

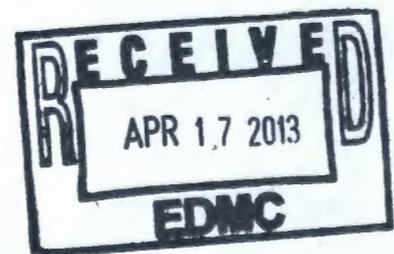
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Please distribute to the following:

100/300 AREA UNIT MANAGER MEETING ATTENDANCE AND DISTRIBUTION

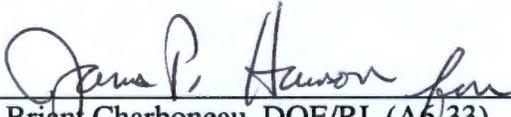
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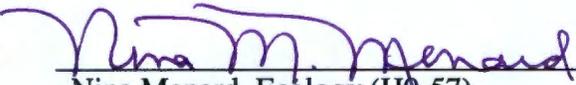


100/300 AREA UNIT MANAGERS MEETING
APPROVAL OF MEETING MINUTES

March 14, 2013

APPROVAL:  Date 4/11/13
Mark French, DOE/RL (A3-04)
River Corridor Project Manager

APPROVAL:  Date 4/11/13
Brian Charboneau, DOE/RL (A6-33)
Groundwater Project Manager

APPROVAL:  Date 4/11/13
Nina Menard, Ecology (H0-57)
Environmental Restoration Project
Manager

APPROVAL:  Date 4/11/13
Laura Buelow, Rod Lobos, or Christopher
Guzzetti, EPA (B1-46)
100 Area Project Manager

APPROVAL:  Date 4-11-13
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

March 14, 2013

ADMINISTRATIVE

- **Next Unit Manager Meeting (UMM)** –The next meeting will be held April 11, 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 February 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 March 14, 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 agreements or action items were documented.

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 6 provides the Field Remediation Schedule for 100-D. Attachment 7 provides the Field Remediation Schedule for 100-H. Attachment 8 provides status and information for D4/ISS activities at 100-N, 100-D and 100-B. No issues were identified and no action items were documented.

Agreement 1: Attachment 9 provides Ecology's agreement (1) of the verification contaminants of concern (COCs) for the 100-D-110 excavation, below cleanup level (BCL) soil stockpiles, and waste stage areas, (2) of the verification contaminants of concern (COCs) for the 100-D-30/104 excavation, below cleanup level (BCL) soil stockpiles, and waste stage areas, (3) that it is acceptable to stockpile BCL soil from the 100-D-100 site into the adjacent 100-D-50:6 excavation, (4) that additional remediation would occur at the "Pipe 4" sample location in the 100-D-50:6 excavation guided by visual removal of asbestos pipe coating and followed by sampling, (5) additional soils at the 100-D-50:6 staging pile sample location "SPA-8" will be removed and placed in the 100-D-50:6 excavation at a depth greater than 15 feet below the surface grade and the area resampled, and (6) soils from the "OB-8" sample location of the 100-D-50:6 BCL soil pile will be used as backfill at a depth greater than 15 feet below the ground surface.

Agreement 2: Attachment 10 provides Ecology's concurrence with the verification sampling work instruction for Lift 1 of the 100-D-50:6 south overburden/layback stockpile and agreement that the cleanup goals have been met.

Agreement 3: Attachment 11 provides Ecology's concurrence with the verification sampling locations for Lift 1 of the 100-D-50:6 north overburden/layback stockpile and agreement that the cleanup goals have been met.

Agreement 4: Attachment 12 provides concurrence with the verification sampling locations for Area 1 Stockpile 1 Lift 1 of the overburden/layback BCL pile outside and to the southeast of 100-D-50:6 excavation and agreement that the cleanup goals have been met.

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 8 provides status and information for D4/ISS activities at 100-N, 100-D and 100-B. Attachment 13 provides the 100-N Area FR Schedule. No issues were identified and no action items were documented.

Agreement 1: Attachment 14 provides Ecology's concurrence to move verification sample location SZ-8 to the deep zone decision unit of the UPR-100-N-31 Group of sites.

Agreement 2: Attachment 15 provides Ecology's agreement that the survey information on the 100-N-90 rod caves can be used to close the site without any further sampling or laboratory analysis.

Agreement 3: Attachment 16 provides DOE's concurrence with the 100-N-23 additional plume chase and resampling agreement.

Agreement 4: Attachment 17 provides Ecology's concurrence with the revised 100-N-23 additional excavation and resampling agreement.

Agreement 5: Attachment 18 provides Ecology's approval with the "no action" proposal for the 100-N-85:4 mobile offices sanitary pipelines.

Agreement 6: Attachment 19 provides Ecology's concurrence with the request to eliminate the SZ-10 sample from the statistical data set and proceed with closure of the UPR-100-N-19 waste site grouping.

Agreement 7: Attachment 20 provides EPA's concurrence with the request of a 180-day extension to the staging pile supporting various waste sites at 100-N. The staging pile was first used on February 16, 2011.

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 8 provides status and information for D4/ISS activities at 100-N, 100-D and 100-B. Attachment 21 provides a schedule for Field Remediation at 100-B/C Area. No issues were identified and no agreements or action items were documented.

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 22 provides status of the 300 Area Closure Project activities. No issues were identified and no agreements or action items were documented.

MISSION COMPLETION PROJECT

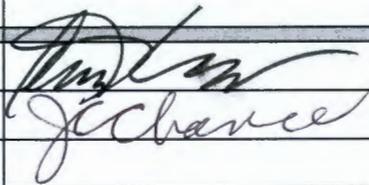
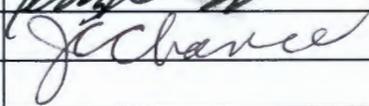
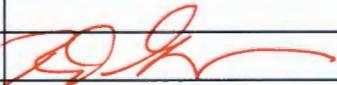
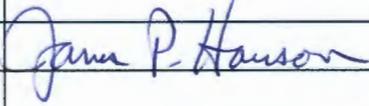
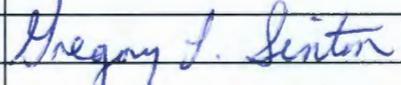
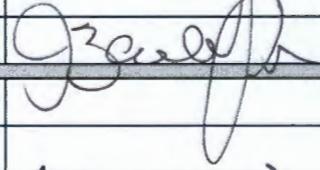
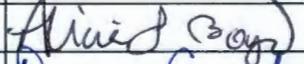
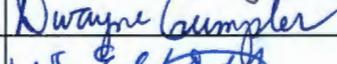
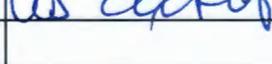
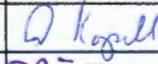
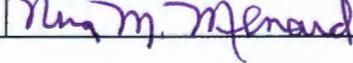
Attachment 23 provides status and information regarding the Long-Term Stewardship, the 100-K Shoreline Characterization Sample Design, and a Document Review Look-Ahead. No issues were identified and no agreements or action items were documented.

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
March 14, 2013

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Attachment B

100/300 Area UMM
Action List
March 14, 2013

Open (O)/ Closed (X)	Action No.	Co.	Actionee	Project	Action Description	Status
X	100-196	RL	J. Neath	100-D	DOE will determine if the ISRM Pond had been incorporated into the WIDS database, and if not, to finalize a discovery site checklist and get the site into WIDS via the MP-14 process. (Closure is pending completion of a TPA Change Notice.)	Open: 7/12/12; Action: Closed 2/14/13
X	100-197	RL	M. Thompson	100-N	DOE will begin reporting 100-N apatite barrier performance in the UMM updates in terms of % reduction (as described in the test plans) and in terms of groundwater Sr-90 concentration exiting the barrier and entering the Columbia River. (Concentrations entering the Columbia River are pertinent, as the remedial action goal in the IROD Amendment is the 8 pCi/L Drinking Water Standard. The IROD amendment authorized the full length of the barrier.)	Open: 11/8/12; Action: Closed 2/14/13

Attachment C

100/300 Area Unit Manager Meeting
March 14, 2013
Washington Closure Hanford Building
2620 Fermi Avenue, Richland, WA 99354
Room C209; 2:00p.m.

Administrative:

- Approval and signing of previous meeting minutes (February 14, 2013)
- Update to Action Items List
- Next UMM (4/11/2013, 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
March 14, 2013

General information on Groundwater Sampling

Sampling commenced for FY 2013 in October and progress against the plan is shown in Figure 1. Decembers performance was below plan due to a curtailment in the work schedule for the last week of the month. Sampling in early January nearly recovered December's negative variance, but a slight variance does still exist. Through February 1,304 samples of a scheduled 1,342 samples have been successfully collected. The wells sampled successfully for February are presented in the **Summary of Wells & Aquifer Tubes Sampled in the River Corridor Areas During February 2013** table at the end of this report. The results are accessible from the Environmental Dashboard (<http://environet.hanford.gov/eda/>).

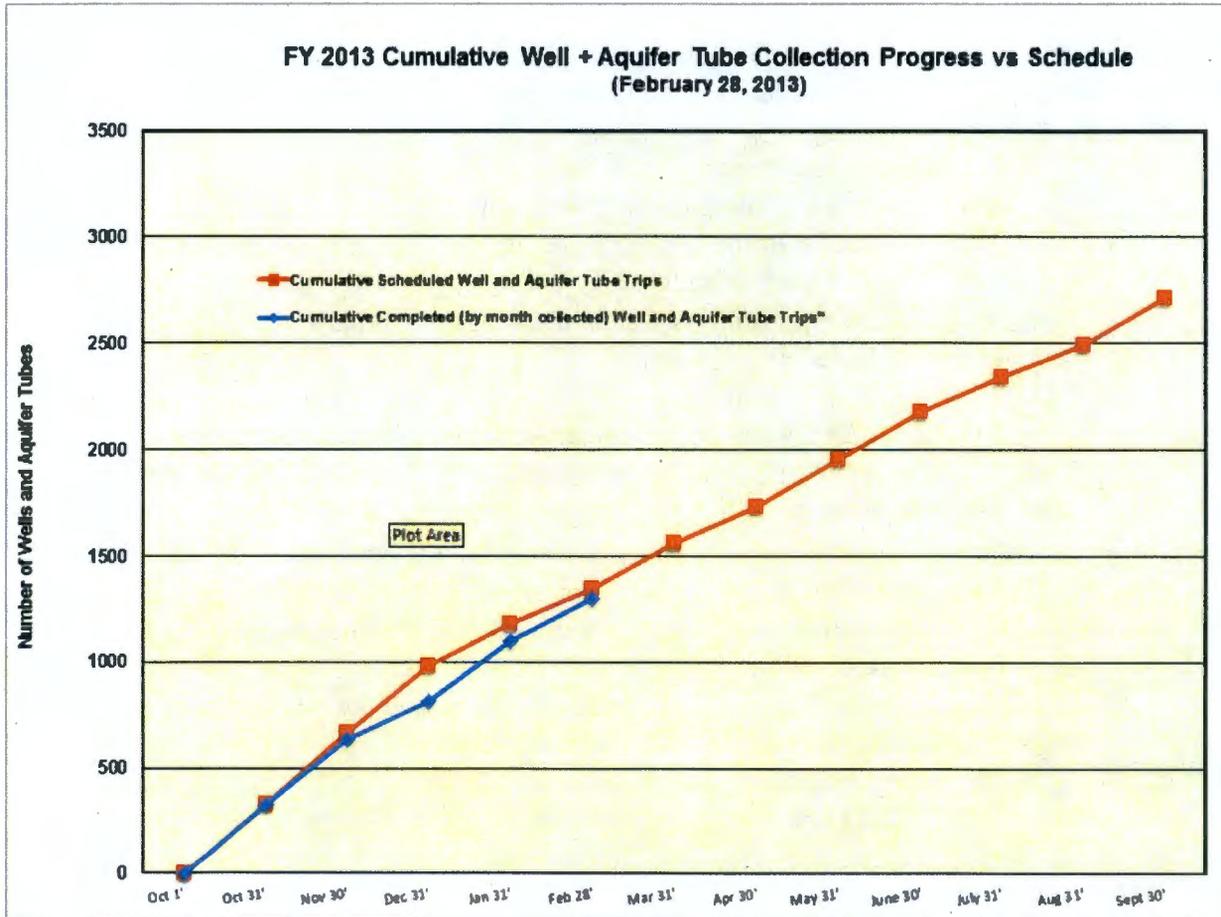


Figure 1- Sample Collection versus Plan for 2013

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.
 - EPA Review comments on the Draft A were received on March 4, 2013.

**100/300 Areas Unit Managers Meeting
March 14, 2013**

- The Project Team is reviewing comments, developing responses, accessing the revisions to the document and determining the revised schedule for the delivery of Rev 0.
- Select EPA comments will likely require additional discussion or clarification and a meeting is scheduled for March 21, 2013 to discuss the comments.
- **Monitoring and Reporting:**
 - Annual sampling of wells and aquifer tubes was previously completed and data reported. Three wells are scheduled for semiannual sampling (next in April).

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

- **Project Management**
 - 183-H DQO: Follow-up meeting to December 2012 DQO scheduled for March 6, 2013 rescheduled for March 13. Meeting agenda is to discuss and resolve open action items from the December meeting.
 - WCH Field Remediation Integration:
 - 100-D/H Well Decommissioning and Replacement
 - 199-D5-145 (C8725): Pump was set in the well on February 7, 2013. A water sample was collected on February 27.
 - 199-D5-148 (C8728): Pump was set in the well on February 14, 2013. A water sample was collected on February 27.
 - 199-D5-146 (C8726): Drilling is completed and construction is ongoing. The well surging interval from 91 to 101-ft bgs was completed on March 5, 2013.
 - 199-D5-147 (C8727): Pump was set in the well on February 27, 2013 and a water sample was collected.
 - Sample results for the water samples collected at the new 100-D Replacement wells are expected in early April.
 - Drilling was initiated March 6, 2013 at 100-H Area Well 199-H4-85 (C8723).
 - Conveyance Line Relocation
 - Planning continues for three HX extraction wells (199-H4-63, -69, -70) and five injection wells (199-H6-2, H4-18, -71, -72, -73).
 - Completed reroute of three DX injection wells (199-D5-42, -129, -128) on February 28, 2013 and completed demolition of the old pipe on February 28, 2013.
- **CERCLA Process Implementation:**
 - RI/FS & PP
 - Comments due March 14, 2013 in accordance with the Ecology letter (13-NWP-010).
 - 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. February 2013 performance:
 - The systems treated 47 million gallons
 - The system removed 27 kg of hexavalent chromium
- **Monitoring & Reporting**
 - Cr(VI) and nitrate concentrations in the vicinity of DX have decreased significantly over the past year.
 - The Cr(VI) plume has migrated slightly farther to the south of 100-H than previously reported; consistent with our conceptual model understanding.

**100/300 Areas Unit Managers Meeting
March 14, 2013**

- Uranium levels are at 37.10 µg/L in Well 199-H4-3 and at 23.70 µg/L in Well 199-H4-12A. Both wells are part of the RCRA monitoring program.
- Well Realignment:
 - Discussed the proposed new and/or realignment of existing wells; agreed upon associated priorities on January 30, 2013; technical memo in review/approval process to document agreements.
 - Wells 199-D8-53 and 199-D8-68 are scheduled for plumbing and pumps installation during the weeks of March 11 and 22, 2013.
 - Injection Well 199-H4-14 has been shut off and the piping is planned for removal during the week of March 11, 2013.

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
 - The decisional draft RI/FS report and proposed plan were provided to RL for review on February 28, 2013. Draft A versions of these documents are 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 were discussed in the February UMM.
 - The next sampling events at the Apatite PRB are anticipated for May 2013.
- RCRA Monitoring
 - The next sampling events at the RCRA sites 116-N-1, 120-N-1, and 116-N-3 are scheduled for March 2013.
- 100-N aquifer tubes
 - Four tubes (N116mArray-3A, N116mArray-4A, N116mArray-6A, and NVP2-116.0) are sampled monthly. The February sampling event occurred on February 25, 2013.

