

START

0022397

Meeting Minutes Transmittal/Approval
Tri-Party Agreement Milestone Review Meeting
EPA Conference Room
Richland, Washington
June 24, 1992

From/ Appvl.: Steve Wisness Date: 7/22/92
Steven H. Wisness, RL (A5-19)
Hanford Project Manager

Appvl.: Paul T. Day Date: 7/22/92
Paul T. Day, EPA (B5-01)
Hanford Project Manager

Appvl.: David B. Jansen Date: 7/22/92
David B. Jansen
Hanford Project Manager

Prepared by Appvl.: Tim Veneziano Date: 7/22/92
Tim Veneziano, Westinghouse Hanford Company

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TPA Milestone Review
Meeting Minutes Transmittal/Approval
June 24, 1992 (sheet 2 of 4)

1. MEETING MINUTES

The minutes were approved for the milestone review of April 22, 1992 and the Project Managers meeting of May 21, 1992.

2. MILESTONE M-24-00 Groundwater Wells

The information was presented by Rex Thompson (Attachment 1).

RL requested that the change request M-24-91-4 be signed off by Ecology and EPA. It was noted in the discussion that the date for FY93 funding availability is uncertain; particularly in this election year.

It was also noted the procurement for a Sonic drilling rig (used for CERCLA investigation) is an issue because of an IG request for additional justification; since all drilling milestones have been met with existing cable tool rigs.

There was discussion on the status of the ODEX drilling techniques and progress was reported as satisfactory. A 25% cost savings per well is expected with this method, in addition to reduced drum waste. RL reported the existing contract was extended to October 1992. Ecology volunteered to provide a written assessment of the ODEX drilling method and alternate drilling techniques.

It was noted the cost of each RCRA well is about \$150,000. Any cost savings from the ODEX drilling method would be returned to HEC for re-prioritization

It was stated there are no cost and schedule issues associated with M-24-00; assuming the current change request is approved. The language of the proposed milestone will be reviewed against the actions being planned for consistency.

3. MILESTONE M-11-00 Hot Cell Expansion

The information was presented by Paula Clark (Attachment 2)

It was noted the construction contract (Project W-041) was awarded last Friday, However, a Toxic Air Pollutant permit is required by mid-July to proceed with construction. Ecology plans to issue a joint approval with the local air authority. It was reported there is a need for congressional reprogramming approval of Project W-001 by August 1992 to avoid a potential impact to the milestone.

4. MILESTONE M-14-00 Low Level Laboratory

The information was presented by D. Wanek (Attachment 3).

RL asked if lab turnaround times were needed by both Ecology and EPA. The regulators replied in the affirmative and EPA will coordinate received data with Ecology. A sample status report was provided by EPA (Attachment 3A) which will be used by RL to report to EPA and Ecology.

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TPA Milestone Review
Meeting Minutes Transmittal/Approval
June 24, 1992 (sheet 3 of 4)

RL reported that a new organization has been formed to focus on issues associated with analytical services. This organization includes the activities now performed by OSM. Additional organizational information will be provided to the regulators in a RL presentation planned for August.

EPA asked if additional funds were in the FY94 budget for additional ERA work, which was agreed to under M-14-00 Dispute Resolution Agreement. It was noted the ERA work has not been identified but there is time to request funds for the FY94 budget.

- **Action:** Identify ERA actions for FY94
Responsibility: P. Day, S. Wisness, D. Jansen
Date: July 31

It was noted there are no major "show stoppers" impacting the approval of the dispute resolution by the three parties.

There was a discussion on the lab turnaround time and RL said they are working to the 75 day requirement. It was stated 75 days will be very difficult for the contractors but RL will continue to work the problem.

A status of the commercial laboratory procurement activities was reviewed and the plan is to award the contracts in August. Lab assessments will be performed by RL after the contract awards. Assessments will be performed over a 6 month period with samples to be submitted in early FY93.

5. MILESTONE M-18 WRAP I

The information was presented by R. Guercia (Attachment 4)

There was no discussion on the WRAP I presentation except for the following action items.

- **Action:** RL to provide a letter to EPA and Ecology on the status of WAIL and WRAP
Responsibility: Syn Moy
Date: July 10

- **Action:** Ecology to resolve WRAP I change request of February 1991. (RL to provide Ecology with a copy of the change request)
Responsibility: D. Jansen
Date: July 23, 1992

TPA Milestone Review
Meeting Minutes Transmittal/Approval
June 24, 1992 (sheet 4 of 4)

6. MILESTONE M-19 WRAP II

The Information was presented by R. Guercia (Attachment 5)

There was no discussion on the M-19 presentation.

RL provided an additional presentation (Attachment 6) on the strategy for WRAP projects in support of the Tri-Party Agreement change request.

There were no issues or action items resulting from the 2 presentations.

7. MILESTONE M-20 Part B and Closure Plans

The information was presented by C. Clark (Attachment 7)

Regarding the Milestone Assessment of Technical Scope, RL asked for Ecology's position on the Hanford Facility Permit; which is expected to be delayed 2-8 months by Ecology.

Ecology reported they had a meeting with EPA last week and resolved most of the administrative issues. The meeting in July with the Unit Managers and other meetings will work the remaining issues.

Ecology asked for a continuation of the RL status reports reflecting actions required by Ecology. It was also noted by RL and Ecology the development of an improved working relationship between the parties. The Kennewick Office of Ecology requested that Tom Tebb be included in all meeting notices regarding this milestone

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AGENDA

TPA MILESTONE MANAGEMENT MEETING

Wednesday, June 24, 1992

FED/Room 780

<u>TIME</u>	<u>MILESTONE</u>	<u>TITLE</u>	<u>RL DIVISION DIRECTOR</u>	<u>LEVEL 2/3 MGR.</u>	<u>PRESENTER</u>
9:00 am	M-24-00	Groundwater Wells	J. M. Hennig	R. D. Wojtasek	M. J. Furman
9:30 am	M-11-00	Lab Hot Cell Expansion	J. M. Hennig	J. R. Kelly	R. P. Carter
10:15 am	M-14-00	Low Level Lab	J. M. Hennig	C. R. Stroup	R. P. Carter
11:00 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
11:45 am		LUNCH			
12:30 pm	M-20-00	Part B and Closure Plans	R. D. Izatt	C. J. Geier	C. E. Clark
1:30 pm		General Discussion			
2:30 pm		Adjorn			

