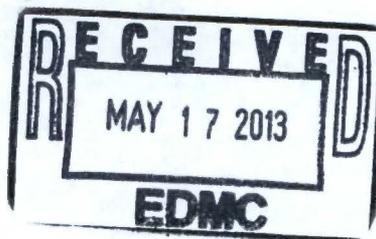


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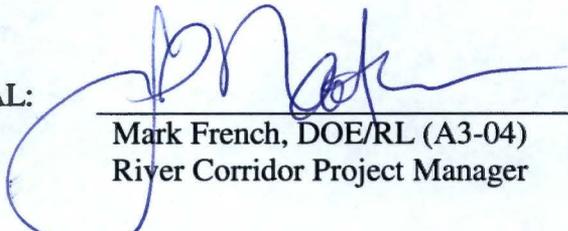
100/300 AREA UNIT MANAGER MEETING ATTENDANCE AND DISTRIBUTION

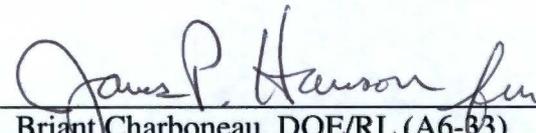
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Gadbois, Larry E	Gadbois.larry@epa.gov	B1-46	EPA
Hadley, Karl A	karl.hadley@wch-rcc.com	H4-21	WCH

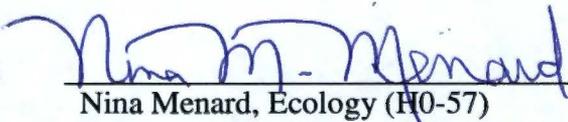


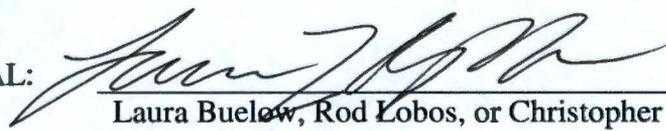
100/300 AREA UNIT MANAGERS MEETING
APPROVAL OF MEETING MINUTES

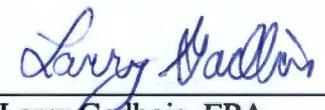
April 11, 2013

APPROVAL:  _____ Date 5/9/13
Mark French, DOE/RL (A3-04)
River Corridor Project Manager

APPROVAL:  _____ Date 5/9/13
Briant Charboneau, DOE/RL (A6-B3)
Groundwater Project Manager

APPROVAL:  _____ Date 5/8/13
Nina Menard, Ecology (H0-57)
Environmental Restoration Project
Manager

APPROVAL:  _____ Date 5/9/13
Laura Buelow, Rod Lobos, or Christopher
Guzzetti, EPA (B1-46)
100 Area Project Manager

APPROVAL:  _____ Date 5-9-2013
Larry Gadbois, EPA
(B1-46)
300 Area Project Manager

100 & 300 AREA UNIT MANAGER MEETING MINUTES

Groundwater and Source Operable Units; Facility Deactivation, Decontamination, Decommission, and Demolition (D4); Interim Safe Storage (ISS); Field Remediation (FR); Mission Completion; and 100-K Sludge Treatment Project and 100-K Facility Demolition and Soil Remediation projects

April 11, 2013

ADMINISTRATIVE

- **Next Unit Manager Meeting (UMM)** –The next meeting will be held May 9, 2013, at the Washington Closure Hanford (WCH) Office Building, 2620 Fermi Avenue, Room C209.
- **Attendees/Delegations** – Attachment A is the list of attendees. Representatives from each agency were present to conduct the business of the UMM.
- **Approval of Minutes** – The March 14, 2013, meeting minutes were approved by the U.S. Environmental Protection Agency (EPA), Washington State Department of Ecology (Ecology), and U.S. Department of Energy, Richland Operations Office (RL).
- **Action Item Status** – The status of action items was reviewed and updates were provided (see Attachment B).
- **Agenda** – Attachment C is the meeting agenda.

EXECUTIVE SESSION (Tri-Parties Only)

An Executive Session was not held by RL, EPA, and Ecology prior to the April 11, 2013, UMM.

100-K AREA (GROUNDWATER, SOILS, D4/ISS)

Attachment 1 provides status and information for groundwater. Attachment 2 provides status and information for Field Remediation activities. Attachment 3 provides a schedule for Field Remediation at the 100-K Area. Attachment 4 provides a status of the 100-K Sludge Treatment Project and the 100-K Facility Demolition and Soil Remediation projects. No issues were identified and no agreements or action items were documented.

100-F & 100-IU-2/100-IU-6 AREAS (GROUNDWATER, SOILS, D4/ISS)

Attachment 1 provides status and information for groundwater. Attachment 2 provides status and information for Field Remediation activities. Attachment 5 provides the Field Remediation Schedule for IU-2/6. No issues were identified and no action items were documented.

Agreement 1: Attachment 6 provides EPA's concurrence with sending five gallons of unused sample material (lead contaminated soil from 600-328) directly from the offsite laboratory (Lionville Laboratory in Pennsylvania, which is closing) to the Environmental Restoration Disposal Facility (ERDF) for storage until treatment can be authorized by EPA and DOE.

Agreement 2: Attachment 7 provides EPA's and DOE's approval to treat 600-328 lead contaminated soils sample in accordance with the "Treatment Plan and Protocol for Treatment of Lead-Contaminated Soils, WCH-252, Rev. 2."

100-D & 100-H AREAS (GROUNDWATER, SOILS, D4/ISS)

Attachment 1 provides status and information for groundwater. Attachment 2 provides status and information for Field Remediation activities. Attachment 8 provides the Field Remediation Schedule for 100-D and 100-H. Attachment 9 provides status and information for D4/ISS activities at 100-N, 100-D and 100-B. No issues were identified and no agreements or action items were documented.

100-N AREA (GROUNDWATER, SOILS, D4/ISS)

Attachment 1 provides status and information for groundwater. Attachment 2 provides status and information for Field Remediation activities. Attachment 9 provides status and information for D4/ISS activities at 100-N, 100-D and 100-B. Attachment 10 provides the 100-N Area FR Schedule. No issues were identified and no action items were documented.

Agreement 1: Attachment 11 provides the approved TPA Change Notice TPA-CN-548 revising DOE-RL-2005-93, Remedial Design Report/Remedial Action Work Plan for the 100-N Area, Rev. 0, to reflect agreements on management of roll-off containers for non-radiologically contaminated waste.

Agreement 2: Attachment 12 provides Ecology's support of the proposal to deposit PAH overburden material in the deep zone or within the safe storage enclosure of the 100-N reactor footprint.

Agreement 3: Attachment 13 provides Ecology's and DOE's concurrences to close the staging pile area north of the UPR-100-N-18/20/24 excavation based on visual demonstration that all waste has been removed, without verification sampling.

Agreement 4: Attachment 14 provides Ecology's concurrence with the 100-N-23 additional plume chase and resampling agreement.

100-B/C AREA (GROUNDWATER, SOILS, D4/ISS)

Attachment 1 provides status and information for groundwater. Attachment 2 provides status and information for Field Remediation activities. Attachment 9 provides status and information for D4/ISS activities at 100-N, 100-D and 100-B. Attachment 15 provides a schedule for Field Remediation at 100-B/C Area. No issues were identified and no action items were documented.

Agreement 1: Attachment 16 provides EPA's concurrence with the request to set up a container storage area at 100-B/C in the equipment laydown yard across the street from MO-474 to collect soil contaminated with petroleum products or other materials from vehicle/equipment supporting work at 100-C-7:1 pending sampling, designation, and disposal of the material.

300 AREA – 618-10/11 (GROUNDWATER, SOILS)

Attachment 1 provides status and information for groundwater. Attachment 2 provides status and information for Field Remediation activities. No issues were identified and no agreements or action items were documented.

300 AREA - GENERAL (GROUNDWATER, SOILS, D4/ISS)

Attachment 1 provides status and information for groundwater. Attachment 17 provides status of the 300 Area Closure Project activities. No issues were identified and no agreements or action items were documented.

MISSION COMPLETION PROJECT

Attachment 18 provides status and information regarding the Long-Term Stewardship, the 100-K Shoreline Characterization Sample Design, and a Document Review Look-Ahead. No issues were identified and no agreements or action items were documented.

5-YEAR RECORD OF DECISION ACTION ITEM UPDATE

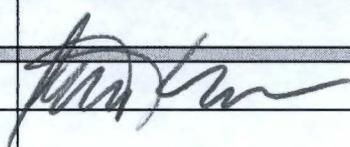
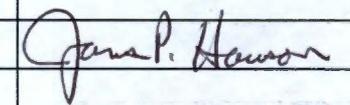
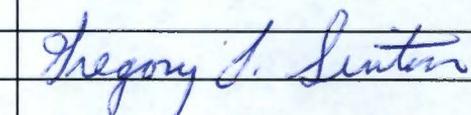
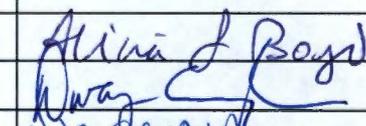
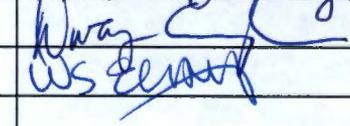
No changes were reported to the status of the CERCLA Five-Year Review action Items. No issues were identified and no agreements or action items were documented.

Attachment A

100/300 AREA UNIT MANAGER MEETING

ATTENDANCE AND DISTRIBUTION

April 11, 2013

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Attachment B

100/300 Area UMM

Action List

April 11, 2013

Open (O)/ Closed (X)	Action No.	Co.	Actionee	Project	Action Description	Status

Attachment C

100/300 Area Unit Manager Meeting
April 11, 2013
Washington Closure Hanford Building
2620 Fermi Avenue, Richland, WA 99354
Room C209; 2:00p.m.

Administrative:

- Approval and signing of previous meeting minutes (March 14, 2013)
- Update to Action Items List
- Next UMM (5/9/2013, Room C209)

Open Session: Project Area Updates - Groundwater, Field Remediation, D4/ISS:

- 100-K Area (Jim Hanson, Jamie Zeisloft, Roger Quintero)
- 100-F & 100-IU-2/6 Areas (Greg Sinton, Tom Post, Jamie Zeisloft)
- 100-D & 100-H Areas (Jim Hanson, Tom Post, Elwood Glossbrenner)
- 100-N Area (Joanne Chance, Rudy Guercia, Mike Thompson)
- 100-B/C Area (Greg Sinton, Tom Post)
- 300 Area - 618-10/11 exclusively (Jamie Zeisloft)
- 300 Area (Mike Thompson/Rudy Guercia)
- Mission Completion Project (Jamie Zeisloft)

Special Topics/Other

- 5-Year Record of Decision Action Item Update (Jim Hanson)

Adjourn

Attachment 1

100/300 Areas Unit Managers Meeting
April 11, 2013

General information on Groundwater Sampling

Sampling commenced for FY 2013 in October and progress against the plan is shown in Figure 1. During March, the samples completed versus samples scheduled was 1,509 vs 1,560 . Of the 51 total wells not completed, 44 are on the well maintenance/repair and/or access list. The specific well IDs successfully sampled in March are presented in the **Summary of Wells & Aquifer Tubes Sampled in the River Corridor Areas During March 2013** table at the end of this report.

The sampling results are accessible from the *Environmental Dashboard* which can be accessed from the HLAN at (<http://environet.hanford.gov/eda/>).