**100/300 Areas Unit Managers Meeting
March 14, 2013**

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 March 6, 2013; reviewed current project status over the previous month, reviewed and gained concurrence on the pump-and-treat flow rate modifications.
- 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. February 2013 performance:
 - The systems treated 43 million gallons.
 - The system removed 4 kg of hexavalent chromium
- Monitoring & Reporting
 - Preliminary inspection of maximum groundwater hexavalent chromium concentrations in wells at 100-K for the period of 1 January 2012 through 6 March 2013 indicates 29 wells sampled in that period exhibited Cr(VI) at 20 ug/L or greater. This includes both monitoring wells and pump-and-treat extraction wells. The highest groundwater concentration of Cr(VI) observed at 100-K during that period was 428 ug/L in well 199-

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K-173 on 10 February 2012. Well 199-K-173 was subsequently realigned as an extraction well and the current concentration was 73 ug/L on 17 January 2013.

- Groundwater conditions in the vicinity of the 100-KW pump-and-treat injection wells continues to be monitored closely to observe changes related to injection of the non-pH-adjusted treated water. The aquifer continues to exhibit a decreased pH, consistent with expected conditions.
- Inspection of Cr(VI) concentrations in influent and effluent water at the three 100-K pump-and-treat systems indicates that the SIR-700 is effectively removing Cr(VI) from the process stream. The effluent concentrations have been consistently low in all three systems, with effluent concentrations typically ranging from 0 to 3 ug/L with infrequent concentrations between 5 and 10 ug/L.
- Well Realignment
 - Discussed the proposed new and/or realignment of existing wells; agreed upon associated priorities on January 28; technical memo in review/approval process to document agreements.

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: Draft appendices to these documents (in the form of TPA change notices) were presented and discussed with DOE and EPA in December. EPA provided comments on March 8, 2013. The comments are currently in review.
- Monitoring & Reporting
 - Monthly wells 199-B4-14 and 199-B5-6 were sampled February 6. Data not yet available.

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, an Addendum is being prepared to describe an additional remedial alternative for the uranium contaminated groundwater and to update the PRGs based upon the latest EPA toxicity information. It is planned to issue the report and addendum at the same time
- 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 from EPA legal that were received in January and February 2013.
 - 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)

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- 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 February 27, 2013, samples have been collected at 35 of the 49 wells scheduled for sampling in March 2013.
- **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.
- **618-10 Burial Ground/316-4 Crib** — Groundwater data from June 2012 and January 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 was sampled on December 19, 2012. Results for uranium, magnesium, and calcium were consistent with previous results. Both wells were sampled on February 26, 2013; results are not yet available. Both wells are scheduled for sampling in June 2013.
- **RCRA Monitoring – 300 Area Process Trenches (316-5)**
 - The next sampling event at the RCRA site 300 Area Process Trenches is scheduled for March 2013.
- **300 Area Aquifer Tubes**
 - 300-FF-5 aquifer tubes are scheduled for sampling in March 2013.

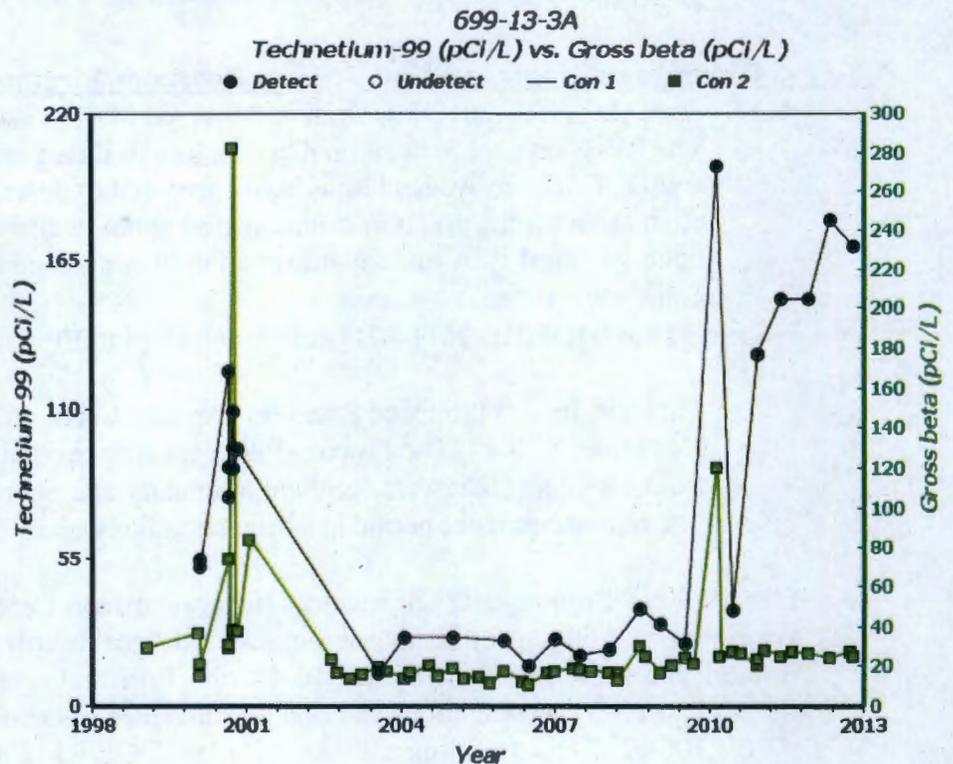


Figure 300FF5-1. Technetium-99 and Gross Beta Trends (through October 18, 2012) at Well 699-13-3A at the 618-11 Burial Ground.

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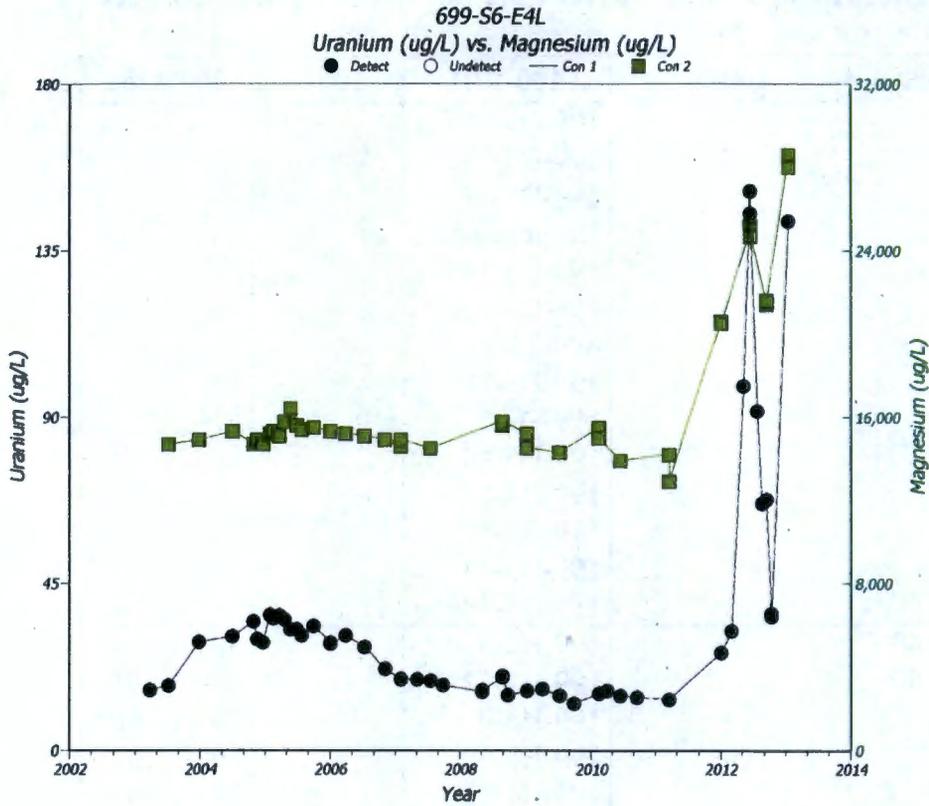


Figure 300FF5-2. Uranium and Magnesium Trends (through January 15, 2013) at Well 699-S6-E4L at the 618-10 Burial Ground.

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Summary of Wells & Aquifer Tubes Sampled in the River Corridor Areas During February 2013						
Week	100-BC	100-K	100-N	100-D/H	100-F	300 Area
01 Feb 13				199-D5-143 199-D5-132 199-D5-97 Unsuccessful 199-D5-142 199-D6-3 699-98-51 199-D8-71 199-D3-5 199-D5-40 199-D4-62 199-D2-11 199-D5-34 199-D5-133		
02-08 Feb 13	199-B4-14 199-B5-6	199-K-140 199-K-150		199-H3-5 199-H4-12A 199-H3-9 199-H3-6 199-H4-11 199-H4-84 199-H3-7 199-H4-46 199-H4-49 199-H4-3 199-H5-1A 199-H3-10 199-H1-7 199-H3-3 199-D5-20		399-1-18A 399-1-10A 399-1-10B 399-1-16A 399-1-16B 399-1-18B 399-1-17B 399-1-17A
09-15 Feb 13		199-K-184 199-K-108A 199-K-107A 199-K-185 199-K-188 199-K-186 199-K-196 Unsuccessful 199-K-189 199-K-190 199-K-187 199-K-106A 199-K-193 199-K-196 199-K-32A 199-K-191	199-N-188 199-N-187 199-N-186 199-N-46 199-N-76	199-H4-5 199-D4-22 199-D5-97 199-H4-16 199-H4-65 199-H3-2A 199-H4-13 199-D4-14 199-H4-10 199-D3-2 199-H4-45 199-H2-1 199-D4-23 199-D5-38 199-D5-43 199-D4-62 199-D8-5		

**100/300 Areas Unit Managers Meeting
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Summary of Wells & Aquifer Tubes Sampled in the River Corridor Areas During February 2013						
Week	100-BC	100-K	100-N	100-D/H	100-F	300 Area
				199-D8-70 199-D5-126 199-D5-125 199-D5-15 199-D5-123 199-D5-16		
16-22 Feb 13				199-D4-38 199-D8-69 199-D5-39 199-D8-88 199-H1-1 199-H1-39 199-H1-36 199-H1-3 199-H1-34 199-H1-27 199-H1-25 199-H1-6 199-H1-43 199-H1-2 199-H4-76 199-H1-4 199-H4-75 199-H3-2C 199-H1-42 199-H4-63 199-H4-70 199-H4-69 199-H1-45 199-H4-81 199-H4-82 199-H1-5 199-H4-77 199-H4-80 199-H4-64		399-1-59 399-2-32 399-1-55 399-1-23 399-2-1 399-1-64 399-2-5 399-1-62 399-3-21 399-1-21A 399-1-54 399-1-61 399-3-20 399-3-10 399-3-9 399-3-18 399-3-22 399-3-19 399-1-57 399-1-56 399-3-38 399-6-5 399-4-15 399-4-14 399-3-33 399-1-58

**100/300 Areas Unit Managers Meeting
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Summary of Wells & Aquifer Tubes Sampled in the River Corridor Areas During February 2013						
Week	100-BC	100-K	100-N	100-D/H	100-F	300 Area
23-28 Feb 13		199-K-199 199-K-111A 199-K-198 199-K-157 199-K-197 199-K-201 199-K-192 199-K-200	N116mArray-4A N116mArray-6A N116mArray-3A NVP2-116.0			399-8-1 399-6-3 399-4-11 399-8-5A 699-12-2C 699-S6- E4K 699-S6- E4L 399-3-2 399-4-12

Attachment 2

March 14, 2013 Unit Manager's Meeting
Field Remediation Status

100-B/C

- Continued backfill activities at 100-C-7:1 and load-out of remaining staged waste
- Completed backfill/contouring and revegetation activities at 100-C-7

100-D

- Continued remediation and layback removal at 100-D-100
- Completed backfill/contouring and revegetation activities at 100-D-14, 100-D-50:4, 100-D-50:8, 100-D-50:9, 100-D-56, 100-D-65, 100-D-66, 116-D-5, 116-DR-5, 1607-D1, and 118-D-6:4.
- Resumed remediation and layback removal at 100-D-30/104.

100-H

- Continued excavation/remediation field activities at 100-H-46
- Completed backfill/contouring and revegetation activities at 100-H-37
- RCRA Permit modification to move groundwater well issued for public comment on February 19, 2013

100-K

- Completed additional remediation at 100-K-84, 100-K-87 and 100-K-95 pending return of favorable sample results
- Completed backfill/contouring activities at 118-K-1, revegetation ongoing

100-N

- Initiated remediation of 100-N-79
- Completed additional remediation and re-sampling at UPR-100-N-9/14
- Completed revegetation of 128-N-1 staging pile area
- Completed backfill of 100-N-60
- Continued excavation and load-out at 118-N-1 and 130-N-1
- 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

- Received DOE concurrence for limited hazardous waster operations
- Continuing NDA reviews and verification of drum activities

- Performed Bottle Processing campaign

100-IU-2/6

- Initiated and completed remediation of 600-300:1, 600-303, 600-316, 600-318, 600-320:3, 600-321 and 600-328
- Project Start-up Review ongoing for additional IU 2&6 sites and Segment 4 Miscellaneous Restoration sites

Attachment 3

Activity ID	Activity Name	TPA	% Cmpl	RD	Start	Finish	M	A	M	J	J	A	S					
							0	1	1	2	0	0	1	2	2	0	1	2
RK087B	Loadout - 100-K-87 (1.1 USTs)	Y	99%	8	25-Feb-13 A	21-Mar-13												
Backfill																		
RK087C	Backfill - 100-K-87 (0.48 BCMs)	Y	0%	1	26-Aug-13*	26-Aug-13											I	
Final Project Closeout																		
RK087D10	Verification Closeout Samples - 100-K-87	Y	0%	16	11-Mar-13*	04-Apr-13												
RK087D11	Lab Analysis 100-K-87	Y	0%	26	08-Apr-13	21-May-13												
RK087D12	Data Validation - 100-K-87	Y	0%	15	22-May-13	18-Jun-13												
RK087D13	Prepare Calculations(UCL, DQA, HQ, act.) - 100-K-87	Y	0%	12	19-Jun-13	10-Jul-13												
RK087D14	Prepare Internal Closure Document - 100-K-87	Y	0%	8	11-Jul-13	24-Jul-13												
RK087D15	Format/Tech Edit 100-K-100-K-87	Y	0%	3	25-Jul-13	30-Jul-13												
RK087D16	Internal Review - 100-K-87	Y	0%	4	31-Jul-13	06-Aug-13												
RK087D17	Incorporate Internal Review Comments - 100-K-87	Y	0%	4	07-Aug-13	13-Aug-13												
RK087D18	Final Format/Tech Edit/Internal Sigs - 100-K-87	Y	0%	6	14-Aug-13	22-Aug-13												
RK087D19	RL/Reg Review Draft A Closure Document for - 100-K-87	Y	0%	26	26-Aug-13	09-Oct-13												
100-K-91 - Battery																		
Final Project Closeout																		
RK091D11	Lab Analysis 100-K-91	Y	20%	22	07-Feb-13 A	16-Apr-13												
RK091D12	Data Validation - 100-K-91	Y	0%	15	17-Apr-13	13-May-13												
RK091D13	Prepare Calculations(UCL, DQA, HQ, act.) - 100-K-91	Y	0%	12	14-May-13	04-Jun-13												
RK091D14	Prepare Internal Closure Document - 100-K-91	Y	0%	8	05-Jun-13	18-Jun-13												
RK091D15	Format/Tech Edit 100-K-100-K-91	Y	0%	3	19-Jun-13	24-Jun-13												
RK091D16	Internal Review - 100-K-91	Y	0%	4	25-Jun-13	01-Jul-13												
RK091D17	Incorporate Internal Review Comments - 100-K-91	Y	0%	4	02-Jul-13	09-Jul-13												
RK091D18	Final Format/Tech Edit/Internal Sigs - 100-K-91	Y	0%	6	10-Jul-13	18-Jul-13												
RK091D19	RL/Reg Review Draft A Closure Document for - 100-K-91	Y	0%	26	22-Jul-13	04-Sep-13												
RK091D20	Resolve Draft A Comments - 100-K-91	Y	0%	16	05-Sep-13	02-Oct-13												
100-K-92 - Reddish Stained Gravels																		
Backfill																		
RK092C	Backfill - 100-K-92 (7 BCMs)	Y	0%	1	22-Jul-13*	22-Jul-13											I	
Closeout Sampling & Docs																		
RK092D11	Lab Analysis 100-K-92	Y	20%	22	11-Feb-13 A	16-Apr-13												
Final Project Closeout																		
RK092D12	Data Validation - 100-K-92	Y	0%	15	17-Apr-13	13-May-13												
RK092D13	Prepare Calculations(UCL, DQA, HQ, act.) - 100-K-92	Y	0%	12	14-May-13	04-Jun-13												
RK092D14	Prepare Internal Closure Document - 100-K-92	Y	0%	8	05-Jun-13	18-Jun-13												
RK092D15	Format/Tech Edit 100-K-92	Y	0%	3	19-Jun-13	24-Jun-13												
RK092D16	Internal Review - 100-K-92	Y	0%	4	25-Jun-13	01-Jul-13												
RK092D17	Incorporate Internal Review Comments - 100-K-92	Y	0%	4	02-Jul-13	09-Jul-13												
RK092D18	Final Format/Tech Edit/Internal Sigs - 100-K-92	Y	0%	6	10-Jul-13	18-Jul-13												

