

**DISTRIBUTION**  
**100K PROJECT MANAGERS MEETING MINUTES**  
**August 19, 2010**

DOE/RL

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EPA

Rod Lobos

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CHPRC

Reed Kaldor (original)

X4-01

Administrative Record (2)

H6-08

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Meeting Minutes Transmittal/Approval  
100K Project Managers Meeting  
August 19, 2010

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APPROVAL: Robert A. Juntunen / for  
Tom Teynor, 100K Project Manager, DOE RL

Date: 8/19/10

APPROVAL: [Signature]  
Rod Lobos, 100K Project Manager, EPA

Date: 8-19-2010

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.

**RECEIVED**  
AUG 25 2010  
EDMC

Minutes of the 100K Project Managers meeting of August 19, 2010 are attached. Minutes are comprised of the following.

Attachment 1

Attendance Record

Attachment 2

Milestone Status Report with Agreements,  
Commitments and Actions Identified

Attachment 3

Change Request Status with approved changes  
signed off at meeting



## ATTACHMENT 2

# 100K AREA PROJECT MANAGERS MEETING MILESTONE STATUS

**August 19, 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, draft is in development and is on schedule for submittal of draft A to EPA by November 3, 2010.
  - Deactivation of the K West Basin is in comment resolution from internal review and will be provided to RL for review by the end of August.
  - Demolition/Removal of the K West Basin is being drafted.
  - The path forward for the remaining two work plans is being discussed between RL and EPA.
    - 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 will request a meeting with EPA to discuss options to complete this work.

The milestone is on track for completion by March 31, 2011.

- Removal of Engineered Container (EC) sludge (STP Phase 1)
  - Readiness reviews for sampling settler tank sludge in EC 230 have started.
  - Engineering, technology readiness, and related testing are in progress to support completion of Phase 1 preliminary design of the systems to remove sludge in the ECs by June 2011.
- 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 all be completed by November 2010, with the contractor's Technology Evaluation and Alternatives Analysis completed in May 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).
  - Expected completion date for the preliminary design report is September 2010.
  - Expected start date for pretreatment (size reduction, density and wire separation) is early 2011.
  - Planning for MCO proficiency run by September 2010.
- K West Basin response action activities
  - Sludge vacuuming of the floor and pits of the basin is progressing. The East Bay has been completed except for an area around the Settler Tanks and work is currently proceeding in the Center Bay.
  - Debris removal, 610 debris units have been removed to date.
  - Dose rate measurements on underwater debris are being taken for disposition planning in addition to removing debris.
  - Comments were received from EPA on a draft of Revision 2 to the K Basin End Point Criteria document. An update to the document addressing EPAs comments is being prepared.
  - A draft of the *Work Plan for Satisfying the K Basin Interim Remedial Action End Point Criteria*, i.e. the qualified process, has been 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:** To be scheduled.

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

**Agreement:** EPA and RL agree on end point criteria document HNF-20632, Rev. 2.

**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**

- Completed asbestos abatement activities in 115KE and started demolition.
- Demolished the 116KE Stack.
- Started demolition of the 117KE Exhaust Air Filter building.
- Asbestos abatement waste bags have been removed from the 1706KE and 1706KER substructures.
- Demolition continued on the 183.3KW Filter Basin.
- Demolition continued on the 183.7KW Pipe Tunnel.
- Excavation and loadout was performed for wastes sites 100-K-63, 1607-K3, 100-K-47, 100-K-56, 100-K-68, 100-K-71, 100-K-102, 116-KE-3 and four RTD (120-KW-1, 120-KW-2, 100-K-34, 100-K-18) and six CSNA (120-KW-3, 120-KW-4, 120-KW-5, 120-KW-7, 100-K-79, 100-K-97) sites near 183.1KW. A total of 1,000 containers for 18,763 tons of waste were shipped to ERDF during July 2010.
- CHPRC is requesting authorization to proceed with removal of the 105KE Fuel Storage Basin wall and remaining floor.
- Continuing closure documentation on six sites. RL and EPA comments have been incorporated in two Remaining Sites Verification Packages (RSVP) for the closure of the six waste sites. These two RSVPs are scheduled to be received by RL in late August.
- Planning was started 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:** To be scheduled.

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

**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
- RL and EPA comments were incorporated into the RSVP for closure of 100-K-4. The final RSVP being approved within CHPRC and is scheduled for receipt by RL in early August 2010.

