

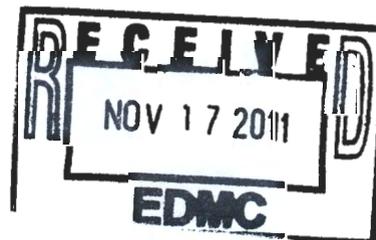
DISTRIBUTION
100K PROJECT MANAGERS MEETING MINUTES
November 10, 2011

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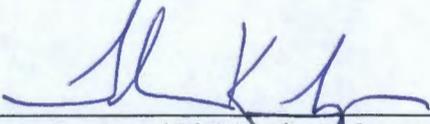
EPA
Rod Lobos B1-46

CHPRC
Dottie Norman (original) T1-41

Administrative Record (2) H6-08
Correspondence Control A3-01



Meeting Minutes Transmittal/Approval
100K Project Managers Meeting
November 10, 2011

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

Date: November 10, 2011

APPROVAL: 
Rod Lobos, 100K Project Manager, EPA

Date: 11-10-2011

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 do not apply to any other attachments. Any other attachments are provided for information purposes.



Minutes of the 100K Project Managers meeting of November 10, 2011 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 | 100K Area PMM Response Action Agreements |
| Attachment 4 | 100-K Removal Action Status |
| Attachment 5 | 100-K Waste Sites Status |
| Attachment 6 | TPA-CN-412, DOE/RL-96-17, Rev. 6, Remedial Design Report/Remedial Action Work Plan for the 100 Area |
| Attachment 7 | Email from Tom Teynor to Rod Lobos, dated October 25, 2011, "183.2KE Sedimentation Basin" |

ATTACHMENT 2 100K AREA PROJECT MANAGERS MEETING MILESTONE STATUS

November 10, 2011

M-016-171 Complete K Basin sludge treatment and packaging technology evaluation report and submit a schedule including proposed new interim milestones for bench scale or identified testing in order to meet M-016-173

Due 03/31/2012, DOE Lead Roger Quintero

- The Technology Evaluation and Alternatives Analysis Report was prepared and a Technology Approach recommendation was transmitted to DOE-RL for review. Review is in progress.
- A memorandum of agreement was approved by the DOE Richland Field Office and the Carlsbad Field Office to document agreements reached on topics associated with K Basin Sludge WIPP waste acceptance criteria. The MOA was developed as a result of an August 2011 meeting.
- Contract direction was provided to the CHPRC to initiate work on selected Sludge Treatment Project (STP) Phase 2 pre-conceptual studies. This includes developing a technology plan and conducting a siting evaluation which will consider existing, hybrid, and new facility alternatives.

Schedule Status: On schedule.

Agreements, Commitments and Actions:

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M-016-173 Select K Basin sludge treatment and packaging technology and propose new interim sludge treatment and packaging milestones.

Due 03/31/2015 DOE Lead Roger Quintero

Schedule Status: Pending completion of M-016-171.

Agreements, Commitments and Actions:

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M-016-172 Complete KOP material removal from 105-KW Fuel Storage Basin.
Due 9/30/2012, DOE Lead Roger Quintero

- Procurement of the “production hardware” associated with the KPS is in progress and on schedule.
- Offsite fabrication of additional MCOs for load out of the KOP product material is in progress as well as the copper inserts that will hold the KOP product material which will be placed in MCO baskets.
- Disposition of comments generated during the formal design review of final design was completed and final design report is being completed.
- The 90% Remedial Design Report Draft A was forwarded to EPA for review and comment. A QAPjP/SAP for field measurements associated with the removal of the KOP product material from the basin was included as an Appendix to the RDR.
- Radioactive air emissions license amendments for Cold Vacuum Drying Facility and Canister Storage Building that are outside the bounds of the K Basin interim remedial action but support the processing and interim storage of the KOP product material following removal from the 105-K West Basin are pending issuance from WDOH.

Schedule Status: On schedule.

Agreements, Commitments and Actions:

DOE provide EPA with a list of documents provided for review and comment and identify the priority. The first document for priority is RSVP for Zone 4 and the second is 90% RDR for KPS (DOE/RL-2010-63-ADD2, R1)

M-016-174 Complete final design of sludge retrieval and transfer system.
Due 9/30/2013, DOE Lead Roger Quintero

- Field work associated with installation of a 3-hour rated fire wall on the North end of the remaining portion of the existing annex has started.
- PNNL submitted a characterization data package associated with the analysis of the sludge samples taken from Engineered Container 210 that holds KW Basin floor and pit sludge. Data validation is in progress. Characterization data package associated with Settler Tank sludge from Engineered Container 230 is also undergoing data validation.
- A formal design review of the preliminary design was started
- Completion of the preliminary design, including issuance of the Preliminary Design Report is on track for completion in November.
- Retrieval and transfer system optimization testing continues at MASF.

Schedule Status: On schedule.

Agreements, Commitments and Actions:

M-016-175 Begin sludge removal from 105-KW Fuel Storage Basin
Due 09/30/2014, DOE Lead Roger Quintero

Schedule Status: Pending completion of M-016-174.

Agreements, Commitments and Actions:

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M-016-176 Complete sludge removal from 105-KW Fuel Storage Basin
Due 12/31/2015, DOE Lead Roger Quintero

Schedule Status: Pending completion of M-016-175.