Current Bar Labels % Complete

Activity ID	Activity Name	TPA	% Cmpl	RD	Start	Finish	M	A	M	J	J	A	S							
							0	1	1	2	0	0	1	2	0	1	2	0	1	2
RK092D19	RL/Reg Review Draft A Closure Document for - 100-K-92	Y	0%	26	22-Jul-13	04-Sep-13														
RK092D20	Resolve Draft A Comments - 100-K-92	Y	0%	16	05-Sep-13	02-Oct-13														
100-K-93 - Drum Remnant																				
Final Project Closeout																				
RK093D11	Lab Analysis 100-K-93	Y	20%	22	11-Feb-13 A	16-Apr-13														
RK093D12	Data Validation - 100-K-93	Y	0%	15	17-Apr-13	13-May-13														
RK093D13	Prepare Calculations(UCL, DQA, HQ, act.) - 100-K-93	Y	0%	12	14-May-13	04-Jun-13														
RK093D14	Prepare Internal Closure Document - 100-K-93	Y	0%	8	05-Jun-13	18-Jun-13														
RK093D15	Format/Tech Edit 100-K-100-K-93	Y	0%	3	19-Jun-13	24-Jun-13														
RK093D16	Internal Review - 100-K-93	Y	0%	4	25-Jun-13	01-Jul-13														
RK093D17	Incorporate Internal Review Comments - 100-K-93	Y	0%	4	02-Jul-13	09-Jul-13														
RK093D18	Final Format/Tech Edit/Internal Sigs - 100-K-93	Y	0%	6	10-Jul-13	18-Jul-13														
RK093D19	RL/Reg Review Draft A Closure Document for - 100-K-93	Y	0%	26	22-Jul-13	04-Sep-13														
RK093D20	Resolve Draft A Comments - 100-K-93	Y	0%	16	05-Sep-13	02-Oct-13														
100-K-95 - Tar Dump																				
Excavation																				
RK095A	Excavation - 100-K-95 (124 BCMs)	Y	99%	3	09-Jan-13 A	14-Mar-13														
Loadout																				
RK095B	Loadout - 100-K-95 (273 USTs)	Y	99%	3	09-Jan-13 A	13-Mar-13														
Backfill																				
RK095C	Backfill - 100-K-95 (118.6 BCMs)	Y	0%	1	12-Aug-13*	12-Aug-13														
Final Project Closeout																				
RK095D10	Verification Closeout Samples - 100-K-95	Y	0%	8	11-Feb-13 A	21-Mar-13														
RK095D11	Lab Analysis 100-K-95	Y	0%	26	25-Mar-13	07-May-13														
RK095D12	Data Validation - 100-K-95	Y	0%	15	08-May-13	04-Jun-13														
RK095D13	Prepare Calculations(UCL, DQA, HQ, act.) - 100-K-95	Y	0%	12	05-Jun-13	25-Jun-13														
RK095D14	Prepare Internal Closure Document - 100-K-95	Y	0%	8	26-Jun-13	10-Jul-13														
RK095D15	Format/Tech Edit 100-K-100-K-95	Y	0%	3	11-Jul-13	16-Jul-13														
RK095D16	Internal Review - 100-K-95	Y	0%	4	17-Jul-13	23-Jul-13														
RK095D17	Incorporate Internal Review Comments - 100-K-95	Y	0%	4	24-Jul-13	30-Jul-13														
RK095D18	Final Format/Tech Edit/Internal Sigs - 100-K-95	Y	0%	6	31-Jul-13	08-Aug-13														
RK095D19	RL/Reg Review Draft A Closure Document for - 100-K-95	Y	0%	26	12-Aug-13	25-Sep-13														

Attachment 4

**100K Area Unit Managers Meeting Status
March 14, 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)

- Draft ECRTS Remedial Design Report will be provided to EPA for review and comment in April.
- The in-process review of the ECRTS Preliminary Documented Safety Analysis by DOE continues.
- The Critical Decision 2/3 ECRTS process design package will be updated to acknowledge the impact of sequestration, and is tentatively forecast for submittal to RL in late May .

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

- On 03/05/13, the 105 KW Annex construction contractor was directed to immediately suspend work due to sequestration funding reductions. Activities are now underway to bring the construction site to a safe and stable configuration while construction is suspended. Demobilization is also underway. CHPRC & contractor project management personnel are developing a strategy for the orderly turnover of project documentation and in-process procurements. The CHPRC construction support team will soon be developing a plan to restart construction in FY 2014.
- Preparation continues for the Integrated Process Optimization Demonstration at MASF.

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* (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)

- Seven Phase 2 facilities were swapped for seven completed Phase 3 facilities though modification of DOE/RL-2005-26 via TPA Change Notice #565.

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 Data Quality Objectives report for bore holes north of 105-KE has been issued and comments on the Sampling Instruction have been resolved. The Sampling Instruction is expected to be issued in March.
- No demolition activities were conducted in the 100K area during February.

Attachment 5

Activity ID	Activity Name	TPA	% Cmpl	RD	Start	Finish	M		A		M		J		July 2013		A		S
							0	1	2	0	1	2	0	1	2	0	1	2	0

MR IU-2 & Segment 4

Loadout

IU226100	IU-2 & Segment 4 MR Sagetec Crew	N	0%	12	16-May-13	06-Jun-13													
IU226090	IU-2 & Segment 4 MR 618-10 Crew	N	0%	10	03-Jun-13	18-Jun-13													

MR fencing removal 600-275

Loadout

IU226080	Remove Fence around 600-275	N	0%	12	06-May-13*	23-May-13													
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600-326

Excavation

IU222640	Excavation 600-326* Cultural Hold	Y	0%	3	18-Mar-13*	20-Mar-13													
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Loadout

IU222650	Loadout 600-326 (2 tons)	Y	0%	3	21-Mar-13*	26-Mar-13													
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Closeout Sampling & Docs

IU222710	Closure Sampling 600-326	Y	0%	26	10-Apr-13	23-May-13													
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Final Project Closeout

IU222720	Prepare Closure Document 600-326	Y	0%	83	28-May-13	22-Oct-13													
IU222730	RL/Reg Review of Draft A Closure Document 600-326	Y	0%	26	01-Aug-13	17-Sep-13													

600-356

Excavation

IU226010	Excavation 600-356	N	0%	3	29-Apr-13*	01-May-13													
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Loadout

IU226020	Loadout 600-356	N	0%	1	02-May-13	02-May-13													
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Closeout Sampling & Docs

IU226070	Work Instructions 600-356	N	0%	75	04-Jun-13	15-Oct-13													
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600-279

Excavation

IU223360	Excavation 600-279	N	0%	2	09-May-13	13-May-13													
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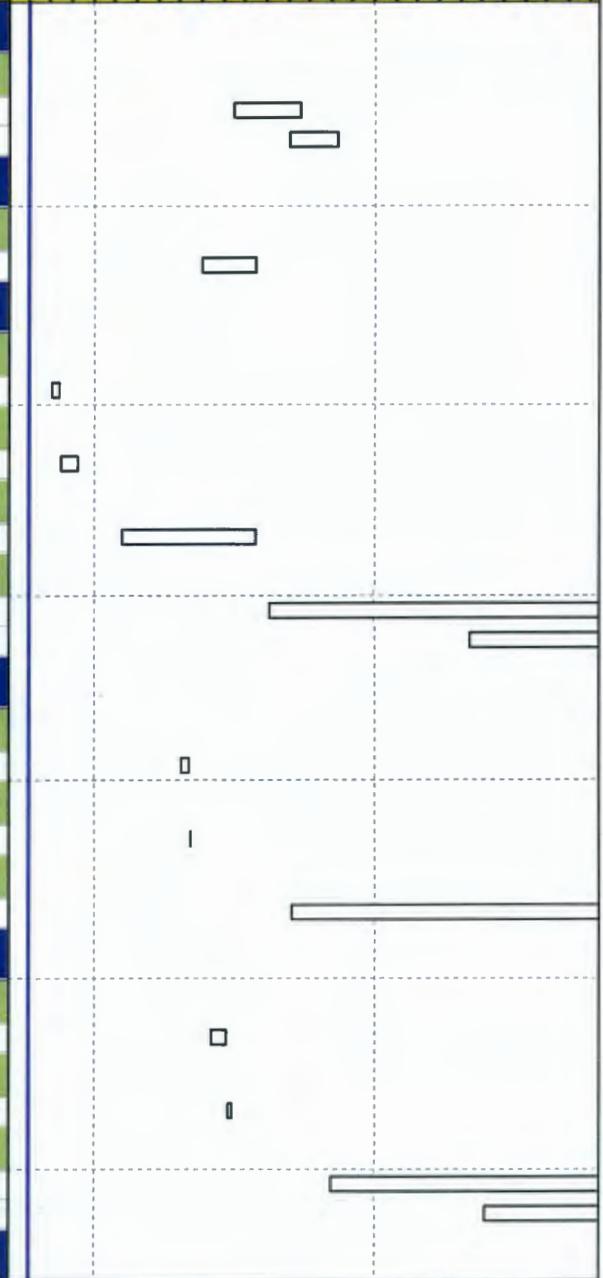
Loadout

IU223260	Loadout 600-279	N	0%	2	14-May-13	15-May-13													
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Closeout Sampling & Docs

IU223320	Prepare Work Instruction 600-279	N	0%	75	17-Jun-13	28-Oct-13													
IU223330	RL/Reg Review of Draft A Work Instruction 600-279	N	0%	26	06-Aug-13	19-Sep-13													

600-370



Current Bar Labels % Complete

Activity ID	Activity Name	TPA	% Cmpl	RD	Start	Finish	M		A		M		J		July 2013		A		S	
							0	1	1	2	0	0	1	2	2	0	1	2	0	1
Excavation																				
IU224020	Excavation 600-370	Y	0%	14	25-Mar-13*	16-Apr-13														
Loadout																				
IU223920	Loadout 600-370	Y	0%	16	17-Apr-13	14-May-13														
Closeout Sampling & Docs																				
IU223980	Prepare Work Instruction 600-370	Y	0%	75	13-Jun-13	24-Oct-13														
IU223990	RL/Reg Review of Draft A Work Instruction 600-370	Y	0%	26	05-Aug-13	18-Sep-13														
600-373																				
Excavation																				
IU224350	Excavation 600-373	Y	0%	1	08-May-13	08-May-13														
Loadout																				
IU224250	Loadout 600-373	Y	0%	1	09-May-13	09-May-13														
Closeout Sampling & Docs																				
IU224310	Prepare Work Instruction 600-373	Y	0%	75	11-Jun-13	22-Oct-13														
IU224320	RL/Reg Review of Draft A Work Instruction 600-373	Y	0%	26	31-Jul-13	16-Sep-13														
600-374																				
Excavation																				
IU224460	Excavation 600-374	Y	0%	1	18-Apr-13	18-Apr-13														
Loadout																				
IU224360	Loadout 600-374	Y	0%	1	22-Apr-13	22-Apr-13														
Closeout Sampling & Docs																				
IU224420	Prepare Work Instruction 600-374	Y	0%	75	21-May-13	02-Oct-13														
IU224430	RL/Reg Review of Draft A Work Instruction 600-374	Y	0%	26	11-Jul-13	26-Aug-13														
IU224370	RL/Reg Signature Rev.0 WI 600-374	Y	0%	4	27-Aug-13	03-Sep-13														
600-377																				
Excavation																				
IU224790	Excavation 600-377	Y	0%	1	28-May-13	28-May-13														
Loadout																				
IU224690	Loadout 600-377	Y	0%	1	29-May-13	29-May-13														
Closeout Sampling & Docs																				
IU224750	Prepare Work Instruction 600-377	Y	0%	75	27-Jun-13	07-Nov-13														
IU224760	RL/Reg Review of Draft A Work Instruction 600-377	Y	0%	26	19-Aug-13	02-Oct-13														
600-382																				
Excavation																				

Current Bar Labels % Complete

Activity ID	Activity Name	TPA	% Cmpl	RD	Start	Finish	M	A	M	J	July 2013				A	S			
							0	1	2	0	1	2	0	1	2	0	1	2	0
IU225340	Excavation 600-382	N	0%	1	25-Apr-13	25-Apr-13													
Loadout																			
IU225240	Loadout 600-382	N	0%	1	29-Apr-13	29-Apr-13													
Closeout Sampling & Docs																			
IU225300	Prepare Work Instruction 600-382	N	0%	75	29-May-13	09-Oct-13													
IU225310	RL/Reg Review of Draft A Work Instruction 600-382	N	0%	26	18-Jul-13	03-Sep-13													
IU225250	RL/Reg Signature Rev.0 WI 600-382	N	0%	4	04-Sep-13	10-Sep-13													
600-384																			
Excavation																			
IU225560	Excavation 600-384	N	0%	2	01-May-13	02-May-13													
Loadout																			
IU225460	Loadout 600-384	N	0%	2	06-May-13	07-May-13													
Closeout Sampling & Docs																			
IU225520	Prepare Work Instruction 600-384	N	0%	75	06-Jun-13	17-Oct-13													
IU225530	RL/Reg Review of Draft A Work Instruction 600-384	N	0%	26	29-Jul-13	11-Sep-13													
600-293																			
Excavation																			
IU222920	Excavation 600-293	Y	0%	2	12-Mar-13*	13-Mar-13													
Loadout																			
IU222820	Loadout 600-293	Y	0%	2	14-Mar-13	18-Mar-13													
Closeout Sampling & Docs																			
IU222880	Prepare Work Instruction 600-293	Y	0%	75	16-Apr-13*	27-Aug-13													
IU222890	RL/Reg Review of Draft A Work Instruction 600-293	Y	0%	26	05-Jun-13	22-Jul-13													
IU222830	RL/Reg Signature Rev.0 WI 600-293	Y	0%	4	23-Jul-13*	29-Jul-13													
IU222840	Closure Sampling 600-293	Y	0%	26	28-Aug-13	14-Oct-13													
600-294																			
Excavation																			
IU223030	Excavation 600-294	Y	0%	2	14-Mar-13*	18-Mar-13													
Loadout																			
IU222930	Loadout 600-294	Y	0%	2	19-Mar-13	20-Mar-13													
Closeout Sampling & Docs																			
IU222990	Prepare Work Instruction 600-294	Y	0%	75	18-Apr-13*	29-Aug-13													
IU223000	RL/Reg Review of Draft A Work Instruction 600-294	Y	0%	26	10-Jun-13	24-Jul-13													
IU222940	RL/Reg Signature Rev.0 WI 600-294	Y	0%	4	25-Jul-13*	31-Jul-13													
IU222950	Closure Sampling 600-294	Y	0%	26	03-Sep-13	16-Oct-13													