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

**Agreements, Commitments and Actions:**

None.
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**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**

- RL and EPA comments on the draft treatability test plan are being incorporated. DRAFT A of the *100-K West Vadose Zone In Situ Bio-Infiltration Treatability Test Plan*, DOE/RL-2010-73, is being prepared for DOE approval and public release. DOE and EPA are working to coordinate reviews with stakeholders to expedite the review process.
- 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:** On schedule to meet milestone.

**Agreements, Commitments and Actions:**

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

- Completed four core borings.
- Obtaining laboratory data on samples from the core borings
- Pursued access port characterization
- Continued hazardous material removal activities.
- Preliminary design documents are being reviewed and comments provided to the design contractor.
- Removed two overhead bridge cranes and the counterweights for the C elevator using explosive demolition techniques

**Schedule Status:** On Schedule.

**Agreements, Commitments and Actions:**

<b>Action:</b> RL (E. Dagan) will provide revision 1 of the EECA for review. (Assigned at July 2010 PMM.)
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<b>Status:</b> Complete. EE/CA provided to EPA.
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Activity ID	Activity Name	Start	Finish	% Complete	R-RESP-GLB	2011			
						Q4	Q1	Q2	Q3
<b>M-16-140</b>		22-Mar-10 A	02-Aug-11						
<b>1a Complete Deactivation of the KW Basin</b>		22-Mar-10 A	24-May-11						
RAWP0705	KW Basin Deact RAWP - Prepare & transmit decisional draft RD/RA work plan to RL	22-Mar-10 A	23-Aug-10	90%	CHP- Dittmer, LM				
RAWP0710	KW Basin Deact RAWP - RL review of decisional draft RD/RA work plan	24-Aug-10	08-Sep-10	0%	CHP- Dittmer, LM				
RAWP0715	KW Basin Deact RAWP - CH disposition & incorporate comments	09-Sep-10	15-Sep-10	0%	CHP- Dittmer, LM				
RAWP0720	KW Basin Deact RAWP - Prepare & transmit Draft A RD/RA work plan to RL	16-Sep-10	18-Oct-10	0%	CHP- Dittmer, LM				
RAWP0730	KW Basin Deact RAWP - RL transmit Draft A RD/RA work plan to Regulators	19-Oct-10	19-Nov-10	0%	CHP- Dittmer, LM				
RAWP0735	KW Basin Deact RAWP - Regulator review of Draft A RD/RA work plan	22-Nov-10	17-Jan-11	0%	CHP- Dittmer, LM				
RAWP0740	KW Basin Deact RAWP - Prepare & transmit Rev 0 RD/RA work plan to RL	18-Jan-11	22-Feb-11	0%	CHP- Dittmer, LM				
RAWP0745	KW Basin Deact RAWP - RL transmit Rev 0 RD/RA work plan to Regulators for appro...	23-Feb-11	09-Mar-11	0%	CHP- Dittmer, LM				
RAWP0750	KW Basin Deact RAWP - Regulator final check & approval of Rev 0 RD/RA work plan	10-Mar-11	12-Apr-11	0%	CHP- Dittmer, LM				
RAWP0755	KW Basin Deact RAWP - CH disposition & incorporate comments & transmit to RL	13-Apr-11	20-Apr-11	0%	CHP- Dittmer, LM				
RAWP0760	KW Basin Deact RAWP - Issue approved Rev 0 RD/RA work plan	21-Apr-11	24-May-11	0%	CHP- Dittmer, LM				
RAWP0765	KW Basin Deact RAWP - Issued & Complete		24-May-11	0%	CHP- Dittmer, LM				
