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**100K PROJECT MANAGERS MEETING MINUTES**  
**September 23, 2010**

DOE/RL

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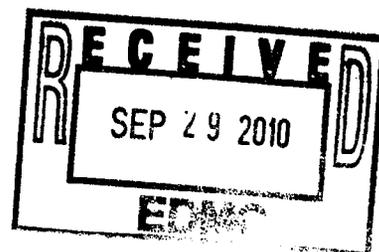
EPA

Rod Lobos B1-46

CHPRC

Reed Kaldor (original) X4-01

Administrative Record (2) H6-08  
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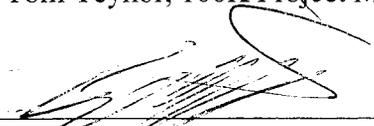


Meeting Minutes Transmittal/Approval  
100K Project Managers Meeting  
September 23, 2010

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APPROVAL:   
Tom Teynor, 100K Project Manager, DOE RL

Date: 9-23-2010

APPROVAL:   
Red Lobos, 100K Project Manager, EPA

Date: 9-23-2010

HFFACO Action Plan Section 4.1 states that agreements and commitments resulting from the Project Managers meetings will be prepared and signed by all parties. Approval of these minutes documents approval of agreements and commitments documented in Attachments 2 and 3 to these minutes. Approvals does not apply to any other attachments. Any other attachments are provided for information purposes.

Minutes of the 100K Project Managers meeting of September 23, 2010 are attached. Minutes are comprised of the following.

- |              |  |
|--------------|--|
| Attachment 1 | Attendance Record  |
| Attachment 2 | Milestone Status Report with Agreements,<br>Commitments and Actions Identified |
| Attachment 3 | Change Request Status with approved changes<br>signed off at meeting           |



## ATTACHMENT 2

# 100K AREA PROJECT MANAGERS MEETING MILESTONE STATUS

**September 23, 2010**

**M-016-140** Submit revised RD/RA Work Plans for 100 K Area RODs as primary document(s) per HFFACO11.6 with new proposed milestones including for the following:

- Complete removal of the K West Basin
- Complete removal of all sludge (includes container, settler tank sludge) from K West Basin except knock out pot contents
- Complete removal of knock out pot contents
- Complete treatment and packaging of first container of TRU sludge waste certifiable for disposal at WIPP
- Complete treatment and packaging of sludge for disposal at WIPP
- Begin 105-KW reactor interim safe storage
- Complete 105-KW reactor interim safe storage
- Initiate soil remediation under KW Basin
- Complete all interim response actions at the 100K Area.

**Due 3/31/11, DOE Lead Roger Quintero**

- RD/RA Work Plans - Preparation of three of the five RD/RA work plans has started (schedule attached).
  - Removal of all Sludge and KOP contents from the K West Basin - Submittal of draft A to EPA is expected by December 30, 2010.
  - Deactivation of the K West Basin - Submittal of draft A to EPA is expected by December 28, 2010.
  - Demolition/Removal of the K West Basin - Submittal of draft A to EPA is expected by January 5, 2011.
  - The 105KW ISS - Activities will continue under the current RD/RAWP (DOE/RL-2005-26, Rev. 1). A new document is not required for this work until a decision is made regarding core removal at 105KW.
  - Treatment and Packaging of Sludge for Disposal at WIPP – Design will not be sufficiently mature by 2011 to support a useful work plan. RL is working with EPA regarding options to complete this work.

All elements of the milestone are on track for completion by March 31, 2011, except for sludge treatment and packaging.

- Removal of Engineered Container (EC) sludge (STP Phase 1)
  - Readiness reviews for sampling settler tank sludge in EC 230 are continuing.
  - Engineering, technology readiness, and related testing are in progress to support completion of Phase 1 preliminary design.

