assemble training packages, procedures, and certify operators to run SPE
- Complete approved final safety documentation



Plutonium Finishing Plant

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Nuclear Material Stabilization Project

Baseline Performance

(Against the PFP MYWP)

- **Issue:** The Notice of Construction (NOC) for Project W-460 activities in the 2736-ZB facility has not yet been approved by the Washington State Department of Health
- **Impact:** Failure to obtain approval of the NOC is delaying the start of construction in the 2736-ZB facility, which was scheduled to begin May 15, 2000
  - A Baseline Change Request (BCR) is being prepared to adjust the construction schedule for delay in NOC approval. NOC approval date is assumed to be July 24, 2000, with startup deferred from February 2001 to April 2001
- **Corrective Action:** Project W-460 staff and Washington State DOH staff are working aggressively to resolve issues and/or questions on the NOC so that construction activities will not be further impacted

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Nuclear Material Stabilization Project

Baseline Performance

(Against the PFP MYWP)

- **Issue:** Residue and solution stabilization startups, scheduled for April and July respectively, are over two months behind schedule. $Mg(OH)_2$ precipitation process construction activities are exceeding planned costs.
- **Impact:** Failure to commence solution stabilization and residue operations on schedule has delayed stabilization progress impacting both cost and schedules in FY 2001.
- **Corrective Action:** An aggressive catchback plan has been implemented for both solution stabilization construction and operations activities with startup in early September 2000. An alternate course for cementation, Pipe-n-Go for ash materials, is being worked with startup now planned for August 2000. Expect to exceed baseline commitments even with a late processing start. Funds management controls have been implemented to maintain costs within authorized funding

Nuclear Material Stabilization Project

Issues

- Need Ecology approval on Part A Form 3 Revision for storage of containers in 192D

Tank 241-Z-361 Distrubution of Major Constituents of Sludge