DISTRIBUTION

Allen-Floyd, JC	WHC	B2-35
Borneman LE	WHC	B2-35
Calapristi FT	WHC	B2-35.
Clark, CE	RL	A5-15
Clark, PK	RL	A5-21
Claussen, DW	RL	A5-21
Collins, MS	RL	A5-18
Day PT	EPA	B5-01
Forehand, GD	WHC	B2-35
Giomi, JI	WHC	H4-18
Guercia, RF	RL	A5-21
Hennig JM	RL	A5-21
Holt, RG	RL	A5-15
Jansen DB	PV-11	Olympia, WA
Joyce, SM	WHC	H1-61
Kelly, JR	WHC	R3-28
Krupin, PJ	RL	A5-19
McLeod, RG	RL	A5-19
Moy, SK	RL	A5-21
Nylander, D	Ecology	Kennewick
Pauly, TR	WHC	G6-46
Pierce, BD	WHC	N3-13
Pierce, RD	WHC	N3-13
Price, SM	WHC	H4-57
Rasmussen JE	RL	A5-15
Roberts, RJ	WHC	N3-13
Thompson, RR	WHC	L4-88
Thompson KM	RL	A5-15
Veneziano TB	WHC	B2-35
Wanek, DM	RL	A7-50
Warren, RN	RL	A5-18
Wisness SH	RL	A5-15
Yerxa JK	RL	A5-15
EDMC	WHC	H4-22

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ATTENDEES

TPA MILESTONE MANAGEMENT REVIEW

JUNE 24, 1992

FED/ROOM 780

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<u>NAME</u>	<u>ORGANIZATION</u>	<u>MAILSTOP</u>
<u>F.T. CALAPRISTI</u>	<u>WHC / TPA</u>	<u>B2-35</u>
<u>R.R. Thompson</u>	<u>WHC / Env. Prog.</u>	<u>L4 - 88</u>
<u>J R Kelly</u>	<u>WHC / Projects</u>	<u>R3-28</u>
<u>GD Forehand</u>	<u>WHC / TPA</u>	<u>B2-35</u>
<u>Paul Day</u>	<u>EPA</u>	<u>B5-01</u>
<u>David Jansen</u>	<u>Ecology</u>	<u>PU-11</u>
<u>Steve Wisner</u>	<u>DOE</u>	<u>A5-15</u>
<u>K. Michael Thompson</u>	<u>DOE-RL-EAP</u>	<u>A5-15</u>
<u>D. Nylander</u>	<u>Ecology</u>	<u>Kennecott</u>
<u>Cheryl Young</u>	<u>WHC / Business Planning</u>	<u>B3-62</u>
<u>Russell N. Ware</u>	<u>DOE-RL-PMD</u>	<u>A5-18</u>
<u>Richard Pierce</u>	<u>WHC / S/L Waste Management</u>	<u>N3-13</u>

ATTENDEES

TPA MILESTONE MANAGEMENT REVIEW

JUNE 24, 1992

FED/ROOM 780

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<u>NAME</u>	<u>ORGANIZATION</u>	<u>MAILSTOP</u>
<u>JC Allen-Joyd</u>	<u>TPA/WNE</u>	<u>B2-35</u>
<u>MS Collins</u>	<u>RL</u>	<u>A5-18</u>
<u>DM Waner</u>	<u>RL</u>	<u>A7-50</u>
<u>SM Joyce</u>	<u>WHC</u>	<u>H-1-61</u>
<u>EK Carter</u>	<u>WHC</u>	<u>R3-38</u>
<u>J. M. Hennig</u>	<u>RL</u>	<u>A5-21</u>
<u>LE Borneman</u>	<u>WHC/TPA</u>	<u>B2-35</u>
<u>JON VERXA</u>	<u>RL</u>	<u>A5-15</u>
<u>Tom Pauly</u>	<u>WHC</u>	<u>G6-46</u>
<u>D.W. CLASSEN</u>	<u>RL</u>	<u>A5-21</u>
<u>RD Pierce</u>	<u>WHC</u>	<u>N3-13</u>
<u>R.J. ROBERTS</u>	<u>WHC</u>	<u>N3-13</u>
<u>RF GUERCI</u>	<u>RL</u>	<u>A5-21</u>

AGENDA

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Wednesday, June 24, 1992

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2:30 pm		Adjourn			

Install RCRA Groundwater Welis

Milestone M-24-00

R. R. Thompson

Waste Operations Program

June 24, 1992

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.**

Install RCRA Groundwater Wells

Milestone M-24-00

Accomplishments (Feb., 1992 to May, 1992)

- Drilled 9, backpulled 7, and made sample ready 5 of the CY 1992 wells.
- Monitoring plans or change notices completed for the 26 defined wells, well sites approved, and sites staked for all .

Install RCRA Groundwater Wells

Milestone M-24-00

Planned Actions (next six months)

- **Proceed with Installation of Wells in Proposed Milestones**
- **Proceed with review of those facilities where shallow monitoring networks are in place.**
- **Establish Interim Milestones for CY 1993**
 - **Technical Review in July**
 - **Essential that milestones be in place by end of September.**

Install RCRA Groundwater Wells

Milestone M-24-00

MILESTONE ASSESSMENT - Schedule

- **LLBG RCRA (10) - (M-24-19) On Schedule**
All 10 drilled and backpulled, and 6 sample ready.
- **Grout (2) - (M-24-20) One well drilled to depth and backpulled, awaiting development.**
Surface casing set to 20 ft. on second well using backhoe.
- **1301-N Crib (2) - (M-24-21) Wells drilled and backpulled; waiting on development.**
- **1324-N Pond (1) - (M-24-22) On Schedule Well site approved and staked.**
- **S-10 Pond and Ditch (1) - On Schedule (M-24-23) Site approved and staked.**
- **B-63 Trench (2) - (M-24-24) Wells drilled and backpulled; waiting on development.**
- **A-29 Ditch (2) - On Schedule (M-24-25) Wells approved and staked.**
- **NRDWL (2) - On Schedule (M-24-26) Wells approved and staked.**
- **B-Pond (2) -On Schedule (M-24-27) Wells approved and staked.**
- **SST's (2) - (M-24-28) Preparing to begin drilling with two rigs.**
- **TBD's (4) - Seeking additional well locations.**

Install RCRA Groundwater Wells

Milestone M-24-00

MILESTONE ASSESSMENT (cont'd)

Well Summary (As of May 29, 1992)

30 Wells Include 4 TBD Wells

	<u>Complete</u>	<u>Remaining</u>	<u>In Progress</u>
Wells Drilled	15	15	0
Wells Backpulled	11	19	2
Wells Sample Ready	6	24	0

Install RCRA Groundwater Wells

Milestone M-24-00

MILESTONE ASSESSMENT (cont'd)

- Technical Scope
 - Drilling started in December 1991
 - Interim Milestones Approved
 - Fifteen of the wells drilled to depth

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	7501	8339	8797	9788
FYTD Cost	950	3379	4003	4773	5419	6097				
Spending Variance *	+ 1279	-381	-88	-37	+ 248	+ 569				

Variance Explanation: Temporary lag in expenditure in April and May.
Budget expected to be close but adequate as program proceeds.

*Spending variance is Budget minus Cost. Underruns are shown Positive.