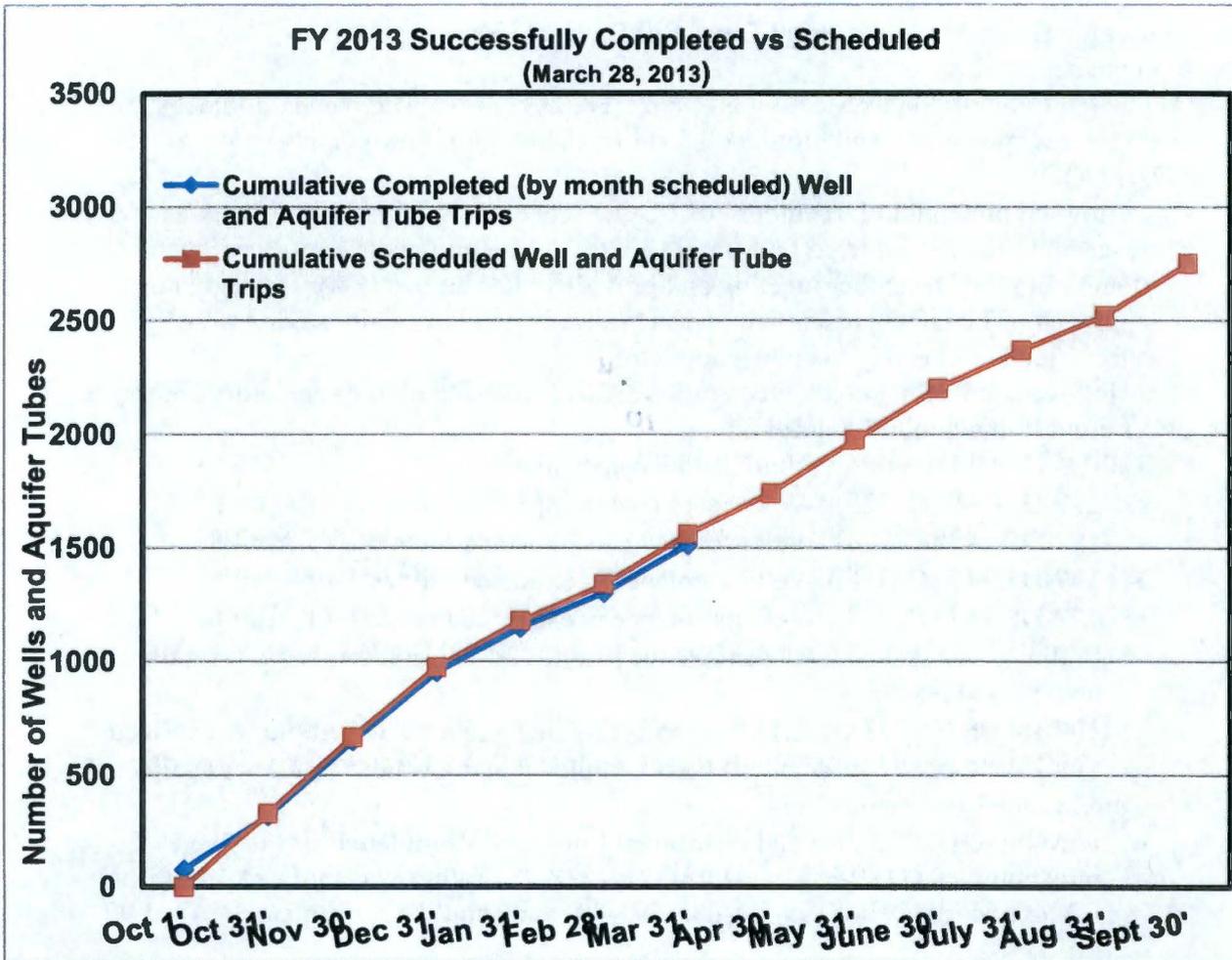


Figure 1- Sample Collection versus Plan for 2013

General Information on Annual Reports

The 2012 Annual Groundwater Monitoring and the 2012 Annual Pump-and-Treat reports are in progress.

100-FR-3 Groundwater Operable Unit – Phil Burke / Mary Hartman

(M-015-64-T01, 12/17/2011, Submit CERCLA RI/FS Report and Proposed Plan for the 100-FR-1, 100-FR-2, 100-FR-3, 100-IU-2, and 100-IU-6 Operable Units for groundwater and soil.)

Schedule Status – Completed on December 20, 2012.

- CERCLA Process Implementation:
 - RI/FS & PP: The Draft A documents were transmitted on December 20, 2012.

100/300 Areas Unit Managers Meeting
April 11, 2013

- EPA Review comments on the Draft A were received on March 4, 2013.
- The Project Team met with EPA on March 21 and 22, 2013 to discuss the comments. Resolution was reached on approximately half of the comments and a path forward established for the remaining comments.
- The Team is in the process of revising the RI/FS and PP to address EPA comments, updating the IRIS values and adding recently completed waste sites.
- **Monitoring and Reporting:**
 - Annual sampling of wells and aquifer tubes was previously completed and data reported. Three wells scheduled for semiannual sampling were sampled in March.

100-HR-3 Groundwater Operable Unit – Bert Day / Bill Barrett / Kris Ivanson

- **Project Management**
 - Conducted Ecology Status Meeting on March 28, 2013; reviewed current project status over the previous month and provided a list of existing monitoring plans.
 - 183-H DQO:
 - Follow-up meeting to December 2012 DQO scheduled for March 6, 2013 was rescheduled and conducted on March 13, 2013. Meeting agenda resolved open action items from the December meeting and provided the framework for the regulatory approach. The DQO presentation was reviewed and clarifications/edits were agreed/made. The DQO is now complete.
 - A follow-up meeting, conducted April 13, 2013, focused on the regulatory approach.
 - WCH Field Remediation Integration:
 - 100-D/H Well Decommissioning and Replacement
 - 199-D5-145 (C8725): Well acceptance is expected the week of April 8.
 - 199-D5-148 (C8728): Well acceptance is expected the week of April 8.
 - 199-D5-146 (C8726): Well acceptance is expected the week of April 8.
 - 199-D5-147 (C8727): Well acceptance is expected the week of April 8.
 - Preliminary results have been received from 100-D Replacement wells with no unexpected results. .
 - 199-H4-85 (C8723): Well has been completed and a water sample was collected.
 - 199-H4-86 (C8724): Well has been completed and a water sample was collected.
 - Conveyance Line Relocation
 - Reroute of HDPE lines and instrument lines were completed for the five HX injection wells (199-H6-2, H4-18, -71, -72, -73). Work was initiated on the three HX extraction wells (199-H4-63, -69, -70) and should be complete by April 9, 2013.
- **CERCLA Process Implementation:**
 - RI/FS & PP
 - Received Ecology comments on March 13, 2013 (13-NWP-025); coordinating with Ecology to bin and prioritize comments and coordinate comment resolution schedule.
 - Interim Action RD/RAWP & Monitoring Plan
 - DQO problem statements and principle study questions drafted and initially discussed with RL. Addressing associated data needs for each principle study question.
- **Remedial Actions:**
 - Operations continue at DX and HX pump-and treat system. March 2013 performance:
 - The systems treated 49.4 million gallons
 - The system removed 33.4 kg of hexavalent chromium
- **Monitoring & Reporting**

**100/300 Areas Unit Managers Meeting
April 11, 2013**

- Uranium levels in Well 199-H4-3 dropped to 16.6 µg/L in January. The last sample from Well 199-H4-12A was above permit limits, but it is anticipated that concentration will drop based on the results from 199-H4-3. Both wells are part of the RCRA monitoring program.
- Well 199-H4-3 was decommissioned following receipt of a Temporary Authorization to replace the well with 199-H4-84 in the RCRA permit.
- Uranium concentrations in 199-H4-84 were below the RCRA permit limits in February.
- Wells that have been off of the Well Access List due to concerns from exceeding the lower explosive levels will be sampled during the next two weeks. A safe method of sampling has been identified.
- Well Realignment:
 - Tie-in for both mechanical and electrical on wells 199-D8-53 and 199-D8-68 were completed in March, and operations are now preparing an OTP package to test the wells and bring them on line into the DX system. The addition of these wells to the DX system will improve the hydraulic containment of the plume and protect the Columbia River.
 - Injection Well 199-H4-14 has been shut off and work to remove the piping was initiated in March and should be completed during the week of April 8, 2013. The injection well will be decommissioned in order to allow for ongoing WCH remediation activity.

100-NR-2 Groundwater Operable Unit – Marty Doornbos / Virginia Rohay

(M-015-62-T01, 9/17/2012, Submit a Feasibility Study [FS] Report and Proposed Plan [PP] for the 100-NR-1 and 100-NR-2 Operable Units including groundwater and soil.)

Schedule Status – Tentative agreement has been reached to change the TPA milestone to June 30, 2013 for delivery of the 100-NR-2 OU Draft A RI/FS Report and Proposed Plan to Ecology.

- CERCLA Process Implementation
 - RL's comments on the decisional draft RI/FS report and proposed plan were received by April 1, 2013. Comment resolution/incorporation is underway with the documents on schedule to be provided to Ecology for their review by June 28, 2013.
- Apatite PRB Performance Monitoring
 - The Fall 2012 concentrations, and the percent reduction in strontium-90 concentration based on comparison of the Fall 2012 concentrations to the maximum baseline concentrations, are provided in Table 1 (no change from previous month).
 - The next sampling events at the Apatite PRB are anticipated for May 2013.
- 100-NR-2 Monitoring
 - As of March 28, 2013, samples have been collected at all 20 wells scheduled for sampling in March 2013.
- RCRA Monitoring
 - The wells at RCRA sites 116-N-1, 120-N-1, and 116-N-3 were sampled in March 2013. The next sampling events at these sites are scheduled for September 2013.
- 100-N aquifer tubes
 - Four tubes (N116mArray-3A, N116mArray-4A, N116mArray-6A, and NVP2-116.0) are sampled monthly. The March sampling event occurred on March 26, 2013.
 - As of March 28, 2013, samples have been collected at 25 of the 30 tubes scheduled for sampling in March 2013. One tube could not be sampled because it was decommissioned.
 - Samples collected from aquifer tubes C7935 and C7936 on 12/11/12 contained concentrations of tritium (29,000 pCi/L and 25,000 pCi/L, respectively) that exceeded the drinking water standard (20,000 pCi/L). These two tubes are the mid-depth and deep tubes in a cluster of three near the reactor building. The tritium concentration did not

**100/300 Areas Unit Managers Meeting
April 11, 2013**

exceed the DWS in the shallow tube. Laboratory reanalysis confirmed the elevated December 2012 results. The two tubes were re-sampled on 03/25/13 as part of the evaluation of the concentration increase.

Table 1. Performance Monitoring at the Apatite Permeable Reactive Barrier, 100-NR-2 OU				
Upstream Apatite PRB				
	199-N-96A	199-N-347	199-N-348	199-N-349
Baseline (maximum)	37.9	7.0	1800.0	230.0
Sr-90 Concentration (pCi/L) Fall 2012	4.6	10.0	88.0	50.0
Percent Reduction ^a	88	-43	95	78
Central (Original) Apatite PRB				
	199-N-122	199-N-123	199-N-146	199-N-147
Baseline (maximum)	4530.0	1180.0	985.0	1842.0
Sr-90 Concentration (pCi/L) Fall 2012	900.0	230.0	330.0	300.0
Percent Reduction ^a	81	81	66	84
Downstream Apatite PRB				
	199-N-350	199-N-351	199-N-352	199-N-353
Baseline (maximum)	240.0	350.0	580.0	83.0
Sr-90 Concentration (pCi/L) Fall 2012	26.0	29.0	29.0	3.4 U
Percent Reduction ^a	89	92	95	100
a – Percent reduction in Sr-90 concentration from maximum baseline to Fall 2012				

100-KR-4 Groundwater Operable Unit – Bert Day / Bill Barrett / Chuck Miller

- Project Management
 - Conducted EPA status meeting on April 10, 2013; reviewed current project status over the previous month. .
- CERCLA Process Implementation:
 - RI/FS and Proposed Plan: Production of both documents is on hold until path forward is agreed to by RL and EPA.
 - Monitoring Plan: Progress continues on development of the consolidated groundwater monitoring plan for 100-KR-4 OU.
 - Remedial Design/Remedial Action Work Plan: Work is underway on preparation of a revised, consolidated RD/RAWP for the 100-KR-4 OU interim groundwater remedial action.
- Remedial Actions:
 - Operations continue at KX, KR4, and KW pump-and-treat systems. March 2013 performance:
 - The systems treated 46.6 million gallons.
 - The system removed 4.95 kg of hexavalent chromium
- SIR-700 IX Resin
 - A test to extend the life of the SIR-700 IX resin was performed at KX February 25 to February 28, 2013 and March 11 to March 14, 2013. Prior to the test, KX influent hex. chrome concentration was ~29 ppb with lead vessel effluent concentrations as high as 9

**100/300 Areas Unit Managers Meeting
April 11, 2013**

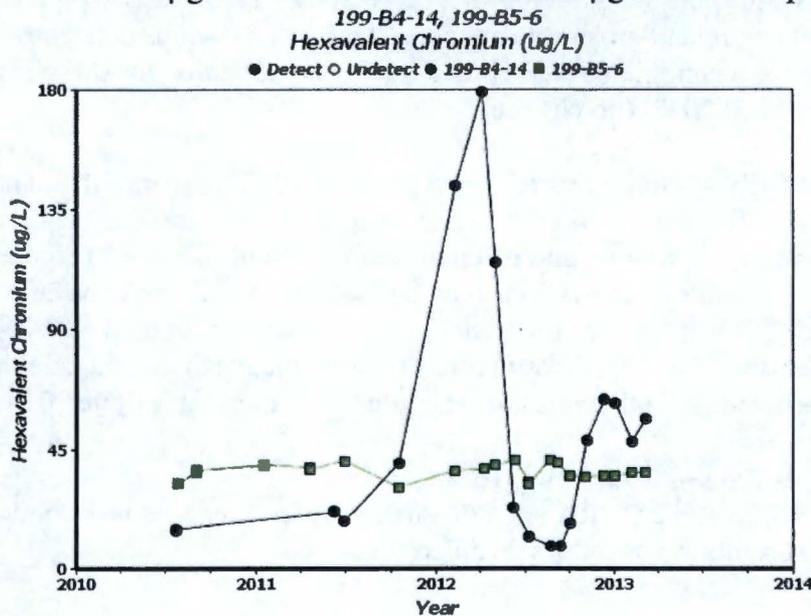
ppb. Following the test, influent concentrations remain constant and lead vessel effluent concentrations have decreased to below detection limits of field sampling instruments.

100-BC-5 Groundwater Operable Unit – Phil Burke/ Mary Hartman

(M-015-68-T01, 11/30/2011, Submit CERCLA RI/FS Report and Proposed Plan for the 100-BC-1, 100-BC-2 and 100-BC-5 Operable Units for groundwater and soil.)

