

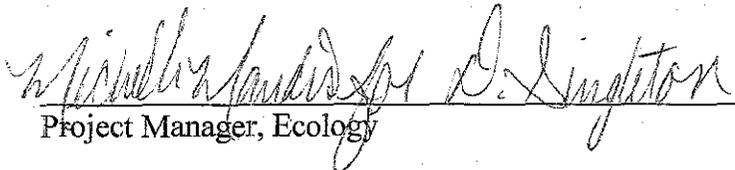
Meeting Minutes Transmittal

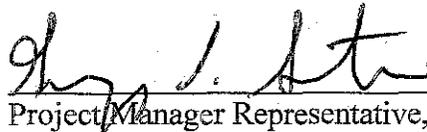
M-91
Joint Project Managers Meeting
825 Jadwin/Room 340
Hanford, Washington
May 30, 2006

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EDMC

The undersigned indicate by their signatures that these meeting minutes reflect the actual occurrences of the above dated Project Managers Meeting. Signatures denote concurrence with content only and are not intended to imply agreement to any commitments.


Project Manager, Ecology Date: 6/22/06


Project Manager Representative, RL Date: 6/22/06


Project Manager Representative, FH Date: 6/22/06

- | | |
|----------------------------|-------|
| M-91 Administrative Record | H6-08 |
| GL Sinton | A6-38 |
| DG Singleton | H0-57 |
| M Mandis | H0-57 |
| KM Quigley | H8-44 |

JOINT PROJECT MANAGERS MEETING

825 Jadwin/Room 340

Hanford, Washington

May 30, 2006

3:00 pm – 4:30 pm

Agenda

- I. M-91
 - A. Approval of April 25, 2006 M-91 PMM Meeting Minutes
 - B. Current Status
 - 1. TPA Milestones Update
 - 2. SAP Implementation Status
 - C. General Discussions
 - D. Status of Actions
 - E. New Action Items

- II. LLBG
 - A. Approval of April 25, 2006 LLBG PMM Meeting Minutes
 - B. Current Status
 - C. Project Specific Issues
 - 1. Permit Status
 - 2. Groundwater Sampling Schedule
 - D. General Discussions
 - E. Status of Actions
 - F. New Action Items

- III. SW-1 & 2
 - A. Approval of April 25, 2006 SW-1 & 2 PMM Meeting Minutes
 - B. Current Status
 - 1. Monthly Highlights
 - 2. TPA Milestones Update
 - C. General Discussions
 - D. Status of Actions
 - E. New Action Items

- IV. Next Joint Project Managers Meeting

M-91 PROJECT MEETING MINUTES
Joint Project Managers Meeting
825 Jadwin/Room 340
Hanford, Washington

May 30, 2006

- I. Approval of April 25, 2006 M-91 PMM Meeting Minutes
- II. Current Status
 - A. TPA Milestones Update
Greg Sinton (DOE) presented the current status of the M-91 milestones (attached).
 - B. SAP Implementation Status
218-W-3A is in the clearance process and should be issued in the next few weeks.
218-W-4B final comment resolutions are expected in the next few weeks. 4B vent riser sampling is planned for this summer.
- III. General Discussions
Ecology expressed their thanks for a visit of the M-91-40 retrieval operations on May 23. Jennie Stults (Ecology) offered to provide the meeting minutes which were developed by Michelle Mandis from the visit to FH for incorporation in the PMM minutes. It was agreed by all parties from the site visit and this PMM that the 218-W-4C Processing Area would be used to stage, sample, assay, designate, etc, the containers retrieved from the 218-W-4B burial ground. The 90 day designation clock for waste coming from 218-W-4B to 218-W-4C processing area would not start until waste was transferred from the 218-W-4C staging area to a permitted compliant TSD.
- IV. Status of Actions
There are no actions to report.
- V. New Action Items
There were no new action items.
- VI. Next Joint Project Managers Meeting
Ecology voiced a desire to discontinue the Joint meetings and return the units to their respective PMM schedules. LLBG and M-91 will return to the WSD PMMs held on the fourth Thursday of the month, and SW-1 and 2 will return to the 200 UMM held on the third Thursdays.