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-24-91-4	2	M-24-19 thru M-24-26	Establish interim CY 1992 Milestones
Concurrence agreed.			
M-24-91-5, Rev.1	2	M-24-24 & M-24-27 & -28	Adds one well to M-24-24 Establishes additional Milestones for 4 wells
Approved by Hanford Project Managers on March 18, 1992			
M-24-91-6	1	M-24-00 & M-24-30	Establish agreed interim milestones as the 1992 requirement. Up to 4 "TBD" wells identified by Ecology. Milestone to "up to" 50 wells per yr.
Public Review Period Completed; Approval expected in July.			

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**
- **DOE-RL will make presentation to Energy Systems Advisory Board (ESAAB) in July.**
- **Funds expected to be available in January 1993.**

Install RCRA Groundwater Wells

Milestone M-24-00

SPECIAL TOPICS

● AIR ROTARY ODEX DRILLING TEST WELLS

- Three well program finished
- Technical objectives accomplished.
 - Wells drilled to 250+ Foot depth
 - Air lift cuttings contained
 - Construction as groundwater monitoring well completed.
- Cost and Schedule Objectives Met
 - Substantial Cost Savings on test Wells
 - Last test well drilled in a week
- Technical bonuses resulted
 - Easy backpulling in most difficult area on site.
 - Instant recognition of lithology changes
 - Better delineation of top of water when reached
 - Reduced drummed waste

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

MILESTONE M-11-00

Paula Clark

June 24, 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

Accomplishments (Last three months)

- **Awarded construction contract for hot cell and building**
- **Received bids on major equipment (shielding windows and manipulators)**

Planned Actions (Next six months)

- **Issue Notice to Proceed**
 - **Start hot cell fabrication**
 - **Start civil/structural construction**
- **Award contracts on major equipment (windows and manipulators)**

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**
 - **Award Construction Contract June 1992**
 - **Begin Construction July 1992 (pending approval of Toxic Air Pollutants permit)**
 - **Complete Construction December 1993**
- **Complete construction for Hot Cells Expansion June 1993 (Target Milestone M-11-00-T1)**
 - **Target date will slip approximately six months**
 - **Change Request will be provided**
- **Initiate Operations June 1994 (Major Milestone M-11-00)**

MILESTONE ASSESSMENT (cont'd)**Budget vs. Cost (\$ in 000's)**

Fiscal Year to Date	1st Qrt.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Budget	653.1	830.3	928.2	1045.8	1103.2	1165.8	1223.4	1282.1	1342	8579
Cost	657.8	853.6	973.7	1075.8	1133.5	1185.4				
Spending Variance	-4.7	-23.3	-45.5	-30	-30	-19.6				

Variance Explanation:

Overruns due to greater costs than expected to support bid/award process.

MILESTONE ASSESSMENT (cont'd)

Technical Scope

- **No changes in scope**

SPECIAL TOPICS

- **Key interface Project W-001 (222-S Laboratory HVAC and Electrical Upgrade) has \$2.9 million shortfall for construction.**
- **Project W-001 will provide:**
 - **Upgraded HVAC and electrical services for existing facility**
 - **Capacity for W-041H HVAC and power needs**
- **Additional funding has been requested for Project W-001. Need date for funding has been moved from June to August based on special dispensation from DOE to go out for bid ahead of reprogramming.**
 - **All long-lead procurements out for bid by end of June**
 - **Fixed Price construction contract out for bid June 19.**

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

Milestone M-14-00

D. M. Wanek

June 24, 1992

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.

Accomplishments (Last three months)

- **Site preparation contractor completing punch list items.**
- **Fabrication of Laboratory Modules proceeding approximately one month behind schedule no impacts to completion date.**
- **Core/Administration Facility notice to proceed April 1992.**
- **Auxiliary Structures design/construct specification is in review process.**
- **Dispute resolution - held two public meetings.**

Accomplishments (Last three months)

- **WSCF Start-up Strategy Prepared**
 - **Readiness Review**
 - **Staffing/Training**
 - **Procedures**
 - **Schedule**

- **Tracking commercial Laboratory Turnaround Times per one year trial period and reporting results quarterly.**

Accomplishments (Last three months)

(Continued)

- **TPA fine for missing M-14 Milestone included in 1994 five-year budget submittal.**
- **Funds for additional laboratory capacity included in 1994 five-year budget submittal per M-14 dispute resolution.**

Planned Actions (Next six months)

- **Award contract for auxiliary structures July 1992.**
- **Complete Module construction October 1992.**
- **Complete site preparations construction
September 1992.**
- **Hire WSCF Start-Up Manager August 1992.**
- **Continue tracking commercial Laboratories
Turnaround Times per one year trial period.**

Milestone Assessment

BUDGET PERFORMANCE:

THOUSANDS OF \$	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT
BUDGET	95	340	665	2034	2787	3573	5140	6527	7946	9263	10659	13920
COST	113	551	1678	1946	2258	3429	3828	4522				
VARIANCE	-18	-211	-1013	88	529	144	1312	2005				

VARIANCE EXPLANATION: Contract billings delayed planned budget starting February 1992.