Current Bar Labels % Complete

Activity ID	Activity Name	TPA	% Cmpl	RD	Start	Finish	July 2013																			
							M	A	M	J	A	S	M	A	M	J	A	S								
600-298							0	1	1	2	0	0	1	2	2	0	1	2	2	0	1	2	0	1	2	0
Backfill																										
IU2230	Backfill 600-298	Y	0%	1	03-Jul-13*	03-Jul-13																				
Final Project Closeout																										
IU2290	Prepare Closure Document 600-298	Y	0%	93	11-Mar-13	21-Aug-13																				
IU2300	RL/Reg Review of Draft A Closure Document 600-298	Y	0%	26	14-May-13	27-Jun-13																				
IU2310	RL/Reg Signature Rev.0 Closure Document 600-298	Y	0%	4	30-Jul-13	05-Aug-13																				
600-299																										
Backfill																										
IU22120	Backfill 600-299	Y	0%	1	08-Jul-13*	08-Jul-13																				
Final Project Closeout																										
IU22180	Prepare Closure Document 600-299	Y	0%	93	11-Mar-13	21-Aug-13																				
IU22190	RL/Reg Review of Draft A Closure Document 600-299	Y	0%	26	14-May-13	27-Jun-13																				
IU22200	RL/Reg Signature Rev.0 Closure Document 600-299	Y	0%	4	30-Jul-13	05-Aug-13																				
600-300																										
Excavation																										
IU22210	Excavation (White Bluffs Review 12 Sites) 600-300	Y	99%	2	08-Mar-12 A	12-Mar-13																				
Loadout																										
IU22220	Loadout (White Bluffs Review 12 Sites) 600-300	Y	99%	2	08-Mar-12 A	12-Mar-13																				
Backfill																										
IU22230	Backfill 600-300	Y	0%	1	09-Jul-13*	09-Jul-13																				
Closeout Sampling & Docs																										
IU22280	Closure Sampling 600-300	Y	90%	0	28-Feb-12 A	11-Mar-13																				
Final Project Closeout																										
IU22290	Prepare Closure Document 600-300	Y	0%	93	11-Mar-13	21-Aug-13																				
IU22300	RL/Reg Review of Draft A Closure Document 600-300	Y	0%	26	14-May-13	27-Jun-13																				
IU22310	RL/Reg Signature Rev.0 Closure Document 600-300	Y	0%	4	30-Jul-13	05-Aug-13																				
600-301																										
Excavation																										
IU223140	Excavation 600-301	Y	0%	6	19-Mar-13*	27-Mar-13																				
Loadout																										
IU223040	Loadout 600-301	Y	0%	5	28-Mar-13	04-Apr-13																				
Closeout Sampling & Docs																										
IU223100	Prepare Work Instruction 600-301	Y	0%	75	06-May-13*	17-Sep-13																				

Current Bar Labels % Complete

Activity ID	Activity Name	TPA	% Cmpl	RD	Start	Finish	Calendar																
							M	A	M	J	July 2013		A	S									
							0	1	2	0	1	2	0	1	2	0	1	2	0	1	2	0	
IU223110	RL/Reg Review of Draft A Work Instruction 600-301	Y	0%	26	25-Jun-13	08-Aug-13																	
IU223050	RL/Reg Signature Rev.0 WI 600-301	Y	0%	4	12-Aug-13*	15-Aug-13																	
600-303																							
Closeout Sampling & Docs																							
IU222600	Closure Sampling 600-303	Y	10%	26	20-Feb-13 A	23-Apr-13																	
Final Project Closeout																							
IU222610	Prepare Closure Document 600-303	Y	0%	83	24-Apr-13	19-Sep-13																	
IU222620	RL/Reg Review of Draft A Closure Document 600-303	Y	0%	26	01-Jul-13	14-Aug-13																	
600-316																							
Backfill																							
IU221440	Backfill 600-316	Y	0%	1	30-Jul-13*	30-Jul-13																	
Final Project Closeout																							
IU221500	Prepare Closure Document 600-316	Y	0%	93	11-Mar-13	21-Aug-13																	
IU221510	RL/Reg Review of Draft A Closure Document 600-316	Y	0%	26	14-May-13	27-Jun-13																	
IU221520	RL/Reg Signature Rev.0 Closure Document 600-316	Y	0%	4	30-Jul-13	05-Aug-13																	
600-317																							
Backfill																							
IU221550	Backfill 600-317	Y	0%	1	31-Jul-13*	31-Jul-13																	
600-318																							
Excavation																							
IU222430	Excavation (Farmstead Review 3 Sites) 600-318	Y	99%	1	05-Mar-12 A	11-Mar-13																	
Loadout																							
IU222440	Loadout (Farmstead Review 3 Sites) 600-318 (114 tons)	Y	99%	1	30-Apr-12 A	11-Mar-13																	
Backfill																							
IU221660	Backfill 600-318	Y	0%	1	01-Aug-13*	01-Aug-13																	
Closeout Sampling & Docs																							
IU221710	Closure Sampling 600-318	Y	50%	26	01-May-12 A	23-Apr-13																	
Final Project Closeout																							
IU221720	Prepare Closure Document 600-318	Y	0%	93	24-Apr-13	08-Oct-13																	
IU221730	RL/Reg Review of Draft A Closure Document 600-318	Y	0%	26	01-Jul-13	14-Aug-13																	
600-319																							
Backfill																							
IU221770	Backfill 600-319	N	0%	1	05-Aug-13*	05-Aug-13																	

Activity ID	Activity Name	TPA	% Cmpl	RD	Start	Finish	M		A		M		J		July 2013		A		S		
							0	1	1	2	0	0	1	2	2	0	1	2	2	0	1
Excavation																					
IU223910	Excavation 600-369	Y	0%	5	18-Apr-13	25-Apr-13															
Loadout																					
IU223810	Loadout 600-369	Y	0%	5	29-Apr-13	06-May-13															
Closeout Sampling & Docs																					
IU223870	Prepare Work Instruction 600-369	Y	0%	75	05-Jun-13	16-Oct-13															
IU223880	RL/Reg Review of Draft A Work Instruction 600-369	Y	0%	26	25-Jul-13	10-Sep-13															
600-371																					
Excavation																					
IU224130	Excavation 600-371	Y	0%	1	06-May-13	06-May-13															
Loadout																					
IU224030	Loadout 600-371	Y	0%	1	07-May-13	07-May-13															
Closeout Sampling & Docs																					
IU224090	Prepare Work Instruction 600-371	Y	0%	75	06-Jun-13	17-Oct-13															
IU224100	RL/Reg Review of Draft A Work Instruction 600-371	Y	0%	26	29-Jul-13	11-Sep-13															
600-372																					
Excavation																					
IU224240	Excavation 600-372	Y	0%	1	07-May-13	07-May-13															
Loadout																					
IU224140	Loadout 600-372	Y	0%	1	08-May-13	08-May-13															
Closeout Sampling & Docs																					
IU224200	Prepare Work Instruction 600-372	Y	0%	75	10-Jun-13	21-Oct-13															
IU224210	RL/Reg Review of Draft A Work Instruction 600-372	Y	0%	26	30-Jul-13	12-Sep-13															
600-375																					
Excavation																					
IU224570	Excavation 600-375	Y	0%	2	22-Apr-13	23-Apr-13															
Loadout																					
IU224470	Loadout 600-375	Y	0%	2	24-Apr-13	25-Apr-13															
Closeout Sampling & Docs																					
IU224530	Prepare Work Instruction 600-375	Y	0%	75	28-May-13	08-Oct-13															
IU224540	RL/Reg Review of Draft A Work Instruction 600-375	Y	0%	26	17-Jul-13	29-Aug-13															
IU224480	RL/Reg Signature Rev.0 WI 600-375	Y	0%	4	03-Sep-13	09-Sep-13															
600-376																					
Excavation																					

Current Bar Labels % Complete

Activity ID	Activity Name	TPA	% Cmpl	RD	Start	Finish	M	A	M	J	July 2013				A	S			
							0	1	2	0	1	2	0	1	2	0	1	2	0
IU224680	Excavation 600-376	Y	0%	1	24-Apr-13	24-Apr-13													
Loadout																			
IU224580	Loadout 600-376	Y	0%	1	25-Apr-13	25-Apr-13													
Closeout Sampling & Docs																			
IU224640	Prepare Work Instruction 600-376	Y	0%	75	28-May-13	08-Oct-13													
IU224650	RL/Reg Review of Draft A Work Instruction 600-376	Y	0%	26	17-Jul-13	29-Aug-13													
IU224590	RL/Reg Signature Rev.0 WI 600-376	Y	0%	4	03-Sep-13	09-Sep-13													
600-378																			
Excavation																			
IU224900	Excavation 600-378	Y	0%	1	02-May-13	02-May-13													
Loadout																			
IU224800	Loadout 600-378	Y	0%	1	06-May-13	06-May-13													
Closeout Sampling & Docs																			
IU224860	Prepare Work Instruction 600-378	Y	0%	75	05-Jun-13	16-Oct-13													
IU224870	RL/Reg Review of Draft A Work Instruction 600-378	Y	0%	26	25-Jul-13	10-Sep-13													
600-379																			
Excavation																			
IU225010	Excavation 600-379	Y	0%	1	29-May-13	29-May-13													
Loadout																			
IU224910	Loadout 600-379	Y	0%	1	30-May-13	30-May-13													
Closeout Sampling & Docs																			
IU224970	Prepare Work Instruction 600-379	Y	0%	75	01-Jul-13	11-Nov-13													
IU224980	RL/Reg Review of Draft A Work Instruction 600-379	Y	0%	26	20-Aug-13	03-Oct-13													
600-383																			
Excavation																			
IU225450	Excavation 600-383	N	0%	2	29-Apr-13	30-Apr-13													
Loadout																			
IU225350	Loadout 600-383	N	0%	2	01-May-13	02-May-13													
Closeout Sampling & Docs																			
IU225410	Prepare Work Instruction 600-383	N	0%	75	04-Jun-13	15-Oct-13													
IU225420	RL/Reg Review of Draft A Work Instruction 600-383	N	0%	26	24-Jul-13	09-Sep-13													
IU225360	RL/Reg Signature Rev.0 WI 600-383	N	0%	4	10-Sep-13	16-Sep-13													
600-385																			
Excavation																			

Current Bar Labels % Complete

9

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Attachment 6

Activity ID	Activity Name	% Cmpl	RD	Start	Finish	March 2013		April 2013		May 2013		June 2013		July 2013		A		S		
						0	1	1	2	0	0	1	2	2	0	1	2	2	0	1
100 D																				
Special Projects																				
100D100A373	Well Replacement @ 100-D (REA-184) 4 wells	75%	32	12-Nov-12 A	02-May-13															
Excavation																				
100D100A311A	Excavate 100-D-100: Tier 3 Phase 3 (215,000 BCM)	19%	63	13-Feb-13 A	27-Jun-13															
100D104A333	Excavate 100-D-104 Tier 3 Phase 1 (22,680 BCM)	38%	8	14-Feb-13 A	21-Mar-13															
100D100A393	Excavate Contaminated Stockpile Area (D-100 Tier 1&2 Chrome)	0%	12	11-Mar-13*	28-Mar-13															
RD05509AUW	Excavate 100-D-50:7 (5,125 BCM) (stage 3)	0%	10	20-Mar-13	04-Apr-13															
CBB0534A	Excavate 100-D-81 (2,417 BCM)	0%	4	04-Apr-13	11-Apr-13															
CBB0537A	Excavate 100-D-72 (3,506 BCM)	0%	1	04-Apr-13	08-Apr-13															
CBB0541A	Excavate 100-D-83:3 (182 BCM)	0%	0	08-Apr-13	08-Apr-13															
CBB0543A	Excavate 100-D-84:2 (634 BCM)	0%	1	08-Apr-13	09-Apr-13															
CBB0548A	Excavate 100-D-97 (128 BCM)	0%	1	09-Apr-13	09-Apr-13															
CBB0542A	Excavate 100-D-83:5 (14,788 BCM)	0%	17	10-Apr-13	08-May-13															
CBB0545A	Excavate 100-D-86:1 (5,200 BCM) **RAD**	0%	5	08-May-13	16-May-13															
CBB0544A	Excavate 100-D-85:2 (7,000 BCM) **RAD**	0%	6	16-May-13	29-May-13															
CBB0546A	Excavate 100-D-86:3 (1,817 BCM) **RAD**	0%	3	29-May-13	04-Jun-13															
RD10D301AUW2	Excavate 100-D-30 Plume Excavation (244,074 BCM)	0%	90	01-Jul-13	10-Dec-13															
RD10D301SP	Relocate Interfering Stockpile 100-D-30 Plume Excavation (3,600 B...	0%	10	01-Jul-13	17-Jul-13															
CBB0542A10	Demo 100-D-83:5 (14,788 BCM)	0%	15	15-Jul-13*	07-Aug-13															
CBB0545AA10	Demo 100-D-86:1 (5,200 BCM) **RAD**	0%	4	08-Aug-13*	14-Aug-13															
Loadout																				
100D100A383	Build New LDR Staging Area for 100-D-100 Tier 3	100%	0	21-Feb-13 A	07-Mar-13 A															
RD100D30A44	Loadout 100-D-30 (MHVs - 2,350 Tons) - ACL staged from prior su...	0%	2	13-Mar-13*	14-Mar-13															
100D77A342	Loadout 100-D-77 (MHVs - 795 Tons) - ACL staged from prior subc...	0%	1	14-Mar-13	18-Mar-13															
100D78A091	Loadout 100-D-78 (MHV - 5,950 Tons) ACL staged from prior subco...	0%	3	18-Mar-13	21-Mar-13															
RD05509284	Loadout 100-D-50:7 (MHVs - 728 Tons) - ACL staged from prior su...	0%	0	21-Mar-13	21-Mar-13															
100D100A394	Loadout 100-D-100 Tier 1&2 Stockpile Area (30,000 Tons)	0%	18	21-Mar-13*	23-Apr-13															
RD05507110	Loadout 100-D-50:7 (MHVs - 500 Tons)	0%	0	08-Apr-13	08-Apr-13															
100D100A372	Loadout 100-D-100 Tier 3 (LDR - 65,127 Tons)	0%	91	27-Jun-13	10-Dec-13															
CBB0546B	Loadout 100-D-86:3 (Orange Cans - 506 Tons)	0%	0	15-Jul-13	15-Jul-13*															
CBB0540B10	Loadout 100-D-85:2 (RAD)	0%	6	15-Jul-13	24-Jul-13															
100D100A313	Loadout 100-D-100 Tier 3 (Blue Dot Cans - 85,500 Tons)	0%	68	18-Jul-13*	18-Nov-13															
CBB0545B	Loadout 100-D-86:1 (Orange Cans - 1,384 Tons)	0%	0	08-Aug-13	08-Aug-13															
100D100A312	Loadout 100-D-100 Tier 3 (MHVs - 183,360 Tons)	0%	90	13-Aug-13*	29-Jan-14															
Backfill																				
RD1506400	Backfill - 100-D-50:6 (97,100 BCM)	65%	58	08-Jan-13 A	30-May-13															
RD67D51400	Backfill - 1607-D5 (710 BCM)	0%	1	27-Aug-13*	27-Aug-13															

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

Data Date: 11-Mar-13

CPP 100-H - Current after FR-519...

Page 1 of 4

TASK filter: 100-DH POW Content.

Activity ID	Activity Name	% Cmpl	RD	Start	Finish	March 2013		April 2013		May 2013		June 2013		July 2013		A		S								
						0	1	1	2	0	0	1	2	2	0	1	2	2	0	1	1	2	0	0	1	2
Revegetation																										
CBB0508E	Revegetation - 118-D-6	100%	0	01-Mar-13 A	04-Mar-13 A																					
CBB0515E	Revegetation - 100-D-50: 4/8	100%	0	04-Mar-13 A	04-Mar-13 A																					
RD67D1500	Reveg- Rem Wst Site - 1607-D1	100%	0	05-Mar-13 A	05-Mar-13 A																					
DMS060	100-D Reveg Window Closed	0%	0		31-Mar-13*																					
Final Project Closeout																										
RD15060340	Prepare Closure Document for 100-D-50:6	42%	64	06-Feb-13 A	01-Jul-13																					
Utilities (Electrical)																										
100D100A405	Power Pole Relocation - Closeout Docs (MSA Scope)	85%	12	25-Jan-13 A	22-Mar-13																					

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

Data Date: 11-Mar-13

CPP 100-H - Current after FR-519...

