

START

0024288

Meeting Minutes Transmittal/Approval
Tri-Party Agreement Milestone Review Meeting
Federal Building Room 780
Richland, Washington
September 23, 1992

From/ Appvl.: *SHW* Date: 10/21/92
Steven H. Wisness, RL (A5-19)
Hanford Project Manager

Appvl.: *Paul T. Day* Date: _____
Paul T. Day, EPA (B5-01)
Hanford Project Manager

Appvl.: *David B. Jansen* Date: 10/21/92
David B. Jansen
Hanford Project Manager

Prepared by Appvl.: *F. T. Calapristi* Date: 10/21/92
F. T. Calapristi, Westinghouse Hanford Company

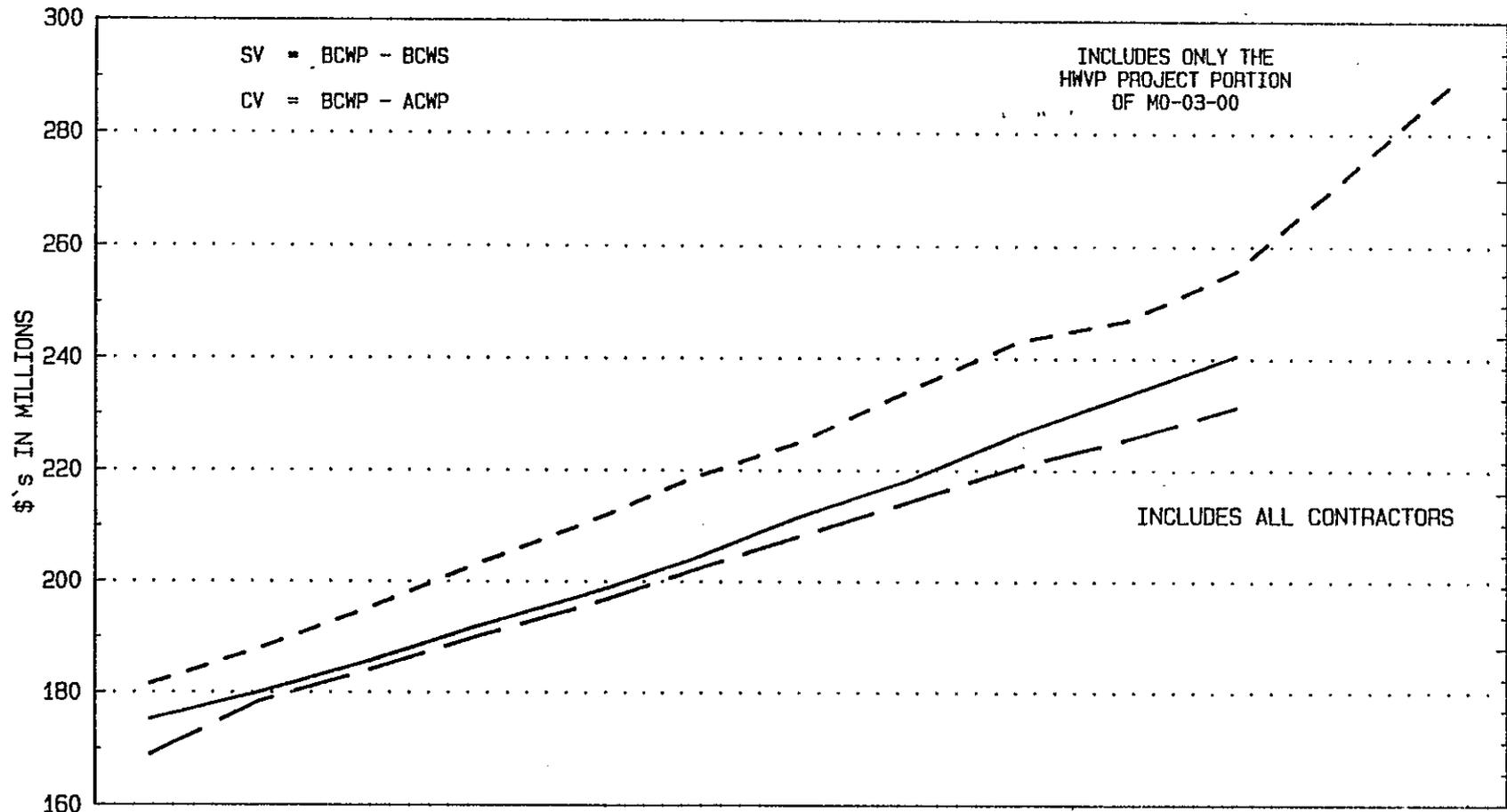
DISTRIBUTION

Allen-Floyd, JC	WHC	B2-35	Joyce, SM	WHC	H1-61
Arnold, LD	WHC	B2-35	Kendall, BA	WHC	B4-66
Austin, BA	WHC	B2-35	Lindsey, DW	WHC	B2-35
Barker, SA	WHC	S4-58	Mahaffey, MK	WHC	L4-73
Bishop, GE	RL	R2-62	Miller, WC	WHC	S4-55
Borneman LE	WHC	B2-35	Nicoll, BL	RL	A5-16
Calapristi FT	WHC	B2-35	Nylander, D	ECO	Kennewick
Carreon, R	RL	A5-16	Pabst, D	WHC	B2-35
Carter, RP	RL	A5-21	Propson, JG	WHC	R2-18
Davis, J	RL	A5-16	Rainey, TE	WHC	R1-49
Day PT	EPA	B5-01	Sampson, AE	WHC	R2-18
Dev, M	RL	A5-16	Sanders, GH	RL	A5-16
Epstein, J	WHC	R4-01	Senat, EJ	RL	R2-62
Forehand, GD	WHC	B2-35	Stroup, CR	WHC	H1-61
Henderson, JM	WHC	S4-55	Veneziano TB	WHC	B2-35
Hernandez, PR	RL	A4-02	Wisness SH	RL	A5-15
Hoertkorn, T	RL	A5-10	Yerxa JK	RL	A5-15
Huffman, L	RL	A5-16	EDMC	WHC	H4-22
Jansen DB	PV-11	Olympia			



9 3 1 2 7 3 1 1 3 3

Cumulative HWVP Cost Performance



CUM BCWS	181.4	187.8	194.9	203.0	210.3	218.4	224.9	234.0	242.9	246.7	255.6	272.0	289.3
CUM BCWP	168.8	178.3	183.8	189.9	195.4	201.8	208.1	214.2	220.6	225.4	231.1		
CUM ACWP	175.1	179.9	185.4	191.7	197.4	203.8	211.6	218.1	226.3	233.2	240.4		
SV	-12.6	-9.5	-11.1	-13.0	-14.9	-16.6	-16.8	-19.8	-22.3	-21.3	-24.6		
CV	-6.2	-1.6	-1.6	-1.7	-2.0	-1.9	-3.5	-3.9	-5.7	-7.8	-9.3		
MONTH	FY82-91	Oct FY92	Nov FY92	Dec FY92	Jan FY92	Feb FY92	Mar FY92	Apr FY92	May FY92	Jun FY92	JuI FY92	Aug FY92	Sep FY92

TPA Milestone Review
Meeting Minutes Transmittal/Approval
September 23, 1992 (sheet 2 of 3)

1. MEETING MINUTES

The minutes were approved for the TPA Milestone Management Review Meeting of August 19, 1992.