Special Topics

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

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Date Prepared: 06/24/92

EPA Region 10 Sample System
Sample Status Report for Operable Unit 2

Sample No.	Station ID	Matrix	Category	Sample Date	Lab Name	EPA Due Date	EPA Actual	Net (+-) Days	DOE Date	DOE Actual	Remarks
* 1	1		CHEM	11/30/91		02/24/92	/ /	0	/ /	/ /	
*	2			/ /		/ /	/ /	0	/ /	/ /	
10	2		HIGHRAD	03/21/91		08/04/91	/ /	0	/ /	/ /	
* 11	2		HIGHRAD	02/22/87		07/08/87	/ /	0	06/02/87	/ /	
* 12	2		CHEM	01/01/67		03/28/67	/ /	0	/ /	/ /	
* 13	2	TESTING THE MAT	HIGHRAD	02/28/87	TESTING LAB NAME #11	07/14/87	08/11/87	28	/ /	/ /	THIS IS A TEST TO SEE HOW LONG T
* 14	2		CHEM	01/01/66		03/28/66	/ /	0	/ /	/ /	
* 15	2		SST	03/30/98		11/01/98	/ /	0	/ /	/ /	
* 16	2		HIGHRAD	04/20/91		09/03/91	/ /	0	/ /	/ /	
* 17	2		LOWRAD	03/21/91		07/10/91	/ /	0	/ /	/ /	
* 2	2	TESTING MATRIX!	LOWRAD	12/25/91	TESTING LAB NAME #12	04/14/92	/ /	0	/ /	/ /	THIS IS THE REMARKS FIELD FOR SA
* 3	2		CHEM	12/20/91	TESTING LAB NAME #12	03/15/92	/ /	0	/ /	/ /	
* 5	2		LOWRAD	01/01/89		04/22/89	/ /	0	/ /	/ /	
* 56	2		SST	01/01/73		08/05/73	/ /	0	/ /	/ /	
* 6	2		SST	01/01/90		08/05/90	/ /	0	/ /	/ /	
* 69	2		CHEM	06/22/60		09/16/60	/ /	0	/ /	/ /	
* 7	2		CHEM	10/10/92		01/04/93	/ /	0	/ /	/ /	
* 77	2		HIGHRAD	01/01/91		05/17/91	/ /	0	/ /	/ /	
* 78	2		CHEM	01/01/88		03/27/88	/ /	0	/ /	/ /	
* 79	2		LOWRAD	01/01/56		04/21/56	/ /	0	/ /	/ /	
* 8	2	TEST	SST	01/01/80	TESTING LAB NAME #11	08/04/80	/ /	0	/ /	/ /	SDFSPFSPDFKSPFKSPDFKSPDOFK
* 8	2		CHEM	01/01/90	TESTING LAB NAME #12	03/28/90	/ /	0	/ /	/ /	
* 80	2		HIGHRAD	01/01/67		05/17/67	/ /	0	04/11/67	/ /	
* 9	2		LOWRAD	02/22/91		06/13/91	/ /	0	/ /	/ /	
* b0999	2	SOIL	CHEM	01/01/92	TESTING LAB NAME #11	03/27/92	/ /	0	02/20/92	/ /	
* j89	2	SOIL	CHEM	01/01/92	TESTING LAB NAME #11	03/27/92	/ /	0	02/20/92	/ /	
* j90	2	SOIL	CHEM	01/01/92	TESTING LAB NAME #11	03/27/92	/ /	0	02/20/92	/ /	
* j91	2	SOIL	CHEM	01/01/92	TESTING LAB NAME #11	03/27/92	/ /	0	02/20/92	/ /	

(*) Denotes Late Samples

NOTE: ALL DATA ON THIS PAGE IS HYPOTHETICAL

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Date Prepared: 06/24/92

EPA Region 10 Sample System

Sample Status Report for Operable Unit 300-FF-5

Sample No.	Station ID	Matrix	Category	Sample Date	Lab Name	EPA Due Date	EPA Actual	Net (+-) Days	DOE Date	DOE Actual	Remarks
B062B4	399-1-5	WATER	LOWRAD	05/20/92	TMA/NORCAL	09/08/92	/ /	0	08/03/92	/ /	
B062B5	399-1-5	WATER	LOWRAD	05/20/92	WESTON	09/08/92	/ /	0	08/03/92	/ /	
B062B6	399-1-5	WATER	LOWRAD	05/20/92	TMA/NORCAL	09/08/92	/ /	0	08/03/92	/ /	
B062B7	399-1-5	WATER	LOWRAD	05/20/92	WESTON	09/08/92	/ /	0	08/03/92	/ /	
B062D3	399-3-3	WATER	LOWRAD	05/13/92	TMA/NORCAL	09/01/92	/ /	0	07/27/92	/ /	
B062D4	399-3-3	WATER	LOWRAD	05/13/92	TMA/NORCAL	09/01/92	/ /	0	07/27/92	/ /	
B062D5	399-3-3	WATER	LOWRAD	05/13/92	WESTON	09/01/92	/ /	0	07/27/92	/ /	
B062F5	399-4-10	WATER	LOWRAD	05/13/92	TMA/NORCAL	09/01/92	/ /	0	07/27/92	/ /	
B062F6	399-4-10	WATER	LOWRAD	05/13/92	TMA/NORCAL	09/01/92	/ /	0	07/27/92	/ /	
B062F7	399-4-10	WATER	LOWRAD	05/13/92	WESTON	09/01/92	/ /	0	07/27/92	/ /	

(*) Denotes Late Samples

Note: Actual data for selected samples

9 2 1 2 6 4 8 1 3 6 7

(ATTACHMENT 4)

Waste Receiving and Processing Module 1

Milestone M-18-00

R. F. GUERCIA

WASTE MANAGEMENT DIVISION

JUNE 24, 1992

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)**

Accomplishments

- o **Initiated Title II Detail Design**
- o **Held several Unit Manager Meetings to present and discuss project details**

Planned Actions

- o **Resolve Tri-Party Agreement Change Request**
- o **Initiate resolution of Ecology comments on the WRAP 1 Dangerous Waste Permit Application (when received)**
- o **Continue Title II Design activities**

Milestone Assessment

o WRAP Lab Support

Reviewing alternative interim lab capacity for Alpha (TRU)

LANL contracted for limited TRU Analysis

Reviewing Hanford Facilities - expanded capacities

LLW samples from WRAP - assume processing at commercial and expanded DOE facilities

FMEF Feasibility Study for WAL issued for review

o Schedule

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

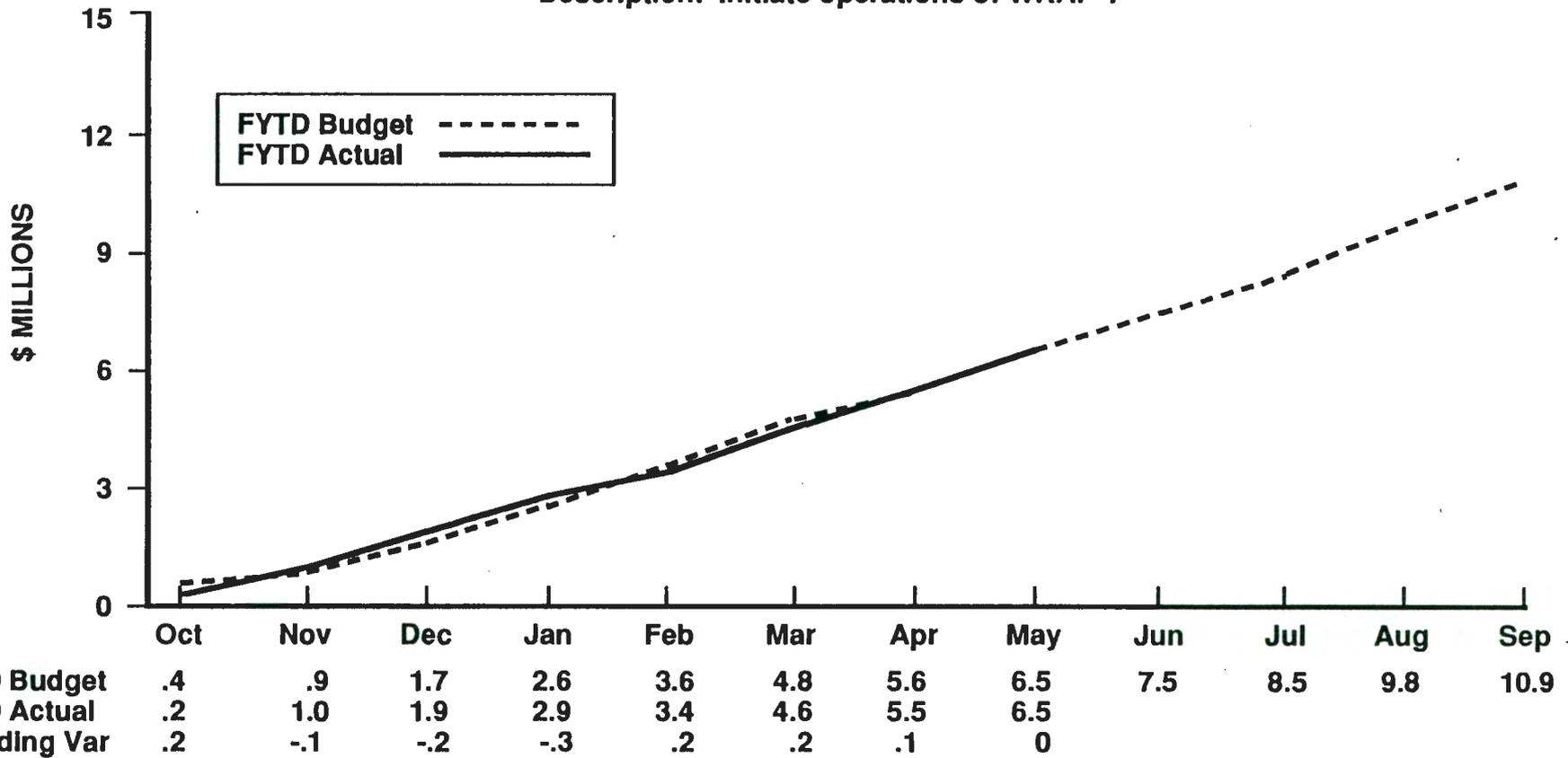
Formal NOD comments have not yet been received from regulators