Schedule Status – Missed. The planned delivery date for the 100-BC Draft A RI/FS Report to the regulators is under discussion between the Tri-Parties (see below).

- CERCLA Process Implementation:
 - Work Plan and SAP Updates: RL submitted both Work Plan and SAP TPA-CN on January 28, 2013. EPA provided comments on March 8, 2013. A conference call was conducted with EPA on March 26, 2013 to discuss the comments and the path forward for the Work Plan and SAP addendums. The Team is revising the documents and will resubmit a revised redlined version the week of April 15, 2013.
 -
- Monitoring & Reporting
 - Monthly wells 199-B4-14 and 199-B5-6 were sampled in March. Cr(VI) concentrations were 57 µg/L in the shallow well and 36 µg/L in the deep well.



300-FF-5 Groundwater Operable Unit – Marty Doornbos/Virginia Rohay

- RI/FS report (DOE/RL-2010-99) Draft A delivered to EPA and Ecology on December 27, 2011.
 - The RI/FS report has been finalized as Rev 0. Based on input and concurrence from EPA and DOE-RL, a decisional draft Addendum has been prepared that includes an additional remedial alternative for the uranium contaminated groundwater and updates the PRGs based upon the latest EPA toxicity information. The decisional draft RI/FS Addendum is in RL review.
- Proposed Plan (DOE/RL-2011-47) Draft A delivered to EPA and Ecology on December 27, 2011.
 - The draft Rev. 0 Proposed Plan was provided to RL and EPA for final checking on November 8, 2012. The Proposed Plan is being revised based on additional comments

**100/300 Areas Unit Managers Meeting
April 11, 2013**

from EPA legal that were received in January and February 2013, and to incorporate the additional information from the RIFS Addendum.

- The public comment period has been tentatively identified for June 2013.

- The 300-FF-5 Groundwater OU includes the groundwater impacted by releases from waste sites associated with three geographic subregions: 300 Area Industrial Complex, 618-11 Burial Ground, and 618-10 Burial Ground/316-4 Cribs. Principal controlling documents are:
 - 300-FF-5 OU operations and maintenance plan (DOE-RL-95-73, Rev. 1, 2002)
 - 300-FF-5 OU sampling and analysis plan (DOE/RL-2002-11, Rev. 2, 2008)
 - 300 Area RI/FS work plan (DOE/RL-2009-30, Rev. 0, 2010)
 - 300 Area RI/FS sampling and analysis plan (DOE/RL-2009-45, Rev. 0, 2010).

- 300 Area Industrial Complex —As of March 28, 2013, samples have been collected at 42 of the 43 wells scheduled for sampling in March 2013. One temporary remedial investigation well (399-1-63) could not be sampled because it did not contain sufficient water.

- 618-11 Burial Ground — Tritium, nitrate, and gross beta results for the sample collected on October 18, 2012 at well 699-13-3A, next to the eastern fence line of the Burial Ground, are consistent with previous concentrations (Figure 300FF5-1). Well 699-13-3A was sampled on January 23, 2013; results for tritium and gross beta are consistent with previous concentrations; the sample was not analyzed for technetium-99. Well 699-13-3A is scheduled for sampling for tritium and technetium-99 in April 2013. (no change)

- 618-10 Burial Ground/316-4 Crib — Groundwater data from June 2012, January 2013, and February 2013 at well 699-S6-E4L near the 618-10 Burial Ground showed increased concentrations of uranium and of magnesium and calcium (common soil fixatives) (Figure 300FF5-2). The increases in uranium concentrations may be associated with the excavation activities that began in March 2011 at some of the trenches in the burial ground. Well 699-S6-E4K also was sampled on February 26, 2013. Results for uranium, magnesium, and calcium were consistent with previous results. Both wells are scheduled for sampling in June 2013.

- RCRA Monitoring – 300 Area Process Trenches (316-5)
 - The March 2013 sampling at the RCRA site 300 Area Process Trenches was conducted on 03/06/13. The next sampling event is scheduled for June 2013.

- 300 Area Aquifer Tubes
 - Twenty-two 300-FF-5 aquifer tubes were sampled as scheduled in March 2013.

**100/300 Areas Unit Managers Meeting
April 11, 2013**

Figure 300FF5-1. Technetium-99 and Gross Beta Trends (through October 18, 2012) at Well 699-13-3A at the 618-11 Burial Ground.

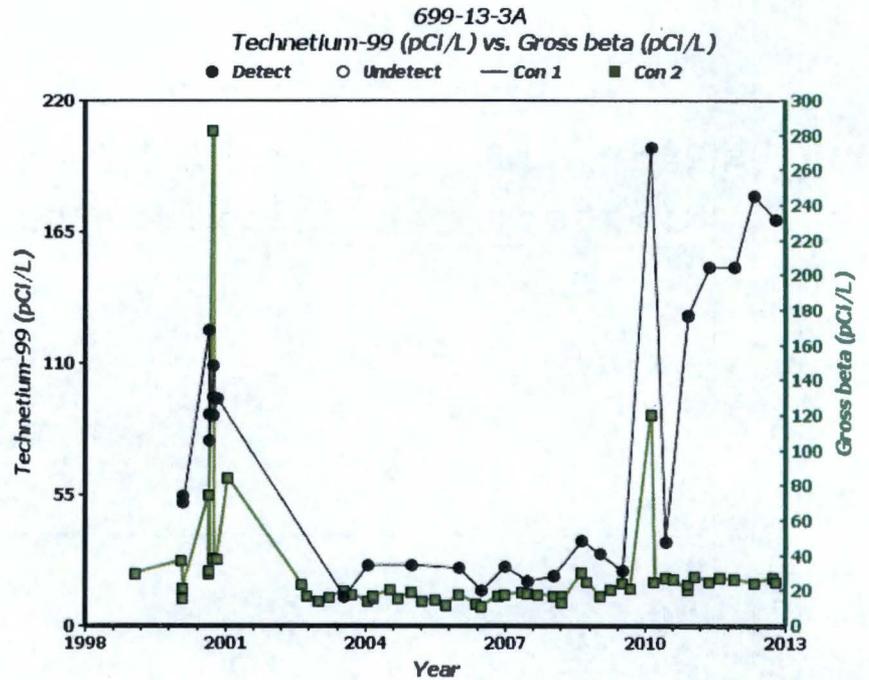
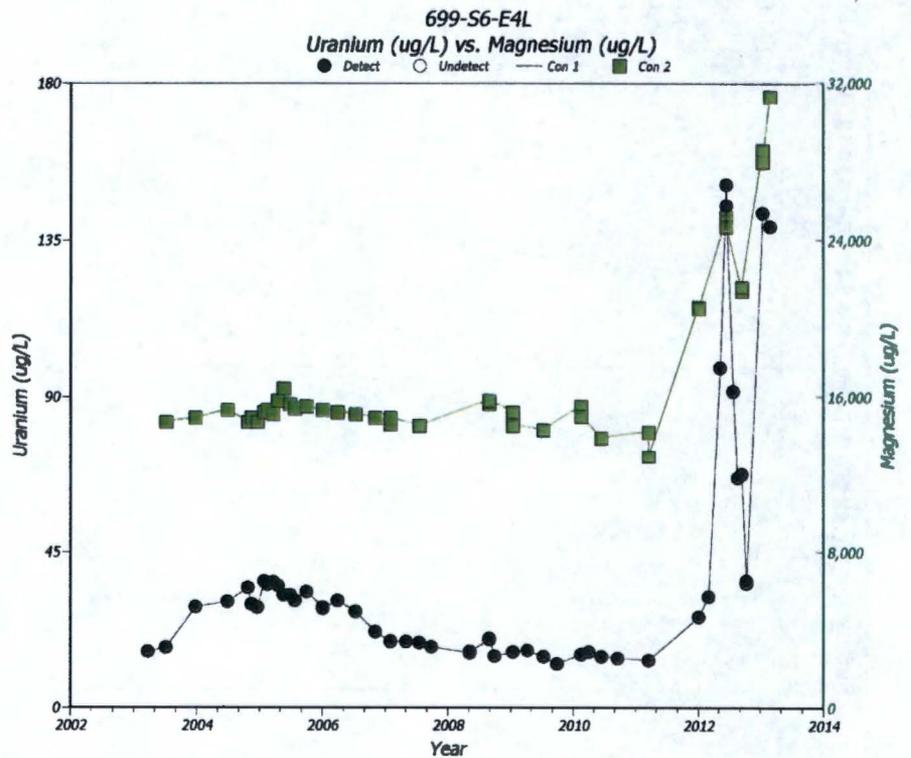


Figure 300FF5-2. Uranium and Magnesium Trends (through February 26, 2013) at Well 699-S6-E4L at the 618-10 Burial Ground.



**100/300 Areas Unit Managers Meeting
April 11, 2013**

Summary of Wells & Aquifer Tubes Sampled in the River Corridor Areas During March 2013

Week	100-BC	100-K	100-N	100-D/H	100-F	300 Area
02-08 Mar 13	199-B4-14 199-B5-6		199-N-72 199-N-71 199-N-165 199-K-150 199-N-73 199-N-77	199-D5-104 199-D5-97 199-H4-84 199-H4-48 199-H4-3 199-H4-9		AT-3-3-S AT-3-3-M AT-3-3-D AT-3-2-M AT-3-1-M AT-3-4-D AT-3-4-M AT-3-4-S C6344 C6343 C6342 C6341 399-1-16A C6348 C6351 399-1-18A 399-1-18B 399-1-17B 399-1-16B C6347 399-1-10B 399-1-10A C6350 AT-3-5-S 399-1-17A AT-3-7-D AT-3-6-D AT-3-6-S AT-3-7-M
09-15 Mar 13			199-N-81 199-N-57 199-N-3 199-N-34 199-N-41 199-N-28 199-N-74 199-N-32 199-N-2 NVP2-116.3 NVP1-4 NVP1-5 NVP1-3	199-H4-7	199-F5-48 199-F5-55 199-F5-56	399-4-9

**100/300 Areas Unit Managers Meeting
April 11, 2013**

Summary of Wells & Aquifer Tubes Sampled in the River Corridor Areas During March 2013

Week	100-BC	100-K	100-N	100-D/H	100-F	300 Area
			NVP2-115.1 NVP2-115.7 NVP2-115.4			
16-22 Mar 13			N116mArray-15A 199-N-105A N116mArray-9A N116mArray-11A N116mArray-8A N116mArray-10A C7881 N116mArray-2A N116mArray-8.5A N116mArray-1A N116mArray-13A C6132 N116mArray-0A	199-H4-7 Unsuccessful 199-D8-73 199-H4-9		
23-28 Mar 13			C7935 C7936 NVP2-116.0 N116mArray-6A N116mArray-3A N116mArray-4A	199-D5-143 199-H4-7 199-D5-15 199-D5-123 199-D5-16		

Attachment 2

April 11, 2013 Unit Manager's Meeting
Field Remediation Status

100-B/C

- Completed load-out of additional material from failed in-process sampling beneath former SPA 34
- Contractor demobilization initiated
- Place 100-C-7:1 project site in safe configuration

100-D

- Continued remediation and layback removal at 100-D-100
- Continued remediation and layback removal at 100-D-30/104.
- Completed backfill of 100-D-50:6
- Completed additional remediation and re-sampling at 100-D-77
- Completed load-out of 100-D-78 and 100-D-77 staging piles

100-H

- Continued excavation/remediation field activities at 100-H-46
- Initiated 100-H electrical reroute field activities
- Continued 100-H well replacement campaign and groundwater pump and treat reroute activities

100-K

- Determine future remediation needs at 100-K-87 and 100-K-95 due to failed sample results
- Remaining sites (sample results favorable) placed in safe configuration to support contractor demobilization
- Review sites for future backfill material needs

100-N

- Initiated remediation of 100-N-93
- Initiated remediated of a segment of 100-N-84:6
- Initiated additional scrape of South Stockpile Area to complete 12" removal.
- Continued remediation of 100-N-79
- Continued excavation and load-out of 124-N-2 plume
- Completed excavation and load-out of 130-N-1 plume
- Continued system operations for in-situ bioremediation system for UPR-100-N-17, deep vadose zone remediation
- Continued preparation of closure documents and conducting verification sampling

616-10 Trench Remediation

- Both drum penetration facilities were returned to service
- Resumption of limited waste load-out activities
- Preparation for transition of site to a Hazcat 3 facility

100-IU-2/6

- Excavation & load-out complete at 600-298, 600-299, 600-300:1, 600-300:11, 600-303, 600-316, 600-318, 600-320:9, 600-321 and 600-328
- Sample results pending at 600-293, 600-294, 600-368 and 600-320:3
- Continue excavation and load-out at 600-369:3 and :6

Attachment 3

Activity ID	Activity Name	TPA	% Cmpl	RD	Start	Finish	A		M		J		J		A		S		O
							0	1	2	0	1	2	0	1	2	0	1	2	0