2. MILESTONE M-24-00, GROUNDWATER WELLS

The information was presented by Marv Furman (ATTACHMENT 1). It was reported a change request (M-24-91-6) for M-24-00 was submitted to RL for approval and will be forwarded to EPA in about one week. It is expected the change request will be signed by all parties in about three weeks. RL reported drilling is ahead of schedule for the calendar year to complete the milestone. There were no issues or action items identified in the presentation.

3. MILESTONE M-11-00, LAB HOT CELL EXPANSIONS

The information was presented by Paul Carter (ATTACHMENT 2). RL reported a WHC change request is being reviewed to delay construction (M-11-00-T1) from June 1993 to March 1994. However, there will be no impact to the start of the operation schedule; if the change is approved. There is a potential problem with an RL request for additional funding to support Project W-001. Congressional approval is required by January 1993.

4. MILESTONE M-14-00, LOW LEVEL LAB

The information was presented by Paul Carter (ATTACHMENT 3A) and supported by photos of the laboratory construction. The budget was reviewed and it was noted there will be \$3.0 M for operations in fiscal year (FY) 1993. Commercial laboratory turnaround times were also reviewed (ATTACHMENT 3B). Two labs are performing within Tri-Party Agreement requirements. However, it was noted there was an excessive holding time for samples held at Hanford due to validation of C-018 data. EPA requested RL to give additional attention to the "Sampling holding time" period. RL reported they are planning to address this problem.

Two other labs are in the 80-100 day turnaround time frame which is beyond the 75 day TPA requirement. Both labs are currently working down the backlog and continual improvement in turnaround time is expected. Ecology asked for any information on a lab to be built in the Tri-Cities. RL reported this is still being evaluated. Ecology also asked about the N-Springs ERA and whether additional funding is planned. RL reported additional funding is being requested for FY 1994.

5. MILESTONE M-18-00, WRAP I

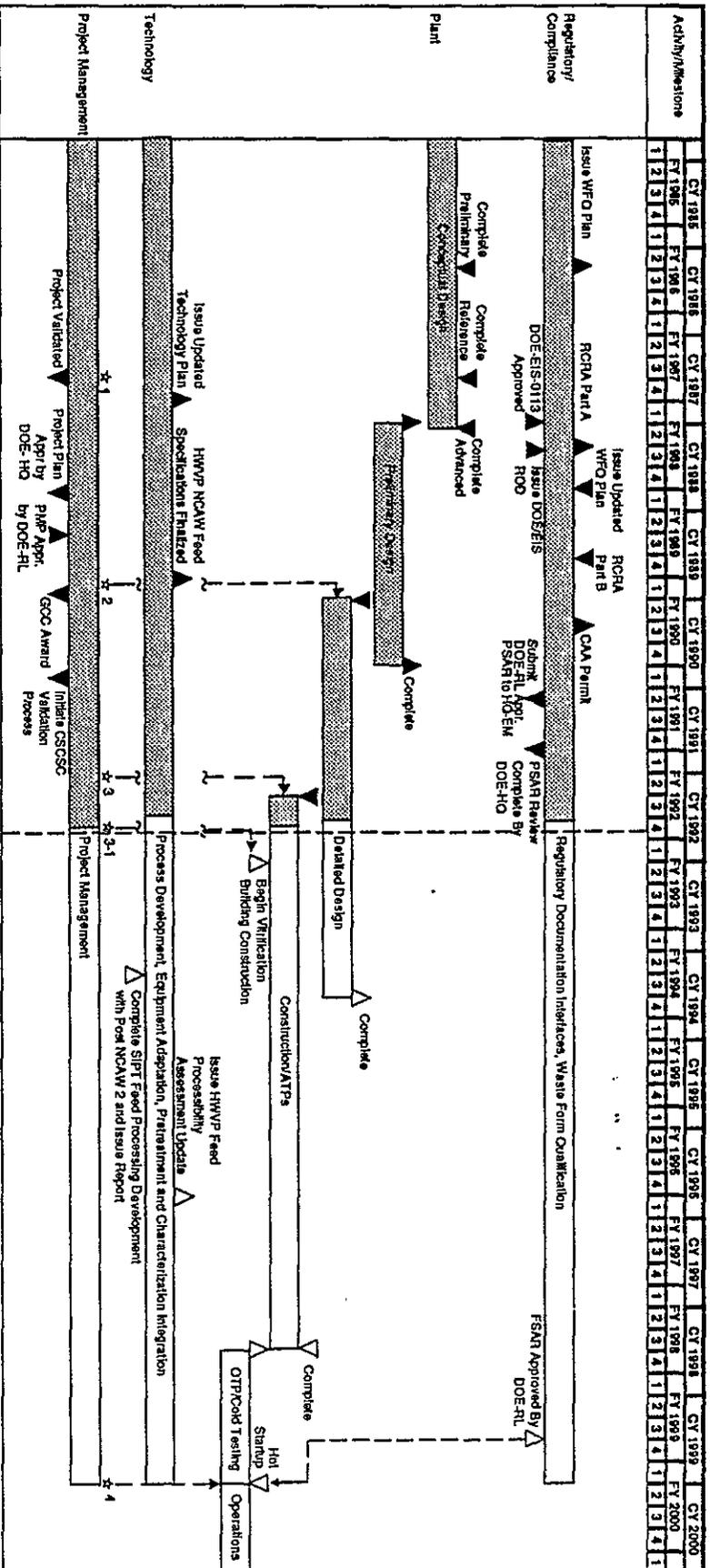
The information was presented by Rudy Guercia (ATTACHMENT 4). RL reported the change request (6 month delay on WRAP I) was signed by RL and Ecology and is now at EPA for approval. No issues were identified.

6. MILESTONE M-19-00, WRAP II

The information was presented by Rudy Guercia (ATTACHMENT 5). Under the Planned Actions presentation, RL invited EPA and Ecology to visit the WIPP facility to review questions on the WIPP acceptance criteria.

9 3 1 2 7 1 9 1 1 9

HWVP Project Summary Schedule



- LEGEND:**
- ★ Key Decisions
 - △ DOE-RL Controlled Milestone
 - ▽ DOE-HQ Controlled Milestone
- ACRONYMS:**
- ATP - Acceptance Test Procedure
 - CAA - Clean Air Act
 - CSOSC - Cost and Schedule Control Systems Criteria
 - EIS - Environmental Impact Statement
 - FSAR - Final Safety Analysis Report
 - GOC - General Construction Contractor
 - NCAW - Neutralized Current Acid Waste
 - OTP - Operations Test Procedure
 - PMP - Project Management Plan
 - PSAR - Preliminary Safety Analysis Report
 - RCRA - Resource Conservation and Recovery Act
 - ROD - Record of Decision
 - WFO - Waste Form Qualification

- ★ Key Decision
1. Approval of New Start
 2. Approval to Commence Detailed Design
 3. Approval to Commence Site Preparation
 4. Approval to Commence Construction

HWVP-06/1

TPA Milestone Review
Meeting Minutes Transmittal/Approval
September 23, 1992 (sheet 3 of 3)

Ecology asked RL for a date when they will respond to their letter of August 28. RL will respond in about one week and said a WIPP visit would be a supplement for answering questions identified in the letter.

7. MILESTONE M-26-01, LDR PLAN

The information was presented by Rudy Guercia (ATTACHMENT 6). No issues were identified and one action for EPA was assigned.

Action: Identify response date to RL letter on EPA comments to the FY 1992 report.