Agreements, Commitments and Actions:

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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

Removal Actions:

- Asbestos removal at 165-KE continues.
- Demolition of 183.2 KE has begun, 35% complete.

Remedial Actions:

- Completed the drilling and logging of 10 additional DPTs under the 105-KE Reactor. Final data has been received and drawings are being updated.
- Demolition of 190-KW is approximately 50% complete.
- The RSVP for the 100-K-77 waste site was approved by DOE & EPA. The VSI for the 100-K-63 waste site was approved by DOE & EPA. The RSVP is being drafted.
- Interim backfill has been completed at the 100-K-63 waste site and interim re-vegetation is being pursued.
- The VSI for Area AA, Zone 3, 120-KW-1, 120-KW-2, 120-KW-3 and 120-KW-4 waste sites was approved by DOE and EPA.
- The RSVP for Area AA, Zone 3, 120-KW-1, 120-KW-2, 120-KW-3 and 120-KW-4 waste sites was approved by DOE and EPA.
- Began backfilling Area AA, Zone 3, 120-KW-1, 120-KW-2, 120-KW-3 and 120-KW-4 waste sites.
- The VSI for Area AA, Zone 4, 100-K-109 waste site is being reviewed by DOE and EPA.
- The RSVP for Area AA, Zone 4, 100-K-109 waste site is also being reviewed by DOE and EPA.
- The VSI for waste sites 100-K-3, 100-K-47, and 100-K-56 is being drafted. Completed preliminary walk down with DOE & EPA on Wednesday, November 2, 2011. More walk downs and discussions to follow.
- An MOA for remediation work on the 100-K Eastern floodplain at 100-K-80, 100-K-81, 100-K-83, and 100-K-96 waste sites is under review by DOE and the Tribes

Schedule Status: On schedule.

Agreements, Commitments and Actions:

DOE and EPA will continue to meet to discuss facility demolition and waste site remediation scheduling per the integrated schedule revisions. To be scheduled by mid December.

DOE brief EPA on DPT results under the 105-KE reactor.

DOE provide EPA the cultural resource meeting schedule.

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/Steve Balone

Schedule Status: On schedule.

Agreements, Commitments and Actions:

M-016-178 Initiate deactivation of 105-KW Fuel Storage Basin

Due 12/31/2015, DOE Lead Steve Balone

Schedule Status: Below water debris that will remain in the basin for removal as part of the basin substructure during demolition of the basin is being prepared for grouting by transloading the debris underwater into bins which includes an inspection for found fuel and removal of sludge from the internals of pumps once used for transferring sludge within the basin.

Schedule Status: On schedule.

Agreements, Commitments and Actions:

MILESTONE	DESCRIPTION	DUE DATE	DOE LEAD	SCHEDULE STATUS
M-093-22	Complete 105-KE Reactor Interim Safe Storage in Accordance with Remedial Design/Remedial Action Work Plan	7/31/2014	Ellen Dagan	On Schedule
M-093-26	Initiate 105-KW Reactor Interim Safe Storage	12/31/2015	Steve Balone	On Schedule
M-016-181	Complete Deactivation, Demolition, and Removal of 105-KW Fuel Storage Basin	9/30/2019	Steve Balone	On Schedule
M-093-27	Complete 105-KW Reactor Interim Safe Storage	12/31/2019	Steve Balone	On Schedule
M-016-186	Initiate Soil Remediation Under 105KW Fuel Storage Basin	12/31/2019	Steve Balone	On Schedule
M-016-00C	Complete All Response Actions in The 100 K Area	12/31/2020	Tom Teynor	On Schedule

ATTACHMENT 3

100K AREA PROJECT MANAGERS MEETING RESPONSE ACTION AGREEMENTS

- TPA-CN-412, DOE/RL-96-17, Rev. 6, Remedial Design Report/Remedial Action Work Plan for the 100 Area was approved by DOE & EPA. This change notice moves waste sites 100-K-79 and 100-K-55 from Phase 1 into Phase 3 as a result of layback safety requirements and removing sludge from the 105-KW Basin. Reference October 13, 2011 100K Project Manager Meeting Minutes (CHPRC-0900289 R25). This change notice (Attachment 6) supersedes TPA-CN-320.

- DOE & EPA agreed that for 183.2KE a minimum of 1 meter/3 feet of clean fill will be placed on top of the clean debris and at least 3 meters/10 feet of clean fill will be placed between the GW and base of the clean debris. This is consistent with agreements made for other 100K facility and waste sites. Reference email from Tom Teynor to Rod Lobos, dated October 25, 2011 (Attachment 7). EPA agreed to consult with engineering to identify proper soils for water holding capacity requirements.