M-91 Status Summary 5/30/06

Milestone	Due Date(s)	Status Summary	Comments
General Comments			1) In this table "On-Schedule" means it is anticipated the milestone will be met.
M-91-00: Major Milestone for acquisition of needed facilities/capabilities for mixed and suspect mixed MLLW, and TRUM and suspect TRUM.	TBD	On Schedule	
M-91-01: Facility/Capability Interim Milestone (RH and/or large container TRUM)	6/30/12	On Schedule	Engineering Study and Functional Design Criteria to be completed by 9/30/06. Briefed Ecology staff on progress of "M-91 capability" design effort 5/12/06.
M-91-03: Submit TRUM/MLLW PMP	12/31/03, 8/06 3/31/09, 3/31/13	On Schedule	M-91-03 PMP approved by Ecology on May 12, 2004. Contingent milestone change package requires PMP update submittal in August 2006 (6 months after Ecology approval of change package) to address plans for processing TRUM. The parties have tentatively agreed to move the date to 9/30/06 to coincide with the submittal of the M-91 FDC report and the M-16-93 Implementation Workplan. A draft change package to make this change is expected to be provided to Ecology for review by June 2.
M-91-05-T01:	12/31/07	On Schedule	Submitted the "Initial Engineering Study and Functions"

Complete RH and or large TRUM retrieval/processing Engineering Study/FDC			document to Ecology 9/30/05. This is the first in a series of activities leading to Conceptual Design and FDC submittal planned for 12/31/07 (Conceptual design FDC will be for entire M-91 facility, not just RH/Large TRUM). The next submittal is scheduled for 9/30/06 (Engineering Study/ FDC)
M-91-12: CH-MLLW Thermal Treatment (600 m ³ cumulative)	11/16/07	On Schedule	As of the end of April, 401 cubic meters of thermal treatment waste had been treated. PEcoS has thermally treated 101 cubic meters (legacy plus new) as of 4/13/06. PEcoS treatment slower than expected so sending more waste to Permafix. Plan to send enough waste to Permafix this FY such that when it is treated M-91-12 will be met.
M-91-12A: CH-MLLW Thermal Treatment (240 m ³)	9/30/05	COMPLETE Met 8-16-05	Completion letter (AMCP-0420) sent to Ecology 9/27/05
M-91-15: RH MLLW and/or Large Size MLLW Treatment	6/30/08	At Risk (Planning to propose a revision to the current scope based on M-91 facility design analysis)	<p>“COMPLETE ACQUISITION OF FACILITIES AND/OR CAPABILITIES AND INITIATE TREATMENT OF RH-MLLW AND CH MLLW IN BOXES AND LARGE CONTAINERS”</p> <ul style="list-style-type: none"> • Initial engineering study that addresses this capability was completed 9/30/05 (See M-91-05-T01) • Planning to submit a change package within the next month proposing revision of this milestone based on initial M-91 facility planning to move the MLLW RH and some MLLW large size capability to the M-91 facility completion date.
M-91-40: Retrieval and designation of CH-RSW (regardless of size)	4700 m ³ cumulative by 12/31/06 and annual retrieval volumes through 2010.	On Schedule Met 2700 level in July 05	<ul style="list-style-type: none"> • A change package to allow concurrent retrieval activities in multiple burial grounds was approved April 28. Briefing/tour held with Ecology staff May 23 to describe plans to start retrieval in additional burial grounds. Planning to start retrieval in W-4B this Fall while continuing with concurrent 4C retrieval. Plan to use the 4C staging area for both 4C and 4B waste.