Actionee: D. Sherwood **Due:** October 2, 1992

Note: In a subsequent discussion, Doug Sherwood reported a response letter was sent to RL on August 3, 1992. The action item is complete.

8. MILESTONE M-20-00, PART B AND CLOSURE PLANS

The information was presented by Roger Bowman (ATTACHMENT 7). Under the Accomplishments section, it was reported that the M-20-24 change request was submitted to Ecology and denied. RL will re-submit the change request; however, Ecology still has reservations but will look at it again. Under the Planned Actions, several planned change requests were reviewed. Ecology reported they are currently reviewing a draft copy of the M-20-30 change package with their attorney.

Under Special Topics, ten permit issues were identified in the January 15 permit plus four new issues were identified in recent drafts of the revised permit.

Action: Ecology to provide RL a date for responding to the draft change request (deferral of Part B Permit Application submitted for the maintenance and Storage Facility)(M-20-29).

Actionee: Dave Jansen **Due:** October 12, 1992

9. MILESTONE M-03-00, INITIATE HWVP OPERATIONS

The information was presented by R. L. Long (ATTACHMENT 8). Under the Planned Actions, RL discussed Key Decision 3B which was reviewed with DOE-HQ and approval is expected in November.

Under Special Topics, a change request to delay design from June 1994 to December 1994 was discussed (M-03-03); RL reported there will be no impact to the HWVP FY 1999 construction date. There were no issues or action items identified.

9 3 1 2 7 3 1 1 5 0

Special Topics

- **Change Requests**

<u>Change Number</u>	<u>Class</u>	<u>Milestone</u>	<u>Description</u>
M-03-92-03	2	M-03-03	Change completion date for detail design from June 1994 to December 1994

ATTENDEES

TPA MILESTONE MANAGEMENT REVIEW

SEPTEMBER 23, 1992

EPA CONFERENCE ROOM
MEDICAL/DENTAL BLDG.

<u>NAME</u>	<u>ORGANIZATION</u>	<u>MAILSTOP</u>
<u>F.T. CALAPRISTI</u>	<u>WHC/TPA</u>	<u>B2-35</u>
<u>J.R. Kelly</u>	<u>WHC/Projects</u>	<u>R3-28</u>
<u>Bill Colhado</u>	<u>DOE/Projects</u>	<u>A5-15</u>
<u>E.A. Austin</u>	<u>WHC/TPA</u>	<u>B2 B2-35</u>
<u>G.D. Forehand</u>	<u>WHC/TPA</u>	<u>B2-35</u>
<u>D.R. Sherwood</u>	<u>EPA</u>	<u>B5-01</u>
<u>JADE NYLANDER</u>	<u>Ecology</u>	<u>Kennewick</u>
<u>K. Michael Thompson</u>	<u>DOE/RL/EAP</u>	<u>A5-15</u>
<u>CL Young</u>	<u>Business Planning/WHC</u>	<u>B3-62</u>
<u>R. Paul Carter</u>	<u>DOE-RL WMD</u>	<u>A5-21</u>
<u>EL CARTER</u>	<u>WHC- Proj</u>	<u>R3-35</u>
<u>Darci Teel</u>	<u>Ecology</u>	<u>Kennewick</u>
<u>STEVEN M. SOYKE</u>	<u>WHC</u>	<u>R1-61</u>
<u>Gene Kasiancic</u>	<u>WHC</u>	<u>T6-16</u>

93127331151

Planned Activities (cont)

- **Request Key Decision Number 3B, "Approval to start construction on Packages C-120, C-200, C-350, C-420 and P-27A"**
- **Develop the bid package for the vitrification building foundation**
- **Continue work with Kernforschungszentrum Karlsruhe GmbH on noble metals and with Savannah River Operations on hydrogen generation**
- **Work closely with DWPF on startup of the plant**

ATTENDEES

TPA MILESTONE MANAGEMENT REVIEW

SEPTEMBER 23, 1992

EPA CONFERENCE ROOM
MEDICAL/DENTAL BLDG.

93427581152

<u>NAME</u>	<u>ORGANIZATION</u>	<u>MAILSTOP</u>
Karl N. Pool	WHC	T6-08
Sam M. ...	R-	
RUSTEN H. WARREN	EL	15-13
Billie Mauss	Ecology	...
Dave Jansen	Ecology	Olympia
Dan Josue	Ecology	Olympia
Wu Chin	DOE	A5-18
Rudy Garcia	DOE	A5-21
Tim Augustenberg	DOE	AA-21
Roger Bowman	DOE WHC	
Dale Lindsay	WHC	B2-35
R. Long	DOE	

Planned Activities

- **Submit Clean Air Act permit applications--
October 1992**
- **Issue FY 1993 HWVP Applied Technology Plan--
October 1992**
- **Issue Integrated Defense Waste Processing Facility
Melter System Test Report--August 1992**
- **Continue definitive design with Fluor Daniel, Inc.**
- **Continue site preparation construction**

Install RCRA Groundwater Wells

Milestone M-24-00

M. J. Furman

Waste Operations Program

September 23, 1992

Accomplishments

- **HWVP Groundbreaking ceremony was conducted on May 15, 1992**
- **Five (5) new TPA Interim Milestones were approved**
- **Design of Construction Package C-200, "Mass Excavation" was approved for construction**

Install RCRA Groundwater Wells

Milestone M-24-00

Milestone Description

- o M-24-00 Install RCRA groundwater monitoring wells at the rate of 29 in CY 1989, 30 in CY 1990, and 50 per year thereafter until all land disposal units and single-shell tanks are determined to have RCRA compliant monitoring systems.

- o DELIVERABLE(S) Installation of groundwater wells shall mean that wells have been drilled, adequately sealed, and screened over no more than 15 feet of the aquifer unless otherwise approved by Ecology, that all pumps and associated sampling equipment have been installed, and that such wells have been developed sufficiently to provide satisfactory samples for all parameters to be analyzed. Ecology determines that all such groundwater monitoring systems meet the requirements of WAC-173-303-645.

- o BASELINE SCHEDULE Install wells annually beginning in CY 1989.

Milestone Description (cont)

- **M-03-07** "Initiate installation of **Vitrification Building electrical and instrumentation system**"
- **Deliverable(s)** **Award of contract for Construction Package C-270, "Vitrification Building Electrical/Instrumentation"**
- **Baseline Schedule** **November 1994**

Install RCRA Groundwater Wells

Milestone M-24-00

Accomplishments (June, 1992 to August, 1992)

- Drilled 5, backpulled 9, and made sample ready 10 more of the CY 1992 wells.
- Completed three interim milestones encompassing 14 of the wells in this year's program during July, more than five months early.
- Completed public review and response of change request to modify milestone to read "up to 50" wells per year. Change ready for signature since July.
- Negotiated and submitted for approval three interim milestones for seven wells to be drilled in CY 1993.

Milestone Description (cont)

- **M-03-06** "Initiate installation of Vitrification Building mechanical equipment and piping"
- **Deliverable(s)** Award of contract for Construction Package C-250, "Vitrification Building Mechanical (Pipe and Equipment)"
- **Baseline Schedule** August 1994

Install RCRA Groundwater Wells

Milestone M-24-00

Planned Actions (next six months)

- Proceed with Installation of Wells in Interim Milestones
- Finalize Interim Milestones for CY 1993
- Begin drilling wells for CY 1993.