100-K-84 Red Soil Sw. of 118-K-1

Final Project Closeout

RK084D12	Data Validation - 100-K-84	Y	20%	10	25-Mar-13 A	23-Apr-13
RK084D13	Prepare Calculations(UCL, DQA, HQ, act.) - 100-K-84	Y	0%	12	24-Apr-13	14-May-13
RK084D14	Prepare Internal Closure Document - 100-K-84	Y	0%	8	15-May-13	29-May-13
RK084D15	Format/Tech Edit 100-K--100-K-84	Y	0%	3	30-May-13	04-Jun-13
RK084D16	Internal Review - 100-K-84	Y	0%	4	05-Jun-13	11-Jun-13
RK084D17	Incorporate Internal Review Comments - 100-K-84	Y	0%	4	12-Jun-13	18-Jun-13
RK084D18	Final Format/Tech Edit/Internal Sigs - 100-K-84	Y	0%	6	19-Jun-13	27-Jun-13
RK084D19	RL/Reg Review Draft A Closure Document for - 100-K-84	Y	0%	26	01-Jul-13	14-Aug-13
RK084D20	Resolve Draft A Comments - 100-K-84	Y	0%	16	15-Aug-13	12-Sep-13
RK084D21	RL/Reg Sign Rev. 0 Closure Document for - 100-K-84	Y	0%	4	16-Sep-13	19-Sep-13
RK084D22	Prepare Rev. 0 Letter/Signatures - 100-K-84	Y	0%	4	23-Sep-13	26-Sep-13
RK084D23	Issue Rev. 0 Closure Document - 100-K-84	Y	0%	2	30-Sep-13	01-Oct-13

100-K-86 - Stained Areas

Backfill

RK086C	Backfill - 100-K-86 (134 BCMs)	Y	0%	1	01-Jul-13*	01-Jul-13
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Final Project Closeout

RK086D12	Data Validation - 100-K-86	Y	20%	10	25-Mar-13 A	23-Apr-13
RK086D13	Prepare Calculations(UCL, DQA, HQ, act.) - 100-K-86	Y	0%	12	24-Apr-13	14-May-13
RK086D14	Prepare Internal Closure Document - 100-K-86	Y	0%	8	15-May-13	29-May-13
RK086D15	Format/Tech Edit 100-K--100-K-86	Y	0%	3	30-May-13	04-Jun-13
RK086D16	Internal Review - 100-K-86	Y	0%	4	05-Jun-13	11-Jun-13
RK086D17	Incorporate Internal Review Comments - 100-K-86	Y	0%	4	12-Jun-13	18-Jun-13
RK086D18	Final Format/Tech Edit/Internal Sigs - 100-K-86	Y	0%	6	19-Jun-13	27-Jun-13
RK086D19	RL/Reg Review Draft A Closure Document for - 100-K-86	Y	0%	26	01-Jul-13	14-Aug-13
RK086D20	Resolve Draft A Comments - 100-K-86	Y	0%	16	15-Aug-13	12-Sep-13
RK086D21	RL/Reg Sign Rev. 0 Closure Document for - 100-K-86	Y	0%	4	16-Sep-13	19-Sep-13
RK086D22	Prepare Rev. 0 Letter/Signatures - 100-K-86	Y	0%	4	23-Sep-13	26-Sep-13
RK086D23	Issue Rev. 0 Closure Document - 100-K-86	Y	0%	2	30-Sep-13	01-Oct-13

100-K-87 Asbestos

Excavation

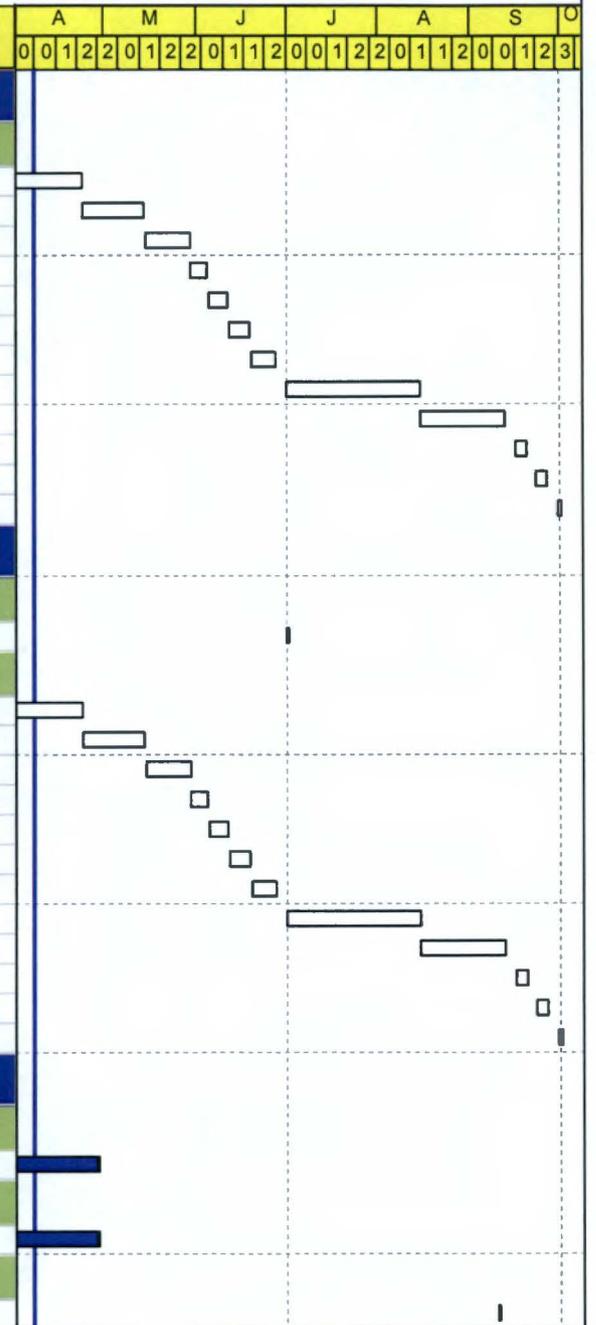
RK087A	Excavation - 100-K-87 (0.5 BCMs)	Y	99%	13	25-Feb-13 A	29-Apr-13
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Loadout

RK087B	Loadout - 100-K-87 (1.1 USTs)	Y	99%	13	25-Feb-13 A	29-Apr-13
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Backfill

RK087C	Backfill - 100-K-87 (0.48 BCMs)	Y	0%	1	10-Sep-13*	10-Sep-13
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Activity ID	Activity Name	TPA	% Cmpl	RD	Start	Finish	A		M		J		J		A		S		O
							0	1	2	0	1	2	0	1	1	2	0	1	2

Final Project Closeout

RK087D10	Verification Closeout Samples - 100-K-87	Y	40%	8	14-Mar-13 A	18-Apr-13
RK087D11	Lab Analysis 100-K-87	Y	0%	26	22-Apr-13	05-Jun-13
RK087D12	Data Validation - 100-K-87	Y	0%	15	06-Jun-13	02-Jul-13
RK087D13	Prepare Calculations(UCL, DQA, HQ, act.) - 100-K-87	Y	0%	12	03-Jul-13	24-Jul-13
RK087D14	Prepare Internal Closure Document - 100-K-87	Y	0%	8	25-Jul-13	07-Aug-13
RK087D15	Format/Tech Edit 100-K--100-K-87	Y	0%	3	08-Aug-13	13-Aug-13
RK087D16	Internal Review - 100-K-87	Y	0%	4	14-Aug-13	20-Aug-13
RK087D17	Incorporate Internal Review Comments - 100-K-87	Y	0%	4	21-Aug-13	27-Aug-13
RK087D18	Final Format/Tech Edit/Internal Sigs - 100-K-87	Y	0%	6	28-Aug-13	09-Sep-13
RK087D19	RL/Reg Review Draft A Closure Document for - 100-K-87	Y	0%	26	10-Sep-13	23-Oct-13

100-K-91 - Battery

Final Project Closeout

RK091D12	Data Validation - 100-K-91	Y	20%	10	25-Mar-13 A	23-Apr-13
RK091D13	Prepare Calculations(UCL, DQA, HQ, act.) - 100-K-91	Y	0%	12	24-Apr-13	14-May-13
RK091D14	Prepare Internal Closure Document - 100-K-91	Y	0%	8	15-May-13	29-May-13
RK091D15	Format/Tech Edit 100-K--100-K-91	Y	0%	3	30-May-13	04-Jun-13
RK091D16	Internal Review - 100-K-91	Y	0%	4	05-Jun-13	11-Jun-13
RK091D17	Incorporate Internal Review Comments - 100-K-91	Y	0%	4	12-Jun-13	18-Jun-13
RK091D18	Final Format/Tech Edit/Internal Sigs - 100-K-91	Y	0%	6	19-Jun-13	27-Jun-13
RK091D19	RL/Reg Review Draft A Closure Document for - 100-K-91	Y	0%	26	01-Jul-13	14-Aug-13
RK091D20	Resolve Draft A Comments - 100-K-91	Y	0%	16	15-Aug-13	12-Sep-13
RK091D21	RL/Reg Sign Rev. 0 Closure Document for - 100-K-91	Y	0%	4	16-Sep-13	19-Sep-13
RK091D22	Prepare Rev. 0 Letter/Signatures - 100-K-91	Y	0%	4	23-Sep-13	26-Sep-13
RK091D23	Issue Rev. 0 Closure Document - 100-K-91	Y	0%	2	30-Sep-13	01-Oct-13

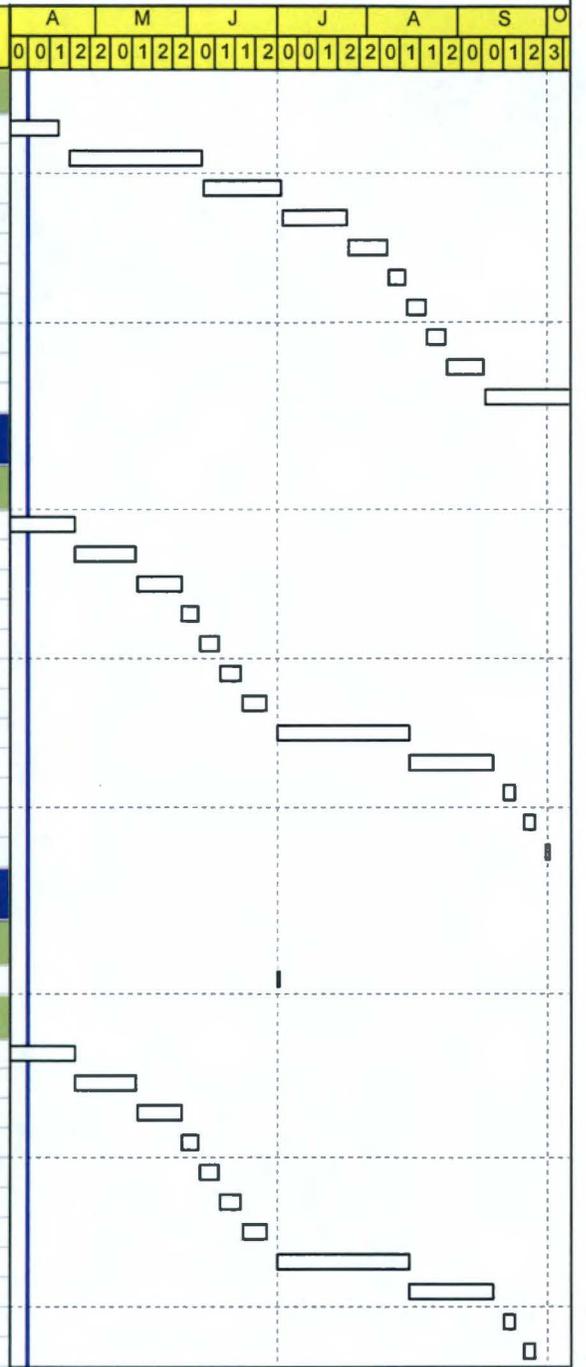
100-K-92 - Reddish Stained Gravels

Backfill

RK092C	Backfill - 100-K-92 (7 BCMs)	Y	0%	1	01-Jul-13*	01-Jul-13
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Final Project Closeout

RK092D12	Data Validation - 100-K-92	Y	20%	10	25-Mar-13 A	23-Apr-13
RK092D13	Prepare Calculations(UCL, DQA, HQ, act.) - 100-K-92	Y	0%	12	24-Apr-13	14-May-13
RK092D14	Prepare Internal Closure Document - 100-K-92	Y	0%	8	15-May-13	29-May-13
RK092D15	Format/Tech Edit 100-K-92	Y	0%	3	30-May-13	04-Jun-13
RK092D16	Internal Review - 100-K-92	Y	0%	4	05-Jun-13	11-Jun-13
RK092D17	Incorporate Internal Review Comments - 100-K-92	Y	0%	4	12-Jun-13	18-Jun-13
RK092D18	Final Format/Tech Edit/Internal Sigs - 100-K-92	Y	0%	6	19-Jun-13	27-Jun-13
RK092D19	RL/Reg Review Draft A Closure Document for - 100-K-92	Y	0%	26	01-Jul-13	14-Aug-13
RK092D20	Resolve Draft A Comments - 100-K-92	Y	0%	16	15-Aug-13	12-Sep-13
RK092D21	RL/Reg Sign Rev. 0 Closure Document for - 100-K-92	Y	0%	4	16-Sep-13	19-Sep-13
RK092D22	Prepare Rev. 0 Letter/Signatures - 100-K-92	Y	0%	4	23-Sep-13	26-Sep-13



▬ Current Bar Labels ■ % Complete ◆ ◆

Attachment 4

100K Area Unit Managers Meeting Status
April 11, 2013

RL-0012 Sludge Treatment Project

TPA Milestone M-016-173, *K Basin Sludge Treatment and Packaging Technology Selection* (3/31/15)

- No change in status.

