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100K PROJECT MANAGERS' MEETING MINUTES,
August 13, 2009

DOE/RL

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EPA

Rod Lobos

B1-46

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Reed Kaldor (original)

X4-01

Administrative Record (2)

H6-08

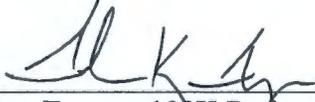
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Meeting Minutes Transmittal/Approval
100K Project Managers Meeting
August 13, 2009

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

Date: 8-13-2009

APPROVAL: 
Red Lobos, 100K Project Manager, EPA

Date: 8-13-09

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 August 13, 2009 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

(Reflects TPA Change Requests M-16-08-07, M-16-08-09, M-34-08-03 and M-93-08-01)

August 13, 2009

M-016-52 Initiate response actions for the remaining wastsites for the 100 K Area including closure of the 1706-KE waste treatment system in accordance with Section 5.5 of the Agreement Action Plan. **Due 7/31/09, DOE Lead Ellen Dagan**

- 1706-KE waste treatment system removed and shipped for disposal on July 9, 2009
- RL to provided EPA 1706KE/KER/KEL D4 schedule.

Schedule Status: Milestone is completed. Formal notice of completion has been sent to RL from CHPRC. (Reference May 6, 2009, 100K Area Project Managers Meeting minutes.)

Agreements, Commitments and Actions:

RL to meet with EPA and Ecology to address comments on closure plan.

M-016-160 Complete removal of the K East Basin structure. **Due 9/30/09, DOE Lead Ellen Dagan**

- Continuing Phase 4 lower sub-structure demolition

Schedule Statue: Estimated completion date is August 28, 2009.

Agreements, Commitments and Actions:

No comments.

M-016-57 Initiate soil remediation at K East basin. Initiate full scale remedial action of the 105-KE fuel storage basin site within one month of completing milestone M-016-160. **Due 10/31/09, Contractor Date 09/30/09, DOE Lead Ellen Dagan**

- Design is complete and planning activities are in progress (approximately 95% complete).
- Dry-runs and training are scheduled for mid August with schedules set to immediately follow D-4 completion.
- RL comments were received on the final hazard classification were incorporated and returned for approval. Approval is expected in mid August.
- 100K Air Monitoring Plan ready for approval.

Schedule Status: On schedule to meet milestone.

Agreements, Commitments and Actions:

100K Air Monitoring Plan approved by RL and EPA.
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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

- DOE External Review team has issued its conclusions on the STP Alternatives Analysis Report (HNF-39744) and concurs with a two phase approach with recommendations. Direction to the project is currently being formulated.
- Conceptual design for Phase 1 (container sludge and settler sludge removal) continues.
- Two sludge removal concepts are being developed (i.e., use of Sludge Transfer Storage Container and existing transfer casks used for the Large Diameter Containers in the earlier KE sludge removal campaign, and use of small containers that would be loaded under water and placed into the Fuel Transfer Cask that was used to transfer SNF from

KE Basin to KW Basin). A value engineering session is planned to aid in deciding which concept to advance into preliminary design.

- Analysis of sludge from Containers 220, 240, 250, and 260 at PNNL is in progress.
- A report for the in-basin Phase 3 inspection of the KOP sludge stream has been issued.
- Preparations for the Phase 4 inspections of the KOP sludge stream are continuing.
- Data from Phase 3 inspections are being used in bonded water analyses that will be used to determine the number of MCOs needed for KOP sludge loadout.
- Procurement actions for purchasing additional MCOs is in initial stages.
- Preparations for a DOE Technology Readiness Assessment in early October on critical technology elements for the removal of sludge are in progress.
- Testing continues at MASF in support of demonstrating systems and components for retrieving and removing sludge.

Schedule Status: On schedule to meet proposed milestone.

Agreements, Commitments and Actions:

No comments.

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**

- Continuing planning efforts to begin remedial action work in August 2009.
- Continuing preparation of confirmatory sample instructions for the No Action sites.

Schedule Status: On schedule to meet proposed milestone.

Agreements, Commitments and Actions:

No comments.