Milestone Description (cont)

- **M0-03-05** "Initiate construction of the Vitrification Building foundation"
- **Deliverable(s)** Award of contract for Construction Package C-210A, "Vitrification Building Foundation"
- **Baseline Schedule** March 1993

Install RCRA Groundwater Wells

Milestone M-24-00

MILESTONE ASSESSMENT - Schedule

- LLBG RCRA (10) - (M-24-19) COMPLETED JULY 29
4 remaining wells made sample ready
- Grout (2) - (M-24-20) Second well drilled and backpulled. One sample ready.
- 1301-N Crib (2) - (M-24-21) COMPLETED JULY 13.
- 1324-N Pond (1) - (M-24-22) Surface casing set.

- S-10 Pond and Ditch (1) - (M-24-23) On Schedule Site approved and staked.
- B-63 Trench (2) - (M-24-24) COMPLETED JULY 15.

- A-29 Ditch (2) - (M-24-25) On Schedule. Wells drilled and backpulled.
- NRDWL (2) - (M-24-26) On Schedule. Wells approved and staked.

- B-Pond (2) - (M-24-27) On Schedule. Wells approved and staked.
- SST's (2) - (M-24-28) Wells drilled and backpulled. One sample ready.

- TBD's (4) - Additional well locations have not been nominated.

Milestone Description (cont)

- **M-03-04** "Initiate construction of the Canister Storage Building or Multi-Purpose Storage Complex"
- **Deliverable(s)** Award of contract for Construction Package C-350, "Canister Storage Building"
- **Baseline Schedule** February 1993

Install RCRA Groundwater Wells

Milestone M-24-00

MILESTONE ASSESSMENT (cont'd)

Well Summary (As of August 31, 1992)

26 Identified Wells

	<u>Complete</u>	<u>Remaining</u>	<u>In Progress</u>
Wells Drilled	20	6	1
Wells Backpulled	20	6	0
Wells Sample Ready	16	10	0

Milestone Description (cont)

- **M-03-03** "Complete Vitrification Building and HWVP detailed design"
- **Deliverable(s)** Transmittal of release for construction design media to the General Construction Contractor
- **Baseline Schedule** June 1994

Install RCRA Groundwater Wells

Milestone M-24-00

MILESTONE ASSESSMENT (cont'd)

- Technical Scope

- Drilling started in December 1991
- Interim Milestones Approved
- Twenty of the wells drilled to depth and backpulled.
- Sixteen wells sample ready.
- Three of ten interim milestones for this year are complete.

Milestone Description (cont)

- **M-03-02** **"Complete HWVP construction"**
- **Deliverable(s)** - **Construction of HWVP buildings and facilities is complete**
 - **Contractor acceptance testing of HWVP systems is completed and accepted by HWVP Startup**
- **Baseline Schedule** **June 1998**

Install RCRA Groundwater Wells

Milestone M-24-00

MILESTONE ASSESSMENT (cont'd)

- Budget vs. Cost (\$ in 000's)

Cumulative

	Oct-Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
FYTD Budget	2229	2998	3915	4736	5667	6666	7189	8044	8530	9056
FYTD Cost	950	3379	4003	4773	5419	6097	6572	6948	7571	
Spending Variance *	1279	-381	-88	-37	248	569	617	1096	959	

Variance Explanation: Budget for June through September reduced.

Reflects reduced number of wells and finish after end of fiscal year.

Underrun at end of fiscal year expected to be of same magnitude. Underruns shown positive.

Milestone Description (cont)

- **M-03-01** **"Initiate HWVP construction"**
- **Deliverable(s)** - **Initiate site preparation activities**
 - **Initiate procurement of long-lead construction materials**
 - **Initiate design of HWVP Canister Storage Building**
- **Baseline Schedule** **April 1992A**

Install RCRA Groundwater Wells

Milestone M-24-00

SPECIAL TOPICS

- Change Requests

<u>Change Number</u>	<u>Class</u>	<u>Milestone</u>	<u>Description</u>
✓ M-24-91-6	1	M-24-00	Establish agreed interim milestones as the annual requirement. Milestone "up to" 50 wells per year. Up to 4 "TBD" wells may be identified by Ecology.(M-24-29)
			Public Review Period Completed; Responses to Comments Made. Change request ready for signature unchanged.
M-24-92-1	2	M-24-30 M-24-31 M-24-32	Establish interim milestones for wells to be drilled in CY 1993 at three locations; total of seven wells.

Forwarded to Ecology and EPA for approval on September 22, 1992.

Milestone Description

- **M-03-00** "Initiate Hanford Waste Vitrification Plant (HWVP) operations"
- **Deliverable(s)** Initiation of operations will be considered complete when radioactive waste is fed into the HWVP melter
- **Baseline Schedule** December 1999

Install RCRA Groundwater Wells

Milestone M-24-00

SPECIAL TOPICS

● FY 1993 PROJECT TRANSITION

- New Line Item Funds Drilling FY93-96
- Project W-152 was Validated in 1991 and Revalidated in 1992
- Presentation made by DOE-RL to Energy Systems Advisory Board (ESAAB) in July. Key Decisions 0 and 1 were subsequently approved.
- Supplemental information on wells at Hanford requested. Presentation scheduled on October 5.
- Funds expected to be available in January 1993.

(ATTACHMENT 8)

Initiate Hanford Waste Vitrification Plant Operations

Milestone M-03-00

R. L. Long

**Acting Project Manager, HWVP
TWRS Project Office**

September 23, 1992

AGENDA

TPA MILESTONE MANAGEMENT MEETING

Wednesday, September 23, 1992

EPA Conference Room
Medical/Dental Bldg.

<u>TIME</u>	<u>MILESTONE</u>	<u>TITLE</u>	<u>RL DIVISION DIRECTOR</u>	<u>LEVEL 2/3 MGR.</u>	<u>PRESENTER</u>
8:00 am	M-24-00	Groundwater Wells	J. M. Hennig	R. D. Wojtasek	M. J. Furman
8:30 am	M-11-00	Lab Hot Cell Expansion	J. M. Hennig	J. R. Kelly	R. P. Carter
	M-14-00	Low Level Lab	J. M. Hennig	C. R. Stroup	R. P. Carter
9:15 am	M-18-00	WRAP I	J. M. Hennig	R. J. Roberts	R. F. Guercia
	M-19-00	WRAP II	J. M. Hennig	R. J. Roberts	R. F. Guercia
	M-26-01	LDR Plan	J. M. Hennig	C. J. Geier	R. F. Guercia
10:00 am	M-20-00	Part B and Closure Plans	J. D. Bauer	C. J. Geier	C. E. Clark
11:00 am	M-03-00	Initiate HWVP Operations	R. W. Brown	D. J. Newland	R. L. Long
11:30 am		LUNCH / General Discussion -- 300 Area Process Trench			
1:00 pm		TPA Project Managers site tour to review status of 242-A Restart, LERF Start UP, Projects C-018H (242-A Evaporator/Purex Plant Condensate Treatment Facility) and W-049H (200 Area Treated Effluent Disposal Facility).			
		Tour Coordinator -- Cindy Borneman			
4:00 pm					

9 2 1 2 7 5 8 1 1 8 5 2 7 1 2 6

SPECIAL TOPICS (cont'd)

- **Submittal of Part B Applications/Closure Plans After May 1996**
 - o Denial of TBG petitions
 - o Management of regulators and contractor workloads
 - o Change of TSD unit missions
 - o Options
 - Extend end date for M-20-00 to 2018
 - Create a new major milestone
 - Revise M-20-00 case-by-case
 - Other options