Delays in permit will cause delays in project construction/start-up (schedule assumes May 1992 permit approval)

MILESTONE M-18

FY 1992

Description: Initiate operations of WRAP 1



Variance Explanation: N/A

Waste Receiving and Processing Module 2

Milestone M-19-00

R. F. GUERCIA

WASTE MANAGEMENT DIVISION

JUNE 24, 1992

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 characterization, treatment, and packaging 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

Proposed WRAP 2A

- o Change Request on modularization of WRAP 2 sent**

Proposed WRAP 2B

Change Request on modularization of WRAP 2 sent

Planned Actions

Proposed WRAP 2A

- o Complete Conceptual Design report and initiate advanced CDR
- o Begin development for Part B Permit application (32 month cycle)
- o Resolve "change request" issues
- o Validate WRAP 2 Project
- o

Proposed WRAP 2B

- Resolve "change request" issues
- Validate WRAP 2 Project
- Continue to resolve uncertainties associated with WIPP waste acceptance criteria

Milestone Assessment

Proposed WRAP 2A

- o **Schedule - on Proposed target - CDR by Sept. 1992**

- o **WRAP 2A is a FY 1994 Line Item**

Proposed WRAP 2B

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

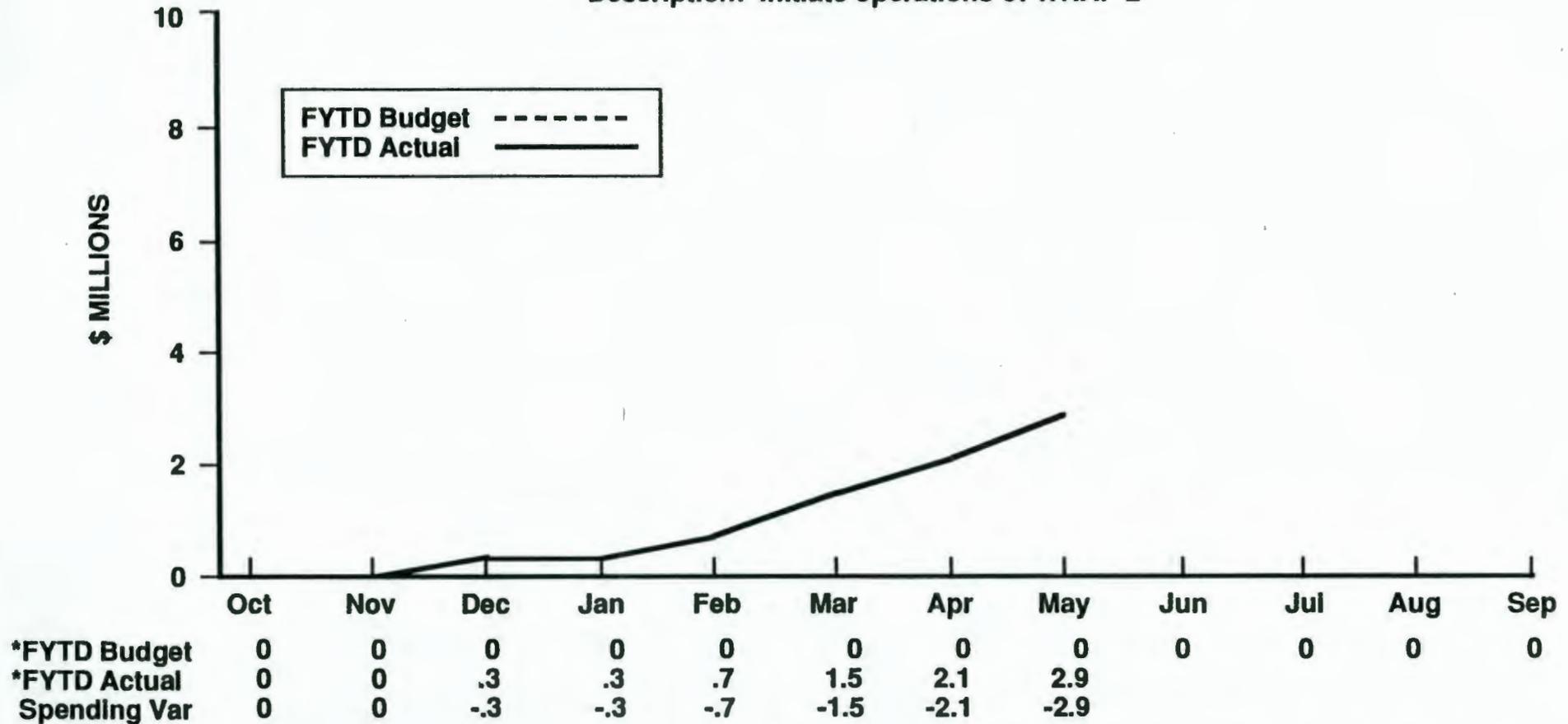
- Issues - WIPP acceptance criteria**

- Earliest WRAP 2B is a FY 1996 Line Item**

MILESTONE M-19

FY 1992

Description: Initiate operations of WRAP 2



Variance Explanation: \$1,700 has been authorized by RL but has not yet been entered as approved budget in FDS. Change request BI-92-010 is in process to provide \$4,300K and BI-92-011 is being developed to provide \$400K for WRAP 2A \$400K for WRAP 2B is yet to be identified.