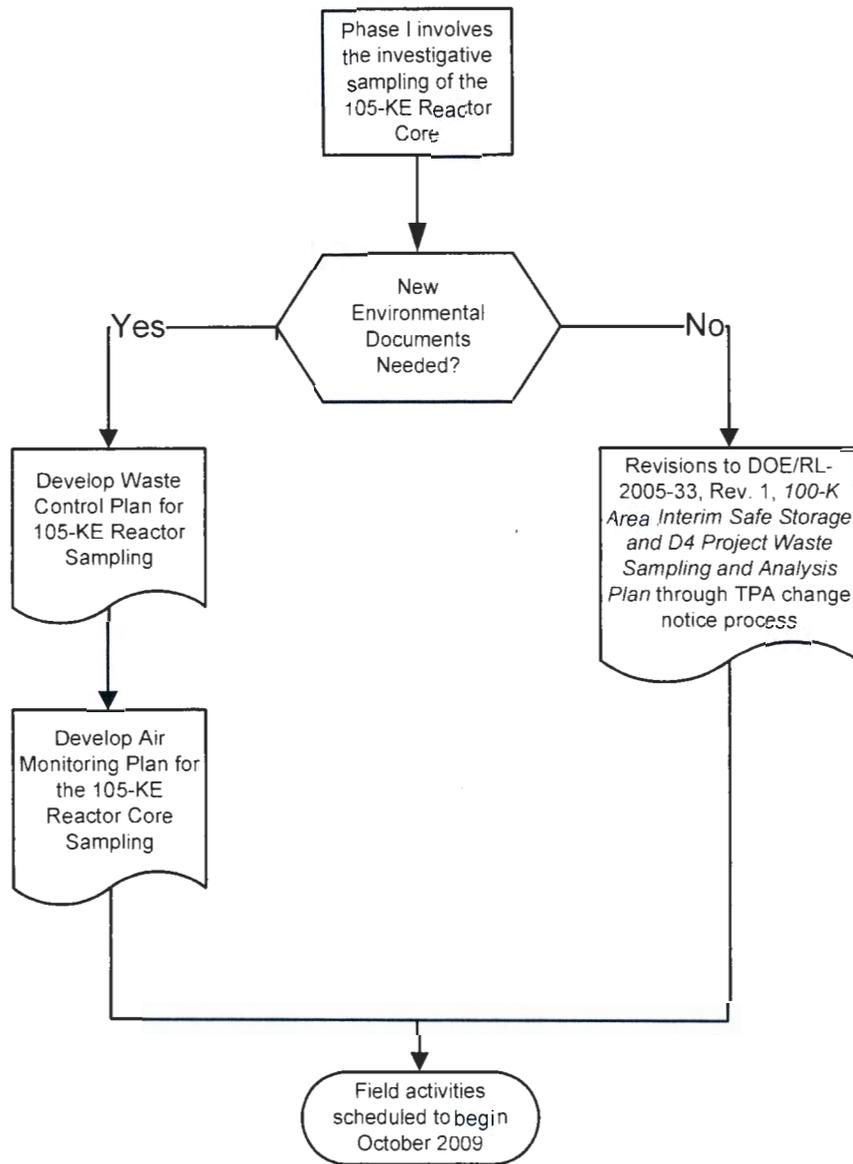
M-093-22 Complete 105KE Reactor interim safe storage in accordance with remedial design/remedial action work plan. **Due 07/31/2014, DOE Lead Ellen Dagan**

- Contractor submitted baseline. CHPRC comments provided and are being incorporated.
- Conceptual design progressing. Thirty percent design review scheduled for week of August 10, 2009.
- Regulatory strategy development continues. Facility hazard analysis being prepared. Safety basis strategy reviewed with RL.
- Met with EPA to discuss KE reactor disposition regulatory strategy.

Schedule Status: Proposed change in work scope to reactor core removal will require re-evaluation of the milestone.

Agreements, Commitments and Actions:

Provide regulatory flow chart (attached) to EPA in pdf format.



Phase 2 involves the demolition of the 105-KE Reactor

Existing Environmental Documents include:

- *Engineering Evaluation/Cost Analysis for the 105-KE and 105-KW Reactor Facilities and Ancillary Facilities*, DOE/RL-2005-86 (EE/CA)
- *Action Memorandum for the Non-Time-Critical Removal Action for the 105-KE and 105-KW Reactor Facilities and Ancillary Facilities* (AM)
- *Removal Action Work Plan for the 105-KE/105-KW Reactor Facilities and Ancillary Facilities*, DOE/RL-2005-26, Rev. 1 (RAWP)
- *100-K Area Interim Safe Storage and D4 Project Waste Sampling and Analysis Plan*, DOE/RL-2005-33, Rev. 1 (SAP)

EE/CA

AM

RAWP

SAP

EE/CA included evaluation of the demolition of the reactor in the alternatives, but contemplated delay of demolition until 2060.