100K Area Removal Action Status (November 10, 2011)

Phase 1 M-016-053: December 31, 2012	Phase 2 M-016-143: December 31, 2015	Phase 3 (M-016-00C: December 31, 2020)
<p>110KW Gas Storage Facility</p> <p>110KE Gas Storage Facility</p> <p>115KE Gas Recirculation Building</p> <p>116KE Reactor Exhaust Stack</p> <p>117KE Exhaust Air Filter Building</p> <p>118KE Horizontal Control Rod Storage Cave</p> <p>119KE Exhaust Air Sampling</p> <p>1706KE Radiation Control Counting Lab</p> <p>1706KEL Developmental Lab</p> <p>1706KER Water Studies Recirculation Bldg</p> <p>1713KE Warehouse</p> <p>1714KE Oil and Paint Storage Shed</p> <p>183.4KW Clearwell</p> <p>183.1KW Head House</p> <p>181KE River Pump House</p> <p>183.2KW Sedimentation Basin</p> <p>183.3KW Filter Basin</p> <p>MO048 Construction Lunch Trailer</p> <p>MO060 Conference Trailer</p> <p>MO872 Leased trailer</p> <p>MO873 Leased trailer</p> <p>MO969 HPT Change Trailer</p> <p>1605KE Guard Tower East</p>	<p>115KW Gas Recirculation Building</p> <p>116KW Reactor Exhaust Stack</p> <p>117KW Exhaust Air Filter Building</p> <p>118KW Horizontal Control Rod Storage Cave</p> <p>119KW Exhaust Air Sampling Building</p> <p>166AKE Oil Storage Facility</p> <p>166KE Oil Storage Vault</p> <p>166KW Oil Storage Vault</p> <p>1705KE Effluent Water Treatment Pilot Plant</p> <p>1713KER Shop Building</p> <p>1713KW Warehouse</p> <p>1714KW Oil and Paint Storage Shed</p> <p>1720K Administration Office Building</p> <p>1724KB Gas Bottle Storage Facility</p> <p>182K Emergency Water Reservoir Pump House</p> <p>183.5KW Lime Feeder Building</p> <p>183.6KW Lime Feeder Building</p> <p>MO101 Administration</p> <p>MO102 Administration</p> <p>MO214 Administration</p> <p>MO382 Office</p> <p>MO401 Administration</p> <p>MO402 Administration</p> <p>MO442 Classroom/Office</p> <p>MO506 CVDF Lunch Room</p> <p>MO507 CVDF Conference Room</p> <p>MO907 Administration</p> <p>MO917 CVDF Administration</p> <p>MO928 Administration</p>	<p>105KW Water Tunnel</p> <p>142K CVDF</p> <p>1506K1 Fiber Optics Hut</p> <p>165KE Power Control Bldg</p> <p>142KA CVDF Generator Bldg</p> <p>165KW Power Control Bldg</p> <p>167K Cross-tie Tunnel Bldg</p> <p>1717K Maintenance Shop</p> <p>1724K Maintenance Shop</p> <p>1724KA Storage Shed</p> <p>181KW River Pump House</p> <p>183KE Chlorine Vault</p> <p>183.2KE Sedimentation Basin</p> <p>183.3KE Filter Basin</p> <p>183.4KE Clearwell</p> <p>183.1KE Headhouse</p> <p>183.5KE Lime Feeder</p> <p>183.6KE Lime Feeder</p> <p>185K Potable Water Treatment Plant</p> <p>1908K Outfall Structure</p> <p>1908KE Outfall Structure</p> <p>190KE Main Pump House</p> <p>190KW Main Pump House</p> <p>MO054 Construction Lunch Room</p> <p>MO500 Administration</p> <p>MO236 KW Ops/HPT Change</p> <p>MO237 KW Construction Forces</p> <p>MO323 CVD Change Trailer</p> <p>MO955 Conference Room</p> <p>1605KW Guard Tower West</p>

Field Work In Progress

Demolition Complete

Closure Actions and
Documentation Complete

100K Area Waste Site Remediation Status
November 15, 2011

Phase 1 M-016-053: 12/31/2012		Phase 2 M-016-143: 12/31/2015		Phase 3 M-016-00C: 12/31/2020	M-016-57 (Initiate soil remediation at K East Basin)	Legend
100-K-3	100-K-71	100-K-1	120-KW-6	100-K-35	UPR-100-K-1	Excavation ongoing/ Additional remediation needed
100-K-6	100-K-77	100-K-4	126-KE-2	100-K-43		Failed CSNA
100-K-18	116-KE-1	100-K-5	130-K-2	100-K-47		Mixed Failed CSNA and RTD
100-K-19	116-KE-3	100-K-13	130-KE-2	100-K-55		Closure Sampling and Docs in Process
100-K-34	116-KE-6A	100-K-14	130-KW-1	100-K-56		RSVP approved
100-K-36	116-KE-6B	100-K-25	130-KW-2	100-K-72		Backfill complete
100-K-37	116-KE-6C	100-K-27	132-KW-1	100-K-73		Revegetation complete
100-K-38	116-KE-6D	100-K-48	1607-K1	100-K-74		
100-K-46	118-KE-2	100-K-49	1607-K2	100-K-75		
100-K-53	120-KW-1	100-K-54	1607-K4	100-K-79		
100-K-56	120-KW-2	100-K-56(pt#2)	1607-K5	100-K-80		
100-K-57	120-KW-3	100-K-60	1607-K6	100-K-81		
100-K-62	120-KW-4	100-K-61	100-K-94	100-K-82		
100-K-63	120-KW-5	100-K-66	100-K-96	116-K-3		
100-K-64	120-KW-7	100-K-67	100-K-97	116-KE-2		
100-K-68	130-KE-1	100-K-83	100-K-100	116-KW-2		
100-K-69	132-KE-1	116-KW-1	100-K-101	118-KW-1		Waste site listing is based on DOE/RL-97-16 TPA-CN-412
100-K-70	1607-K3	118-KW-2	100-K-102	128-K-2		
		120-KE-1	100-K-103			
		120-KE-2	100-K-104			
		120-KE-3	100-K-105			
		120-KE-4	100-K-106			
		120-KE-5	100-K-107			
		120-KE-6	100-K-108			
		120-KE-8	100-K-109			
		120-KE-9	100-K-110			