- Treatment and Packaging of EC sludge (STP Phase 2 Technology Evaluation and Alternatives Analysis)
  - Technology Evaluation test plans are in place with 5 commercial vendors and PNNL evaluating 8 different technical approaches. Current schedule for completion of bench scale proof-of-concept testing should be completed by December 2010, with the contractor's Technology Evaluation and Alternatives Analysis completed in June 2011.
    - Ammonium carbonate/peroxide dissolution/oxidation(Energy Solutions – Oak Ridge National Laboratory)
    - Hydrogen attenuation by immobilization with magnesium phosphate low temperature ceramic (Ceradyne Boron Products)
    - Dissolution/oxidation using mineral acid combined with Fenton's Reagent (Ceradyne Boron Products)
    - Size reduction with immersion mill (Ceradyne Boron Products/TMR/Hochmeyer)
    - In Container Vitrification (Impact Services, Inc)
    - Warm Water Oxidation (AREVA Federal Services)
    - Hydrogen generation attenuation utilizing Nitrate addition (STP/PNNL)
    - In Container Vitrification System (Kurion)
- Removal of Knockout Pot (KOP) material
  - Continued preliminary design and testing for KOP material disposition (pretreatment and final processing).
  - The preliminary design report for the final processing was prepared and is undergoing formal design review.
  - KOP pretreatment (size reduction, density and wire separation) is currently planned to start in CY2011, the RD aspects of pretreatment in the RD/RAWP submittal for sludge removal will be at a 90% level to satisfy the informational requirements for a RDR.
  - The MCO proficiency run was completed.
- K West Basin response action activities
  - Sludge vacuuming of the floor and pits is progressing consistent with the June 2010 sludge vacuuming strategy. Vacuuming in the three basin bays has been completed except for an area around the Settler Tanks in the East Bay, and the North Load Out Pit.
  - Debris removal is holding at 610 debris units removed to date.
  - Dose rate measurements on underwater debris are being taken for disposition planning in addition to removing debris.
  - A draft of the *Work Plan for Satisfying the K Basin Interim Remedial Action End Point Criteria*, i.e. the qualified process, is being prepared.

**Schedule Status:** On schedule to meet milestone.

**Agreements, Commitments and Actions:**

**Action:** RL to provide EPA a tour of the 105KW Basin at next opportunity. (Assigned at April 2010 PMM.)

**Status:** Complete. Tour conducted on September 23, 2010.

**Action:** EPA and RL to meet to discuss path forward for sludge treatment and packaging. (Assigned at August 2010 PMM.)

**Status:** Complete. RL and EPA will continue to meet as needed to discuss STP Phase II treatment and packaging.

**M-016-53** Complete the interim response actions for the 100 K Area within the perimeter boundary and to the river for Phase 1 actions. **Due 12/31/2012, DOE Lead Ellen Dagan**

- Continued demolition of 115KE.
- Completed demolition of the above grade portion of the 117KE Exhaust Air Filter building.
- Completed demolition of the 183.3KW Filter Basin.
- Demolition continued on the 183.7KW Pipe Tunnel.
- Excavation and loadout was performed for wastes sites 120-KW-1, 100-K-63, and 1607-K3. A total of 1,403 containers for 28,501 tons of waste were shipped to ERDF during August 2010.
- CHPRC is requesting authorization to proceed with removal of the 105KE Fuel Storage Basin wall and remaining floor.
- Two Remaining Sites Verification Packages (RSVP) for the closure of six waste sites were included in the Administrative Record.
- Planning continued for remediation work on 1706-KE and 1706-KER.

**Schedule Status:** On schedule to meet milestone.

**Agreements, Commitments and Actions:**

**Action:** RL (S. Balone) to schedule meeting with stakeholders to discuss 181KE and KW River Pump House disposition. (Assigned at July 2010 PMM.)

**Status:** Complete. Meeting scheduled for October 2010.

**Action:** RL set up meeting with EPA to discuss path forward on closure of waste sites being remediated. (Assigned at August 2010 PMM.)

**Status:** Complete. A meeting was convened on August 26, 2010.

Document DOE/RL-2010-07, *Interim Status Report for the K Basins Interim Remedial Action: 105-K East Basin Demolition* was provided to EPA.