**Complete Construction and Initiate Operations
of Expanded Laboratory Hot Cells for
High-Level Radioactive Mixed Waste**

MILESTONE M-11-00

Paul Carter

September 23, 1992

SPECIAL TOPICS (cont'd)

- **Draft Hanford Facility Permit (cont'd)**

- o **Three meetings among RL, EPA, and Ecology were held in the July-August time frame to work towards resolving issues. An additional meeting is being held on September 23, 1992.**

MILESTONE DESCRIPTION

- **M-11-00** Complete construction and initiate operations of expanded laboratory hot cells for high-level radioactive mixed waste.
- **DELIVERABLE(S)** Complete Conceptual Design for hot cell expansion - June 1989
Complete Definitive Design for hot cell expansion - March 1992
- **BASELINE SCHEDULE** Complete construction and initiate operations - June 1994

SPECIAL TOPICS (cont'd)

● **Draft Hanford Facility Permit (cont'd)**

- o **If permit issued as now stands, appeal proceedings are likely for conditions relating to the following major issues**
 - **Permitting approach**
 - **Designation of the permittee**
 - **Regulatory agency authority**
 - **Jurisdiction over radioactive materials**
 - **Onsite waste movement**
 - **Mapping/marketing of underground pipelines**
 - **RCRA/CERCLA integration**
 - **Design and construction impact**
 - **Relationship between TPA and the permit**
 - **Incorporation of documents**
 - **Contract Laboratory Program**
 - **Regulation of air emissions**
 - **Records access/site access**
 - **Professional engineer certification**

ACCOMPLISHMENTS (Last three months)

- **Started construction. Fire water line installed. Building footings and stem walls poured. Buried pipe and duct fabrication started.**
- **Started off-site fabrication of hot cell.**
- **Awarded letter contracts on major equipment (shielding windows and manipulators).**

SPECIAL TOPICS

● **Draft Hanford Facility Permit**

- o **Hanford Site comments on draft hanford facility permit transmitted to Ecology and EPA in March 1992**
- o **Comments based on one or more of the following criteria:**
 - **Regulatory authority**
 - **Appropriate level of control**
 - **State-wide consistency of regulatory requirements**
 - **Consistency with TPA**
 - **Management efficiency and cost effectiveness**
- o **Current draft permit does not adequately meet these criteria**
- o **DOE proposed a schedule that would have the permit issued for public comment in January of 1993**
- o **It is rumored that Ecology is working to a schedule that will have the permit issued for public comment in early October 1992**
- o **Ecology has yet to provide a schedule for finalization of the permit**

PLANNED ACTIONS (Next six months)

- **Continue construction. Pour hot cell foundation and building floor slab. Install buried duct and pipe.**
- **Continue fabrication of hot cell.**
- **Finalize contracts for major equipment (shielding windows and manipulators).**

MILESTONE ASSESSMENT (cont'd)

● Budget vs. Cost (\$ in 000's)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
						**						
FYTD Budget	554	1078	1658	2166	2807	4480	5495	5479	5333	5614	6541	8484
FYTD Cost	188	682	1012	1547	1995	3457	4079	4507	4972	5479	6077	
Variance *	+366	+396	+649	+619	+809	+1023	+1416	+972	+361	+135	+464	

* Variance Explanation: M-20 is currently underspent due to continued delays in receipt of comments and NOD responses resulting in less than planned support for follow-on revisions for Closure Plans and Part B Permit applications.

** All pieces (work packages & tasks) of M-20 Milestone funding were identified and included in numbers starting with March.

MILESTONE ASSESSMENT

Schedule

- Conceptual Design completed June 1989 (Interim milestone M-11-01)
- Definitive Design completed February 1992 (Interim milestone M-11-02, March 1992)
- Construction Schedule
 - Awarded construction contract June 1992
 - Began construction July 1992
 - Complete construction December 1993
- Complete construction for Hot Cells Expansion June 1993 (Target Milestone M-11-00-T1)
 - Change Request will be provided
- Initiate Operations June 1994 (Major Milestone M-11-00)

MILESTONE ASSESSMENT

- Technical Scope

- o **Action on Hanford Facility Permit for the treatment, storage and disposal of dangerous waste (Facility Permit) delayed by Ecology 2 to 8 months (from April 1992)**
 - **Unresolved issues from Hanford Facility Permit impact TSD Unit Part Bs**

MILESTONE ASSESSMENT (cont'd)

Technical Scope

- No changes in scope

Planned Actions (next six months) (cont'd)

● **Unit-Specific Part B's (cont'd)**

- o Respond to Part B NODs when received from Ecology for the following units:
 - Double-Shell Tank System (Submitted: 06/30/91)(M-20-16)
 - 242-A Evaporator (Submitted: 06/30/91)(M-20-17)
 - Liquid Effluent Retention Facility (Submitted: 06/30/91)(M-20-47)
 - 222-S Laboratory (Submitted: 12/31/91)(M-20-22)
 - 325 Waste Treatment Facility (Submitted: 06/30/92)(M-20-20)
 - TRUSAF (Submitted: 06/30/92)(M-20-23)
 - Grout, Revision 2 (Submitted 07/26/92)(No TPA Milestone Number)
 - Low-Level Burial Grounds (Submitted 12/30/89)(M-20-06)

MILESTONE ASSESSMENT (cont'd)

Budget vs. Cost (\$ in Millions)

Fiscal Year to Date	1 st Qtr.	2 nd Qtr.	Apr	May	June	July	Aug	Sept
Budget	.653	1.046	1.103	1.166	.971*	1.516	2.107	7,706.0
Cost	.657	1.076	1.133	1.185	1.235	1.777	2.135	
Spending Variance	-.005	-.030	-.030	-.020	-.264	-.251	-.028	

*Correction to 101
" millions*

Variance Explanation: Contractor slightly ahead of schedule.

***Cumulative total dips due to re-spread of contractor dollars.**

Planned Actions (next six months) (cont'd)

- Unit-Specific Part B's

- Submittal of a TPA Change Request for removal of the milestone for a Part B Permit Application for the 303-M Oxide Facility (M-20-30)
- Submittal of a TPA Change Request for deferral of the Part B Permit Application submittal for the Maintenance and Storage Facility (M-20-29)
- Submittal of Revision 1 of the Request for Exemption from Lined Trench Requirements for Submarine Reactor Compartments
- Submittal of final page changes for the Waste Water Pilot Plant RD&D Permit
- Respond to Part B NODs received from Ecology for the RMW Storage Facility (Submitted: 10/31/91)(M-20-05)

PROJECT W-001, 222-S VENTILATION AND ELECTRICAL UPGRADE

Budget vs. Cost (\$ in Thousands)

Fiscal Year to Date	1 st Qtr.	2 nd Qtr.	Apr	May	June	July	Aug	Sept
Budget	44.5	60.1	69.5	81.1	31.4	33.3	96.7	-1785.0
Cost	76.5	125.5	147.7	190.5	260.1	307.9	398.7	
Spending Variance	-32.0	-65.4	-78.2	-109.4	-228.7	-274.6	-302.0	

Variance Explanation: Cost account plans for budget were established in FY 1991. Project has experienced numerous delays due to TEC issue. Cost account plans are being revised, pending additional funding and payment schedules for construction procurement contracts.