100-K Waste Site Status as of 11/10/2011

Site Code	Site Names	TPA-CN-320	PMB Remedy	CSNA Documentation	Waste Site Status	VSI	VSI Status	RSVP	Area
100-K-18	183-KW Caustic Neutralization Pit	Phase 1	RTD	N/A	On hold pending review of pipeline	RA-00368	On hold		AA
100-K-19	183-KW Caustic Soda Storage Tank Site	Phase 1	CSNA	RA-00134	On hold pending review of pipeline	RA-00368	On hold		AA
100-K-3	1706-KE Fish Pond Heat Exchanger Pit and Pump Pit, Water Studies Semi-Works	Phase 1	RTD	N/A	Drafting V.S.I. Samples collected		Drafting		AG
100-K-34	183-KW Acid Neutralization Pit	Phase 1	RTD	N/A	On hold pending review of pipeline	RA-00371	On hold		AA
100-K-36	1706-KE Chemical Storage Facility Dry Well	Phase 1	CSNA	RA-00122	Field work complete, ARES sample design complete		Drafting		AH
100-K-37	1706-KE Sulfuric Acid Tank	Phase 1	CSNA	RA-00122	Closed			DOE/RL-2010-44	AH
100-K-38	100-K-38, 1706-KE Caustic Soda Tank	Phase 1	CSNA	RA-00122	Closed			DOE/RL-2010-44	AH
100-K-46	100-K-46, 119-KE French Drain, Drywell	Phase 1	CSNA	RA-00145	Field work complete, ARES sample design complete		Drafting		AH
100-K-53	100-K-53, 100-KE Glycol Heat Recovery Underground Pipelines	Phase 1	RTD	N/A	Drafting V.S.I. Samples collected		Drafting		AH
100-K-55	100-K-55, 100-KW Reactor Cooling Water Effluent Underground Pipelines	Phase 1	RTD	N/A	Not Started				AF
100-K-56	100-K-56, 100-KE Reactor Cooling Water Effluent Underground Pipelines	Phase 1	RTD	N/A	Drafting V.S.I. Samples collected		Drafting		AG
100-K-57	100-K-57, 107-KE Drainage Ditch	Phase 1	RTD	N/A	Not Started, included in TPA-CN-412				AM
100-K-6	Vacuum Pit, Cyclone Separator, 105-KE Vacuum Pit	Phase 1	CSNA	RA-00142	Field work complete, ARES sample design complete		Drafting		AH
100-K-62	100-K-62, 117-KE Filter Building	Phase 1	CSNA	RA-00136	Field work complete, ARES sample design complete		Drafting		AH
100-K-63	100-K-63, 100-KW Floodplain, 100-K Flood Plain Contamination Area	Phase 1	CSNA	RA-00086	Backfill complete, sample results are being validated	RA-00401	Approved 9/28/2011		AJ
100-K-64	100-KE Floodplain, 100-KE Flood Plain Contamination Area	Phase 1	CSNA	RA-00086	Not Started				AM
100-K-68	100-K-68, 105-KE Pump Gallery and Catch Tank, D Sump	Phase 1	RTD	N/A	On hold pending path forward for 116-KE-3		On hold		AG
100-K-69	100-K-69, 105-KE Sump C	Phase 1	RTD	N/A	On hold pending path forward for 116-KE-3		On hold		AG
100-K-70	100-K-70, 105-KE Waste Storage Tank, Holding Tank	Phase 1	RTD	N/A	On hold pending path forward for 116-KE-3		On hold		AG