TPA Milestone M-016-174, *Complete Final Design of Sludge Retrieval and Transfer System* (9/30/13)

- The draft ECRTS Remedial Design Report will be provided to EPA for review and comment in May.
- Resolution of DOE comments from the in-process review of the ECRTS Preliminary Documented Safety Analysis was initiated.
- The Critical Decision 2/3 ECRTS process design package is forecast for submittal to RL in June.

TPA Milestone M-016-175, *Begin Sludge Removal from 105-KW Fuel Storage Basin* (9/30/14)

- Construction work on the 105-KW Annex was suspended 03/05/13 due to sequestration funding reductions. Planning for restart of construction in FY 2014 has begun.
- Preparation continues for the Integrated Process Optimization Demonstration at MASF.
- Cold Vacuum Drying Facility has been downgraded from a Hazard Category 2 Facility to a less than Hazard Category 3 Facility.

TPA Milestone M-016-176, *Complete Sludge Removal from 105-KW Fuel Storage Basin* (12/31/15)

- No change in status.

TPA Milestone M-016-178, *Initiate Deactivation of 105-KW Fuel Storage Basin* (12/31/15)

- No change in status.

RL-0041 K Facility Demolition and Soil Remediation

TPA Milestone M-016-143, *Complete the Interim Response Actions for 100 K Area Phase 2* (12/31/15)

- No change in status.

TPA Milestone M-093-22, *Complete 105-KE reactor interim safe storage in accordance with the Removal Action Work Plan* (7/31/14).

- The TPA Change Package to delete this milestone and incorporate 105-KE interim safe storage into Milestone M-093-27 has been through public review and is in the comment resolution stage.

TPA Milestone M-093-26, *Initiate 105-KW reactor interim safe storage (12/31/15)*.

- The TPA Change Package to delete this milestone and establish a new milestone to develop a schedule for interim safe storage has been through public review and is in the comment resolution stage.

TPA Milestone M-093-27, *Complete 105-KW reactor interim safe storage (12/31/19)*.

- The TPA Change Package to revise this milestone to align the schedules for interim safe storage for both 105-K reactors has been through public review and is in the comment resolution stage.

Other Information

- The Sampling Instruction for characterization bore holes north of 105-KE (SGW-54226, *Sampling Instruction for Supplementary Characterization of UPR-100-K-1 and 116-KE-3 Waste Sites*), was approved by RL and EPA and subsequently issued on March 18, 2013. The Sampling Instruction was developed in support of the Integrated 100 Area RI/FS Addendum 2 (DOE/RL-2008-46-ADD2) in conjunction with the *Sampling and Analysis Plan for the 100-K Decision Unit Remedial Investigation/Feasibility Study (DOE/RL-2009-41)*. The evaluation of Data Quality Objectives is found in the *Data Quality Objectives Summary Report for the Supplementary Characterization of the UPR-100-K-1 and 116-KE-3 Waste Sites* (SGW-54219) that was issued in January.
- No demolition activities were conducted in the 100K area during March.

Attachment 5

Activity ID	Activity Name	TPA	% Cmpl	RD	Start	Finish	Gantt Chart											
							A	M	J	J	A	S	J					
600-326																		
Excavation																		
IU222640	Excavation 600-326* Cultural Hold	Y	0%	3	08-Apr-13*	10-Apr-13	[Bar]											
Loadout																		
IU222650	Loadout 600-326 (2 tons)	Y	0%	3	11-Apr-13*	16-Apr-13	[Bar]											
Closeout Sampling & Docs																		
IU222710	Closure Sampling 600-326	Y	0%	26	01-May-13	17-Jun-13	[Bar]											
Final Project Closeout																		
IU222720	Prepare Closure Document 600-326	Y	0%	83	18-Jun-13	12-Nov-13	[Bar]											
IU222730	RL/Reg Review of Draft A Closure Document 600-326	Y	0%	26	22-Aug-13	08-Oct-13	[Bar]											
600-293																		
Excavation																		
IU222920	Excavation 600-293	Y	98%	1	25-Mar-13 A	08-Apr-13	[Bar]											
Loadout																		
IU222820	Loadout 600-293	Y	98%	1	25-Mar-13 A	08-Apr-13	[Bar]											
Closeout Sampling & Docs																		
IU222880	Prepare Work Instruction 600-293	Y	0%	75	07-May-13*	18-Sep-13	[Bar]											
IU222890	RL/Reg Review of Draft A Work Instruction 600-293	Y	0%	26	26-Jun-13	12-Aug-13	[Bar]											
IU222830	RL/Reg Signature Rev.0 WI 600-293	Y	0%	4	13-Aug-13*	19-Aug-13	[Bar]											
IU222840	Closure Sampling 600-293	Y	0%	26	19-Sep-13	04-Nov-13	[Bar]											
600-294																		
Excavation																		
IU223030	Excavation 600-294	Y	98%	1	28-Mar-13 A	08-Apr-13	[Bar]											
Loadout																		
IU222930	Loadout 600-294	Y	98%	1	28-Mar-13 A	08-Apr-13	[Bar]											
Closeout Sampling & Docs																		
IU222990	Prepare Work Instruction 600-294	Y	0%	75	07-May-13*	18-Sep-13	[Bar]											
IU223000	RL/Reg Review of Draft A Work Instruction 600-294	Y	0%	26	26-Jun-13	12-Aug-13	[Bar]											
IU222940	RL/Reg Signature Rev.0 WI 600-294	Y	0%	4	13-Aug-13*	19-Aug-13	[Bar]											
IU222950	Closure Sampling 600-294	Y	0%	26	19-Sep-13	04-Nov-13	[Bar]											
Priority Misc Restoration Sites																		
Loadout																		
IU226220	Remove IU-2 MR 600-180	N	0%	10	11-Jul-13	29-Jul-13	[Bar]											
IU226230	Remove IU-2 MR 600-263	N	0%	10	11-Jul-13	29-Jul-13	[Bar]											
600-301																		
Excavation																		

Activity ID	Activity Name	TPA	% Cmpl	RD	Start	Finish	A		M		J		J		A		S		O
							0	1	2	0	1	2	0	1	2	0	1	2	
IU223140	Excavation 600-301	Y	0%	6	09-Apr-13*	17-Apr-13													
Loadout																			
IU223040	Loadout 600-301	Y	0%	5	18-Apr-13	25-Apr-13													
Closeout Sampling & Docs																			
IU223100	Prepare Work Instruction 600-301	Y	0%	75	28-May-13*	08-Oct-13													
IU223110	RL/Reg Review of Draft A Work Instruction 600-301	Y	0%	26	17-Jul-13	29-Aug-13													
IU223050	RL/Reg Signature Rev.0 WI 600-301	Y	0%	4	03-Sep-13*	09-Sep-13													
600-374																			
Excavation																			
IU224460	Excavation 600-374	Y	0%	1	29-Apr-13	29-Apr-13													
Loadout																			
IU224360	Loadout 600-374	Y	0%	1	30-Apr-13	30-Apr-13													
Closeout Sampling & Docs																			
IU224420	Prepare Work Instruction 600-374	Y	0%	75	30-May-13	10-Oct-13													
IU224430	RL/Reg Review of Draft A Work Instruction 600-374	Y	0%	26	22-Jul-13	04-Sep-13													
IU224370	RL/Reg Signature Rev.0 WI 600-374	Y	0%	4	05-Sep-13	11-Sep-13													
600-375																			
Excavation																			
IU224570	Excavation 600-375	Y	0%	2	01-May-13	02-May-13													
Loadout																			
IU224470	Loadout 600-375	Y	0%	2	06-May-13	07-May-13													
Closeout Sampling & Docs																			
IU224530	Prepare Work Instruction 600-375	Y	0%	75	06-Jun-13	17-Oct-13													
IU224540	RL/Reg Review of Draft A Work Instruction 600-375	Y	0%	26	29-Jul-13	11-Sep-13													
IU224480	RL/Reg Signature Rev.0 WI 600-375	Y	0%	4	12-Sep-13	18-Sep-13													
600-376																			
Excavation																			
IU224680	Excavation 600-376	Y	0%	1	08-May-13	08-May-13													
Loadout																			
IU224580	Loadout 600-376	Y	0%	1	09-May-13	09-May-13													
Closeout Sampling & Docs																			
IU224640	Prepare Work Instruction 600-376	Y	0%	75	11-Jun-13	22-Oct-13													
IU224650	RL/Reg Review of Draft A Work Instruction 600-376	Y	0%	26	31-Jul-13	16-Sep-13													
IU224590	RL/Reg Signature Rev.0 WI 600-376	Y	0%	4	17-Sep-13	23-Sep-13													
600-382																			
Excavation																			
IU225340	Excavation 600-382	N	0%	1	13-May-13	13-May-13													

Current Bar Labels % Complete

Activity ID	Activity Name	TPA	% Cmpl	RD	Start	Finish	Calendar																		
							A	M	J	J	A	S	S	S	S	S	S	S							
							0	1	2	0	1	2	0	1	2	0	1	2	0	1	2	0	1	2	3
IU222500	Loadout (Shoreline Review 1 Site) 600-320 (tons)	Y	98%	0	16-May-12 A	08-Apr-13																			
Backfill																									
IU221880	Backfill 600-320	Y	0%	1	06-Aug-13*	06-Aug-13																			
Final Project Closeout																									
IU221940	Prepare Closure Document 600-320	Y	0%	93	08-Apr-13	19-Sep-13																			
IU221950	RL/Reg Review of Draft A Closure Document 600-320	Y	0%	26	12-Jun-13	29-Jul-13																			
IU221960	RL/Reg Signature Rev.0 Closure Document 600-320	Y	0%	4	27-Aug-13	03-Sep-13																			
600-321																									
Backfill																									
IU221990	Backfill 600-321	Y	0%	1	07-Aug-13*	07-Aug-13																			
Closeout Sampling & Docs																									
IU222040	Closure Sampling 600-321	Y	10%	22	24-May-12 A	14-May-13																			
Final Project Closeout																									
IU222050	Prepare Closure Document 600-321	Y	0%	93	15-May-13	29-Oct-13																			
IU222060	RL/Reg Review of Draft A Closure Document 600-321	Y	0%	26	23-Jul-13	05-Sep-13																			
IU222070	RL/Reg Signature Rev.0 Closure Document 600-321	Y	0%	4	07-Oct-13	10-Oct-13																			
600-328																									
Final Project Closeout																									
IU222380	Prepare Closure Document 600-328	Y	0%	93	08-Apr-13	19-Sep-13																			
IU222390	RL/Reg Review of Draft A Closure Document 600-328	Y	0%	26	12-Jun-13	29-Jul-13																			
IU222400	RL/Reg Signature Rev.0 Closure Document 600-328	Y	0%	4	27-Aug-13	03-Sep-13																			
600-368																									
Excavation																									
IU223800	Excavation 600-368	Y	98%	1	01-Apr-13 A	08-Apr-13																			
Loadout																									
IU223700	Loadout 600-368	Y	98%	1	01-Apr-13 A	08-Apr-13																			
Closeout Sampling & Docs																									
IU223760	Prepare Work Instruction 600-368	Y	0%	75	07-May-13	18-Sep-13																			
IU223770	RL/Reg Review of Draft A Work Instruction 600-368	Y	0%	26	26-Jun-13	12-Aug-13																			
IU223710	RL/Reg Signature Rev.0 WI 600-368	Y	0%	4	13-Aug-13	19-Aug-13																			
IU223720	Closure Sampling 600-368	Y	0%	26	19-Sep-13	04-Nov-13																			
600-369																									
Excavation																									
IU223910	Excavation 600-369	Y	20%	7	03-Apr-13 A	17-Apr-13																			
Loadout																									
IU223810	Loadout 600-369	Y	20%	7	03-Apr-13 A	17-Apr-13																			
Closeout Sampling & Docs																									

Current Bar Labels % Complete

Attachment 6

^WCH Document Control

From: Saueressig, Daniel G
Sent: Monday, March 25, 2013 8:22 AM
To: ^WCH Document Control
Subject: FW: REQUEST FOR APPROVAL TO RETURN UNUSED SAMPLE WASTE TO ERDF

Please provide a chron number. This email documents a regulatory approval and replaces CCN 170290.

Thanks,

Dan Saueressig
FR Environmental Project Lead
Washington Closure Hanford
521-5326

From: Guzzetti, Christopher [<mailto:Guzzetti.Christopher@epa.gov>]
Sent: Monday, March 25, 2013 8:16 AM
To: Saueressig, Daniel G
Cc: Glossbrenner, Ellwood T
Subject: RE: REQUEST FOR APPROVAL TO RETURN UNUSED SAMPLE WASTE TO ERDF

Dan,

I concur with the proposed path forward.