* Balance of financial figures will be provided in June Report.

INTRODUCTION

- **Present strategy for Solid Waste Projects (i.e. WRAP 2)**
- **Justify TPA Change Request**

WRAP MISSION STATEMENT

The WRAP Projects will provide for the design and construction of the facilities required to perform characterization/processing necessary to prepare and certify Hanford solid wastes for disposal or further processing.

- WRAP 1 will handle CH-TRU drums and SWBs.
- WRAP 2 will handle other solid wastes including:
 - mixed waste
 - RH-TRU
 - large boxes

NEW STRATEGY DEVELOPED

- Examined WRAP 2 process modules
- Evaluated feed for each module
 - Current inventory
 - Waste projections
- Examined programmatic interfaces
 - WIPP
 - WRAP 2 process modules
 - Mixed Waste Disposal

NEW STRATEGY DEVELOPED (Continued)

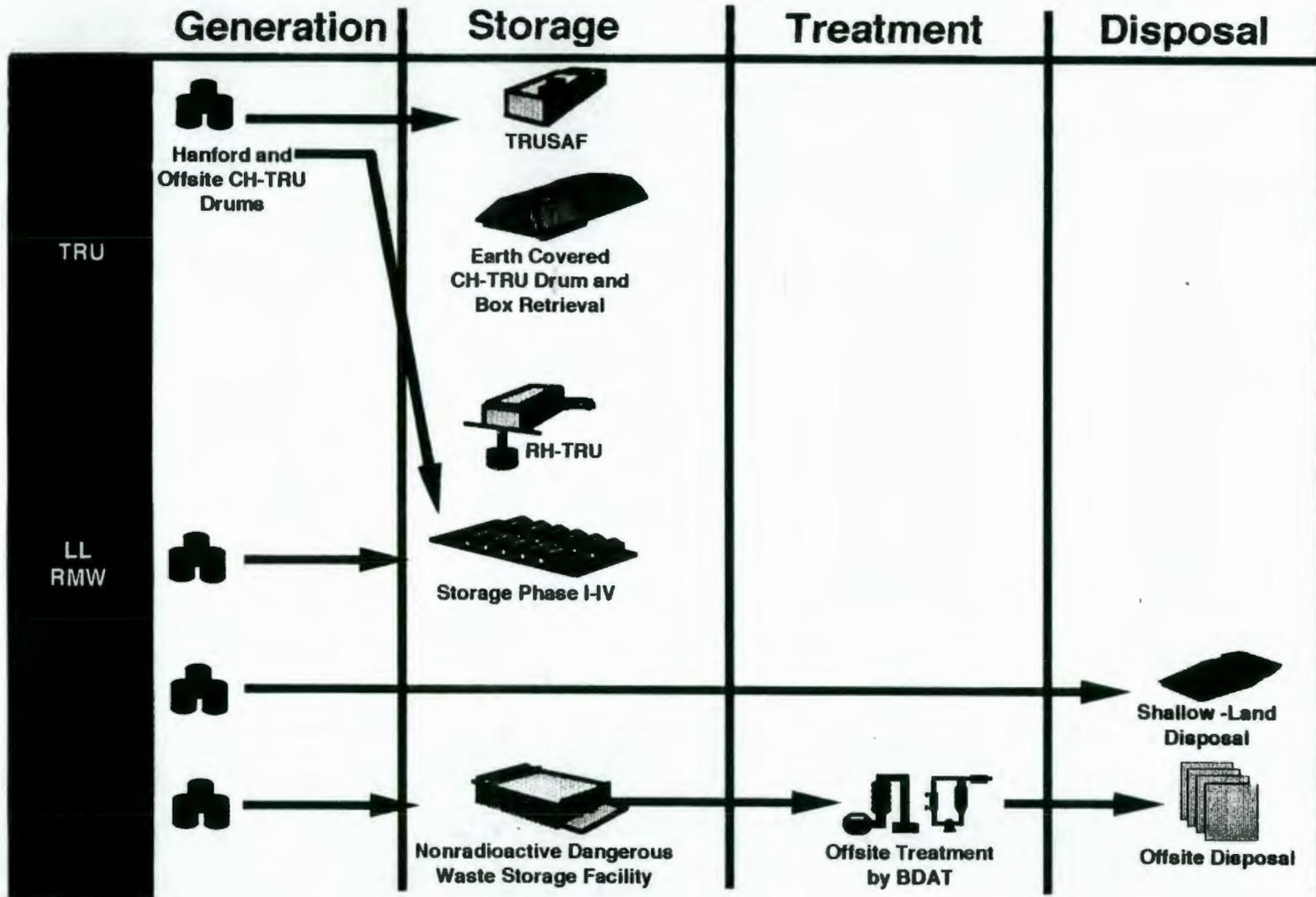
Uncertainties Effecting Solid Waste

1. WIPP Schedule
2. WIPP Waste Acceptance Criteria

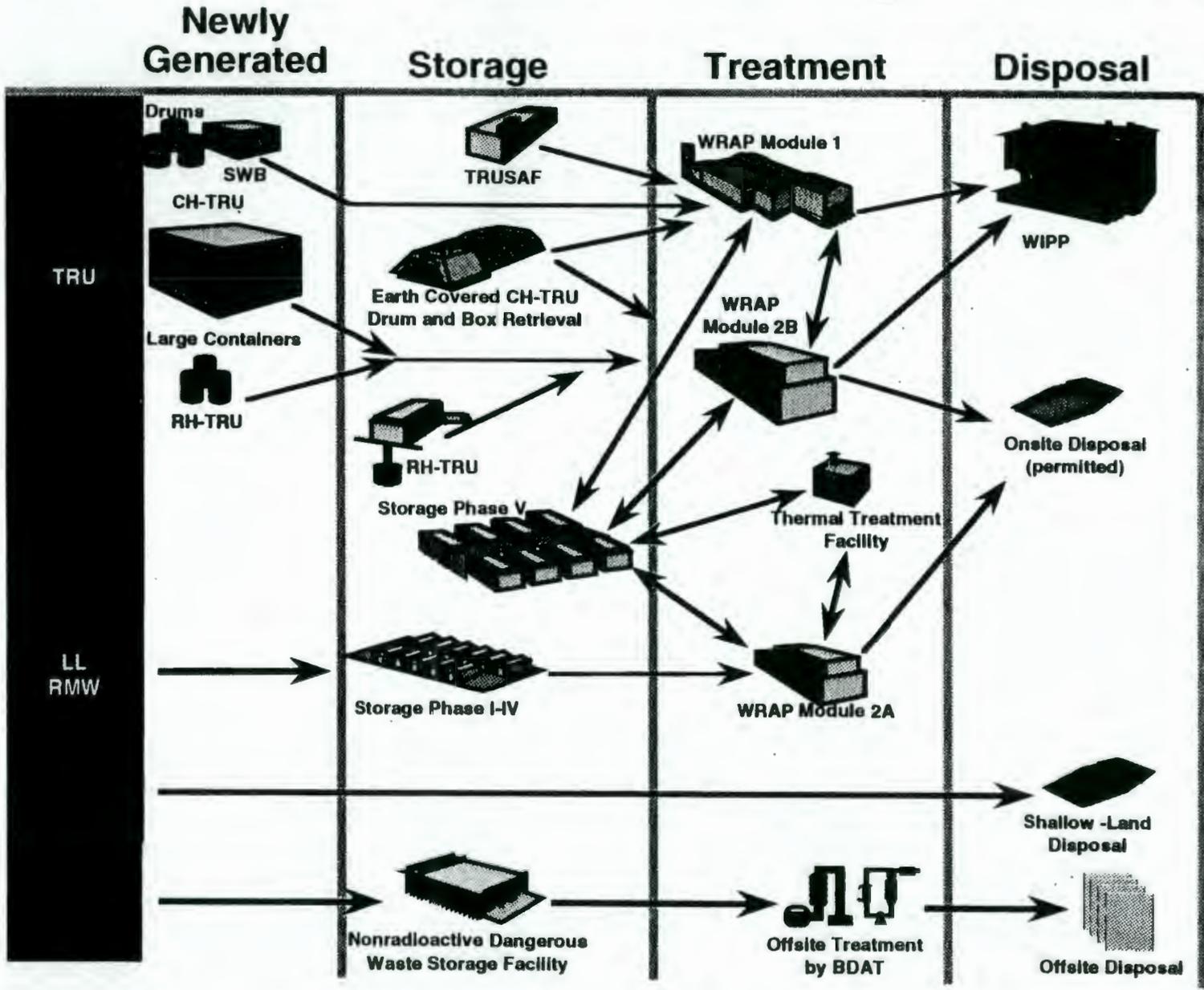
Certainties

1. Increasing mixed waste inventory
2. LDR prohibition against LLMW storage
3. LLMW composition
4. TPA commitments