100-K-71	100-K-71, 105-KE Collection Box	Phase 1	RTD	N/A	On hold pending path forward for 116-KE-3		On hold		AG
100-K-77	100-K-77, Underground Railroad Ties Southeast of 1706KE	Phase 1	RTD	N/A	Closed	RA-00379	Approved 9/8/2011	DOE/RL-2011-105	AH
100-K-79	Sodium Dichromate and Sulfuric Acid Product Pipelines at 100-K	Phase 1	CSNA	RA-00134	Not Started / Failed Confirmatory Sampling / On hold pending review of pipeline	RA-00368	Part 1, On hold		AA/AB/AF
116-KE-1	116-KE-1, 115-KE Condensate Crib	Phase 1	RTD	N/A	Not complete				AH
116-KE-3	116-KE-3, 105-KE Storage Basin French Drain, 105-KE Fuel Storage Basin Sub-Basin Drainage Disposal System Crib	Phase 1	RTD	N/A	Exceeds RAGs needs additional remediation				AG
116-KE-6A	116-KE-6A, 1706-KE Condensate Collection Tank, 1706-KE Waste Treatment System	Phase 1	CSNA	RA-00121	Closed			DOE/RL-2010-42	AH
116-KE-6B	116-KE-6B, 1706-KE Evaporation Tank, 1706-KE Waste Treatment System	Phase 1	CSNA	RA-00121	Closed			DOE/RL-2010-42	AH
116-KE-6C	116-KE-6C, 1706-KE Waste Accumulation Tank, 1706-KE Waste Treatment System	Phase 1	CSNA	RA-00121	Closed			DOE/RL-2010-42	AH
116-KE-6D	116-KE-6D, 1706-KE Ion Exchange Column, 1706-KE Waste Treatment System	Phase 1	CSNA	RA-00121	Closed			DOE/RL-2010-42	AH
118-KE-2	118-KE-2, 105-KE Horizontal Control Rod Storage Cave	Phase 1	CSNA	RA-00119	Closed			DOE/RL-2010-50	AH
120-KW-1	120-KW-1, 183-KW Filter Water Facility Dry Well, 100-KW-1, 183-KW Acid Neutralization Pit, 100-K-17	Phase 1	RTD	N/A	Closed	RA-00358	Approved	DOE/RL-2011-113	AA
120-KW-2	120-KW-2, 183-KW Filter Water Facility French Drain, 100-KW-2	Phase 1	RTD	N/A	Closed	RA-00358	Approved	DOE/RL-2011-113	AA
120-KW-3	120-KW-3, 183-KW1 Sulfuric Acid Storage Tank	Phase 1	CSNA	RA-00134	Closed	RA-00358	Approved	DOE/RL-2011-113	AA
120-KW-4	120-KW-4, 183-KW2 Sulfuric Acid Storage Tank	Phase 1	CSNA	RA-00134	Closed	RA-00358	Approved	DOE/RL-2011-113	AA
120-KW-5	120-KW-5, 183-KW Sodium Dichromate Storage Tank	Phase 1	CSNA	RA-00134	On hold pending review of pipeline	RA-00368	On hold		AA
120-KW-7	120-KW-7, 183-KW Brine Pit, 183-KW Salt Dissolving Pits and Brine Pump Pit	Phase 1	CSNA	RA-00134	On hold pending review of pipeline	RA-00368	On hold		AA
130-KE-1	130-KE-1, 105-KE Emergency Diesel Oil Storage Tank, 105-KE Emergency Diesel Fuel Tank	Phase 1	CSNA	RA-00133	Closed			DOE/RL-2010-45	AH
132-KE-1	132-KE-1, 116-KE Reactor Exhaust Stack	Phase 1	CSNA	RA-00136	Field work complete, ARES sample design complete		Drafting		AH
1607-K3	1607-K3 Septic Tank and Associated Drain Field	Phase 1	RTD	N/A	On hold pending review of pipeline	RA-00371	On hold		AA