Christopher J. Guzzetti
Project Manager
Hanford Project Office
U.S. Environmental Protection Agency
309 Bradley Boulevard, Suite 115
Richland, WA 99352

Phone: (509) 376-9529
Fax: (509) 376-2396
Email: guzzetti.christopher@epa.gov

From: Saueressig, Daniel G [<mailto:dgsauere@wch-rcc.com>]
Sent: Monday, March 25, 2013 8:00 AM
To: Guzzetti, Christopher
Cc: Glossbrenner, Ellwood T
Subject: REQUEST FOR APPROVAL TO RETURN UNUSED SAMPLE WASTE TO ERDF

Chris, I'd like to request your approval to send 5 gallons of unused sample material (lead contaminated soil) directly from the offsite laboratory (Lionville Laboratory in Pennsylvania) to ERDF for storage. The 100 Area RDR/RAWP (Section 4.3.7, page 4-8) allows shipment of sample waste back to the waste site of origin without additional approvals, however, we'd like to send the material directly to ERDF for temporary storage until treatment of this material can be authorized by EPA and DOE.

The unused sample material originated from waste site 600-328 and has a concentration of 332 mg/L TCLP lead. This

material was sent to the lab for a treatability study and never used. The lab usually takes care of any left over sample material and we don't need to send it back to Hanford for disposal, however, this lab is closing at the end of the month and therefore we'd like to bring it back to ERDF for storage pending treatment and disposal in the near future.

Let me know if you concur and I'll let our waste group and ERDF know that return of this material for storage is authorized.

Thanks and give me a call if you have any questions.

Thanks,

Dan Saueressig
FR Environmental Project Lead
Washington Closure Hanford
521-5326

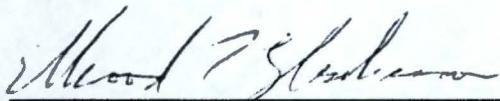
Attachment 7

**Approval to Treat 600-328 Lead Contaminated Soil Sample in
Accordance with the "TREATMENT PLAN AND
PROTOCOL FOR TREATMENT OF LEAD-
CONTAMINATED SOILS, WCH-252, Rev. 2"**

This approval applies to approximately 5 gallons of lead contaminated soil from the 600-328 waste site that was sent to the Lionville Laboratory for use in a treatability test and subsequently returned to WCH upon the lab's closure (no treatability test was performed). The waste sample is described and designated by waste profile 600328001, Rev. 0. The waste matrix consists of lead contaminated soil having 332 mg/L TCLP lead for the soil from the 600-328 waste site

The waste is similar to the material treated in "*TREATMENT PLAN AND PROTOCOL FOR TREATMENT OF LEAD-CONTAMINATED SOILS, WCH-252, Rev. 2*".

This approval allows treatment of this waste using the recipe described under Mixture 2 in Table 1, *Bench-Scale Test Results (including Results and Reduction Ratios)* of the treatment plan. The mixture treated a soil sample having a 23.6 mg/L TCLP to less than 0.034 mg/L yielding a reduction ratio of 694:1. Dividing 332 mg/L by the required treatment level of 7.5 mg/L yields a required reduction ratio of 44.3 demonstrating that treatment of the sample is well within the capability of Mixture 2. This waste may be treated in a batch with other similar wastes being treated with mixture 2.



**Ellwood T. Glossbrenner
U.S. Department of Energy**

1 April 24 13
Date



**Chris Guzzetti
U.S. Environmental Protection Agency**

4/8/13
Date

Attachment 8

Activity ID	Activity Name	% Cmpl	RD	Start	Finish	Gantt Chart																											
						A		May 2013		J		July 2013		A		S		O															
						0	0	1	2	2	0	1	2	2	0	1	1	2	0	0	1	2	2	0	1	1	2	0	0	1	2	3	
100 D																																	
Special Projects																																	
100D100A373	Well Replacement @ 100-D (REA-184) 4 wells	75%	24	12-Nov-12 A	16-May-13																												
Excavation																																	
100D100A311A	Excavate 100-D-100: Tier 3 Phase 3 (215,000 BCM)	27%	56	13-Feb-13 A	16-Jul-13																												
RD10D301AUW2	Excavate 100-D-30 Plume Excavation (244,074 BCM)	22%	62	14-Feb-13 A	25-Jul-13																												
100D100A393	Excavate Contaminated Stockpile Area (D-100 Tier 1&2 Chrome)	0%	12	12-Apr-13*	02-May-13																												
RD05509AUW	Excavate 100-D-50:7 (5,125 BCM) (stage 3)	0%	2	22-Apr-13*	24-Apr-13																												
CBB0542A	Excavate 100-D-83:5 (14,788 BCM)	0%	11	09-May-13	29-May-13																												
CBB0537A	Excavate 100-D-72 (3,506 BCM)	0%	6	30-May-13	10-Jun-13																												
CBB0541A	Excavate 100-D-83:3 (182 BCM)	0%	1	11-Jun-13	11-Jun-13																												
CBB0543A	Excavate 100-D-84:2 (634 BCM)	0%	1	11-Jun-13	11-Jun-13																												
CBB0548A	Excavate 100-D-97 (128 BCM)	0%	1	12-Jun-13	12-Jun-13																												
CBB0545A	Excavate 100-D-86:1 (5,200 BCM) **RAD**	0%	6	12-Jun-13	20-Jun-13																												
CBB0544A	Excavate 100-D-85:2 (7,000 BCM) **RAD**	0%	8	24-Jun-13	08-Jul-13																												
CBB0546A	Excavate 100-D-86:3 (1,817 BCM) **RAD**	0%	3	09-Jul-13	11-Jul-13																												
100D104A311	Excavate 100-D-104 Tier 3 Phase 2 (57,935 BCM)	0%	19	29-Jul-13	28-Aug-13																												
CBB0545AA10	Demo 100-D-86:1 (5,200 BCM) **RAD**	0%	4	16-Sep-13*	19-Sep-13																												
CBB0542A10	Demo 100-D-83:5 (14,788 BCM)	0%	16	23-Sep-13*	17-Oct-13																												
Loadout																																	
RD100D30A44	Loadout 100-D-30 (MHVs - 2,350 Tons) - ACL staged from prior subcontract	100%	0	21-Mar-13 A	02-Apr-13 A																												
100D100A407	Loadout 100-D-100 Tier 3 - Phase 1 - (MHVs - 12,600 Tons)	50%	8	28-Mar-13 A	18-Apr-13																												
100D77A342	Loadout 100-D-77 (MHVs - 795 Tons) - ACL staged from prior subcontract	100%	0	01-Apr-13 A	01-Apr-13 A																												
100D100A394	Loadout 100-D-100 Tier 1&2 Stockpile Area (35,000 Tons)	0%	18	15-Apr-13	14-May-13																												
RD05507110	Loadout 100-D-50:7 (Blue Dot Containers - 2,500 Tons)	0%	2	15-May-13	20-May-13																												
100D100A313	Loadout 100-D-100 Tier 3 (Blue Dot Cans - 85,500 Tons)	0%	68	20-May-13	19-Sep-13																												
100D100A406	Loadout 100-D-100 Tier 1&2 Stockpile Area (1,000 Tons)	0%	1	10-Jun-13*	11-Jun-13																												
100D100A372	Loadout 100-D-100 Tier 3 (LDR - 65,127 Tons)	0%	91	11-Jun-13	20-Nov-13																												
100D100A312	Loadout 100-D-100 Tier 3 (MHVs - 170,760 Tons)	0%	80	05-Sep-13	03-Feb-14																												
CBB0537B	Loadout 100-D-72 (Blue Dot Cans - 3,232 Tons)	0%	3	19-Sep-13	25-Sep-13																												
CBB0540B	Loadout 100-D-83:2 (Remediates with D-100)	0%	1	19-Sep-13	23-Sep-13																												
CBB0544B	Loadout 100-D-85:2 (RAD)	0%	0	19-Sep-13	19-Sep-13																												
CBB0546B	Loadout 100-D-86:3 (Orange Cans - 506 Tons)	0%	0	19-Sep-13	23-Sep-13*																												
CBB0541B	Loadout 100-D-83:3 (Blue Dot Containers - 174 Tons)	0%	0	25-Sep-13	25-Sep-13																												
CBB0543B	Loadout 100-D-84:2 (Blue Dot Cans - 280 Tons)	0%	0	25-Sep-13	25-Sep-13																												
CBB0548B	Loadout 100-D-97 (Blue Dot Containers - 45 Tons)	0%	0	25-Sep-13	25-Sep-13																												
CBB0545B	Loadout 100-D-86:1 (Orange Cans - 1,384 Tons)	0%	1	25-Sep-13	26-Sep-13																												
RD100D30A41	Loadout 100-D-30 Plume Loadout (Blue Dot Cans - 52,233 Tons)	0%	39	26-Sep-13	09-Dec-13																												
Backfill																																	

SPIF Bar
 Remaining Work
 Critical Remaining Work
 Actual Work
 Actual Critical Work
 Remaining Level of Effort

Data Date: 08-Apr-13

CPP 100-H - Current after FR-495 Rev 2...

Activity ID	Activity Name	% Cmpl	RD	Start	Finish	Gantt Chart																														
						A			May 2013			J			July 2013			A			S			O												
						0	0	1	2	2	0	1	2	2	0	1	2	0	0	1	2	2	0	1	2	0	0	1	2	0	0	1	2	3		
RD1506400	Backfill - 100-D-50:6 (97,100 BCM)	65%	38	08-Jan-13 A	30-May-13																															
Final Project Closeout																																				
RD15060340	Prepare Closure Document for 100-D-50:6	82%	50	06-Feb-13 A	03-Jul-13																															
Utilities (Electrical)																																				
100D100A405	Power Pole Relocation - Closeout Docs (MSA Scope)	95%	11	25-Jan-13 A	18-Apr-13																															
100 H																																				
Special Projects																																				
HB512A4	Well Replacement (100-H REA 138)	70%	4	19-Mar-13 A	11-Apr-13																															
HB512A7	Reroute Pump & Treat Lines (100-H REA 138)	65%	3	27-Mar-13 A	10-Apr-13																															
HB512A1	Power Line Relocation (100-H REA 138)	5%	14	02-Apr-13 A	30-Apr-13																															
HB512A8	Construct Access Road (100-H REA 138)	0%	2	24-Jul-13	29-Jul-13																															
HB512A3	Well Decommissioning (100-H REA 138)	0%	5	30-Jul-13	07-Aug-13																															
HB512A2	Reroute Export Water Line (100-H REA 138)	0%	47	20-Aug-13	11-Nov-13																															
HB512A9	Power Air Monitor #4 (Required for H-28:2 work)	0%	4	23-Sep-13	30-Sep-13																															
Excavation																																				
HB518A42	Relocate 100-H-28:2 Stock Pile *Interferes w/H-46* (35,000 BCM)	100%	0	28-Mar-13 A	03-Apr-13 A																															
HB518A2	Excavate 100-H-46 - Stage 2 *To Groundwater* (61,000 BCM)	17%	19	28-Mar-13 A	08-May-13																															
HB518A43	Demo 100-H-46 (Stage 2) - Dig to Groundwater	10%	20	01-Apr-13 A	09-May-13																															
HB520A	Excavate 100-H-51:2 (873 BCM)	0%	0	30-Apr-13*	30-Apr-13																															
HB516A	Excavate 100-H-43 - Power line Interference (819 BCM)	0%	2	11-Jul-13	16-Jul-13																															
HB517A	Excavate 100-H-44 (24 BCM)	0%	2	16-Jul-13	17-Jul-13																															
HB515A	Excavate 100-H-42 (33,197 BCM) **RAD**	0%	8	17-Jul-13	31-Jul-13																															
HB519A	Excavate 100-H-48 (1,300 BCM)	0%	1	17-Jul-13	18-Jul-13																															
HB521A	Excavate 100-H-52 (225 BCM)	0%	2	18-Jul-13	23-Jul-13																															
HB513A02	Excavate 100-H-28:4 Phase 2 (3,644 BCMs)	0%	4	23-Jul-13	30-Jul-13																															
HB514A	Excavate 100-H-28:5 Section A - Power Line (650 BCM)	0%	1	30-Jul-13	30-Jul-13																															
HB514A1	Excavate 100-H-28:5 Section B - All else (5,866 BCM)	0%	13	30-Jul-13	21-Aug-13																															
HB512A	Excavate 100-H-28:3 Section A - Export Water Line (5,000 BCM)	0%	2	31-Jul-13	05-Aug-13																															
HB512A5	Excavate 100-H-28:3 Section B - Power Line (12,500 BCM)	0%	5	05-Aug-13	13-Aug-13																															
HB512A6	Excavate 100-H-28:3 Section C - All Else (30,646 BCM)	0%	4	13-Aug-13	20-Aug-13																															
HB511A013	Excavate 100-H-28:2 Phase 2 - Under Power Lines (45,966 BCMs) **RAD**	0%	18	20-Aug-13	23-Sep-13																															
HB515A10	Demo 100-H-42 **RAD**	0%	8	03-Sep-13*	16-Sep-13																															
HB511A04	Excavate 100-H-28:2 Phase 2 - All Else (137,898 BCMs)	0%	55	23-Sep-13	06-Jan-14																															
HC501A10	Excavate 100-H-34 (0 BCM)	0%	1	01-Oct-13*	01-Oct-13																															
Loadout																																				
HB520B	Loadout 100-H-51:2 (Direct Load - 336 Tons)	0%	0	30-Apr-13	30-Apr-13																															
HB518B3	Loadout 100-H-46 (Blue Dot Containers - 10,749 Tons)	0%	9	01-May-13*	15-May-13																															
HB518B2	Loadout 100-H-46 (LDR - 11,900 Tons)	0%	17	09-May-13	10-Jun-13																															

SPIF Bar
 Remaining Work
 Critical Remaining Work
 Actual Work
 Actual Critical Work
 Remaining Level of Effort

Data Date: 08-Apr-13

CPP 100-H - Current after FR-495 Rev 2...