Attachment 7

Activity ID	Activity Name	% Cmpl	RD	Start	Finish	March 2013		April 2013		May 2013		June 2013		July 2013		A		S	
						0	1	2	0	1	2	0	1	2	0	1	2	0	1
100 H																			
Special Projects																			
HB512A4	Well Replacement (100-H REA 138)	0%	15	11-Mar-13*	03-Apr-13														
HB512A7	Reroute Pump & Treat Lines (100-H REA 138)	0%	19	12-Mar-13*	11-Apr-13														
HB512A3	Well Decommissioning (100-H REA 138)	0%	18	14-Mar-13*	15-Apr-13														
HB512A2	Reroute Export Water Line (100-H REA 138)	0%	48	18-Mar-13*	10-Jun-13														
HB512A8	Construct Access Road (100-H REA 138)	0%	10	18-Mar-13*	02-Apr-13														
HB512A1	Power Line Relocation (100-H REA 138)	0%	18	01-Apr-13*	30-Apr-13														
HB512A9	Power Air Monitor #4 (Required for H-28:2 work)	0%	4	20-May-13*	23-May-13														
Excavation																			
HB518A32	Demo 100-H-46	60%	6	05-Feb-13 A	19-Mar-13														
HB518A22D	Excavate 100-H-46 - Stage 1 *3 Meters Deep* (24,500 BCM)	52%	6	05-Feb-13 A	19-Mar-13														
HB518A42	Relocate 100-H-28:2 Stock Pile *Interferes w/H-46* (35,000 BCM)	0%	14	25-Mar-13*	16-Apr-13														
HB518A22ME	Excavate 100-H-46 - Stage 2 *To Groundwater* (61,000 BCM)	0%	24	16-Apr-13	29-May-13														
HB520A	Excavate 100-H-51:2 (873 BCM)	0%	1	28-May-13*	28-May-13														
HB515A	Excavate 100-H-42 (33,197 BCM) **RAD**	0%	14	30-May-13	24-Jun-13														
HB516A	Excavate 100-H-43 - Powerline Interference (819 BCM)	0%	1	04-Jun-13	05-Jun-13														
HB517A	Excavate 100-H-44 (24 BCM)	0%	1	06-Jun-13	10-Jun-13														
HB519A	Excavate 100-H-48 (1,300 BCM)	0%	1	10-Jun-13	11-Jun-13														
HB521A	Excavate 100-H-52 (225 BCM)	0%	0	11-Jun-13	11-Jun-13														
HB513A02	Excavate 100-H-28:4 Phase 2 (3,644 BCMs)	0%	4	11-Jun-13	18-Jun-13														
HB514A	Excavate 100-H-28:5 Section A - Power Line (650 BCM)	0%	1	18-Jun-13	19-Jun-13														
HB514A1	Excavate 100-H-28:5 Section B - All else (5,866 BCM)	0%	13	19-Jun-13	11-Jul-13														
HB512A	Excavate 100-H-28:3 Section A - Export Water Line (5,000 BCM)	0%	2	24-Jun-13	26-Jun-13														
HB512A5	Excavate 100-H-28:3 Section B - Power Line (12,500 BCM)	0%	5	26-Jun-13	08-Jul-13														
HB512A6	Excavate 100-H-28:3 Section C - All Else (9,788 BCM)	0%	4	08-Jul-13	15-Jul-13														
HB512A6U	Excavate 100-H-28:3 Section C - All Else (20,858 BCM)	0%	8	15-Jul-13	29-Jul-13														
HB511A013	Excavate 100-H-28:2 Phase 2 - Section A - Under Power Lines (45,...	0%	18	29-Jul-13	28-Aug-13														
HB515A10	Demo 100-H-42 **RAD**	0%	8	15-Aug-13*	28-Aug-13														
HB511A04	Excavate 100-H-28:2 Phase 2 - Section B - All Else (137,898 BCMs)	0%	55	28-Aug-13	09-Dec-13														
Loadout																			
HB518B1	Loadout 100-H-46 (MHVs - 127,351 Tons)	0%	63	23-Apr-13	13-Aug-13														
HB520B	Loadout 100-H-51:2 (Direct Load - 336 Tons)	0%	0	28-May-13	28-May-13														
HB518B2	Loadout 100-H-46 (LDR - 11,900 Tons)	0%	17	30-May-13	27-Jun-13														
HB516B	Loadout 100-H-43 (Blue Dot Containers - 1,803 Tons)	0%	1	04-Jun-13	05-Jun-13														
HB517B	Loadout 100-H-44 (Blue Dot Containers - 63 Tons)	0%	0	10-Jun-13	10-Jun-13														
HB519B	Loadout 100-H-48 (Blue Dot Containers - 951 Tons)	0%	0	11-Jun-13	11-Jun-13														
HB521B	Loadout 100-H-52 (Blue Dot Containers - 156 Tons)	0%	0	11-Jun-13	11-Jun-13														
HB513B4	Loadout 100-H-28:4 (Blue Dot Containers - 2,202 Tons)	0%	1	17-Jun-13	18-Jun-13														

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

Data Date: 11-Mar-13

CPP 100-H - Current after FR-519...

Activity ID	Activity Name	% Cmpl	RD	Start	Finish	March 2013		April 2013		May 2013		June 2013		July 2013		A		S								
						0	1	1	2	0	0	1	2	2	0	1	2	2	0	1	1	2	0	0	1	2
HB514B1	Loadout 100-H-28:5 (Blue Dot Containers - 4,096 Tons)	0%	2	03-Jul-13	09-Jul-13																					
HB518B3	Loadout 100-H-46 (Blue Dot Containers - 10,749 Tons)	0%	5	09-Jul-13	17-Jul-13																					
Backfill																										
HB503C	Backfill - 116-H-5 (2,857 BCM)	100%	0	01-Mar-13 A	06-Mar-13 A																					
In-Process Sampling																										
HB518A22A1S	In-Process Samp 100-H-46	0%	35	16-Apr-13	18-Jun-13																					

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

Data Date: 11-Mar-13

CPP 100-H - Current after FR-519...

MEMORANDUM FOR THE DIRECTOR OF THE BUREAU OF REVENUE
SUBJECT: [Illegible]
DATE: [Illegible]

(7)

Attachment 8

100 Area D4/ISS Status

March 14, 2013

100-N

1904-N Sanitary Sewer Lagoon and Lift Station No. 1 – Below grade demolition of the 1904-N continues. Mixing of remaining sludge with soil to absorb free liquids is complete. Loadout of debris and soil continues.

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 – 183-D Headhouse demolition started February 22nd. Demolition of the remainder of the facility to follow.

151-D Electrical Substation – Currently undergoing asbestos removal in preparation for demolition.

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, which is almost complete.

105-B Reactor Washpad Annex – Work package for hazmat removal and demolition are complete. Currently awaiting 105-B sediment removal project to complete which will free resources to perform the work.

151-B Electrical Substation – Hazmat removal and asbestos abatement almost complete. Demolition planned for this month.

181

8

Attachment 9

170198

Callison, Stacey W

From: Kapell, Arthur (ECY) [akap461@ECY.WA.GOV] 100-D-100 COCs
Sent: Monday, December 10, 2012 7:57 AM
To: Callison, Stacey W; Post, Thomas C 100-D-30/104 COCs
Cc: Winterhalder, John A; Crumpler, Joe
Subject: RE: December 5, 2012, meeting 100-D-50:6

Stacey,

I am in agreement with the six items you have outlined in the accompanying email. Let me know if you have any questions.

Artie Kapell
Washington State Department of Ecology
Nuclear Waste Program
(509) 372-7895
akap461@ecy.wa.gov

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

From: Callison, Stacey W [mailto:swcallis@wch-rcc.com]
Sent: Wednesday, December 05, 2012 3:11 PM
To: Kapell, Arthur (ECY)
Cc: Winterhalder, John A; Crumpler, Dwayne (ECY)
Subject: December 5, 2012, meeting

Artie -

Below is a summary of the agreements we've made recently that we need your concurrence on. Some of these you've already concurred on, but I included them in the numbered list anyway to have them in a single summary.

1. The verification contaminants of concern (COCs) for the 100-D-100 excavation, below cleanup level (BCL) soil stockpiles, and waste staging areas are Total Chromium and Hexavalent Chromium.
2. The verification COCs for the 100-D-30/104 excavation, BCL soil stockpiles, and waste staging areas are Total Chromium, Hexavalent Chromium, and Mercury.
3. It is acceptable to stockpile BCL soil from the 100-D-100 site into the adjacent 100-D-50:6 excavation.
4. Additional remediation will occur at the "Pipe-4" sample location in the 100-D-50:6 excavation. Remediation will be guided by the visual removal of the asbestos pipe coating from the excavation. The "Pipe-4" area will be sampled following additional remediation.
5. Because of PAH detections associated with asphaltic tar, additional soils from the 100-D-50:6 staging pile area at sample location "SPA-8" will be removed. Following soil removal, the "SPA-8" sample location will be sampled. An additional 4 samples will be collected surrounding the excavation to ensure enough soil in the "SPA-8" vicinity has been removed. The removed soil will be placed in the 100-D-50:6 excavation at a depth greater than 15 feet beneath surface grade.
6. Because of PAH detections associated with asphaltic tar, soils from the "OB-8" sample location of the 100-D-50:6 BCL soil pile will be used as backfill at a depth greater than 15 feet below the ground surface.

While there were a wide range of topics discussed and generally agreed to, the above are specific and necessary in order to proceed. Some of the other discussions and agreements were centered around process and included preparing a single verification work instruction for BCL soil piles, verification work instructions for the remediation excavation,

consulting Ecology when additional remediation is necessary following verification sampling and presenting verification data while site remediation proceeds. While a common understanding and agreement on process is important, the specific concurrences the project needs to proceed are listed in the numbered list above. Other discussion from today's interface meeting will be summarized in the interface meeting minutes.

Thanks.

Stacey Callison
509-778-1821

^WCH Document Control

From: Warren, David J
Sent: Thursday, March 14, 2013 9:09 AM
To: ^WCH Document Control
Subject: 100-D Regulatory Agreements for CHRON

Attachments: MO1141.PDF; MO114000.PDF; MO114001.PDF; MO114002.PDF

Please CHRON the 4 attached documents as they represent regulatory agreements. Please assign individual CHRONs to each one, titles should be as they are written below the document. Thanks.

Dave Warren
100-D Area EPL
539-6040



MO1141.PDF (80
KB)

Ecology concurrence of agreements from 12/5/12 100-D/H FR Ecology Interface meeting



MO114000.PDF
(128 KB)

Ecology concurrence on 100-D-100 BCL Verification instruction lift 1 South overburden stockpile



MO114001.PDF
(74 KB)

Ecology concurrence on 100-D-100 BCL Verification instruction concurrence lift 1 North overburden stockpile



MO114002.PDF
(69 KB)

Ecology concurrence on 100-D-100 BCL Verification instruction concurrence lift 1 stockpile 1 outside 100-D-50:6

Attachment 10

170199

100-D-100 BCL verification
Lift 1 - South 100-D-100:6

instruction
concurrency

Callison, Stacey W

From: Kapell, Arthur (ECY) [akap461@ECY.WA.GOV]
Sent: Monday, January 14, 2013 2:46 PM
To: Callison, Stacey W
Cc: Boyd, Alicia
Subject: RE: 100-D-100 Clean Layback (BCL) stockpile verification sampling to begin Monday (1/14/13)

Stacey,

I have reviewed the verification sampling work instruction for lift 1 of the south overburden/layback stockpile and am sending my concurrence. I'd appreciate if this document could be placed on the ftp site. Thanks.

Artie Kapell
Washington State Department of Ecology
Nuclear Waste Program
(509) 372-7895
akap461@ecy.wa.gov

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

From: Callison, Stacey W [mailto:swcallis@wch-rcc.com]
Sent: Monday, January 14, 2013 8:40 AM
To: Kapell, Arthur (ECY)
Subject: RE: 100-D-100 Clean Layback (BCL) stockpile verification sampling to begin Monday (1/14/13)

Artie -

Attached is the document with the requested changes. Future ones will include a pile location map. Thanks.

Stacey

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

From: Kapell, Arthur (ECY) [mailto:akap461@ECY.WA.GOV]
Sent: Monday, January 14, 2013 8:35 AM
To: Callison, Stacey W
Subject: RE: 100-D-100 Clean Layback (BCL) stockpile verification sampling to begin Monday (1/14/13)

Thanks Stacey. In the future please include the location map as part of the BCL stockpile verification submission. My apologies about requesting one more change to the verification document, but I had also just noticed that there was no indication of what contaminants would be sampled for the control duplicate. Can you please resubmit with the sample analysis for ICP metals and hexavalent chromium? Once I receive that I will send you concurrence. Thanks.

Artie Kapell
Washington State Department of Ecology
Nuclear Waste Program
(509) 372-7895
akap461@ecy.wa.gov

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

From: Callison, Stacey W [mailto:swcallis@wch-rcc.com]
Sent: Monday, January 14, 2013 7:49 AM
To: Kapell, Arthur (ECY)
Subject: RE: 100-D-100 Clean Layback (BCL) stockpile verification sampling to begin Monday (1/14/13)

Artie -

As requested attached is a sketch showing the general location of the pile within the 100-D-50:6 excavation. The pile is approximately 8 feet tall. We'll add "(0 to ~8 feet above ground surface)" to the title as suggested.

Stacey

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

From: Kapell, Arthur (ECY) [mailto:akap461@ECY.WA.GOV]
Sent: Friday, January 11, 2013 1:33 PM
To: Callison, Stacey W
Subject: RE: 100-D-100 Clean Layback (BCL) stockpile verification sampling to begin Monday (1/14/13)

Stacey,

One more item regarding the BCL stockpile verification document. Please put on this and future verification documents the approximate height of the stockpile. This could be in the title, such as "Lift 1 (0 to 2 m above ground surface) of South Overburden/Layback Soil Stockpile." Thanks.

Artie Kapell
Washington State Department of Ecology
Nuclear Waste Program
(509) 372-7895
akap461@ecy.wa.gov

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

From: Callison, Stacey W [mailto:swcallis@wch-rcc.com]
Sent: Thursday, January 10, 2013 12:41 PM
To: Kapell, Arthur (ECY)
Subject: 100-D-100 Clean Layback (BCL) stockpile verification sampling to begin Monday (1/14/13)

Artie -

Attached are the first 100-D-100 BCL stockpile verification sample locations. These locations are from a BCL stockpile, located in the southeast area of the 100-D-50:6 excavation. We anticipate collecting these samples on Monday (1/14/13) and will likely review the results with you early the week of January 21st.

I'll give you a call. You may be on your way to UMM, if so, I'll leave you a phone message. Please feel free to call with any questions. Thanks.

Stacey Callison
509-778-1821

100-D-100 BCL verification

verification
data concurrence

Callison, Stacey W *Lift 1 - North 100-D-50:6*

From: Kapell, Arthur (ECY) [akap461@ECY.WA.GOV]
Sent: Tuesday, January 22, 2013 10:16 AM
To: Callison, Stacey W
Subject: RE: 100-D-100 Overburden/Layback Verification Data - North Area of 50:6

Stacey,

I noticed that you are listing ICP metals and hexavalent chromium in the sample analysis tables for 100-D-100. Please change this to hexavalent chromium and total chromium in the work instruction documents previously submitted. Thanks.

Otherwise, I am in agreement that results indicate that cleanup goals have been met for the south and north overburden/lackback stockpiles lift 1.

Artie Kapell
Washington State Department of Ecology
Nuclear Waste Program
(509) 372-7895
akap461@ecy.wa.gov

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

From: Callison, Stacey W [mailto:swcallis@wch-rcc.com]
Sent: Tuesday, January 22, 2013 10:01 AM
To: Kapell, Arthur (ECY)
Subject: 100-D-100 Overburden/Layback Verification Data - North Area of 50:6

Artie -

Attached is a summary of the next set of verification data from the overburden/layback (BCL) pile. This set of data is for the north area of 50:6. The results indicate that cleanup goals have been met.

Also attached for reference is the sample location information that you've previously seen.

We anticipate beginning placement of the next lift of BCL soil soon. I'll give you a call to discuss. Thanks.

Stacey
509-778-1821

^WCH Document Control

From: Warren, David J
Sent: Thursday, March 14, 2013 9:09 AM
To: ^WCH Document Control
Subject: 100-D Regulatory Agreements for CHRON

Attachments: MO1141.PDF; MO114000.PDF; MO114001.PDF; MO114002.PDF

Please CHRON the 4 attached documents as they represent regulatory agreements. Please assign individual CHRONs to each one, titles should be as they are written below the document. Thanks.