Planned Actions (next six months)

● Unit-Specific Closure Plans

- o Respond to closure plan NODs when received from Ecology for the following units:
 - 2101-M Pond (Submitted: 04/03/91)(M-20-03)
 - Nonradioactive Dangerous Waste Landfill (Submitted: 08/31/90) (M-20-07)
 - 300 Area Waste Acid Treatment System (Submitted: 11/26/90)(M-20-10)
 - 4843 Alkali Metal Storage Facility (Submitted: 06/28/91) (M-20-14)
- o Working on preparing closure plans for submittal in November 1992
 - Hanford Patrol Academy Demolition Site (M-20-25)
 - Ashpit Demolition Site (M-20-26)
 - Hexone Storage and Treatment Facility (M-20-27)
 - E-8 Borrow Pit Demolition Site (M-20-28)

SPECIAL TOPICS

- **Key interface Project W-001 (222-S Laboratory HVAC and Electrical Upgrade) has \$2.9 million shortfall for construction. Additional funding has been requested for Project W-001. Need date for funding has been moved to January 1993 due to savings on Fixed Price Contract.**

- **Project W-001 will provide:**
 - **Upgraded HVAC and electrical services for existing facility**

 - **Capacity for W-041H HVAC and power needs**

 - **All long-lead procurements out for bid.**

 - **Fixed Price construction contract expected to be awarded in September.**

Accomplishments (last three months)

- Part Bs (cont'd)

- o Submitted the Grout Part B Permit Application, Revision 2 (07/26/92)
(No TPA Milestone Number)
- o Submitted an NOD response table for the Waste Receiving and Processing Facility Part B Permit Application (09/18/92)
- o Submitted a TPA Change Request to change the Purex Milestone from submittal of a Part B Permit Application in September 1992 to submittal of a Part B Permit Application or Closure Plan in July 1995 (M-20-24)

**Complete Construction and Initiate Operations
of A Low-Level
Mixed Waste Laboratory**

Milestone M-14-00

R. P. Carter

September 23, 1992

Accomplishments (last three months)

● **Closure Plans**

- o Conducted work on 17 closure plans
- o Conducted monthly unit manager meetings

● **Part Bs**

- o Conducted work on 15 Part Bs
- o Conducted monthly unit manager meetings
- o Submitted the 325 Waste Treatment Facility Part B Permit Application (06-30-92) (M-20-20)
- o Submitted the TRUSAF Part B Permit Application (06-30-92)(M-20-23)

Milestone Description

- **M-14-00** Complete construction and initiate operations of a low-level mixed waste laboratory (January 1992).
- **Deliverables(s)** Facility accepted by operations contractor and RL for facility start-up.
- **Baseline Schedule** Complete construction and initiate operations January 1992. This milestone in dispute resolution. Currently working toward April 1994 WSCF start-up.

Milestone Description

- o **M-20-00** **Submit Part B Permit Applications or closure plans for all RCRA TSD Units (5-96)**

- o **DELIVERABLE(S)** **Complete individual TSD unit submittals in accordance with Appendix D Work schedules (~ 10 submittals per year)**

Accomplishments (Last three months)

- Site preparation contract completed.
- Fabrication of Laboratory Modules proceeding.
- Core/Administration Facility work proceeding on schedule.
- Auxiliary Structures design/construct specification bids received.
- Hired WSCF start-up manager.
- Specification for setting & check of laboratory modules approved.

(ATTACHMENT 7)

Permits and Closure Plans

Milestone M-20-00

R. C. Bowman

Environmental Permits

September 23, 1992

9 3 1 2 7 . 9 1 1 3 3

Accomplishments (Last three months)

- **Sending Turnaround Time Data to Regulators Monthly.**
- **Tracking commercial Laboratory Turnaround Times per one year trial period and reporting results quarterly.**

Milestone Assessment - (Continued)

- Budget versus cost (\$ in 000's) through August 1992

	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept
- FYTD Budget:	58.4	66.6	73.1	81.0	90.6	96.3	111.9	137.6
- FYTD Cost:	35.8	50.3	72.7	85.0	94.0	100.4	102.5	
- Spending Variance:	-22.8	-16.3	-0.4	4.0	3.4	4.1	-9.4	

- Variance Explanation: LDR Report preparation is currently underrun due to the following:

- Consulting services were not required in FY 1992

Planned Actions (Next six months)

- Award contract for auxiliary structures October 1992.
- Award contract for setting and check of laboratory modules.
- Complete Module construction October 1992.
- Continue tracking commercial Laboratories Turnaround Times per one year trial period.

Planned Actions

- Submittal of 1993 report to EPA and Ecology by April 30, 1993.
- Response to EPA comments on 1992 report were transmitted to EPA on July 2, 1992. EPA response has not yet been received.

Milestone Assessment

- Preparation of 1993 updated LDR status report will be initiated in November 1992.

Milestone Assessment

BUDGET VS COST (\$ IN MILLIONS):

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT
BUDGET	.1	.3	.7	2.0	2.8	3.6	5.1	6.5	7.9	9.3	10.5	12.2
COST	.1	.5	1.7	1.9	2.3	3.4	3.8	4.5	5.8	6.6	8.0	
VARIANCE	-	-.2	-1	.1	.5	.2	1.3	2.0	2.1	2.7	2.7	

VARIANCE EXPLANATION: Contract billings delayed.

Milestone Description

- **M-26-01** **Submit an annual Hanford Land Disposal Restrictions (LDR) Report in accordance with the LDR Plan to cover the period from April 1 through March 31.**
- **Deliverables** **Submit "1993 Report on Hanford Land Disposal Restrictions for Mixed Wastes" to EPA and Ecology.**
- **Schedule** **Status reports submitted annually by April 30.**

Special Topics

- Finalize dispute resolution on M-14-00.
 - Public comment incorporation
 - Formalize change to M-14-00

(ATTACHMENT 6)