**M-016-143** Complete the interim response actions for the 100 K Area within the perimeter boundary and to the river for Phase 2 actions. **Due 12/31/2015, DOE Lead Ellen Dagan**

- Continued work planning for deactivation and demolition of 115 KW Gas Recirculation Building.
- Began characterization for deactivation and demolition of 117 KW Exhaust Air Filter Building.
- The RSVP for closure of 100-K-4 was finalized and included in the Administrative Record.
- Excavation and loadout was performed for wastes sites 100-K-102, and 100-K-109. A total of 692 containers for 12,921 tons of waste were shipped to ERDF during August 2010.

**Schedule Status:** On schedule to meet milestone.

**Agreements, Commitments and Actions:**

None.

**M-015-116** DOE will submit to EPA a Treatability Test Plan for hexavalent chromium bioremediation of vadose zone contamination at 100K. **Due 08/30/2010, DOE Steve Balone**

- DRAFT B of the *100-K West Vadose Zone In Situ Bio-Infiltration Treatability Test Plan*, DOE/RL-2010-73 was submitted to EPA on August 27, 2010.
- Waste site remediation continues to be tracked to monitor progress on the schedule. The proposed start of the test is being pushed day-for-day with the extended remediation work being conducted at the Headhouse area.
- Coordination with required utilities (water, electricity, access) is ongoing, but due to the changing physical nature of the site, final plans are tentative.

**Schedule Status:** The milestone is complete.

**Agreements, Commitments and Actions:**

**Action:** RL to establish tentative date for meeting to discuss draft A of test plan with stakeholders. (Assigned at August 2010 PMM.)

**Status:** Complete. The test plan was reviewed with the River and Plateau Committee of the Hanford Advisory Board on September 15, 2010.

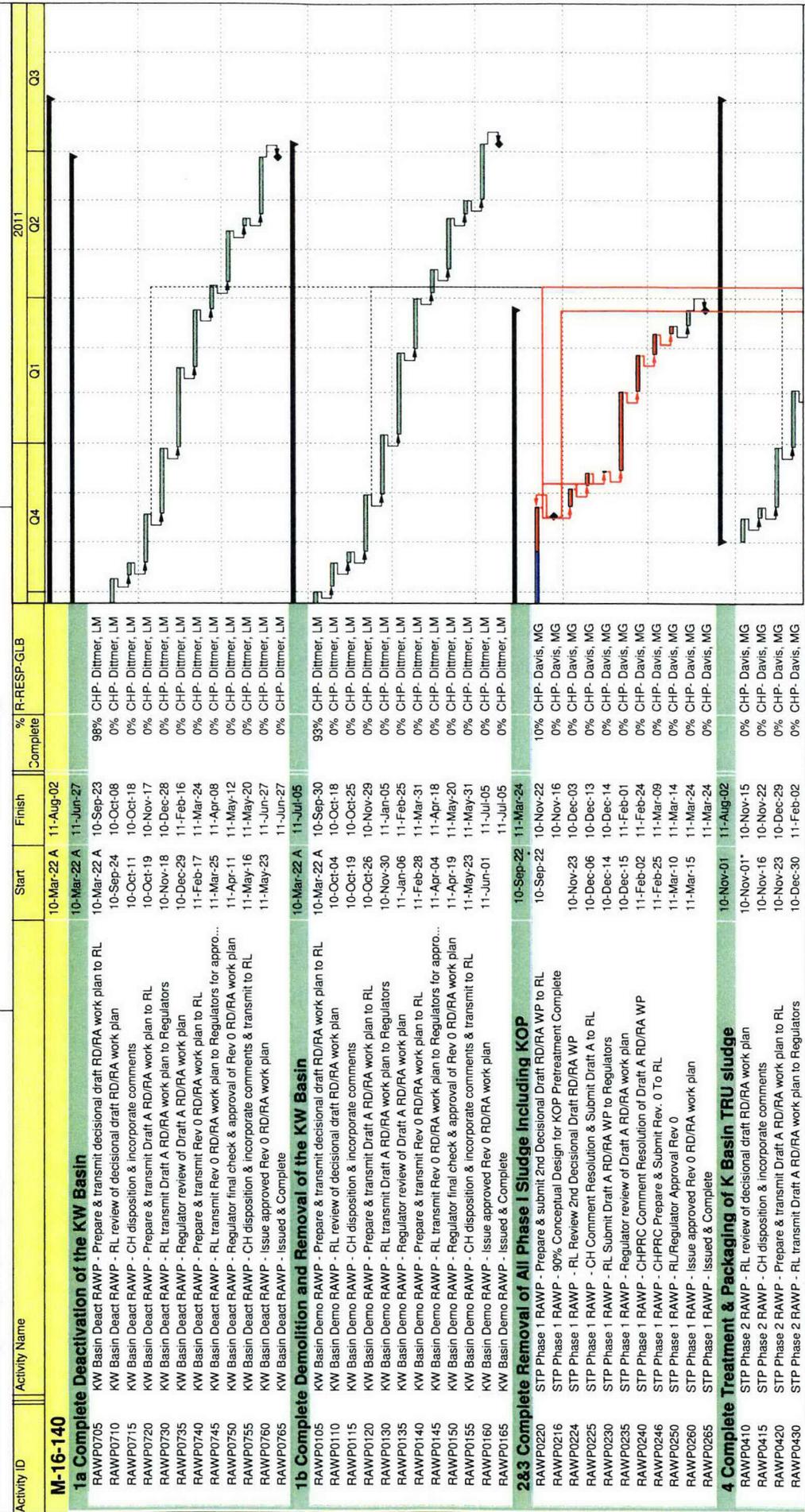
**M-093-22** Complete 105KE Reactor interim safe storage in accordance with remedial design/remedial action work plan. **Due 07/31/2014, DOE Lead Ellen Dagan**