	Complete retrieval in T-4 by 12/31/06. Plus various other requirements		<ul style="list-style-type: none"> • The January-March quarterly report should be to Ecology within the next few weeks. No sampling was conducted in the quarter so no results are reported. • 218-W-3A SAP: All comments have been resolved. The document is now in the final clearance process for public release and should be issued within the next few weeks. • 218-W-4B SAP: Expect final comment resolutions to be sent to Ecology within the next few weeks. 4B vent riser sampling planned for this summer. • 3627 m³ of RSW retrieved as of 5/4/06. • The Non-TRU fraction of PFP debris from retrieval is being sent to PEcoS for treatment prior to disposal at ERDF. Treatment has been proceeding well. 547 m³ had been sent to PEcoS for treatment and 473 m³ of that had subsequently been disposed of in ERDF through 5/16/06. • The E-12B test dig field work has been completed. Containers found to be in better condition than expected. Containers in direct contact with the soil did not appear to experience an increased rate of corrosion. • Have had some low production periods over Winter and Spring (weather/VOC issue) but expect to recover schedule • On target to complete retrieval in T-4 by 12/31/06
M-91-41: Retrieval and Designation of RH RSW (regardless of size)	See comment column	On Schedule (Planning)	<ul style="list-style-type: none"> • 1/1/11: Initiate retrieval of RH RSW • 12/31/14: Complete non-caisson RH RSW retrieval • 12/31/18: Complete 4B RH RSW retrieval
M-91-42: Treatment of non-large size CH-MLLW and certification of non-large size CH TRUM	Annual treatment requirements through 12/31/09 (MLLW), 12/31/11	On schedule For MLLW treatment, behind schedule for CH TRUM	<ul style="list-style-type: none"> • 4652 m³ of the MLLW subject to this milestone (MLLW-2 and MLLW-04 through MLLW-10 excluding MLLW-7) has been dispositioned as of the end of April. (4890 m³ required by 12/31/06)

	(TRUM)	certification	<ul style="list-style-type: none"> Shipped 1423 cubic meters of M-91-42 TRU/M and had accumulated a backlog of 418 cubic meters of certified but not shipped TRU/M bringing the total certified TRU/M counting toward M-91-42 to 1841 as of 5/18/06. Working to increase certification rate through extra repackaging capabilities at T-Plant. Expect an additional Permacon unit to be available in early June w/ completion of the NLOP sludge treatment.
M-91-43: Designation and treatment of RH and or Large Size MLLW	See Comment Column	On Schedule (Planning to propose a revision to current scope)	<ul style="list-style-type: none"> 12/31/08: Complete designation of RH MLLW and or Large Size MLLW in storage. 6/30/08: Begin RH and or large size MLLW treatment at rate of 300 cubic meters per year Treated 193 m³ of MLLW-07 since 12/31/02. Modifications and clarifications to M-91-43 being proposed in M-91 change package. Investigating PEcoS capability to process containers larger than 10 cubic meters (up to as high as 35 cubic meters)
M-91-44: Designation of Newly Generated and Stored RH and or Large Size Transuranic Waste and Large/RH TRUM certification	See Comment Column	On Schedule (Planning)	<ul style="list-style-type: none"> Designate all RH and large size Transuranic waste in storage by 12/31/12 Contingent milestone for RH and/or large container TRUM
M-91-45: RH and or Large Size Waste Annual Report	9/30/04 and annually thereafter	On Schedule	<ul style="list-style-type: none"> The 2005 report was submitted to Ecology 9/29/05 (Letter AMCP-0421)
M-16-93: Submit implementation workplan for acquisition of capabilities necessary	9/30/2006	On Schedule	<ul style="list-style-type: none"> Draft report in preparation

to prepare TRU/M waste generated by CERCLA clean-up actions at Hanford for disposal at WIPP			
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Fn: M-91 PMM Status table5-30-06

Meeting Minutes for the M-91-40 Retrieval Operations Site Tour (Ecology)

On Tuesday (5/23/06), Ecology (M. Mills and M. Mandis) visited the ongoing M-91-40 Retrieval Operations at the 218-W-4C Low Level Burial Grounds (LLBGs) and planned Retrieval Operations at the 218-W-4B and 218-E-12B LLBGs.