LAND DISPOSAL RESTRICTIONS ANNUAL REPORT

M-26-01

WASTE MANAGEMENT DIVISION

R. F. Guercia

September 23, 1992

9 2 1 2 7 1 3 1 1 7 4

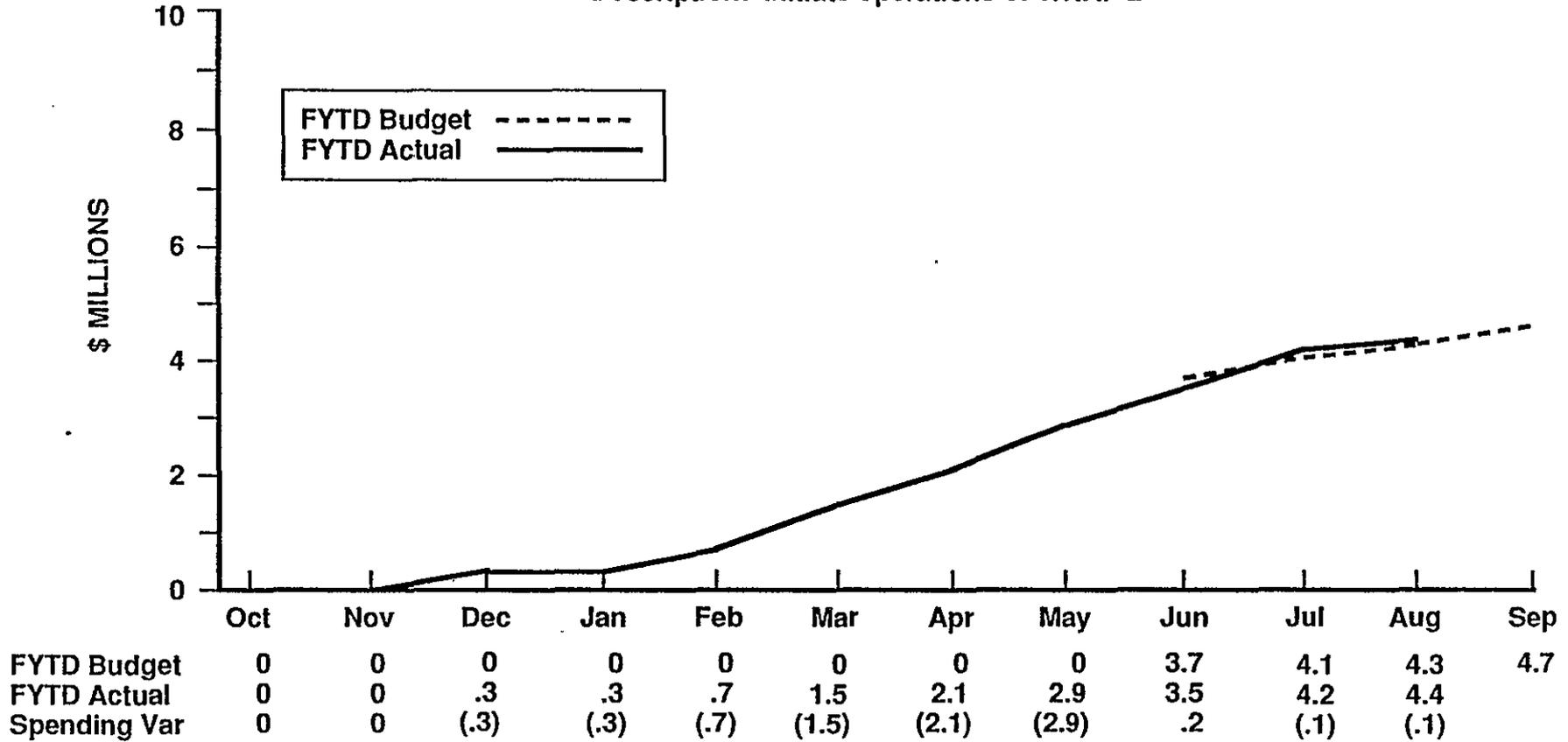
COMMERCIAL LABORATORY TURNAROUND TIMES

- Average turnaround times calculated from date of sample collection to date of complete data receipt.
- Laboratories A and B are performing within Tri-Party Agreement requirements.
 - Elevated turnaround time for Laboratory B in August due to 46 day delta from sample collection to laboratory receipt for C-018H samples.
 - No sample data was due from Laboratory A in May.

MILESTONE M-19

FY 1992

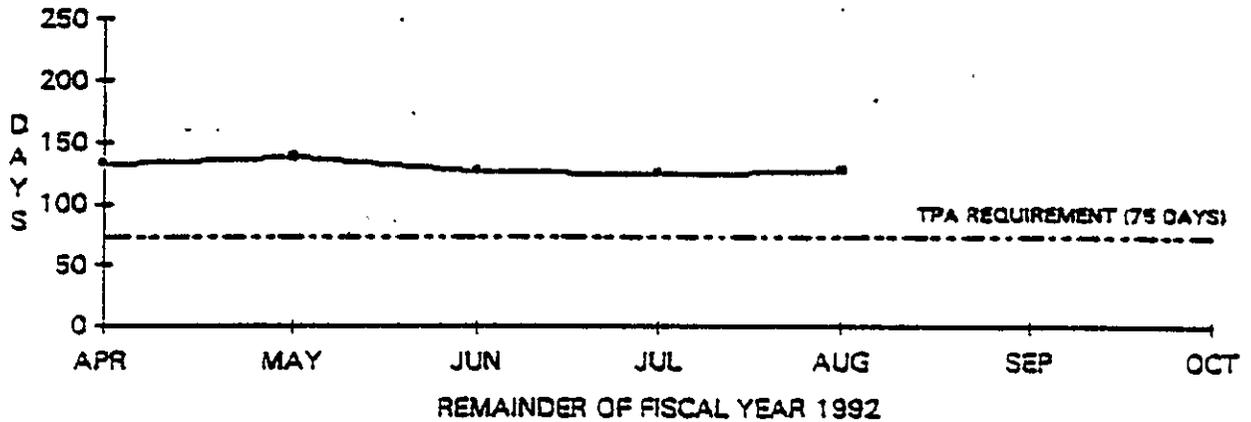
Description: Initiate operations of WRAP 2



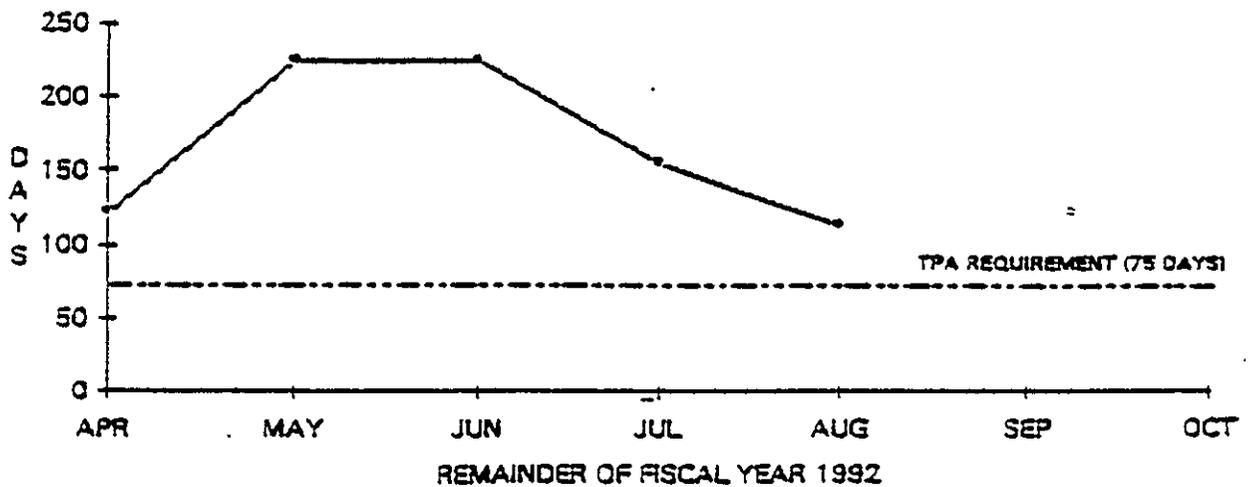
Note: SW is anticipating an additional \$300K funding, or spending authority, for work on WRAP 2B.

**COMMERCIAL LABORATORIES AVERAGE TURNAROUND TIMES
FOR LOW LEVEL RADIOACTIVE SAMPLE ANALYSIS*
BY MONTH COMPLETE DATA IS RECEIVED**

**COMMERCIAL LABORATORY C AVERAGE
TURNAROUND TIME**



**COMMERCIAL LABORATORY D AVERAGE
TURNAROUND TIME**



*Note: Turnaround times are calculated from the date of sample collection to the date of complete data received.