- Obtaining laboratory data on samples from the core borings.
- Characterized access port 4C.
- Completed hazardous material removal activities.
- Completed review of preliminary design documents. Comments are being dispositioned.
- Testing of the planned core removal equipment and approach was performed using mock-up facilities.

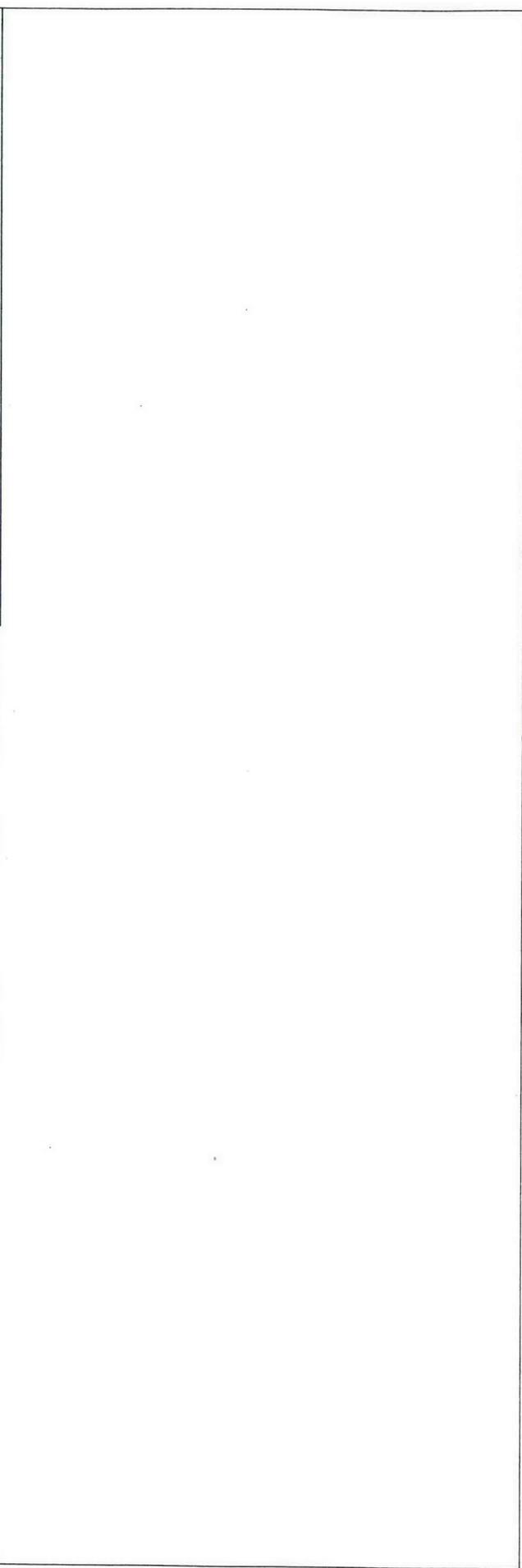
**Schedule Status:** On Schedule.