AM Addendum will be developed and sent out for 30-day public comment

RAWP will be revised to include the Reactor Core demolition plan and additional air emission and waste management requirements.

Analytical information was already gathered through the Phase 1 investigation.

No revision of the EE/CA is required due to schedule adjustment.

Concerning National Remedy Review Board: September 25, 2002 agreement states that the review criteria does not apply to the decommissioning of facilities.

National Remedy Review Board evaluation is not required

Changes to the RAWP will be made following the TPA change notice process.

No further revision of the SAP is required.

Field activities scheduled to begin February 2010

ATTACHMENT 3

100K AREA PROJECT MANAGERS' MEETING

CHANGE REQUEST STATUS

August 13, 2009

TPA-CN-242 Adds text to DOE/RL-96-17, Rev. 5, *Remedial Design Report/Remedial Action Work Plan for the 100 Area* regarding phased work for the 100-K Area

Status: Change notice prepared and provided to RL and EPA. The change notice will be addressed after approval of the change forms associated with the Tentative Agreement on modifications regarding accelerated groundwater and soils milestones/FY 2009 funding/waste management/K Basins and other issue solutions.

Discussion Points and Agreements:

Change notice was approved by RL and EPA.

TPA-CN-245 Adds three facilities and text to DOE/RL-2005-26, Rev. 1, *Removal Action Work Plan for 105-KE/105-KW Reactor Facilities and Ancillary Facilities* regarding phased work for the 100-K Area

Status: Change notice prepared and submitted to RL and EPA. The change notice will be addressed after approval of the change forms associated with the Tentative Agreement on modifications regarding accelerated groundwater and soils milestones/FY 2009 funding/waste management/K Basins and other issue solutions.

Discussion Points and Agreements:

Change notice was approved by RL and EPA.



**Change Notice for Modifying Approved Documents/ Workplans
In Accordance with the Tri-Party Agreement Action Plan,
Section 9.0, Documentation and Records
TPA-CN-242**

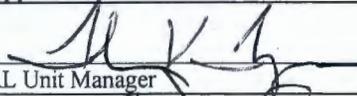
Change Number	Document Submitted Under Tri-Party Agreement Milestone	Date:
TPA-CN-242	N/A	April 4, 2009
Document Number and Title: DOE/RL-96-17, Rev. 5, Remedial Design Report/Remedial Action Work Plan for the 100 Area		Date Document Last Issued: February 2005
Originator: Rod Lobos, EPA		Phone: 509-376-9884
Description of Change: Adds text to the RD/RA Work Plan regarding phased work for the 100-K Area		
<p>This change modifies an approved work plan/document and will be processed in accordance with the Tri-Party Agreement Action Plan, Section 9.0, <i>Documentation and Records</i>, and not Chapter 12.0, <i>Changes to the Agreement</i>. The following text is added to the end of Section 3.2.2 in DOE/RL-96-17, Rev. 5.</p> <p>A 100-K Area perimeter boundary has been identified to segregate waste sites and structures that require coordination and detailed integration with the Sludge Treatment Project to safely and effectively complete remediation. In many cases, these waste sites and structures are in proximity to the still active KW Fuel Storage Basin or to facilities needed to keep the KW Basin operational. The perimeter boundary (with some exceptions on the east-side) generally coincides with the outer-most perimeter fences around the 100-K Area (encompassing the reactors and facilities) and the area between the northern perimeter fence and the Columbia River. The perimeter boundary was chosen to exclude the waste sites (118-K-2, 100-K-2, 100-K-78, 126-K-1, 128-K-2, and 600-29) that do not require integration with the Sludge Treatment Project for completion.</p> <p>Remaining work at the 100-K Area is performed in three phases and will be completed on the dates provided below.</p> <p>Phase 1 (12/31/2012) will encompass the following waste sites.</p> <p>100-K-3, 100-K-6, 100-K-18, 100-K-19, 100-K-34, 100-K-36, 100-K-37, 100-K-38, 100-K-46, 100-K-53, 100-K-57, 100-K-62, 100-K-63, 100-K-64, , 100-K-77, 100-K-68, 100-K-69, 100-K-70, 100-K-71, 100-K-79, 116-K-3, 116-KE-1, 116-KE-2, 116-KE-6A, 116-KE-6B, 116-KE-6C, 116-KE-6D, 118-KE-2, 130-KE-1, 132-KE-1, 120-KW-1, 120-KW-2, 120-KW-3, 120-KW-4, 120-KW-5, 120-KW-7, 1607-K3, 100-K-55*, 100-K-56*.</p> <p>Phase 2 (12/31/2015) will encompass the following waste sites.</p> <p>100-K-1, 100-K-4, 100-K-5, 100-K-13, 100-K-14, 100-K-25, 100-K-27, 100-K-48, 100-K-49, 100-K-54, 100-K-61, 100-K-72, 100-K-73, 100-K-74, 116-KW-1, 116-KW-2, 118-KW-2, 120-KE-1, 120-KE-2, 120-KE-3, 120-KE-4, 120-KE-5, 120-KE-6, 120-KE-8, 120-KE-9, 120-KW-6, 126-KE-2, 130-K-2, 130-KE-2, 130-KW-1, 130-KW-2, 132-KW-1, 1607-K1, 1607-K2, 1607-K4, 1607-K5, 1607-K6, 100-K-55*, 100-K-56*.</p> <p>Phase 3 (to be determined) will encompass the following waste sites.</p> <p>100-K-60, 118-KW-1, 100-K-35, 100-K-66, 100-K-67, 116-KE-3, 128-K-2, 100-K-43, 100-K-75, 100-K-47, 100-K-80, 100-K-81, 100-K-82, 100-K-83, 100-K-55*, 100-K-56*.</p> <p>* Partial unit. Waste sites that span into multiple-phase areas (e.g., pipelines) may be executed in each phase.</p> <p>NOTE: Provided for information only.</p> <p>Interim closed-out waste sites, therefore no further action required.</p> <p>100-K-32, 100-K-33, 116-KE-4, 116-KE-5, 116-KW-3, 116-KW-4, 100-K-29, 100-K-30, 100-K-31, 128-K-1.</p> <p>Waste sites rejected/not accepted in WIDS, therefore no further action required.</p> <p>100-K-9, 100-K-10, 100-K-15, 100-K-16, 100-K-20, 100-K-21, 100-K-24, 100-K-39, 100-K-44, 100-K-52, 100-K-8, 100-K-11, 100-K-12, 100-K-22, 100-K-23, 100-K-28, 100-K-51, 100-K-59, 100-K-76, 126-KE-3, 130-K-3, 100-K-7, 130-K-1, 100-K-58.</p> <p>Facilities are addressed in TPA-CN-245.</p>		