Before the site visit, FHI (K. Quigley, M. Cahill, T. Burrington) and USDOE (G. Sinton) provided a description of the Retrieval Operations including:

1. The recent agreement (modification to M-91-40) allows for waste to be retrieved from multiple burial grounds concurrently.
2. Retrieval is ongoing at 218-W-4C, approximately 1300 drums are left in Trench #4.
3. The pace has recently slowed due to additional sampling for each drum that does not contain a vent clip or hole. Head-gas air samples are collected in Suma canisters and sent to WSCF for analysis.
4. 30 Boxes have recently been removed from Trench #7.
5. Four modules of drums in trench #1 remain. A portion of these modules contain soil from the 216-Z-9 Crib. Hanford personnel are awaiting the approval of the hazardous waste designation for the Z-9 soils stream. Pending approval of this waste stream, retrieval of the drums will commence.
6. It was noted that containers are not specified or counted as retrieved until they are shipped to a TSD. However, once containers are removed from the trenches, they may remain in the 218-W-4C Processing Area until sampled, assayed, or the specific waste stream is WAC designated. Please refer to attachment #1 which illustrates the specific functional areas of the 218-W-4C Process Area.
7. To save time and alleviate costs, FHI will utilize the 218-W-4C Processing Area to stage, sample, assay, designate, etc. the containers retrieved from the 218-W-4B LLBGs. FHI and USDOE would like Ecology's view about this idea. Ecology is to identify concerns for discussion during the Joint PMM (5/30/06).
8. Ecology inquired if additional storage space would be required when 218-W-4B retrieval operations commence. FHI noted that no additional space would be required by using the 218-W-4C process area.
9. Once retrieval operations are finished in 218-W-4B the equipment from the 218-W-4C Processing Area will be moved to support retrieval operations at the 218-W-3A LLBGs.
10. Ecology inquired about the assay process. FHI answered that any container that according to the burial records measures at or below 175 nCi/g requires non-destructive assay. Approximately 70% of these containers usually end-up being classified as low level wastes. Any container that the burial records indicate are above 175 nCi/g are assumed to be TRU and entered into the WIPP process.
11. FHI noted that south of the 218-W-4C Process Area is a gravel pad area (Trench #14) that contain drums that have been segregated due to concerns of flammability as a result of possible VOCs. INEEL and Oak Ridge have

experienced fires, thus, these drums are being further tested for explosive levels of any VOCs or methane that may be present; rather than just hydrogen.

12. Retrieval is scheduled to start 10/06 in the 218-W-4B and 1/07 in the 218-E-12B and continue through 2008.

Ecology then viewed the job trailer, 218-W-4C Process Area, 218-W-4C Trenches #7, #4, and #1, and the south end of the 218-W-4B LLBGs. No removal or processing operations were being conducted. FHI noted where road improvements would be made to access the 218-W-4C Process Area from the 218-W-4B. Due to inclement weather, the site visit was ended and discussions continued in the operations/planning trailer. Further discussions with FHI and USDOE included:

1. The added flexibility that the M-91-40 re-negotiation brought was the ability to remove waste in different burial grounds concurrently. For example, when the wind is above 11 mph, removal operations in 218-W-4C Trench #4 must be stopped to avoid the possible spread of contamination. With the re-negotiations completed, work can continue in other areas where the conditions of the containers are better; rather than ceasing completely.
2. FHI also noted that removal workers have chosen to work in "whites" and respirators in Trench 4 to protect themselves from potential contamination releases due to corroded drums. Since this change, the productivity of removal has increased and the work-force is feeling more confident about their safety.
3. It is estimated that approximately 1000 drums per year (for two years) will be removed and processed (retrieved). These drums are anticipated to be in the "direct buried" configuration within the 218-E-12B LLBGs. An additional 21 workers will be added to the existing crew.
4. Based on the 218-E-12B pilot removal study, the drums appear to be in fairly good shape and not as corroded as some of the drums in the asphalt-tarped configuration. Please refer to pictures in Attachment #2.
5. FHI noted that a mock-up of the 218-W-4B Trench V-7 (drums in a concrete lined trench stacked in a "V" configuration) will be required. Equipment and procedures will be tested on the mock-up before operations are commenced in the field.
6. During the month of 5/06 almost 95% of the drums encountered in the 218-W-4C Trenches require over-packaging into 85-gallon drums. Various methods used in the field include:
 - a. "Slip and Slide" – drums are set sideways rather than vertical and 55 gallon drums are slid into 85-gallon over-packs.
 - b. "Tip and Roll" – An inverted 85-gallon over-pack is placed over a degraded 55 gallon container and then the drums are tipped and the 85 gallon Overpack is uprighted.
 - c. "Crane" – A crane or picker is used to lift the drum or box into a larger over pack container.