100-K Waste Site Status as of 11/10/2011

Site Code	Site Names	TPA-CN-320	PMB Remedy	CSNA Documentation	Waste Site Status	VSI	VSI Status	RSVP	Area
100-K-96	100-K-96, 100KE River Effluent Pipeline, 100KE River Line, River Line (East) from 116-K-3 Outfall	Phase 2	RTD	N/A	Drafting MOA for RTD				AM
100-K-1	100-K-1, 119-KW French Drain, 119-KW Exhaust Air Sample Building French Drain, 100-K-45	Phase 2	RTD	N/A	Not Started				AF
100-K-100	100-K-100, Radioactive Material Area Remaining After 107-KW Basin Removal, 116-KW-3 Remaining Contaminated Soil and Items	Phase 2	RTD	N/A	Not Started				AF
100-K-101	100-K-101, French Drains and Mercury Stained Soils near the 183KE Sedimentation Basin	Phase 2	RTD	N/A	Not Started				AB
100-K-102	100-K-102, French Drains and Mercury Stained Soils near the 183KW Sedimentation Basin	Phase 2	RTD	N/A	On hold pending review of pipeline	RA-00371	On hold		AA
100-K-103	100-K-103, 1704-K and 1717-K Septic Systems, 1607-K	Phase 2	RTD	N/A	Not Started				AF
100-K-104	100-K-104, 166-KE French Drain	Phase 2	RTD	N/A	Not Started				AD
100-K-105	100-K-105, Pit at Southeast Corner of 100K	Phase 2	RTD	N/A	Not Started				AF
100-K-106	100-K-106, 182-K Fuel Oil Crib	Phase 2	RTD	N/A	Not Started				AD
100-K-107	100-K-107, 1706-KER Abandoned Drain Field	Phase 2	RTD	N/A	Not Started				AF
100-K-108	100-K-108, 1706-KER Septic System	Phase 2	RTD	N/A	Not Started				AF
100-K-109	100-K-109, Unplanned Chemical Release near 183.1KW Head House, Yellow Stained Soil adjacent to 183.1KW Head House	Phase 2	RTD	N/A	VSI and RSVP with DOE/EPA for review	RA-00361	With DOE/EPA for review	DOE/RL-2011-114	AA
100-K-110	Soil beneath 183.2-KW Flocculation and Sedimentation Basins; the 183.3-KW Sand Filter Basins	Phase 2	N/A	N/A	On hold pending review of pipeline				AA
100-K-13	100-K-13, French Drain West of the 166-KW Oil Storage Tank Facility	Phase 2	CSNA	RA-00144	Not Started				AC
100-K-14	100-K-14, 183-KE Acid Neutralization Pit and Overflow French Drain	Phase 2	RTD	N/A	Not Started				AB
100-K-25	100-K-25, 183-KE Caustic Neutralization Pit	Phase 2	CSNA	RA-00139	Not Started				AB
100-K-27	100-K-27, 183-KE Caustic Soda Storage Tank Site	Phase 2	RTD	N/A	Not Started				AB
100-K-4	100-K-4, 1706-KE Wet Fish Studies Ponds and Valve Pit	Phase 2	RTD	N/A	Closed			DOE-RL-2010-43	AG
100-K-48	100-K-48, 100-KE Oil Contamination Area	Phase 2	CSNA	RA-00147	Not Started				AF
100-K-49	100-K-49, 100-KW Oil Contamination Area	Phase 2	CSNA	RA-00147	Not Started				AC
100-K-5	100-K-5, 1705-KE French Drain	Phase 2	CSNA	RA-00146	Not Started				AD
100-K-54	100-K-54, 100-KW Glycol Heat Recovery Underground Pipelines	Phase 2	RTD	N/A	Not Started				AF
100-K-56	100-K-56, 100-KE Reactor Cooling Water Effluent Underground Pipelines (See Subsites)	Phase 2	RTD	N/A	Not Started				AF
100-K-60	100-K-60, 1904-K Process Sewer (165-KW)	Phase 2	CSNA	RA-00148	Not Started				AC
100-K-61	100-K-61, 117-KW Filter Building	Phase 2	CSNA	RA-00136	Not Started				AF
100-K-66	100-K-66, 165-KW Power Control Building	Phase 2	CSNA	RA-00136	Not Started				AC
100-K-67	100-K-67, 165-KE Power Control Building	Phase 2	CSNA	RA-00136	Not Started				AD
100-K-83	100-K-83, 1904-K Spillway, 116-K-3, 1904-K Outfall Structure	Phase 2	CSNA	RA000149	Drafting MOA for RTD				AM
100-K-94	100-K-94, 1702-KE and 1702-KW Guard House Dry Well	Phase 2	RTD	N/A	Not Started				AB
100-K-97	100-K-97, 183-KW French Drain and Rail Spur Unplanned Release	Phase 2	RTD	N/A	On hold pending review of pipeline	RA-00368	On hold		AA
100-K-98	100-K-98, 183-KE French Drain and Rail Spur Unplanned Release	Phase 2	RTD	N/A	Not Started				AB
100-K-99	100-K-99, Radioactive Material Area Remaining After 107-KE Basin Removal, 116-KE-4 Contaminated Soil and Items	Phase 2	RTD	N/A	Not Started				AF
116-KW-1	116-KW-1, 115-KW Condensate Crib	Phase 2	RTD	N/A	Not Started				AF
118-KW-2	118-KW-2, 105-KW Horizontal Control Rod Storage Cave	Phase 2	RTD	N/A	Closed			DOE/RL-2011-35	AF
120-KE-1	120-KE-1, 183-KE Filter Waste Facility Dry Well, 100-KE-1, 183-KE Filter Water Facility, 183-KE Acid Neutralization Pit, 100-K-26	Phase 2	RTD	N/A	Not Started				AB
120-KE-2	120-KE-2, 183-KE Filter Waste Facility French Drain, 100-KE-2, 183 KE Filter Water Facility	Phase 2	RTD	N/A	Not Started				AB
120-KE-3	120-KE-3, 100-KE-3, 183-KE Filter Water Facility Trench	Phase 2	CSNA	RA-00134	Not Started				AB
120-KE-4	120-KE-4, 183-KE1 Sulfuric Acid Storage Tank	Phase 2	RTD	RA-00134	Not Started				AB
120-KE-5	120-KE-5, 183-KE2 Sulfuric Acid Storage Tank	Phase 2	RTD	RA-00134	Not Started				AB
120-KE-6	120-KE-6, 183-KE Sodium Dichromate Tank	Phase 2	CSNA	RA-00134	Not Started				AB
120-KE-8	120-KE-8, 165-KE Brine Pit, 165-KE Brine Mixing Tank	Phase 2	CSNA	RA-00141	Not Started				AB
120-KE-9	120-KE-9, 183-KE Brine Pit, 183-KE Salt Dissolving Pits and Brine Pump Pit	Phase 2	RTD	N/A	Not Started				AB
120-KW-6	120-KW-6, 165-KW Brine Pit, 165-KW Brine Mixing Tank	Phase 2	CSNA	RA-00141	Not Started				AC
126-KE-2	126-KE-2, 183-KE Liquid Alum Storage Tank #2	Phase 2	RTD	N/A	Not Started				AB
130-K-2	130-K-2, 1717-K Waste Oil Storage Tank	Phase 2	CSNA	RA-00150	Not Started				AD