Change Notice for Modifying Approved Documents/ Workplans
In Accordance with the Tri-Party Agreement Action Plan,
Section 9.0, Documentation and Records
TPA-CN-242

Justification and Impacts of Change: This change notice supports the 100 K Area negotiations and implements scope established in change package M-16-08-09.

Approvals:

 _____ RL Unit Manager	8-13-09 Date	<input checked="" type="checkbox"/> Approved	<input type="checkbox"/> Disapproved
 _____ EPA Unit Manager	8-13-09 Date	<input checked="" type="checkbox"/> Approved	<input type="checkbox"/> Disapproved
N/A _____ Ecology Unit Manager	_____ Date	<input type="checkbox"/> Approved	<input type="checkbox"/> Disapproved



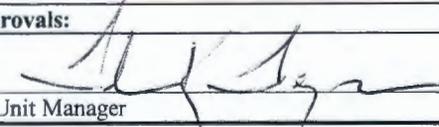
**Change Notice for Modifying Approved Documents/ Workplans
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Section 9.0, *Documentation and Records*
TPA-CN-242**

Here are the reasons for moving the four sites.

- 100-K-66 165-KW Power Control Building. Move to Phase 3.
 - The 165-KW Power control building supplies power to the 105 KW reactor and storage basin. This power is required to support safe storage and treatment preparation for the sludge stored in the KW basin. This power infrastructure will be required until the sludge is removed from the basin or an alternate power distribution for KW is implemented.
- 116-K-3 1904-K Outfall Structure, 1908-K Outfall Structure. Move to Phase 3.
 - The 1904-K and 1908-K Outfall Structures are part of the water utilities for the 105 KW reactor and storage basin. This water utility is required to support safe storage and treatment preparation for the sludge stored in the KW basin. This water infrastructure will be required until the sludge is removed from the basin or an alternate water distribution for KW is implemented.
- 100-K-81 Contamination Area West of 116-K-3 (Outfall Structures). Move to Phase 3.
 - The 100-K-81 Contamination Area west of 116-K-3 lies between the intake and outfall structures being removed in phase 3. This area will be most efficiently excavated during the remediation of the other two structures and therefore best sequenced with the intake and outfall structures.
- 100-K-83 1904-K Spillway, 116-K-3, 1904-K Outfall Structure. Move to Phase 3.
 - The 100-K-83 1904-K Spillway, 116-K-3, 1904 Outfall Structure are part of the water utilities for the 105 KW reactor and storage basin. This water utility is required to support safe storage and treatment preparation for the sludge stored in the KW basin. This water infrastructure will be required until the sludge is removed from the basin or an alternate water distribution for KW is implemented.