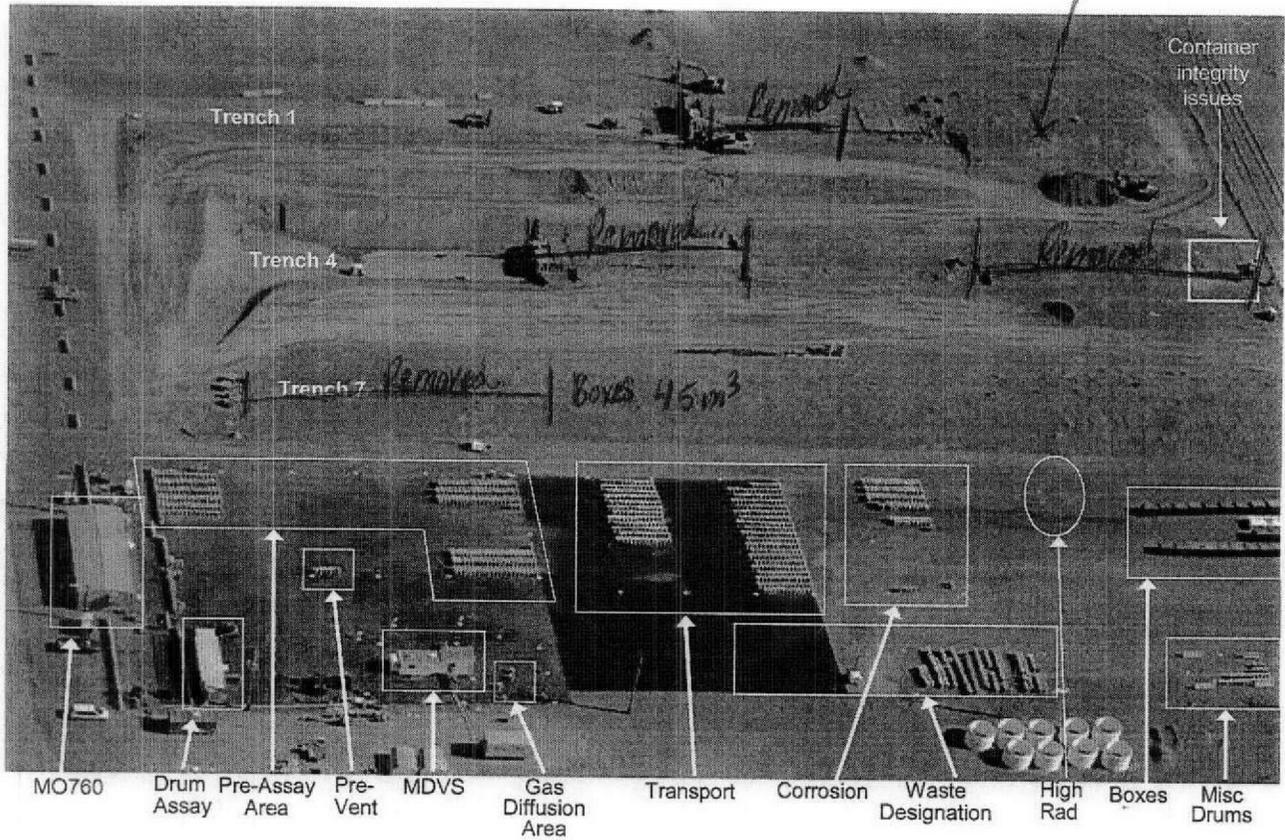
Sometimes a clamshell is used to support the bottom of the drum. It is taped to the drum side and helps prevent the spread of contamination.

Attachment #1
218-W-4C Process Area

5/23/06

Waste Retrieval Project Process Area

218-Z-9
Soil Drums



Attachment #2
218-E-12B Retrieval Pilot Study Photographs