Dave Warren
100-D Area EPL
539-6040



MO1141.PDF (80
KB)

Ecology concurrence of agreements from 12/5/12 100-D/H FR Ecology Interface meeting



MO114000.PDF
(128 KB)

Ecology concurrence on 100-D-100 BCL Verification instruction lift 1 South overburden stockpile



MO114001.PDF
(74 KB)

Ecology concurrence on 100-D-100 BCL Verification instruction concurrence lift 1 North overburden stockpile



MO114002.PDF
(69 KB)

Ecology concurrence on 100-D-100 BCL Verification instruction concurrence lift 1 stockpile 1 outside 100-D-50:6

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Attachment 11

170200

100-D-100 BCL verification

instruction
concurrency

Callison, Stacey W

Lift 1 - North 100-D-50:6

From: Kapell, Arthur (ECY) [akap461@ECY.WA.GOV]
Sent: Tuesday, January 15, 2013 3:50 PM
To: Callison, Stacey W
Cc: Thompson, Wendy S
Subject: RE: 100-D-100 Clean Layback (BCL) stockpile verification sampling, north area

Stacey,

This email is to provide concurrence for the verification sample locations for Lift 1 of the North Overburden soil stockpile. I'd appreciate if the site maps could include the outline of 100-D-50.6. Thanks.

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

From: Callison, Stacey W [mailto:swcallis@wch-rcc.com]
Sent: Tuesday, January 15, 2013 8:07 AM
To: Kapell, Arthur (ECY)
Cc: Thompson, Wendy S
Subject: 100-D-100 Clean Layback (BCL) stockpile verification sampling, north area

Artie -

Attached is the next area of BCL soil proceeding to verification sampling. As requested we've included a pile location figure. This will be placed on the FTP site soon.

Stacey

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

From: Thompson, Wendy S
Sent: Tuesday, January 15, 2013 7:50 AM
To: Woolery, Donald W; Callison, Stacey W
Cc: Harrison, Robert P; Beach, Christopher L; Warren, David J; Howell, Theresa Q; Nielson, Renee J
Subject: RE: 100-D-100 Clean Layback (BCL) stockpile verification sampling to begin Monday (1/14/13)

Here you go...let me know if you need any changes. When ready, I can put on the FTP site for Artie.

Wendy

100-D-100 BCL verification

verification
data concurrence

Callison, Stacey W Lift 1 - North 100-D-50:6

From: Kapell, Arthur (ECY) [akap461@ECY.WA.GOV]
Sent: Tuesday, January 22, 2013 10:16 AM
To: Callison, Stacey W
Subject: RE: 100-D-100 Overburden/Layback Verification Data - North Area of 50:6

Stacey,

I noticed that you are listing ICP metals and hexavalent chromium in the sample analysis tables for 100-D-100. Please change this to hexavalent chromium and total chromium in the work instruction documents previously submitted. Thanks.

Otherwise, I am in agreement that results indicate that cleanup goals have been met for the south and north overburden/lackback stockpiles lift 1.

Artie Kapell
Washington State Department of Ecology
Nuclear Waste Program
(509) 372-7895
akap461@ecy.wa.gov

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

From: Callison, Stacey W [mailto:swcallis@wch-rcc.com]
Sent: Tuesday, January 22, 2013 10:01 AM
To: Kapell, Arthur (ECY)
Subject: 100-D-100 Overburden/Layback Verification Data - North Area of 50:6

Artie

Attached is a summary of the next set of verification data from the overburden/layback (BCL) pile. This set of data is for the north area of 50:6. The results indicate that cleanup goals have been met.

Also attached for reference is the sample location information that you've previously seen.

We anticipate beginning placement of the next lift of BCL soil soon. I'll give you a call to discuss. Thanks.

Stacey
509-778-1821

^WCH Document Control

From: Warren, David J
Sent: Thursday, March 14, 2013 9:09 AM
To: ^WCH Document Control
Subject: 100-D Regulatory Agreements for CHRON

Attachments: MO1141.PDF; MO114000.PDF; MO114001.PDF; MO114002.PDF

Please CHRON the 4 attached documents as they represent regulatory agreements. Please assign individual CHRONs to each one, titles should be as they are written below the document. Thanks.

Dave Warren
100-D Area EPL
539-6040



MO1141.PDF (80
KB)

Ecology concurrence of agreements from 12/5/12 100-D/H FR Ecology Interface meeting



MO114000.PDF
(128 KB)

Ecology concurrence on 100-D-100 BCL Verification instruction lift 1 South overburden stockpile



MO114001.PDF
(74 KB)

Ecology concurrence on 100-D-100 BCL Verification instruction concurrence lift 1 North overburden stockpile



MO114002.PDF
(69 KB)

Ecology concurrence on 100-D-100 BCL Verification instruction concurrence lift 1 stockpile 1 outside 100-D-50:6

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Attachment 12

100-D-100 BCL verification
Lift 1 - stockpile 1 (outside D-50:6)

170201

instruction
concurrency

Callison, Stacey W
From: Kapell, Arthur (ECY) [akap461@ECY.WA.GOV]
Sent: Friday, January 25, 2013 9:07 AM
To: Callison, Stacey W
Cc: Crumpler, Joe
Subject: RE: 100-D-100 Area 1 Stockpile 1 Verification Lift 1 VSP

Stacey,

I have reviewed the verification sampling locations for the Area 1, Stockpile 1, Lift overburden/layback soil stockpile and am sending my concurrence.

Artie Kapell
Washington State Department of Ecology
Nuclear Waste Program
(509) 372-7895
akap461@ecy.wa.gov

From: Callison, Stacey W [mailto:swcallis@wch-rcc.com]
Sent: Thursday, January 24, 2013 1:00 PM
To: Kapell, Arthur (ECY)
Cc: Thompson, Wendy S
Subject: 100-D-100 Area 1 Stockpile 1 Verification Lift 1 VSP

Artie

Attached is the next area of BCL soil proceeding to verification sampling. This is for the BCL pile located outside of the 100-D-50:6 excavation (see green shaded location on Figure 2). This document will be placed on the FTP site soon.

Stacey

<< File: Area 1 Stockpile 1-Lift 1 VSP.doc >>

100-D-100 BCL verification

Callison, Stacey W

Lift 1 - Stockpile 1 (outside 0-50:6)

verification
data
concurrent

From: Kapell, Arthur (ECY) [akap461@ECY.WA.GOV]
Sent: Wednesday, February 06, 2013 9:02 AM
To: Callison, Stacey W
Cc: Crumpler, Joe; Thompson, Wendy S
Subject: RE: 100-D-100 Overburden/Layback Verification Data - Area 1 Stockpile 1 Lift 1

Stacey,

I have reviewed the 100-D-100 overburden/layback verification data from Area 1 Stockpile 1 Lift 1 and concur with the statement that the results indicate that cleanup goals have been met.

I realize they are not COPCs, but I would appreciate seeing verification data for the ICP metal analyses for all lifts. Thanks.

Artie Kapell
Washington State Department of Ecology
Nuclear Waste Program
(509) 372-7895
akap461@ecy.wa.gov

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

From: Callison, Stacey W [mailto:swcallis@wch-rcc.com]
Sent: Tuesday, February 05, 2013 10:36 AM
To: Kapell, Arthur (ECY)
Cc: Crumpler, Dwayne (ECY); Thompson, Wendy S
Subject: 100-D-100 Overburden/Layback Verification Data - Area 1 Stockpile 1 Lift 1

Artie -

Attached is a summary of the next set of verification data from the overburden/layback (BCL) pile. This set of data is for the BCL pile outside and to the southeast of the 100-D-50:6 excavation. The results indicate that cleanup goals have been met.

Also attached for reference is the sample location information that you've previously seen. Thanks.

Stacey
509-778-1821

^WCH Document Control

From: Warren, David J
Sent: Thursday, March 14, 2013 9:09 AM
To: ^WCH Document Control
Subject: 100-D Regulatory Agreements for CHRON

Attachments: MO1141.PDF; MO114000.PDF; MO114001.PDF; MO114002.PDF

Please CHRON the 4 attached documents as they represent regulatory agreements. Please assign individual CHRONs to each one, titles should be as they are written below the document. Thanks.

Dave Warren
100-D Area EPL
539-6040



MO1141.PDF (80
KB)

Ecology concurrence of agreements from 12/5/12 100-D/H FR Ecology Interface meeting



MO114000.PDF
(128 KB)

Ecology concurrence on 100-D-100 BCL Verification instruction lift 1 South overburden stockpile



MO114001.PDF
(74 KB)

Ecology concurrence on 100-D-100 BCL Verification instruction concurrence lift 1 North overburden stockpile



MO114002.PDF
(69 KB)

Ecology concurrence on 100-D-100 BCL Verification instruction concurrence lift 1 stockpile 1 outside 100-D-50:6

Attachment 13

Activity ID	Activity Name	% Cmpl	RD	Start	Finish	March 2013				April 2013				May 2013				2013
						04	11	18	25	01	08	15	22	29	06	13	20	27

FY13 CPP 100-N AREA CURRENT

Excavation

NB507A10	Plume Excavation - 100-N-23 (500 BCMs)	95%	4	09-Nov-12 A	14-Mar-13														
NB578A20	100-N-63:2 Plume Excavation (20K BCM)	90%	8	20-Nov-12 A	21-Mar-13														
NB575A	Plume Excavation - UPR-100-N-7 (1K BCMs)	75%	6	07-Jan-13 A	19-Mar-13														
NB546A	Excavation - UPR-100-N-10 (0 BCMs)	75%	6	07-Jan-13 A	19-Mar-13														
NB548A	Excavation - UPR-100-N-12 (0 BCMs)	75%	6	07-Jan-13 A	19-Mar-13														
NB563A	Excavation - UPR-100-N-3 (0 BCMs)	75%	6	07-Jan-13 A	19-Mar-13														
NB531A10	Plume Excavation - 118-N-1 (4,000 BCMs)	75%	6	07-Jan-13 A	19-Mar-13														
NB552D017	In Process Sampling - UPR-100-N-18	25%	19	21-Jan-13 A	10-Apr-13														
NB565A10	Plume Excavation - UPR-100-N-31 (500 BCMs)	95%	1	04-Feb-13 A	11-Mar-13														
NB587A	Excavation - 100-N-79 (703.12 BCM)	0%	7	20-Mar-13	01-Apr-13														
NB596A	Excavation - 120-N-4 (646.86 BCM)	0%	2	25-Mar-13*	26-Mar-13														
NB5A1A	Excavation - 100-N-93 (27,000 BCM)	0%	31	25-Mar-13	15-May-13														
NB597A	Excavation - 628-2 (1,965.73 BCM)	0%	6	27-Mar-13	04-Apr-13														
NB599A	Excavation - 100-N-86 (1182.22 BCM)	0%	4	01-Apr-13*	04-Apr-13														
NB5B1A	Excavation - 100-N-81 (690 BCM)	0%	2	01-Apr-13*	02-Apr-13														
NB590A	Excavation - 100-N-91 (4.05 BCM)	0%	1	02-Apr-13	02-Apr-13														
NB591A	Excavation - 100-N-94 (51.34 BCM)	0%	1	03-Apr-13	03-Apr-13														
NB5092A	Excavation - 100-N-95 (2,256.59 BCM)	0%	2	04-Apr-13	08-Apr-13														
NB586A	Excavation - 100-N-68 (824.5 BCM)	0%	2	08-Apr-13*	09-Apr-13														
NB5093A	Excavation - 100-N-97 (10.09 BCM)	0%	1	09-Apr-13	09-Apr-13														
NB594A	Excavation - 100-N-99 (40.33 BCM)	0%	1	10-Apr-13	10-Apr-13														
NB595A	Excavation - 100-N-100 (89.58 BCM)	0%	1	11-Apr-13	11-Apr-13														
NB5A3A	Excavation - 100-N-101 (132.36 BCM)	0%	1	16-May-13	16-May-13														
NB5B2A	Excavation - 100-N-83 (20,659 BCM)	0%	28	16-May-13	08-Jul-13														
NB5A4A	Excavation - 600-340 (132.36 BCM)	0%	1	20-May-13	20-May-13														
NB5B8A	Excavation - 100-N-84:6 (12,721 BCM)	0%	50	28-May-13*	22-Aug-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														

Loadout

NB507B10	Plume Loadout - 100-N-23 (1000 USTs)	95%	4	09-Nov-12 A	14-Mar-13														
NB578A30	100-N-63:2 Plume Loadout (25K Tons)	90%	8	20-Nov-12 A	21-Mar-13														
NB578B60	Loadout - 100-N-63 AUW Quantities FY12	80%	8	20-Nov-12 A	21-Mar-13														
NB575B	Plume Loadout - UPR-100-N-7 (3K USTs)	75%	6	07-Jan-13 A	19-Mar-13														
NB546B	Loadout - UPR-100-N-10 (0 USTs)	75%	6	07-Jan-13 A	19-Mar-13														
NB548B	Loadout - UPR-100-N-12 (0 USTs)	75%	6	07-Jan-13 A	19-Mar-13														
NB563B	Loadout - UPR-100-N-3 (0 USTs)	75%	6	07-Jan-13 A	19-Mar-13														
NB531B10	Plume Loadout - 118-N-1 (30,000 USTs)	75%	6	07-Jan-13 A	19-Mar-13														

Actual Work
 Milestone
 Actual Milestone
 Remaining Work
 % Complete

Data Date: 11-Mar-13

Activity ID	Activity Name	% Cmpl	RD	Start	Finish	March 2013				April 2013				May 2013				2013	
						04	11	18	25	01	08	15	22	29	06	13	20	27	03
NB541B10	Loadout (North Pond) - 130-N-1 (40,000 USTs)	60%	8	30-Jan-13 A	21-Mar-13														
NB565B10	Plume Loadout - UPR-100-N-31 (1,000 USTs)	95%	1	04-Feb-13 A	11-Mar-13														
NB587B	Loadout - 100-N-79 (702.57 UST)	0%	7	20-Mar-13	01-Apr-13														
NB596B	Loadout - 120-N-4 (1,379.16 UST)	0%	2	25-Mar-13	26-Mar-13														
NB5A1B	Loadout - 100-N-93 (50,000 UST)	0%	31	25-Mar-13	15-May-13														
NB552D30	Second Phase Plume Loadout - UPR-100-N-18 and UPR-100-N-20	0%	11	25-Mar-13*	10-Apr-13														
NB597B	Loadout - 628-2 (4,102.56 UST)	0%	6	27-Mar-13	04-Apr-13														
NB599B	Loadout - 100-N-86 (805.42 UST)	0%	4	01-Apr-13	04-Apr-13														
NB5B1B	Loadout - 100-N-81 (1,518.0 UST)	0%	2	01-Apr-13	02-Apr-13														
NB590B	Loadout - 100-N-91 (0.71 UST)	0%	1	02-Apr-13	02-Apr-13														
NB591B	Loadout - 100-N-94 (49.5 UST)	0%	1	03-Apr-13	03-Apr-13														
NB5092B	Loadout - 100-N-95 (611.56 UST)	0%	2	04-Apr-13	08-Apr-13														
NB586B	Loadout - 100-N-68 (1,254.79 UST)	0%	2	08-Apr-13	09-Apr-13														
NB5093B	Loadout - 100-N-97 (5.94 UST)	0%	1	09-Apr-13	09-Apr-13														
NB594B	Loadout - 100-N-99 (42.1 UST)	0%	1	10-Apr-13*	10-Apr-13														
NB595B	Loadout - 100-N-100 (49.5 UST)	0%	1	11-Apr-13	11-Apr-13														
NB5A3B	Loadout - 100-N-101 (220.0 UST)	0%	1	16-May-13	16-May-13														
NB5B2B	Loadout - 100-N-83 (45,451 UST)	0%	28	16-May-13	08-Jul-13														
NB5A4B	Loadout - 600-340 (220 UST)	0%	1	20-May-13	20-May-13														
NB5B8B	Loadout - 100-N-84:6 (27,987 UST)	0%	50	28-May-13	22-Aug-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														

 Actual Work
 Milestone
 Actual Milestone
 Remaining Work
 % Complete

Data Date: 11-Mar-13

13

Attachment 14

170196

^WCH Document Control

From: Saueressig, Daniel G
Sent: Thursday, March 14, 2013 8:09 AM
To: ^WCH Document Control
Subject: FW: UPR-100-N-31 Request to m=Move SZ-8 to Deep Zone:
Attachments: UPR-100-N-31 proposal to move SZ-8 to deep zone.doc
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: Thursday, March 14, 2013 8:07 AM
To: Elliott, Wanda; Jakubek, Joshua E
Cc: Nielson, Renee J; Saueressig, Daniel G; Buckmaster, Mark A
Subject: RE: UPR-100-N-31 Request to m=Move SZ-8 to Deep Zone:

I concur with the approach also as described in the attachment.