Hanford Solid Waste Management 1992



Hanford Solid Waste Management 2000



WHC/UE&C/BNFL STUDIES HAVE DEFINED SUBMODULES

Core Modules

- WRAP 2A
 - CH-LLMW treatment

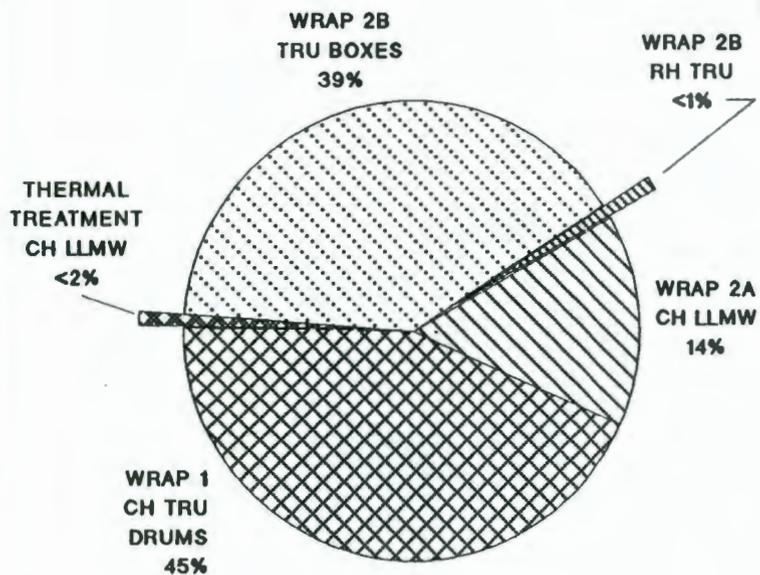
- WRAP 2B
 - Large boxes
 - RH-TRU

TREATMENT STANDARDS FOR LOW LEVEL MIXED WASTE ARE CLEARLY DEFINED

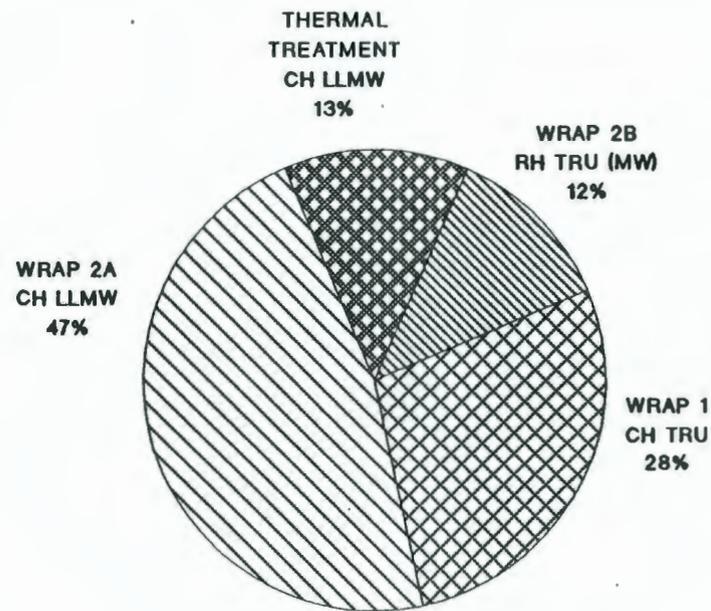
- The applicable standards are:
 - 40 CFR Part 268
 - Washington Administrative Code (WAC) 173-303
 - WHC-EP-0063

HANFORD SOLID WASTES

Current and 30 Year Projection



CURRENT STORED INVENTORY (4/92)



30 YEAR PROJECTION (1992 & BEYOND)

MAJOR MIXED WASTE COMPONENT

Two waste categories make up more than 2/3 of the Hanford mixed waste future inventory

- **183 H Basin Waste (Currently Stored)**
 - **12,000 drums**
 - **Sludges, liner material, sand, etc.**
 - **Hazardous constituents confirmed by lab analysis**
 - **Dominant hazardous constituent is oxidizers/heavy metals**

- **Liquid Effluent Treatment Facilities (LETf) Secondary Solid Waste**
 - **53,000 drums (projected through 2021)**
 - **Sludge material**
 - **Dominant hazardous constituent is Ammonium Sulfate**