100-K Waste Site Status as of 11/10/2011

Site Code	Site Names	TPA-CN-320	PMB Remedy	CSNA Documentation	Waste Site Status	VSI	VSI Status	RSVP	Area
130-KE-2	130-KE-2, 166-KE Oil Storage Tank	Phase 2	CSNA	RA-00136	Not Started				AD
130-KW-1	130-KW-1, 105-KW Emergency Diesel Oil Storage Tank, 130-KW-1A/130-KW-1B Tanks, 105-KW Emergency Diesel Fuel Tank	Phase 2	CSNA	RA-00137	Not Started				AC
130-KW-2	130-KW-2, 166-KW Oil Storage Tank	Phase 2	CSNA	RA-00136	Not Started				AC
132-KW-1	132-KW-1, 116-KW Reactor Exhaust Stack	Phase 2	CSNA	RA-00136	Not Started				AF
1607-K1	1607-K1, 1607-K1 Septic Tank and Associated Drain Field, 124-K-1, 1607-K1 Sanitary Sewer System, 1607-K1 Septic Tank	Phase 2	RTD	RA-00135	Not Started				AA
1607-K2	1607-K2, 1607-K2 Septic Tank and Associated Drain Field, 124-KE-1, 1607-K2 Sanitary Sewer System, 1607-K2 Septic Tank	Phase 2	RTD	RA-00135	Not Started				AB
1607-K4	1607-K4, 1607-K4 Septic Tank and Associated Drain Field, 124-K-2, 1607-K4 Sanitary Sewer System, 1607-K4 Septic Tank	Phase 2	RTD	N/A	Closed				AF
1607-K5	1607-K5, 1607-K5 Septic Tank and Associated Drain Field, 124-KE-2, 1607-K5 Sanitary Sewer System, 1607-K5 Septic Tank	Phase 2	RTD	RA-00135	Not Started				AH
1607-K6	1607-K6, 1607-K6 Septic Tank and Associated Drain Field, 124-KW-1, 1607-K6 Sanitary Sewer System, 1607-K6 Septic Tank	Phase 2	RTD	RA-00135	Not Started				AF

100-K Waste Site Status as of 11/10/2011

CHPRC-0900289 R26

Attachment 5

Site Code	Site Names	TPA-CN-320	PMB Remedy	CSNA Documentation	Waste Site Status	VSI	VSI Status	RSVP	Area
100-K-35	100-K-35, 183-KE Acid Neutralization Pit	Phase 3	CSNA	RA-00139	Not Started				AB
100-K-43	100-K-43, KW Basin, 105-KW Fuel Storage Basin, K West Basin, Irradiated Fissile Material Storage	Phase 3	RTD	N/A	Not Started				AE
100-K-47	100-K-47, 1904-K Process Sewer	Phase 3	RTD	N/A	Not Started				AE
100-K-56	100-K-56, 100-KE Reactor Cooling Water Effluent Underground Pipelines (See Subsites)	Phase 3	RTD	N/A	Not Started				AE
100-K-55	100-K-55, 100-KW Reactor Cooling Water Effluent Underground Pipelines (See Subsites)	Phase 3	RTD	N/A	Not Started				AE
100-K-72	100-K-72, 105-KW Pump Gallery and Catch Tank, D Sump	Phase 3	RTD	N/A	Not Started				AE
100-K-73	100-K-73, 105-KW Collection Box	Phase 3	RTD	N/A	Not Started				AE
100-K-74	100-K-74, 105-KW Waste Storage Tank, Holding Tank	Phase 3	RTD	N/A	Not Started				AE
100-K-75	100-K-75, 105-KW Sump C	Phase 3	RTD	N/A	Not Started				AE
100-K-80	100-K-80, 100K River Effluent Pipeline, 100K River Line, 116-K-3 Outfall Structure, 1908 K Outfall	Phase 3	RTD	N/A	Drafting MOA for RTD				AM
100-K-81	100-K-81, Contamination Area West of 116-K-3	Phase 3	RTD	N/A	Drafting MOA for RTD				AM
100-K-82	100-K-82, 105-KW Fuel Storage Basin Leak	Phase 3	CSNA	RA-00143	Not Started				AE
116-K-3	116-K-3, 1904-K Outfall Structure, 1908-K Outfall Structure	Phase 3	RTD	N/A	Drafting MOA for RTD				AM
116-KE-2	116-KE-2, 1706-KER Waste Crib	Phase 3	RTD	N/A	Not Started				AF
116-KW-2	116-KW-2, 105-KW Storage Basin French Drain, 105-KW Basin Reverse Well, 105-KW Fuel Storage Basin Sub-Basin Drainage Disposal System Crib	Phase 3	RTD	N/A	Not Started				AE
118-KW-1	118-KW-1, 105-KW Reactor Building	Phase 3	CSNA	RA-00136	Not Started				AN

TRI-PARTY AGREEMENT

Change Notice Number TPA-CN- 412	TPA CHANGE NOTICE FORM	Date: October 26, 2011
Document Number, Title, and Revision: DOE/RL-96-17, Rev. 6, Remedial Design Report/Remedial Action Work Plan for the 100 Area		Date Document Last Issued: September 2009
Originator: Dottie Norman		Phone: 373-0040

Description of Change:
Adds text to the RDR/RAWP regarding phased work for the 100-K Area and reflects agreed-upon shift of selected wastes sites between Phases 1 and 3. This TPA Change Notice replaces TPA-CN-320 in its entirety.

Tom Teynor **DOE** and Rod Lobos **Environmental Protection Agency** agree that the proposed change modifies an approved work plan/document and will be processed in accordance with the Tri-Party Agreement Action Plan, Section 9.0, *Documentation and Records*, and not Chapter 12.0, *Changes to the Agreement*.

The following text is added to the end of Section 3.2.2 (Page 3-11) in DOE/RL-96-17, Rev. 6.:

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 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. The remediation will proceed in a phased approach, as identified in TPA Milestones M-016-53, M-016-143, and M-016-00C.