**Agreements, Commitments and Actions:**

None.



Activity ID	Activity Name	Start	Finish	% Complete	R-RESP-GLB
RAWP0435	STP Phase 2 RAWP - Regulator review of Draft A RD/RA work plan	11-Feb-03	11-Mar-25	0%	CHP- Davis, MG
RAWP0440	STP Phase 2 RAWP - Prepare & transmit Rev 0 RD/RA work plan to RL	11-Mar-28	11-Apr-28	0%	CHP- Davis, MG
RAWP0445	STP Phase 2 RAWP - RL transmit Rev 0 RD/RA work plan to Regulators for approval	11-May-02	11-May-16	0%	CHP- Davis, MG
RAWP0450	STP Phase 2 RAWP - Regulator final check & approval of Rev 0 RD/RA work plan	11-May-17	11-Jun-20	0%	CHP- Davis, MG
RAWP0455	STP Phase 2 RAWP - CH disposition & incorporate comments & transmit to RL	11-Jun-21	11-Jun-28	0%	CHP- Davis, MG
RAWP0460	STP Phase 2 RAWP - Issue approved Rev 0 RD/RA work plan	11-Jun-29	11-Aug-02	0%	CHP- Davis, MG
RAWP0465	STP Phase 2 RAWP - Issue & Complete	11-Jun-29	11-Aug-02	0%	CHP- Davis, MG
<b>7 Complete all Interim Response Actions at the 100K Area - Infrastru...</b>					
RAWP0905	Prepare & Transmit Draft Integrated FES to RL	10-Aug-23	11-Mar-31	17%	CHP- Dittmer, LM
RAWP0975	Submit TPA change package to RL	10-Aug-23	11-Jan-25	0%	CHP- Dittmer, LM
RAWP0910	RL review of draft FES	10-Sep-20	10-Oct-19	0%	CHP- Dittmer, LM
RAWP0915	CH Disposition & Incorporate Comments	11-Jan-26	11-Feb-09	0%	CHP- Dittmer, LM
RAWP0925	Transmit Integrated 100K Area FES to RL	11-Feb-10	11-Feb-17	0%	CHP- Dittmer, LM
RAWP0930	RL Transmit Integrated 100K Area FES to Regulators	11-Feb-22	11-Mar-01	0%	CHP- Dittmer, LM
TPA-M-16-140	TPA M-16-140 Submit Draft A RD/RA Work Plans for M-016-140 Milestone by Mar 31...	11-Mar-02	11-Mar-31	0%	CHP- Dittmer, LM



# ATTACHMENT 3 100K AREA PROJECT MANAGERS' MEETING CHANGE NOTICE STATUS

September 23, 2010

**TPA-CN-380** - Modifies DOE/RL-2007-48, Rev. 0, *Remedial Design Report and Remedial Action Work Plan for the 100 Area Remaining Sites Interim Remedial Action: 105 K East Basin Demolition* by including information regarding removal of the 105 KE Basin discharge chute in order to reduce radiation levels. The change also updates the ambient air monitoring description, as it was out of date with the recently approved 100 K air monitoring description implemented through TPA-CN-318.

**Status:** Change notice has been approved by RL and EPA.

**Discussion Points and Agreements:**

None.