9312753181

Milestone Assessment

Proposed WRAP 2A

- o Schedule - on Proposed target

- o WRAP 2A is a FY 1994 Line Item

Proposed WRAP 2B

- Schedule - on Proposed schedule, engineering study by March 1993

- Issues - WIPP acceptance criteria

- Earliest WRAP 2B is a FY 1996 Line Item

COMMERCIAL LABORATORY
TURNAROUND TIMES
(CONTINUED)

- Turnaround times for Laboratories C and D are elevated as backlogs are eliminated.
- Turnaround times for samples submitted to Laboratory D in May/June time frame have ranged from 80-100 days.
- Laboratory C continues to work-off backlog; reduction in turnaround time anticipated for October time frame.

Planned Actions

Proposed WRAP 2A

- o Continue Advanced Conceptual Design Studies
- o Begin development for Part B Permit application (32 month cycle)
- o Resolve "change request" issues and prepare response to Aug. 28 Agency comments

Proposed WRAP 2B

Continue to evaluate uncertainties associated with WIPP waste acceptance criteria

Resolve "change request" issues

Develop Engineering studies to evaluate technical options

Waste Receiving and Processing Module 1

Milestone M-18-00

R. F. GUERCIA

WASTE MANAGEMENT DIVISION

SEPTEMBER 23, 1992

Accomplishments

Proposed WRAP 2A

- o Held technical discussions on Basis for Change Request
- o Completed Conceptual Design Report
- o Initiated Advanced Conceptual Design Studies
- o Conducted WRAP 2A Project Validation Review

Proposed WRAP 2B

- Held technical discussions on Basis for Change Request
- Conducted three day workshop with WIPP representatives discussing waste acceptance issues

Milestone Description

- o Complete Waste Receiving and Processing (WRAP) Module 1 construction and initiate operations. The WRAP Module 1 is required to sort and repackage wastes that are planned to be retrieved from retrievable storage units. Much of the waste currently stored in the retrievable storage units is anticipated to be radioactive mixed waste. Some of the radioactive waste stored on the pads is known to contain extremely hazardous waste as well as federally land-banned waste
- o The completion of construction and the initiation of Operational Test Procedures (OTP's) and start-up will constitute the deliverable
- o Completion of M-18-00 is scheduled for September, 1996. Milestone CR proposed change to March 1997)

Milestone Description

- o **Complete Waste Receiving and Processing (WRAP) Module 2 construction and initiate operations. The WRAP Module 2 will include waste treatment capabilities to minimize land disposal of low-level radioactive waste and radioactive mixed waste. The September 1999 completion date of WRAP Module 2 is critical to achieving compliance for the management of wastes that are prohibited from land disposal and extended storage**

Proposed WRAP 2A

The WRAP Module 2A will include waste treatment capabilities for low-level radioactive waste and radioactive mixed waste. WRAP 2A is critical to achieving compliance for the management of wastes that are restricted from land disposal and extended storage. Start-up is proposed for Sept 1999

Proposed WRAP 2B

The WRAP Module 2B will characterize, treat, and repackaging as required to permit permanent disposal of newly generated TRU and suspect TRU in containers too large or heavy to be handled in WRAP Module 1 and all RH-TRU waste start-up is TBD

Accomplishments

- o Submitted Construction Management Plan to RL
- o Submitted Response to FIRST Notices of Deficiencies

Planned Actions

- o Resolve Tri-Party Agreement Change Request
- o Continue Title II Design activities
- o Review application of Supercompactor design

Waste Receiving and Processing Module 2

Milestone M-19-00

R. F. GUERCIA

WASTE MANAGEMENT DIVISION

SEPTEMBER 23, 1992

Milestone Assessment

- o **Schedule**

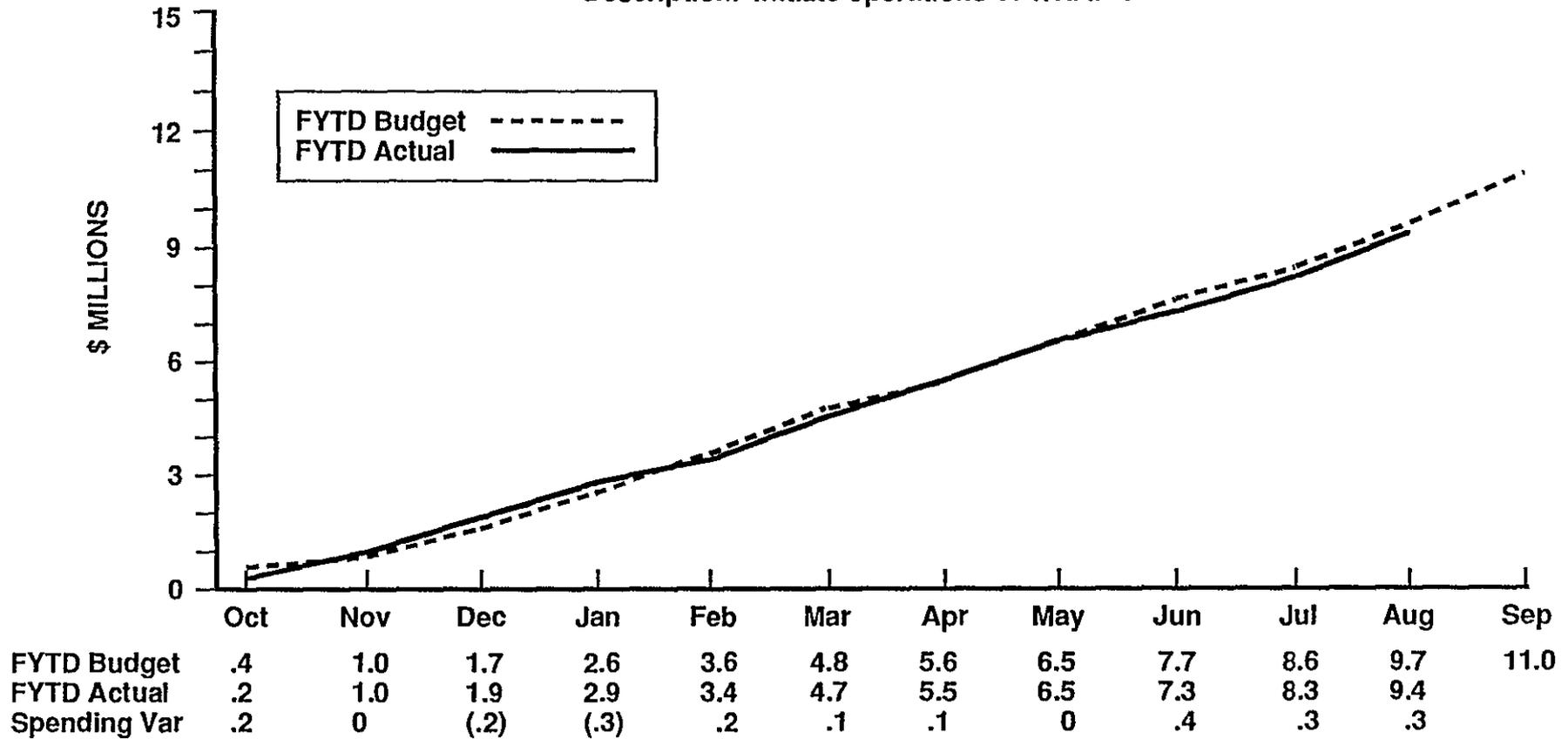
Current planning is to meet Change Request schedule of March 1997 date to start operations/start-up

United Engineers and Constructors one month behind in Title 2 Design

MILESTONE M-18

FY 1992

Description: Initiate operations of WRAP 1



Variance Explanation: N/A