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: Wednesday, March 13, 2013 9:14 AM
To: Jakubek, Joshua E; Chance, Joanne C
Cc: Nielson, Renee J; Saueressig, Daniel G; Buckmaster, Mark A
Subject: RE: UPR-100-N-31 Request to m=Move SZ-8 to Deep Zone:

I concur with the approach as outlined.

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: Wednesday, March 13, 2013 7:38 AM
To: Elliott, Wanda (ECY); Chance, Joanne C
Cc: Nielson, Renee J; Saueressig, Daniel G; Buckmaster, Mark A
Subject: UPR-100-N-31 Request to m=Move SZ-8 to Deep Zone:

Good morning, I have attached our request to move verification sample location SZ-8 to the deep zone decision unit of the UPR-100-N-31 Group of sites. Please look over the attached request and let us know if you concur with this approach.

<< File: UPR-100-N-31 proposal to move SZ-8 to deep zone.doc >>

Thanks,

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

3/14/2013

Proposal to move the UPR-100-N-31 SZ-8 sample to the deep zone decision unit

Background Information

Remedial action at the UPR-100-N-4, UPR-100-N-8, and UPR-100-N-31 grouping of waste sites was performed between December 13, 2011, and March 19, 2012. The site was divided into deep zone and shallow zone decision units for waste site closure. Verification sampling was conducted on October 10, 2012 and November 5-6, 2012 as per the approved verification work instruction. Twelve statistical samples plus quality assurance/quality control (QA/QC) samples were specified for each of the two decision units. In addition, four focused sample locations were identified in the deep zone of the waste site.

Three sample locations within the shallow zone decision unit (SZ-6, SZ-8, and SZ-9) failed direct exposure remedial action goals (RAGs) for one or more radionuclides; specifically, SZ-6 failed for strontium-90, SZ-8 failed for cesium-137, and SZ-9 failed for strontium-90 and cesium-137.

Initial Path Forward

A plume chase agreement to remove additional material in the shallow zone decision unit at the locations of the failed samples and resample for the failing analytes was approved in December 2012 (CCN 169053).

Analytical Results Summary

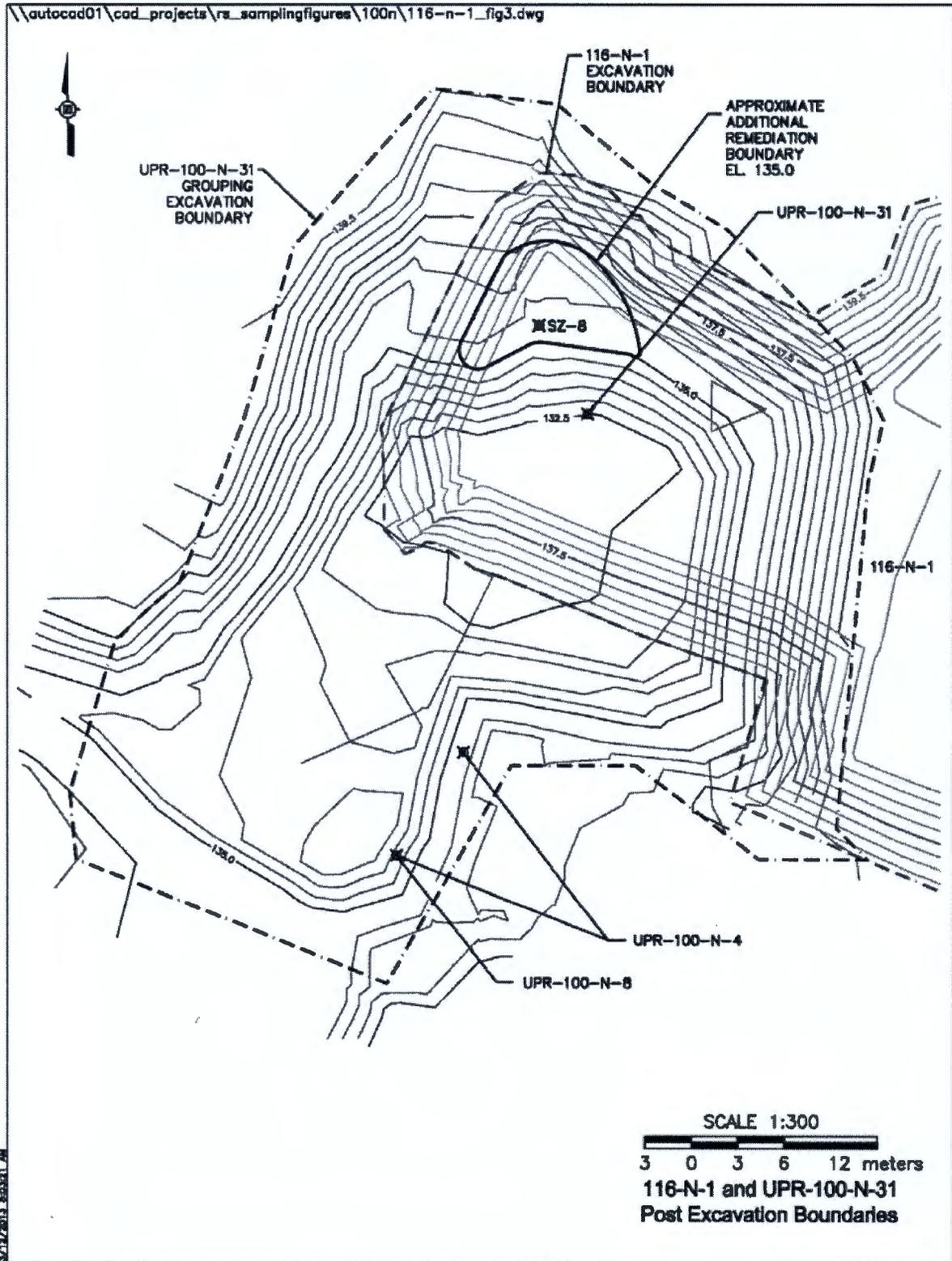
Additional contaminated soil was removed from locations SZ-6, SZ-8, and SZ-9 per the approved plume chase agreement, and replacement samples were collected on February 12, 2013. The resulting analytical data showed that the radionuclide concentrations at the SZ-6 and SZ-9 locations are below the lookup values. However, the radionuclide concentrations at the SZ-8 were found to be higher than the original sample.

As described in the verification work instruction, during the initial remediation of the UPR-100-N-4, UPR-100-N-8, and UPR-100-N-31 unplanned release sites, increasing radiological activity was observed with depth as the remediation approached the former 116-N-1 crib. Evidence suggests that the remediation has encountered residual 116-N-1 contamination left in-place in the deep zone with an approved interim site reclassification. The figure below shows the overlap of the 116-N-1 remediation and the combined UPR-100-N-4, UPR-100-N-8, and UPR-100-N-31 excavation. It is believed that the additional remediation at the SZ-8 sample location has also encountered the residual 116-N-1 contamination. The elevation at the SZ-8 location following additional remediation is 135 m (443 ft) bgs which is now in the deep zone of the site.

Proposed Path Forward

Because the replacement sample collected from SZ-8 is below 4.6 m (15 ft), Washington Closure Hanford proposes moving the SZ-8 sample into the deep zone decision unit as a focused sample location and proceeding with closure of the waste site with 11 statistical samples in the shallow zone. The SZ-8 sample data will be included with the deep zone data and presented in the remaining sites verification package.

**Figure 1. UPR-100-N-4, UPR-100-N-8, and UPR-100-N-31 Excavation Boundary
Overlay on the 116-N-1 Excavation Boundary**



Attachment 15

170203

^WCH Document Control

From: Saueressig, Daniel G
Sent: Thursday, March 14, 2013 12:07 PM
To: ^WCH Document Control
Subject: FW: 100-N-90 Rod Cave closure Proposal

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: Thursday, March 14, 2013 12:06 PM
To: Saueressig, Daniel G
Cc: Buckmaster, Mark A; Howell, Theresa Q; Elliott, Wanda
Subject: RE: 100-N-90 Rod Cave closure Proposal

Hi Dan,

Thanks for the clarification. I concur with the plan for closure documentation.

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: Saueressig, Daniel G [mailto:dgsauere@wch-rcc.com]
Sent: Thursday, March 14, 2013 11:41 AM
To: Chance, Joanne C
Cc: Buckmaster, Mark A; Howell, Theresa Q
Subject: RE: 100-N-90 Rod Cave closure Proposal

Joanne, FR did not have an excavation design for the 100-N-90, it was included in the 117-N excavation. D4 did have a design for that building since it was expected to go 20 feet below ground surface. The rod caves were above grade in a berm next to the north wall of the building. The FSCF will be referenced in the closure documentation.

Let me know if you have any other questions.

3/14/2013

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 13, 2013 9:50 AM
To: Saueressig, Daniel G
Cc: Buckmaster, Mark A; Howell, Theresa Q
Subject: RE: 100-N-90 Rod Cave closure Proposal

Hi Dan,

What was the maximum design depth of the Rod Caves? I did not see this information in the handouts or in RTD Memo, and it would be good to document it with the closure package. Also, will the closure package include the FSCF? Thanks for clarification.

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 12, 2013 11:22 AM
To: Chance, Joanne C; Howell, Theresa Q; Saueressig, Daniel G
Cc: Buckmaster, Mark A; Boyd, Alicia (ECY); Menard, Nina (ECY)
Subject: 100-N-90 Rod Cave closure Proposal

I have reviewed the information provided to me on the 100-N-90 rod caves and agree that the survey information can be used to close the site without any further sampling or laboratory analyses.

Decision based on:

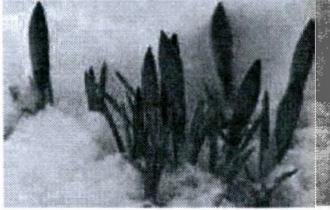
1. that the excavation has gone down to ~23 ft. below the area where the caves were present,
2. the only contaminants of concern is radiological,
3. and the radiological surveys below the excavation do not show contamination

if you have any question please let me know.

Wanda Elliott
(509) 372-7904
Environmental Scientist

3/14/2013

**Nuclear Waste Program
Washington State Department of Ecology**



100

Attachment 16

170202

^WCH Document Control

From: Saueressig, Daniel G
Sent: Thursday, March 14, 2013 11:42 AM
To: ^WCH Document Control
Subject: FW: 100-N-23 Additional Plume Chase and Resampling Agreement:
Attachments: 100-N-23 additional remediation and resampling writeup (3-11-13).doc
Please provide a chron number (and include the attachment). 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: Tuesday, March 12, 2013 12:10 PM
To: Jakubek, Joshua E; Elliott, Wanda
Cc: Buckmaster, Mark A; Saueressig, Daniel G; Nielson, Renee J; Dobie, Chad H
Subject: RE: 100-N-23 Additional Plume Chase and Resampling Agreement:

Hi Josh and Wanda,

I concur with the attached plume chasing plan. Thanks.

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: Jakubek, Joshua E [mailto:jejakube@wch-rcc.com]
Sent: Tuesday, March 12, 2013 8:05 AM
To: Elliott, Wanda; 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

3/14/2013

you have any questions.

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

Thanks,

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

100-N-23 Waste Site Additional Remediation and Resampling Request

Background Information

The 100-N-23 waste site consisted of a process pit and overflow sump that was used to dispose of spent resin that was generated in the 163-N Demineralized Water Treatment Plant. The waste site later served as the 183-NB clearwell overflow until about 1990 and all resin was excavated from the waste site between 1990 and 1992. Remedial action at the 100-N-23 waste site was performed between July 20 and 29, 2011 and continued to an approximate depth of 4.6 m (15 ft) below ground surface.

Original verification sampling was conducted April 25, 2012 per the approved verification work instruction. One decision unit was identified for the 100-N-23 waste site and includes the excavation. Twelve statistical samples plus quality assurance/quality control (QA/QC) samples and one focused sample were collected from the decision unit.

Statistical samples failed direct exposure remedial action goals (RAGs) during the first sampling campaign, driven primarily by polycyclic aromatic hydrocarbon (PAH) results from EXC-10 and EXC-11 and polychlorinated biphenyl (PCB) results for EXC-11. Additional remediation for these two sample locations occurred in November, 2012 to a depth of approximately 1.0 m (3.3 ft) and replacement samples were collected on November 26, 2012. Using the replacement sample data, the 95% UCL for total PCBs still exceeds the direct exposure RAG, though all individual congeners in individual samples are below the direct exposure RAGs.

Given the exceedance for total PCBs in the statistical data set, the locations of EXC-1, EXC-3, EXC-4, EXC-7, EXC-8 and EXC-11 were remediated an additional 1.0 m (3.3 ft). A new sample design was implemented and 12 statistical soil samples were collected on February 26, 2013 from the entire waste site, and analyzed for PCBs and PAHs. Using this replacement sample data, one location (PCB/PAH-4) exceeded direct exposure RAGs for aroclor-1254.

Recommendation for Path Forward

Washington Closure Hanford proposes additional soil to be removed from the western portion of the 100-N-23 waste site excavation, at the PCB/PAH-4 location, for disposal at the Environmental Restoration Disposal Facility (Figure 1). This location contained a direct exposure exceedance for aroclor-1254. The depth of additional soil removal will be 2.0 m (6.6 ft) depending on observations in the field (e.g., discolored or stained soil, debris, etc.).

Following additional soil removal, a sample will be collected at the original PCB-PAH-4 location and included in the statistical data set. The replacement sample will be analyzed for PCBs only, as no direct exposure exceedances for PAHs were detected. A summary of replacement sample, including sample location and requested analyses, is provided in Table 1.

Figure 1. 100-N-23 Additional Remediation of Failed Verification Sample Location.

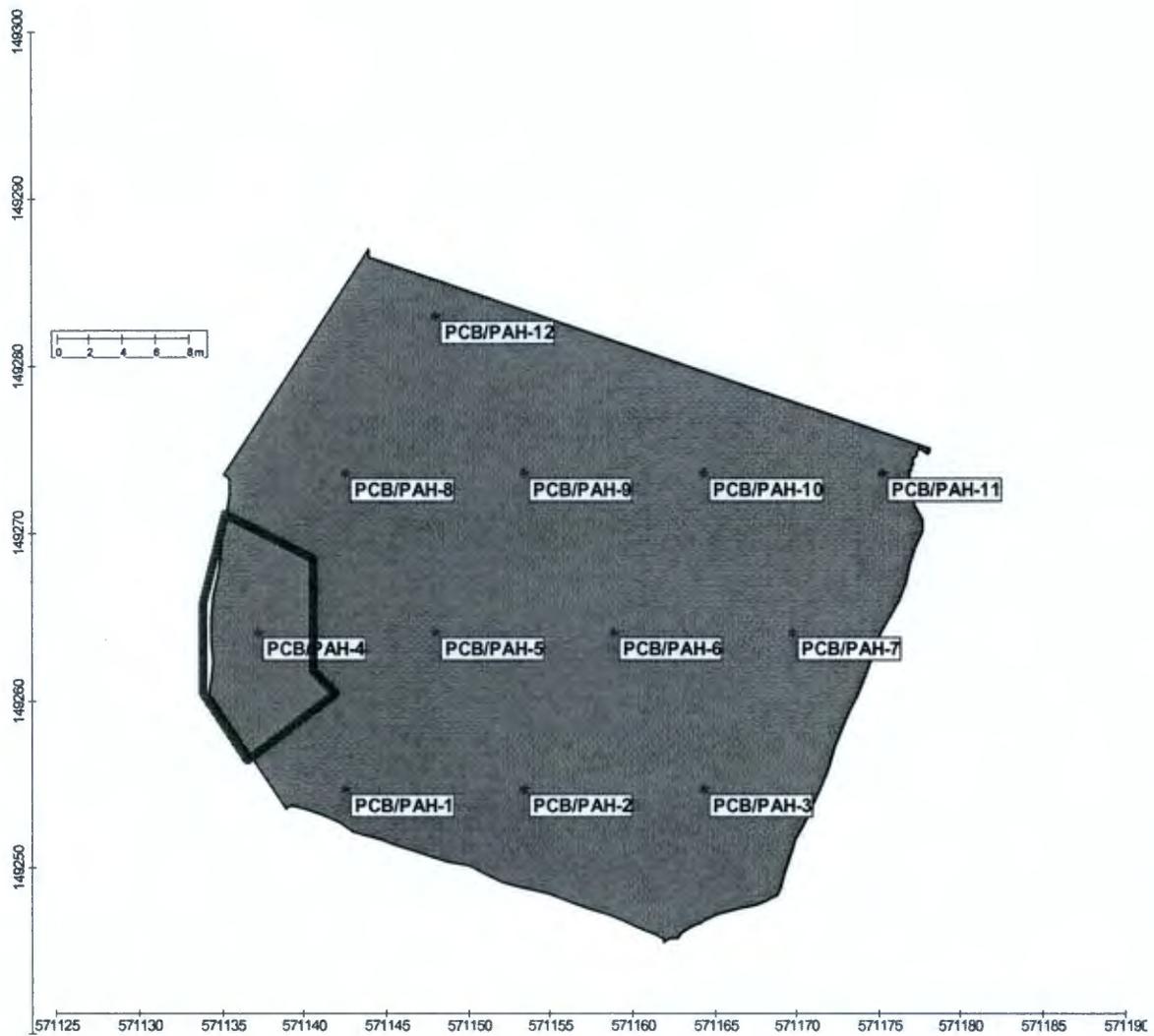


Table 1. 100-N-23 Sample Summary.