<b>1b Complete Demolition and Removal of the KW Basin</b>		22-Mar-10 A	16-Jun-11						
RAWP0105	KW Basin Demo RAWP - Prepare & transmit decisional draft RD/RA work plan to RL	22-Mar-10 A	14-Sep-10	50%	CHP- Dittmer, LM				
RAWP0110	KW Basin Demo RAWP - RL review of decisional draft RD/RA work plan	15-Sep-10	29-Sep-10	0%	CHP- Dittmer, LM				
RAWP0115	KW Basin Demo RAWP - CH disposition & incorporate comments	30-Sep-10	07-Oct-10	0%	CHP- Dittmer, LM				
RAWP0120	KW Basin Demo RAWP - Prepare & transmit Draft A RD/RA work plan to RL	08-Oct-10	08-Nov-10	0%	CHP- Dittmer, LM				
RAWP0130	KW Basin Demo RAWP - RL transmit Draft A RD/RA work plan to Regulators	09-Nov-10	15-Dec-10	0%	CHP- Dittmer, LM				
RAWP0135	KW Basin Demo RAWP - Regulator review of Draft A RD/RA work plan	16-Dec-10	08-Feb-11	0%	CHP- Dittmer, LM				
RAWP0140	KW Basin Demo RAWP - Prepare & transmit Rev 0 RD/RA work plan to RL	09-Feb-11	15-Mar-11	0%	CHP- Dittmer, LM				
RAWP0145	KW Basin Demo RAWP - RL transmit Rev 0 RD/RA work plan to Regulators for appro...	16-Mar-11	30-Mar-11	0%	CHP- Dittmer, LM				
RAWP0150	KW Basin Demo RAWP - Regulator final check & approval of Rev 0 RD/RA work plan	31-Mar-11	04-May-11	0%	CHP- Dittmer, LM				
RAWP0155	KW Basin Demo RAWP - CH disposition & incorporate comments & transmit to RL	05-May-11	11-May-11	0%	CHP- Dittmer, LM				
RAWP0160	KW Basin Demo RAWP - Issue approved Rev 0 RD/RA work plan	12-May-11	16-Jun-11	0%	CHP- Dittmer, LM				
RAWP0165	KW Basin Demo RAWP - Issued & Complete		16-Jun-11	0%	CHP- Dittmer, LM				
<b>2&amp;3 Complete Removal of All Phase I Sludge Including KOP</b>		05-Aug-10	11-Feb-11						
RAWP0210	STP Phase 1 RAWP - RL review of decisional draft RD/RA work plan	05-Aug-10	30-Aug-10	25%	CHP- Dittmer, LM				
RAWP0215	STP Phase 1 RAWP - CH disposition & incorporate comments	31-Aug-10	15-Sep-10	0%	CHP- Dittmer, LM				
RAWP0220	STP Phase 1 RAWP - Prepare & submit 2nd Decisional Draft RD/RA WP to RL	16-Sep-10	24-Sep-10	0%	CHP- Dittmer, LM				
RAWP0216	STP Phase 1 RAWP - 90% Conceptual Design Complete		16-Sep-10	0%	CHP- Dittmer, LM				
RAWP0224	STP Phase 1 RAWP - RL Review 2nd Decisional Draft RD/RA WP	27-Sep-10	08-Oct-10	0%	CHP- Dittmer, LM				
RAWP0225	STP Phase 1 RAWP - CH Comment Resolution	11-Oct-10	18-Oct-10	0%	CHP- Dittmer, LM				
RAWP0226	STP Phase 1 RAWP - CH Submit Draft A RD/RA WP to RL	19-Oct-10	25-Oct-10	0%	CHP- Dittmer, LM				
RAWP0230	STP Phase 1 RAWP - RL Submit Draft A RD/RA WP to Regulators	26-Oct-10	02-Nov-10	0%	CHP- Dittmer, LM				
RAWP0235	STP Phase 1 RAWP - Regulator review of Draft A RD/RA work plan	03-Nov-10	20-Dec-10	0%	CHP- Dittmer, LM				
RAWP0240	STP Phase 1 RAWP - CHPRC Comment Resolution of Draft A RD/RA WP	21-Dec-10	14-Jan-11	0%	CHP- Dittmer, LM				
RAWP0246	STP Phase 1 RAWP - CHPRC Prepare & Submit Rev. 0 To RL	17-Jan-11	27-Jan-11	0%	CHP- Dittmer, LM				
RAWP0250	STP Phase 1 RAWP - RL/Regulator Approval Rev 0	28-Jan-11	01-Feb-11	0%	CHP- Dittmer, LM				
RAWP0260	STP Phase 1 RAWP - Issue approved Rev 0 RD/RA work plan	02-Feb-11	11-Feb-11	0%	CHP- Dittmer, LM				
RAWP0265	STP Phase 1 RAWP - Issued & Complete		11-Feb-11	0%	CHP- Dittmer, LM				