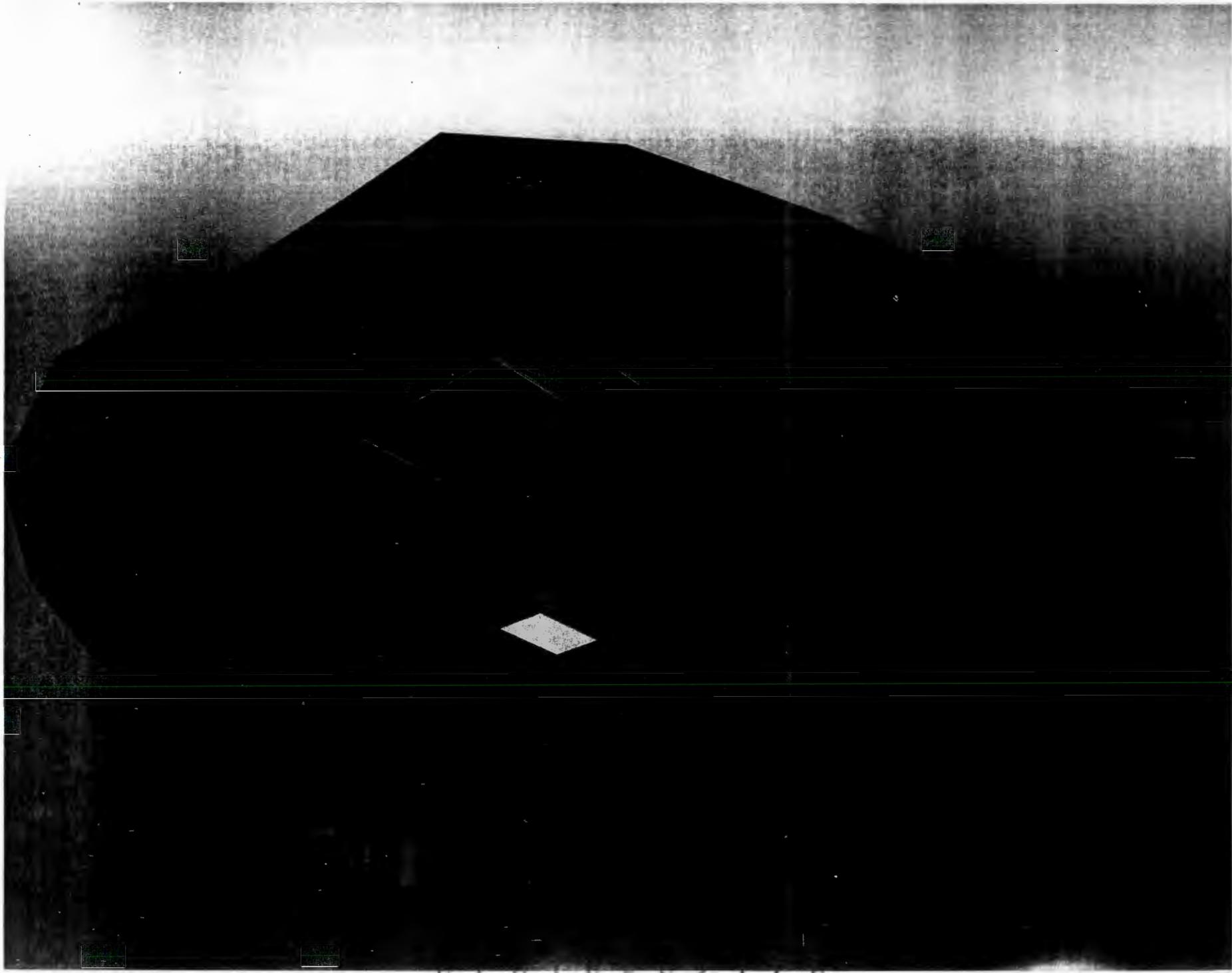
WRAP 2A TECHNICAL SUMMARY

- **Smallest uncertainties of WRAP 2 modules**
 - **Waste characterized (Five Years of Feed on Hand)**
 - **Treatment standards defined**
 - **Mixed waste disposal facility startup planned for Fiscal Year 1994**

- **Provides treatment for LDR waste subject to RCRA storage prohibitions**

WRAP 2A PROJECT SCOPE AND TECHNICAL OBJECTIVES

- **Provide a facility for treatment of solid, low level mixed waste**
- **New 60,000 sq.ft., non-reactor, low hazard facility including:**
 - **receiving**
 - **low level mixed waste treatment area**
 - **support utilities (water, HVAC, computer controls, electrical)**
 - **administration area**



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0 2 1 2 6 4 8 1 3 9 0

PROPOSED WRAP 2B STATUS

- **WIPP uncertainties remain**
- **WIPP/WAC not planned to be finalized until 1995/1996**
- **Strategy Assessment to determine scope of proposed 2B**

Permits and Closure Plans

Milestone M-20-00

C. E. Clark

Environmental Permits

June 24, 1992

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)

● **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 an NOD response table for the Low-Level Burial Grounds Part B Permit Application (04/30/92)
- o Submitted Revision 1 of the 305-B Part B Permit Application (04-03-92) (M-20-08)
- o Submitted Revision 1 of the RD&D Permit Application for the Waste Water Pilot Plant (04-22-91)(M-20-49)

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)

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

● **Unit-Specific Part B's**

- o Submittal of 325 Waste Treatment Part B Permit Application (06-30-92)(M-20-20)
- o Submittal of TRUSAF Part B Permit Application (06-30-92)(M-20-23)
- o Submittal of Grout Part B Permit Application, Revision 2 (07/26/92)
(No TPA Milestone Number)
- o Submittal of 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)
- o Submittal of a TPA Change Request for removal of a Part B Permit Application for the 303-M Oxide Facility (M-20-30)
- o Respond to Part B NODs received from Ecology for the following units:
 - RMW Storage Facility (Submitted: 10/31/91)(M-20-05)
 - Waste Receiving and Processing Facility (Submitted: 10/31/91)(M-20-12)

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)

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)

● 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	6190	6906	7876	10849
FYTD Cost	188	682	1012	1547	1995	3457	4079	4507				
Variance *	+366	+396	+649	+619	+809	+1023	+1416	+972				

* 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.

SPECIAL TOPICS

● **Draft Hanford Facility Permit**

- o **Hanford Site comments on draft hanford facility permit transmitted to Ecology and EPA**
- 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 **Recommendation made to withdraw current draft permit and reissue per provision WAC 173-303-84 (7)**

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**

- o **Approximately four meetings among RL, EPA, and Ecology are planned for July-August time frame to work towards resolving issues**

SPECIAL TOPICS (cont'd)

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

TRI-PARTY AGREEMENT MILESTONE MANAGEMENT REVIEW MEETING
JUNE 24, 1992

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Pierce, RD	WHC	N3-13
Price, SM	WHC	H4-57
Rasmussen JE	RL	A5-15
Roberts, RJ	WHC	N3-13
Thompson, RR	WHC	L4-88
Thompson KM	RL	A5-15
Veneziano TB	WHC	B2-35
Wanek, DM	RL	A7-50
Warren, RN	RL	A5-18
Wisness SH	RL	A5-15
Yerxa JK	RL	A5-15
EDMC	WHC	H4-22

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