Attachment 9

100 Area D4/ISS Status

April 11, 2013

100-N

1904-N Sanitary Sewer Lagoon and Lift Station No. 1 – Mixing of remaining sludge with soil to absorb free liquids is complete. Below grade demolition of the 1904-N continues as does loadout of debris and soil. Work activities delayed one week due to bump and roll of union represented personnel.

100-N Miscellaneous Items – Removal and disposition of miscellaneous materials and equipment from around the site continue in preparation for D4 demobilization from 100-N.

100-D

183-D Water Treatment Plant – Above grade of 183-D Headhouse is completely demolished, loadout of debris continues. Demolition of flocculation and sedimentation basins from the North to the South started on March 7. Demolition of the South Clearwell to start this week.

151-D Electrical Substation – Above grade demolition and loadout are complete. Below grade demolition is currently underway. Work activities delayed one week due to bump and roll of union represented personnel.

100-B

105-B Reactor Fuel Transfer Pit Sediment Removal – Assisting WCH Surveillance Maintenance and Utilities by supplying technical support for ongoing removal of sediment in the fuel transfer pits of the 105-B Reactor Fuel Storage Basin. Currently awaiting decision to proceed with grouting/fixing the remaining sediment in place.

105-B Reactor Washpad Annex – Demolition preparations are currently underway.

151-B Electrical Substation – Hazmat removal and asbestos abatement complete. Demolition will follow completion of 151-D.

Attachment 10

Activity ID	Activity Name	% Cmpl	RD	Start	Finish	April 2013				May 2013				June 2013				2013
						01	08	15	22	29	06	13	20	27	03	10	17	24
FY13 CPP 100-N AREA CURRENT																		
Excavation																		
NB587A	Excavation - 100-N-79 (703.12 BCM)	10%	15	04-Mar-13 A	01-May-13													
NB5A1A	Excavation - 100-N-93 (27,000 BCM)	5%	25	28-Mar-13 A	20-May-13													
NB596A	Excavation - 120-N-4 (646.86 BCM)	0%	2	29-Apr-13*	30-Apr-13													
NB599A	Excavation - 100-N-86 (1182.22 BCM)	0%	2	07-May-13	08-May-13													
NB5B1A	Excavation - 100-N-81 (690 BCM)	0%	2	09-May-13	13-May-13													
NB594A	Excavation - 100-N-99 (40.33 BCM)	0%	1	14-May-13	14-May-13													
NB5A3A	Excavation - 100-N-101 (132.36 BCM)	0%	1	15-May-13	15-May-13													
NB5092A	Excavation - 100-N-95 (2,256.59 BCM)	0%	2	16-May-13	20-May-13													
NB597A	Excavation - 628-2 (1,965.73 BCM)	0%	7	21-May-13	03-Jun-13													
NB5B2A	Excavation - 100-N-83 (20,659 BCM)	0%	28	21-May-13	10-Jul-13													
NB590A	Excavation - 100-N-91 (4.05 BCM)	0%	1	23-May-13	23-May-13													
NB591A	Excavation - 100-N-94 (51.34 BCM)	0%	1	28-May-13	28-May-13													
NB5093A	Excavation - 100-N-97 (10.09 BCM)	0%	1	29-May-13	29-May-13													
NB595A	Excavation - 100-N-100 (89.58 BCM)	0%	2	30-May-13	03-Jun-13													
NB588A	Excavation - 100-N-85 (11,594.42 BCM)	0%	35	03-Jun-13*	01-Aug-13													
NB5C8A	Excavation - 100-N-105 (909 BCM)	0%	4	03-Jun-13*	06-Jun-13													
NB5A4A	Excavation - 600-340 (132.36 BCM)	0%	1	04-Jun-13	04-Jun-13													
Loadout																		
NB578B60	Loadout - 100-N-63 AUW Quantities FY12	98%	1	20-Nov-12 A	08-Apr-13													
NB587B	Loadout - 100-N-79 (702.57 UST)	10%	15	04-Mar-13 A	01-May-13													
NB541B20	Loadout (North Pond Non-Be) - 130-N-1 (1,000 USTs)	75%	1	21-Mar-13 A	08-Apr-13													
NB5A1B	Loadout - 100-N-93 (50,000 UST)	5%	25	28-Mar-13 A	20-May-13													
NB536B20	Plume Loadout - 124-N-2 (1000 USTs)	75%	4	28-Mar-13 A	11-Apr-13													
NB596B	Loadout - 120-N-4 (1,379.16 UST)	0%	2	29-Apr-13	30-Apr-13													
NB599B	Loadout - 100-N-86 (805.42 UST)	0%	2	07-May-13	08-May-13													
NB5B1B	Loadout - 100-N-81 (1,518.0 UST)	0%	2	09-May-13	13-May-13													
NB594B	Loadout - 100-N-99 (42.1 UST)	0%	1	14-May-13	14-May-13													
NB5A3B	Loadout - 100-N-101 (220.0 UST)	0%	1	15-May-13	15-May-13													
NB5092B	Loadout - 100-N-95 (611.56 UST)	0%	2	16-May-13	20-May-13													
NB597B	Loadout - 628-2 (4,102.56 UST)	0%	7	21-May-13	03-Jun-13													
NB5B2B	Loadout - 100-N-83 (45,451 UST)	0%	28	21-May-13	10-Jul-13													
NB590B	Loadout - 100-N-91 (0.71 UST)	0%	1	23-May-13	23-May-13													
NB591B	Loadout - 100-N-94 (49.5 UST)	0%	1	28-May-13	28-May-13													
NB5093B	Loadout - 100-N-97 (5.94 UST)	0%	1	29-May-13	29-May-13													
NB595B	Loadout - 100-N-100 (49.5 UST)	0%	2	30-May-13	03-Jun-13													
NB588B	Loadout - 100-N-85 (1,848.29 UST)	0%	35	03-Jun-13*	01-Aug-13													
NB5C8B	Loadout - 100-N-105 (2,000 UST)	0%	4	03-Jun-13*	06-Jun-13													

Activity ID	Activity Name	% Cmpl	RD	Start	Finish	April 2013				May 2013				June 2013				2013
						01	08	15	22	29	06	13	20	27	03	10	17	24
NB5A4B	Loadout - 600-340 (220 UST)	0%	1	04-Jun-13	04-Jun-13													
Backfill																		
NB567C	Backfill - UPR-100-N-35 (741 BCMs)	0%	16	13-Jun-13	11-Jul-13													
NB534C	Backfill - 124-N-1 (15 BCMs)	0%	1	19-Jun-13	19-Jun-13													
NB532C	Backfill - 120-N-3 (3,915 BCMs)	0%	1	26-Jun-13	26-Jun-13													
NB529C	Backfill - 116-N-4 (4,846 BCMs)	0%	1	01-Jul-13	01-Jul-13													
NB525C11	Backfill - 100-N-61 (incl 100-N-64) AUW	0%	15	01-Jul-13*	25-Jul-13													
NB525C	Backfill - 100-N-61 (incl 100-N-64) 90,134 BCMs	0%	15	01-Jul-13*	25-Jul-13													
NB593C	Backfill - 100-N-28 (2504 BCM)	0%	2	03-Jul-13	08-Jul-13													
NB592C	Backfill - 100-N-62 (3563 BCM)	0%	2	03-Jul-13	08-Jul-13													
NB578C20	Backfill - 100-N-63 AUW	0%	5	08-Jul-13*	15-Jul-13													
NB578C10	Backfill - 100-N-63 (14,272 BCMs)	0%	5	08-Jul-13*	15-Jul-13													
NB506C	Backfill - 100-N-22 (866 BCMs)	0%	1	08-Jul-13*	08-Jul-13													
NB566C	Backfill - UPR-100-N-32 (0 BCMs)	0%	1	08-Jul-13	08-Jul-13													
NB564C	Backfill - UPR-100-N-30 (0 BCMs)	0%	1	08-Jul-13	08-Jul-13													
R120N37	Backfill - 120-N-7 (10 BCMs)	0%	1	08-Jul-13	08-Jul-13													
NB545C	Backfill - UPR-100-N-1 (0 BCMs)	0%	1	08-Jul-13	08-Jul-13													
NB521C	Backfill - 100-N-57 (4,296 BCMs)	0%	1	08-Jul-13	08-Jul-13													
NB522C	Backfill - 100-N-59 (95 BCMs)	0%	1	08-Jul-13*	08-Jul-13													
NB562C	Backfill - UPR-100-N-29 (0 BCMs)	0%	1	08-Jul-13	08-Jul-13													
NB554C	Backfill - UPR-100-N-2 (0 BCMs)	0%	1	08-Jul-13	08-Jul-13													

 Actual Work
  Milestone
  Actual Milestone
 Remaining Work
 % Complete

Data Date: 08-Apr-13

Attachment 11

TRI-PARTY AGREEMENT

Change Notice Number TPA-CN- 548	TPA CHANGE NOTICE FORM	Date: April 1, 2013
-------------------------------------	------------------------	------------------------

Document Number, Title, and Revision: DOE/RL-2005-93, Remedial Design Report/Remedial Action Work Plan for the 100-N Area, Rev. 0	Date Document Last Issued: November 2006
--------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------

Originator M.S. French (U.S. Department of Energy, Richland Operations Office [DOE]) Phone: (509) 373-9863

Description of Change:
Modify text in the *Remedial Design Report/Remedial Action Work Plan for the 100-N Area* (DOE/RL-2005-93, Rev. 0) to reflect agreements on management of roll-off containers for non-radiologically contaminated waste.

Mark S. French and Nina Menard agree that the proposed change
DOE **Lead Regulatory Agency**
 modifies an approved workplan/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*.
 Text is being modified in Section 3.1.2, Excavation, in the *Remedial Design Report/Remedial Action Work Plan for the 100-N Area*, (DOE/RL-2005-93, Rev. 0) to document agreements that have been established between DOE and Ecology on management of non-radiologically contaminated waste in roll-off containers (ERDF cans). (page 3-2)

Modified text is attached.

Note: Include affected page number(s)

Justification and Impacts of Change:
 The *Remedial Design Report/Remedial Action Work Plan for the 100-N Area* (DOE/RL-2005-93) contains outdated language regarding managing non-radioactively contaminated waste in roll-off containers. This change is consistent with the approach that is implemented at the other 100 Area sites, which are remediated in accordance with the *Remedial Design Report/Remedial Action Work Plan for the 100 Area* (DOE/RL-96-17, Revision 6).

Approvals:			
Mark S. French		<u>4/4/13</u>	<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved
DOE Project Manager		Date	
N/A			<input type="checkbox"/> Approved <input type="checkbox"/> Disapproved
EPA Project Manager		<u>4/1/13</u>	<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved
Nina M. Menard		Date	
Ecology Project Manager			

Specific Change to Document (TPA-CN-548, page 2)

Section 3.1.2, page 3-2, replace the first bullet with the following:

- Radiologically contaminated material that is above cleanup levels and within ERDF waste acceptance criteria (WCH current revision BHI-2002) will be loaded into plastic-lined roll-off containers on project haul trucks at the excavation site. Asbestos-containing material will be double bagged or put into roll-off containers that are double lined. The loaded containers will be covered (i.e., by folding and securing the liner over the load) and surveyed prior to being transported to a container transfer area facility (CTAF) using the project haul trucks. If contamination is found on a container exterior, the container will be decontaminated using standard equipment and techniques. In the unlikely event that a container cannot be decontaminated using standard methods, advanced techniques will be implemented, as necessary. Released containers will be off-loaded and staged in the CTAF until applicable shipping papers are completed. When the shipping papers have been completed, ERDF transport vehicles will enter the CTAF, pick up the full containers, and haul them to ERDF.
- Nonradiologically contaminated material above cleanup levels and within ERDF waste acceptance criteria (WCH current revision) may be loaded into plastic-lined or unlined roll-off containers as described above or may be direct loaded into material handling vehicles (e.g., dump trucks) for transportation to ERDF. Asbestos-containing material will be double bagged or put into roll-off containers that are double lined.

Attachment 12

^WCH Document Control

From: Saueressig, Daniel G
Sent: Wednesday, March 20, 2013 8:13 AM
To: ^WCH Document Control
Subject: FW: PAH laden overburden pile use acceptance

Please provide a chron number. This email documents a regulatory agreement.

Thanks,

Dan Saueressig
FR Environmental Project Lead
Washington Closure Hanford
521-5326

From: Chance, Joanne C [mailto:joanne.chance@rl.doe.gov]
Sent: Wednesday, March 20, 2013 8:09 AM
To: Elliott, Wanda; Menard, Nina; Boyd, Alicia
Cc: Saueressig, Daniel G; Howell, Theresa Q; Buckmaster, Mark A; Neath, John P
Subject: RE: PAH laden overburden pile use acceptance

All,

Thanks so much.