█ Actual Work   
 █ Critical Remaining Work   
 ▬ Summary  
█ Remaining Work   
 ◆ Milestone

Activity ID	Activity Name	Start	Finish	% Complete	R-RESP-GLB	2011			
						Q4	Q1	Q2	Q3
<b>4 Complete Treatment &amp; Packaging of K Basin TRU sludge</b>									
RAWP0410	STP Phase 2 RAWP - RL review of decisional draft RD/RA work plan	01-Nov-10*	15-Nov-10	0%	CHP- Dittmer, LM				
RAWP0415	STP Phase 2 RAWP - CH disposition & incorporate comments	16-Nov-10	22-Nov-10	0%	CHP- Dittmer, LM				
RAWP0420	STP Phase 2 RAWP - Prepare & transmit Draft A RD/RA work plan to RL	23-Nov-10	29-Dec-10	0%	CHP- Dittmer, LM				
RAWP0430	STP Phase 2 RAWP - RL transmit Draft A RD/RA work plan to Regulators	30-Dec-10	02-Feb-11	0%	CHP- Dittmer, LM				
RAWP0435	STP Phase 2 RAWP - Regulator review of Draft A RD/RA work plan	03-Feb-11	25-Mar-11	0%	CHP- Dittmer, LM				
RAWP0440	STP Phase 2 RAWP - Prepare & transmit Rev 0 RD/RA work plan to RL	28-Mar-11	28-Apr-11	0%	CHP- Dittmer, LM				
RAWP0445	STP Phase 2 RAWP - RL transmit Rev 0 RD/RA work plan to Regulators for approval	02-May-11	16-May-11	0%	CHP- Dittmer, LM				
RAWP0450	STP Phase 2 RAWP - Regulator final check & approval of Rev 0 RD/RA work plan	17-May-11	20-Jun-11	0%	CHP- Dittmer, LM				
RAWP0455	STP Phase 2 RAWP - CH disposition & incorporate comments & transmit to RL	21-Jun-11	28-Jun-11	0%	CHP- Dittmer, LM				
RAWP0460	STP Phase 2 RAWP - Issue approved Rev 0 RD/RA work plan	29-Jun-11	02-Aug-11	0%	CHP- Dittmer, LM				
RAWP0465	STP Phase 2 RAWP - Issued & Complete	02-Aug-11*		0%	CHP- Dittmer, LM				
<b>7 Complete all Interim Response Actions at the 100K Area - Infrast...</b>									
RAWP0970	Complete Integrated Field Execution Schedule	16-Aug-10	17-Jan-11	0%	CHP- Dittmer, LM				
RAWP0905	Prepare & Transmit Draft Integrated FES to RL	18-Jan-11	25-Jan-11	0%	CHP- Dittmer, LM				
RAWP0975	Submit TPA change package to RL	18-Jan-11	16-Feb-11	0%	CHP- Dittmer, LM				
RAWP0910	RL review of draft FES	26-Jan-11	09-Feb-11	0%	CHP- Dittmer, LM				
RAWP0915	CH Disposition & Incorporate Comments	10-Feb-11	17-Feb-11	0%	CHP- Dittmer, LM				
RAWP0925	Transmit Integrated 100K Area FES to RL	22-Feb-11	01-Mar-11	0%	CHP- Dittmer, LM				
RAWP0930	RL Transmit Integrated 100K Area FES to Regulators	02-Mar-11	31-Mar-11	0%	CHP- Dittmer, LM				
TPA-M-16-1	TPA M-16-140 Submit Draft A RD/RA Work Plans for M-016-140 Milestone by Mar 31...		31-Mar-11*	0%	CHP- Dittmer, LM				

█ Actual Work   
 █ Critical Remaining Work   
 ▾ Summary  
█ Remaining Work   
 ◆ Milestone

## EPA Deliverables

Project / Driver	Document Type	Document Number	Document Title	EPA Review Date	Priority
M-16-140 Milestone	RD/RAWP	DOE/RL-2010-63	STP Phase I - 105-KW Basin Sludge and KOP Contents Removal	3-Nov-10	
M-16-140 Milestone	RD/RAWP	DOE/RL-2010-52	105-KW Basin Deactivation	22-Nov-10	
M-16-140 Milestone	RD/RAWP	DOE/RL-2010-XX	105-KW Basin Demolition	16-Dec-10	
M-16-140 Milestone	RD/RAWP	DOE/RL-2010-XX	STP Phase 2 - Treatment and Packaging of K Basins TRU Sludge	3-Feb-11	
KW Basin Sludge Removal		CHPRC-00908	105-K West Basin Work Plan for Satisfying K Basin Interim Remedial Action End Point Criteria	3-Sep-10	
KW Basin Sludge Removal		HNF-20632	End Point Criteria for the K Basins Interim Remedial Action	18-Aug-10	
KE Reactor	EE/CA		Engineering Evaluation / Cost Analysis for 105-KE Reactor Decommissioning	6-Aug-10	
KE Reactor	AM		Action Memorandum for 105-KE Reactor Decommissioning		
KE Reactor	RD/RAWP		Remedial Design / Remedial Action Work Plan for 105-KE Reactor Decommissioning		
	SAP	DOE/RL-2010-XX	Sampling and Analysis Plan for 105-KW Basin Deactivation		

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

**August 19, 2010**

There are no change notices to address at this time.