Remaining work at the 100-K Area is being performed in three phases and will be completed on the dates provided below:

Phase 1 (M-016-53, due 12/31/2012)	Phase 2 (M-016-143, due 12/31/2015)	Phase 3 (M-016-00C, due 12/31/2020)
100-K-3 100-K-79	100-K-1 120-KE-3	116-K-3
100-K-6 116-KE-1	100-K-4 120-KE-4	116-KE-2
100-K-18 116-KE-3	100-K-5 120-KE-5	116-KW-2
100-K-19 116-KE-6A	100-K-13 120-KE-6	118-KW-1
100-K-34 116-KE-6B	100-K-14 120-KE-8	128-K-2
100-K-36 116-KE-6C	100-K-25 120-KE-9	100-K-35
100-K-37 116-KE-6D	100-K-27 120-KW-6	100-K-43
100-K-38 118-KE-2	100-K-48 126-KE-2	100-K-75
100-K-46 130-KE-1	100-K-49 130-K-2	100-K-47
100-K-53 132-KE-1	100-K-54 130-KE-2	100-K-72
100-K-57 120-KW-1	100-K-60 130-KW-1	100-K-73
100-K-62 120-KW-2	100-K-61 130-KW-2	100-K-74
100-K-63 120-KW-3	100-K-66 132-KW-1	100-K-79
100-K-64 120-KW-4	100-K-67 1607-K1	100-K-80
100-K-77 120-KW-5	100-K-83 1607-K2	100-K-81
100-K-68 120-KW-7	116-KW-1 1607-K4	100-K-82
100-K-69 1607-K3	118-KW-2 1607-K5	100-K-55*
100-K-70 100-K-55*	120-KE-1 1607-K6	100-K-56*
100-K-71 100-K-56*	120-KE-2 100-K-56*	
and any other orphan and discovery sites		

* Partial unit. Waste site spans multiple-phase areas (e.g., pipelines) may be executed in each phase.

NOTE: Provided for information only.

Interim closed-out waste sites, therefore no further action required.

100-K-29, 100-K-30, 100-K-31, 100-K-32, 100-K-33, 116-KE-4, 116-KE-5, 116-KW-3, 116-KW-4, 128-K-1.

Waste sites rejected/not accepted in WIDS, therefore no further action required.

100-K-7, 100-K-8, 100-K-9, 100-K-10, 100-K-11, 100-K-12, 100-K-15, 100-K-16, 100-K-20, 100-K-21, 100-K-22, 100-K-23, 100-K-24, 100-K-28, 100-K-39, 100-K-44, 100-K-51, 100-K-52, 100-K-58, 100-K-59, 100-K-76, 126-KE-3, 130-K-1, 130-K-3.

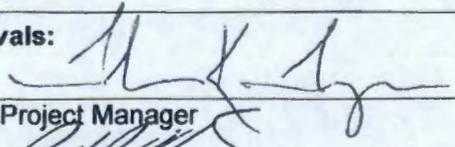
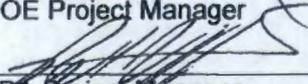
Note: Include affected page number(s)

Justification and Impacts of Change:

This change moves waste sites 100-K-79 and 100-K-55 from Phase 1 into Phase 3 as a result of layback safety requirements and removing sludge from the 105-KW Basin. Reference October 13, 2011 100K Project Manager Meeting Minutes (CHPRC-0900289 R25).

This change notice supersedes TPA-CN-320.

Approvals:

	<u>10-26-2011</u>	<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved
DOE Project Manager	Date	
	<u>11-8-2011</u>	<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved
EPA Project Manager	Date	
N/A		<input type="checkbox"/> Approved <input type="checkbox"/> Disapproved
Ecology Project Manager	Date	

-----Original Message-----

From: Teynor, Thomas [mailto:Thomas.Teynor@rl.doe.gov]
Sent: Wednesday, October 26, 2011 10:03 AM
To: 'Lobos.Rod@epamail.epa.gov'
Cc: Norman, Dottie L; Kehler, Kurtis L; Dagan, Ellen; Balone, Steven
Subject: Re: 183.2KE Sedimentation Basin

Will arrange the meeting. Thanks for the offer to clarify

----- Original Message -----

From: Lobos.Rod@epamail.epa.gov [mailto:Lobos.Rod@epamail.epa.gov]
Sent: Wednesday, October 26, 2011 12:52 PM
To: Teynor, Thomas
Subject: RE: 183.2KE Sedimentation Basin

Does PRC have a design they are shooting for final grades? The final contours will need to meet the requirements in the work plan and be able to support vegetation. A minimum of 3 feet of soil will work, but it is a minimum.. And the soil will need to have an adequate water holding capacity.. I would be happy to talk with the design engineer to get the right combination..

Sent with Good (www.good.com)

----- Original Message -----

From : "Teynor, Thomas" <Thomas.Teynor@rl.doe.gov>
To : Rod Lobos/R10/USEPA/US@EPA
Cc : "Balone, Steven" <Steven.Balone@rl.doe.gov>, "Dagan, Ellen" <Ellen.Dagan@rl.doe.gov>, "Quintero, Roger" <Roger.Quintero@rl.doe.gov> Sent on : 10/25/2011 06:21:10 PM Subject : 183.2KE Sedimentation Basin

Rod,

When we walk down 183.2KE next week I specifically want to identify how much, if any, of the floor needs to be taken up to meet contour requirements.

As per our agreements noted in the September and October 2011 PMM meeting notes for the clearwells, and waste sites, I will ensure we have a minimum of 1 meter/3 feet of clean fill on top of the clean debris and at least 3 meters/10 feet of clean fill between the GW and base of the clean debris.

Regards, Tom Teynor
Federal Project Director
Ph: 509-376-6363