Joanne C. Chance
U.S. Department of Energy
Office of Assistant Manager for River and Plateau
825 Jadwin Ave / MSIN A3-04
Richland, WA 99352
(509) 376-0811

From: Elliott, Wanda (ECY) [mailto:well461@ecy.wa.gov]
Sent: Tuesday, March 19, 2013 4:40 PM
To: Saueressig, Daniel G; Chance, Joanne C; Howell, Theresa Q; Buckmaster, Mark A
Cc: Menard, Nina (ECY); Boyd, Alicia (ECY)
Subject: PAH laden overburden pile use acceptance

The WCH proposal to the use of a risk based analysis in an attempt to place PAH laden overburden material in the deep zone or within the safe storage enclosure of the 100-N reactor footprint was discussed with Ecology project management. It was determined Ecology would support soils being deposited as proposed as long as the direct exposure pathway is removed (i.e., in the deep zone or within close proximity to the reactor footprint).

Our determination was based on the analyte, the prevalence of the believed source (asphaltic material) of the contamination, and overall cost savings for all parties concerned (potentially saving

\$1,000,000.00).

If you have any questions please let me know.

Wanda Elliott

(509) 372-7904

Environmental Scientist

Nuclear Waste Program

Washington State Department of Ecology



Attachment 13

^WCH Document Control

From: Saueressig, Daniel G
Sent: Monday, April 01, 2013 2:22 PM
To: ^WCH Document Control
Subject: FW: UPR-100-N-18/20/24 SPA Agreement

Please provide a chron number. This email documents a regulatory approval.

Thanks,

Dan Saueressig
FR Environmental Project Lead
Washington Closure Hanford
521-5326

From: Chance, Joanne C [mailto:joanne.chance@rl.doe.gov]
Sent: Monday, April 01, 2013 2:04 PM
To: Capron, Jason M; Elliott, Wanda
Cc: Saueressig, Daniel G; Buckmaster, Mark A; Jakubek, Joshua E; Howell, Theresa Q; Boyd, Alicia
Subject: RE: UPR-100-N-18/20/24 SPA Agreement

Hi Jason and Wanda,

RL is in agreement, too. Thanks, Wanda!

Joanne C. Chance
U.S. Department of Energy
Office of Assistant Manager for River and Plateau
825 Jadwin Ave / MSIN A3-04
Richland, WA 99352
(509) 376-0811

From: Capron, Jason M [mailto:jmcapron@wch-rcc.com]
Sent: Friday, March 29, 2013 9:21 AM
To: Elliott, Wanda (ECY); Chance, Joanne C
Cc: Saueressig, Daniel G; Buckmaster, Mark A; Jakubek, Joshua E; Howell, Theresa Q; Boyd, Alicia
Subject: RE: UPR-100-N-18/20/24 SPA Agreement

Thank you Wanda--we'll integrate this within the RSVP as well.

Jason

From: Elliott, Wanda (ECY) [mailto:well461@ECY.WA.GOV]
Sent: Thu 3/28/2013 4:36 PM
To: Capron, Jason M; Chance, Joanne C

Cc: Saueressig, Daniel G; Buckmaster, Mark A; Jakubek, Joshua E; Howell, Theresa Q; Boyd, Alicia
Subject: RE: UPR-100-N-18/20/24 SPA Agreement

We have reviewed your proposal and considered the following:

- 1.) the staging pile was placed on an asphaltic covered parking lot which served to prevent or minimize releases of TPH (primary contaminant of concern) from the staging pile into the surrounding soils (migration was not expected)
- 2.) the emplaced soil has been removed along with one more foot of soil as required
- 3.) all contaminated components, structures, and equipment have been removed

We agree that from a possible contaminant perspective, the samples would likely fail for PAHs due to asphaltic soil contamination. Collecting and analyzing samples from soil laden with asphaltic material would prove inefficient from a cost perspective knowing that PAH failures will likely occur.

Based on the above considerations we concur with the proposal.

If you have any question please let me know.

Wanda Elliott

(509) 372-7904

Environmental Scientist

Nuclear Waste Program

Washington State Department of Ecology



From: Capron, Jason M [<mailto:jmncapron@wch-rcc.com>]
Sent: Wednesday, March 27, 2013 11:07 AM
To: Chance, Joanne C; Elliott, Wanda (ECY)
Cc: Saueressig, Daniel G; Buckmaster, Mark A; Jakubek, Joshua E; Howell, Theresa Q
Subject: UPR-100-N-18/20/24 SPA Agreement

Joanne & Wanda-

Following our discussion last week, we are requesting to close the staging pile area (SPA) north of the UPR-100-N-18/20/24 excavation based on visual demonstration that all waste has been removed, without verification sampling. This SPA received remediation waste from the UPR-100-N-18/20/24, UPR-100-N-19/21/22/23/43, and UPR-100-N-36 groups. All of these sites were soils contaminated by past petroleum product releases, and the

4/2/2013

SPA was located over the footprint of a former warehouse facility and parking area. We are in the process of removing all staged waste, along with approximately 1 foot of underlying soil.

The 100-N RDR/RAWP states that samples will be collected from SPA footprint soils and evaluated against soil cleanup levels to demonstrate RAO attainment. However, the contaminants associated with the waste soil are primarily TPH & PAHs, which would not be expected to migrate appreciably into underlying soils in the timeframe of remediation. Removal of approximately 1 foot of underlying soil should adequately address any potential for impacts from waste staging. Unfortunately, due to the former facilities and infrastructure at the SPA location (including visible residual asphalt debris), TPH & PAHs would likely be detected in any verification sampling.

With your concurrence, this staging pile area will be closed for the purposes of the 100-N RDR RAWP and 40 CFR 264.111, 264.258, and 264.280 once we have completed waste removal. We will also document the SPA footprint and closure basis (including photographs) in the eventual RSVP for the UPR-100-N-18/20/24 site group.

Thank you for discussing this with us, and please let me know if I can provide any additional information,

Jason

Attachment 14

^WCH Document Control

From: Saueressig, Daniel G
Sent: Monday, April 01, 2013 4:13 PM
To: ^WCH Document Control

Subject: FW: 100-N-23 Additional Plume Chase and Resampling Agreement:

Please provide a chron number and relate this email to CCN 170202. This email documents a regulatory approval.

Thanks,

Dan Saueressig
FR Environmental Project Lead
Washington Closure Hanford
521-5326

From: Elliott, Wanda (ECY) [mailto:well461@ECY.WA.GOV]
Sent: Wednesday, March 13, 2013 1:54 PM
To: Jakubek, Joshua E; Chance, Joanne C
Cc: Buckmaster, Mark A; Saueressig, Daniel G; Nielson, Renee J; Dobie, Chad H
Subject: RE: 100-N-23 Additional Plume Chase and Resampling Agreement:

After reviewing the data I concur with the proposed plume chase.
Thanks,

Wanda Elliott
(509) 372-7904
Environmental Scientist
Nuclear Waste Program
Washington State Department of Ecology



From: Jakubek, Joshua E [mailto:jejakube@wch-rcc.com]
Sent: Tuesday, March 12, 2013 8:05 AM
To: Elliott, Wanda (ECY); Chance, Joanne C
Cc: Buckmaster, Mark A; Saueressig, Daniel G; Nielson, Renee J; Dobie, Chad H
Subject: 100-N-23 Additional Plume Chase and Resampling Agreement:

Good morning, we received the new verification sampling data from the latest 100-N-23 plume chase. The data over the site looks good except for one location. I have attached yet another plume chase and resampling agreement for your concurrence. We have ordered up the cross tabs for the latest data and I will send that over as soon as I get it, I just wanted to get this agreement in front of you as soon as possible in hopes that we can utilize our crew before they head down to 100-N-79. Please let me know if you have any questions.

<< File: 100-N-23 additional remediation and resampling writeup (3-11-13).doc >>

Thanks,

Josh Jakubek
Washington Closure Hanford
Resident Engineer
509-942-4703

4/2/2013

Attachment 15

Activity ID	Activity Name	TPA	% Cmpl	RD	Start	Finish	A	M	J	J	A	S	J	
100-C-7 Waste Site Remediation														
Loadout														
BC502B41	100-C-7:1 Loadout	Y	100%	0	06-Nov-12 A	04-Apr-13 A								
Backfill														
BC502C41	100-C-7:1 Post C-7 Work Remaining Material New Contract	Y	0%	66	01-Aug-13*	26-Nov-13								
Closeout Sampling & Docs														
BC502D121	Closure Sampling & Analysis for 100-C-7:1 Stock Pile Areas	Y	0%	42	08-Apr-13*	19-Jun-13								
BC502D131	Prepare Closure Document for 100-C-7:1 West Sidewall / Stockpile Areas	Y	0%	89	08-Apr-13*	12-Sep-13								
BC524G76	RL/Regulator Review Draft A Closure Document for 100-C-7:1 West Sidewall	Y	0%	26	12-Jun-13	29-Jul-13								
BC524G86	RL/Regulator Sign Rev. 0 Closure Document for 100-C-7:1 West Sidewall	Y	0%	4	27-Aug-13	03-Sep-13								

Attachment 16

^WCH Document Control

From: Saueressig, Daniel G
Sent: Thursday, March 21, 2013 2:02 PM
To: ^WCH Document Control
Subject: FW: REQUEST FOR CERCLA CONTAINER STORAGE AREA AT 100-B
Please provide a chron number. This email documents a regulatory approval.

Thanks,

Dan Saueressig
FR Environmental Project Lead
Washington Closure Hanford
521-5326

From: Buelow, Laura [mailto:Buelow.Laura@epa.gov]
Sent: Thursday, March 21, 2013 2:00 PM
To: Saueressig, Daniel G
Cc: Post, Thomas C
Subject: RE: REQUEST FOR CERCLA CONTAINER STORAGE AREA AT 100-B

I concur with the request.

Laura

From: Saueressig, Daniel G [mailto:dgsauere@wch-rcc.com]
Sent: Thursday, March 21, 2013 1:52 PM
To: Buelow, Laura
Cc: Post, Thomas C
Subject: REQUEST FOR CERCLA CONTAINER STORAGE AREA AT 100-B

Laura, I'd like to request your approval to set up a container storage area at 100-B/C in the equipment laydown yard across the street from MO-474. The need for this is area is to collect soil contaminated with petroleum products or other materials from vehicle/equipment spills supporting work at 100-C-7:1 pending sampling, designation and disposal of the material. This area could operate for up to 1 year maximum without requesting a one time extension from you, but I estimate the storage area will be needed for much less than a year based on the remaining scope at 100-B/C. The container storage area will be managed in compliance with the substantive Washington Administrative Code container management requirements, including WAC 173-303-630 and -646(7).

Let me know if you concur and give me a call if you have any questions.

Thanks,

Dan Saueressig
FR Environmental Project Lead
Washington Closure Hanford
521-5326

Attachment 17

300 Area Closure Project Status
April 11, 2013
100/300 Area Combined Unit Manager Meeting

Ongoing Activities

- 309 Reactor – Core drilling and lower reactor space interference removal ongoing, 100% design for reactor lift and transport to ERDF completed.
- 340 Complex – Work to install the fourth shoring casing identified significant contamination underneath the vault. Additional soil characterization samples will be collected.
- 308/308A – Final backfill and closure of site completed.
- UPR-300-4 (321/323) - verification sampling completed.
- 324 – Preparing to load test the B Cell crane rails, continue min-safe operations.
- 3730 – Completed above-grade demolition, preparing to encapsulate the hotcells (poly urea).

Demolition & Remediation Preparation Activities

- 326 Building – Hazardous material and asbestos abatement initiated.
- RRLWS & RLWS Piping – Characterization sampling ongoing.
- 3701D – Initiated below-grade demolition, completed basement inspection.
- 300-257 (309 pipeline to the river) – Phase I characterization sampling completed, evaluating data initiated.
- 331C, 331D, 331G, and 331H – Initiated hazardous material removal.

60-Day Project Look Ahead

- Complete 340 Vault removal preparations, prepare for lift and transport.
- Complete characterization of the 300-257 pipeline to river.
- Continue 309 PRTR reactor removal preparations.
- Continue preparations for demolition of the 326 Building.
- 331C, 331D, 331G, and 331H – Initiate above-grade demolition.

Attachment 18

ESH&QA Mission Completion Project

April 11, 2013

Long-Term Stewardship

- Finalizing the 100-F Area Turnover and Transition Package, Revision 0.
- Submitted the Draft A 100-FR-1 Operable Unit Interim Remedial Action Report to RL on 4/8/13.

100-K Shoreline Characterization

- The *Cultural Resource Review for the Nature and Extent Characterization at Waste Sites 100-K-64 and 100-K-111 in the 100-K Area of the Hanford Site, Benton County, Washington* (HCRC#2013-100-008) was issued for review by the State Historical Preservation Office and Tribal representatives on March 28. The comment period goes through the end of April. A mockup demonstration of the excavation and sampling methods is scheduled for April 22 at the HAMMER Archaeological Test Beds.

Document Review Look-Ahead

Document	Regulator Review Start	Duration
100-FR-1 Operable Unit Interim Remedial Action Report	4/8/13	30 days