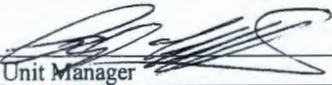


**Change Notice for Modifying Approved Documents/ Workplans
In Accordance with the Tri-Party Agreement Action Plan,
Section 9.0, Documentation and Records
TPA-CN-245**

Change Number	Document Submitted Under Tri-Party Agreement Milestone	Date:	
TPA-CN-245	N/A	March 27, 2009	
Document Number and Title: DOE/RL-2005-26, Rev. 1, <i>Removal Action Work Plan for 105-KE/105-KW Reactor Facilities and Ancillary Facilities</i>		Date Document Last Issued: February 2007	
Originator: Larry Gadbois, EPA		Phone: 509-376-9884	
Description of Change: Adds text to the Removal Action Work Plan regarding phased work for the 100-K Area			
This change modifies an approved work plan/document and will be processed in accordance with the Tri-Party Agreement Action Plan, Section 9.0, <i>Documentation and Records</i> , and not Chapter 12.0, <i>Changes to the Agreement</i> .			
The following text will be added to Section 1.1, Purpose and Objective of the Removal Action Work Plan, in conjunction with Table 1-3, Tri-Party Agreement Milestones for the 100-K Area ISS and D4 Removal Action			
A 100-K Area perimeter boundary has been identified to segregate waste sites and structures that require coordination and detailed integration with the Sludge Treatment Project to safely and effectively complete remediation. In many cases, these waste sites and structures are in proximity to the still active KW Fuel Storage Basin or to facilities needed to keep the KW Basin operational. The perimeter boundary (with some exceptions on the east-side) generally coincides with the outer-most perimeter fences around the 100-K Area (encompassing the reactors and facilities) and the area between the northern perimeter fence and the Columbia River. The perimeter boundary was chosen to exclude the waste sites (118-K-2, 100-K-2, 100-K-78, 126-K-1, 128-K-2, and 600-29) that do not require integration with the Sludge Treatment Project for completion.			
Remaining work at the 100-K Area is performed in three phases and will be completed on the dates provided below.			
Phase 1 (12/31/2012) will encompass the following facilities.			
110KE, 115KE, 116KE, 117KE, 118KE, 119KE, 1706KE, 1706KEL, 1706KER, 1713KE, 1714KE, 183-4KW, 183.1KW, 181KW, 183-2KW, 183-3KW, MO048, MO060, MO872, MO873, MO969.			
Phase 2 (12/31/2015) will encompass the following facilities.			
115KW, 116KW, 117KW, 118KW, 119KW, 166AKE, 166KE, 166KW, 1705KE, 1713KER, 1713KW, 1714KW, 1720K, 1724KB, 182K, 183.5KW, 183.6KW, MO101, MO102, MO214, MO382, MO401, MO402, MO442, MO506, MO507, MO907, MO917, MO928.			
Phase 3 (to be determined) will encompass the following facilities.			
105KW, 142K, 1506K1, 165KE, 142KA, 165KW, 167K, 1717K, 1724K, 1724KA, 181KE, 183KE, 183-2KE, 183-3KE, 183-4KE, 183.1KE, 183.5KE, 183.6KE, 185K, 1908K, 1908KE, 190KE, 190KW, MO054, MO500, MO236, MO237, MO323, MO955.			
Note: Waste sites are addressed in TPA-CN-242.			
Justification and Impacts of Change: This change notice supports the 100 K Area negotiations and implements scope established in change package M-16-08-09.			
Approvals:			
 _____ RL Unit Manager		8-13-09 Date	<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved



**Change Notice for Modifying Approved Documents/ Workplans
In Accordance with the Tri-Party Agreement Action Plan,
Section 9.0, Documentation and Records
TPA-CN-245**

 EPA Unit Manager	<u>8-13-09</u> Date	<input checked="" type="checkbox"/> Approved	<input type="checkbox"/> Disapproved
<u>N/A</u> Ecology Unit Manager	 Date	<input type="checkbox"/> Approved	<input type="checkbox"/> Disapproved