Sample Location	HEIS Sample Number	Washington State Plane Coordinates		Sample Analysis
		Northing	Easting	
PCB/PAH-4	TBD	149264.2	571137.1	PCB

^a The duplicate soil sample will be collected at a location selected at the project analytical lead's discretion.

HEIS = Hanford Environmental Information System

PCB = polychlorinated biphenyl

TBD = to be determined



[Illegible Title]

[Illegible]	[Illegible]	[Illegible]	[Illegible]
[Illegible]	[Illegible]	[Illegible]	[Illegible]
[Illegible]	[Illegible]	[Illegible]	[Illegible]

Attachment 17

169863

^WCH Document Control

From: Saueressig, Daniel G
Sent: Tuesday, February 19, 2013 12:14 PM
To: ^WCH Document Control
Subject: FW: Revised: 100-N-23 Additional Excavation and Resampling Agreement:
Attachments: Revised - 100-N-23 additional remediation and resampling writeup (2-14-13).doc
Please provide a chron number (and include the attachment). 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: Tuesday, February 19, 2013 11:01 AM
To: Elliott, Wanda; Jakubek, Joshua E
Cc: Saueressig, Daniel G; Buckmaster, Mark A; Dobie, Chad H; Nielson, Renee J; Howell, Theresa Q; Boyd, Alicia
Subject: RE: Revised: 100-N-23 Additional Excavation and Resampling Agreement:

I concur also. Thanks.

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, February 19, 2013 7:54 AM
To: Jakubek, Joshua E; Chance, Joanne C
Cc: Saueressig, Daniel G; Buckmaster, Mark A; Dobie, Chad H; Nielson, Renee J; Howell, Theresa Q; Boyd, Alicia (ECY)
Subject: RE: Revised: 100-N-23 Additional Excavation and Resampling Agreement:

I concur with the proposed plan. Thank you for considering our recommendation.

Wanda Elliott
(509) 372-7904
Environmental Scientist
Nuclear Waste Program

2/19/2013

Washington State Department of Ecology



From: Jakubek, Joshua E [<mailto:jejakube@wch-rcc.com>]

Sent: Friday, February 15, 2013 9:44 AM

To: Elliott, Wanda (ECY); Chance, Joanne C

Cc: Saueressig, Daniel G; Buckmaster, Mark A; Dobie, Chad H; Nielson, Renee J; Howell, Theresa Q

Subject: Revised: 100-N-23 Additional Excavation and Resampling Agreement:

Wanda / Joanne, please find the attached Revised 100-N-23 Additional Excavation and Resampling Agreement which incorporates your comments. Please let me know if you have any questions and if you concur with this approach.

<< File: Revised - 100-N-23 additional remediation and resampling writeup (2-14-13).doc >>

Thanks,

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

100-N-23 Waste Site Additional Remediation and Resampling Request

Background Information

The 100-N-23 waste site consisted of a process pit and overflow sump that was used to dispose of spent resin that was generated in the 163-N Demineralized Water Treatment Plant. The waste site later served as the 183-NB clearwell overflow until about 1990 and all resin was excavated from the waste site between 1990 and 1992. Remedial action at the 100-N-23 waste site was performed between July 20 and 29, 2011 and continued to an approximate depth of 4.6 m (15 ft) below ground surface.

Original verification sampling was conducted April 25, 2012 per the approved verification work instruction. One decision unit was identified for the 100-N-23 waste site and includes the excavation. Twelve statistical samples plus quality assurance/quality control (QA/QC) samples and one focused sample were collected from the decision unit.

Statistical samples failed direct exposure remedial action goals (RAGs) during the first sampling campaign, driven primarily by polycyclic aromatic hydrocarbon (PAH) results from EXC-10 and EXC-11 and polychlorinated biphenyl (PCB) results for EXC-11. Additional remediation for these two sample locations occurred in November, 2012 to a depth of approximately 1.0 m (3.3 ft) and replacement samples were collected on November 26, 2012. Using the replacement sample data, the 95% UCL for total PCBs still exceeds the direct exposure RAG, though all individual congeners in individual samples are below the direct exposure RAGs.

Recommendation for Path Forward

Washington Closure Hanford proposes additional soil to be removed from the western portion of the 100-N-23 waste site excavation, including the EXC-1, EXC-3, EXC-4, EXC-7, EXC-8, and EXC-11 locations for disposal at the Environmental Restoration Disposal Facility (Figure 1). These locations had higher overall individual PCB results that drove overall statistical exceedance of direct exposure RAGs. Remediation at these locations is recommended to provide a higher confidence that the total PCBs for the statistical decision unit will be below the direct exposure RAGs. The depth of additional soil removal will be between 1 to 2 meters depending on observations in the field (e.g., discolored or stained soil, debris, etc.).

Following additional soil removal, a new sample design will be employed and samples will be collected at 12 new sample locations (Figure 2). The replacement samples will be analyzed for PCBs and PAHs only and replace the original sample data in the statistical data set. A summary of replacement samples, including sample location and requested analyses, is provided in Table 1.

Figure 1. 100-N-23 Additional Remediation Sketch With Original Verification Sample Locations.

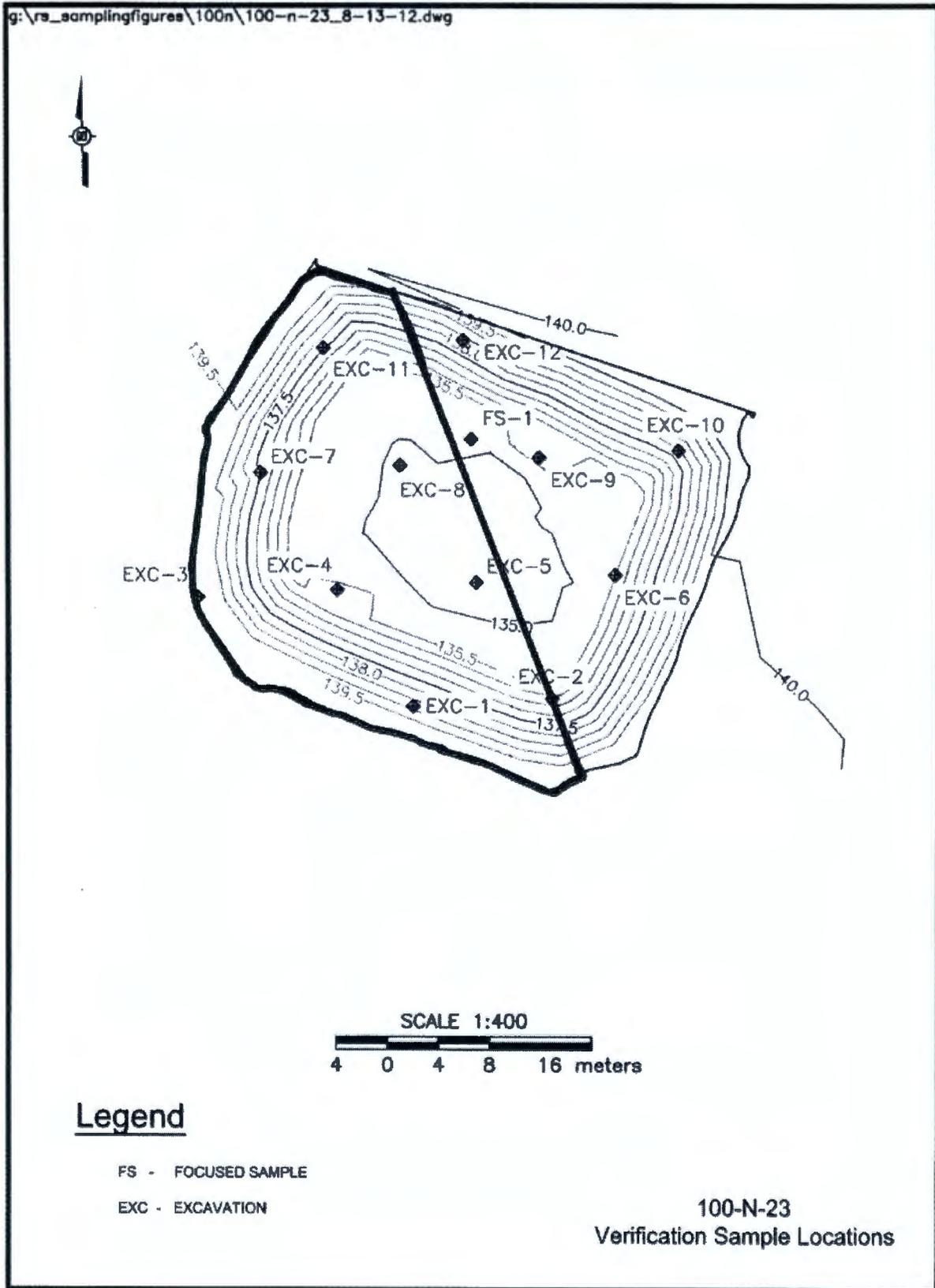


Figure 2. 100-N-23 PCB/PAH Sample Design.

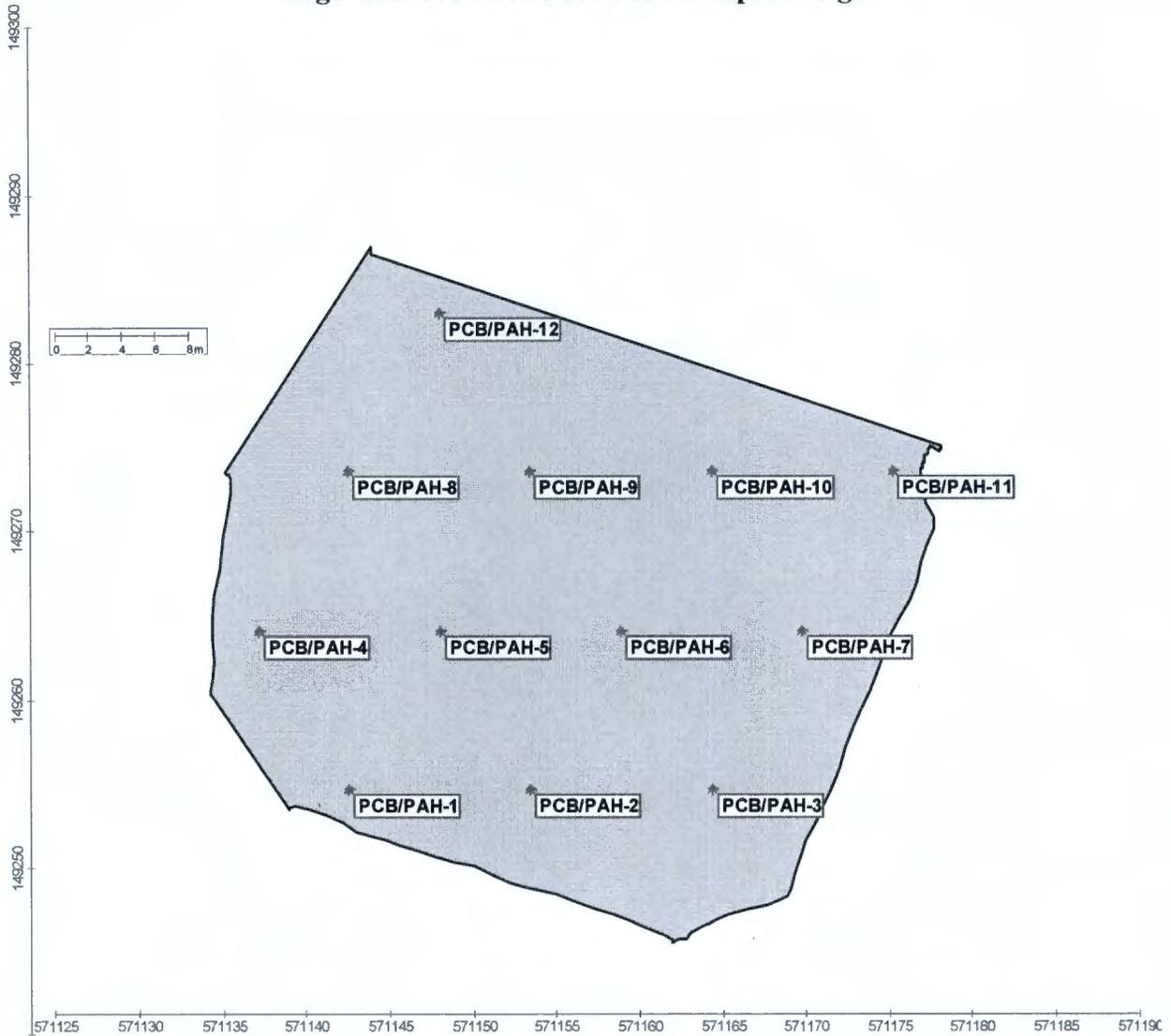


Table 1. 100-N-23 Sample Summary.

Sample Location	HEIS Sample Number	Washington State Plane Coordinates		Sample Analysis
		Northing	Easting	
PCB/PAH-1	TBD	149254.7	571142.6	PCB, PAH
PCB/PAH-2	TBD	149254.7	571153.5	
PCB/PAH-3	TBD	149254.7	571164.3	
PCB/PAH-4	TBD	149264.2	571137.1	
PCB/PAH-5	TBD	149264.2	571148.0	
PCB/PAH-6	TBD	149264.2	571158.9	
PCB/PAH-7	TBD	149264.2	571169.8	
PCB/PAH-8	TBD	149273.6	571142.6	

Table 1. 100-N-23 Sample Summary.

Sample Location	HEIS Sample Number	Washington State Plane Coordinates		Sample Analysis
		Northing	Easting	
PCB/PAH-9	TBD	149273.6	571153.5	
PCB/PAH-10	TBD	149273.6	571164.3	
PCB/PAH-11	TBD	149273.6	571175.2	
PCB/PAH-12	TBD	149283.0	571148.0	
Duplicate ^a	TBD	TBD	TBD	

^a The duplicate soil sample will be collected at a location selected at the project analytical lead's discretion.

HEIS = Hanford Environmental Information System

PCB = polychlorinated biphenyl

NA = not applicable

TBD = to be determined

PAH = polycyclic aromatic hydrocarbons

Attachment 18

169855

^WCH Document Control

From: Saueressig, Daniel G
Sent: Thursday, February 14, 2013 3:34 PM
To: ^WCH Document Control
Subject: FW: 84:5 MOBILE OFFICE PIPELINE REQUEST
Attachments: 100-N-84-5 Mobile Office feed lines agreement_final.docx

Please provide a chron number (and include the attachment). 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: Thursday, February 14, 2013 3:32 PM
To: Elliott, Wanda; Saueressig, Daniel G
Subject: RE: 84:5 MOBILE OFFICE PIPELINE REQUEST

As do I. Thanks.

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: Wednesday, February 13, 2013 4:38 PM
To: Saueressig, Daniel G; Chance, Joanne C
Subject: RE: 84:5 MOBILE OFFICE PIPELINE REQUEST

I concur with the "no action" proposal for the 100-N-85:4 mobile offices pipelines.

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



From: Saueressig, Daniel G [<mailto:dgsauere@wch-rcc.com>]
Sent: Wednesday, February 06, 2013 12:11 PM
To: Elliott, Wanda (ECY); Chance, Joanne C
Subject: 84:5 MOBILE OFFICE PIPELINE REQUEST

Per your request.

Thanks,

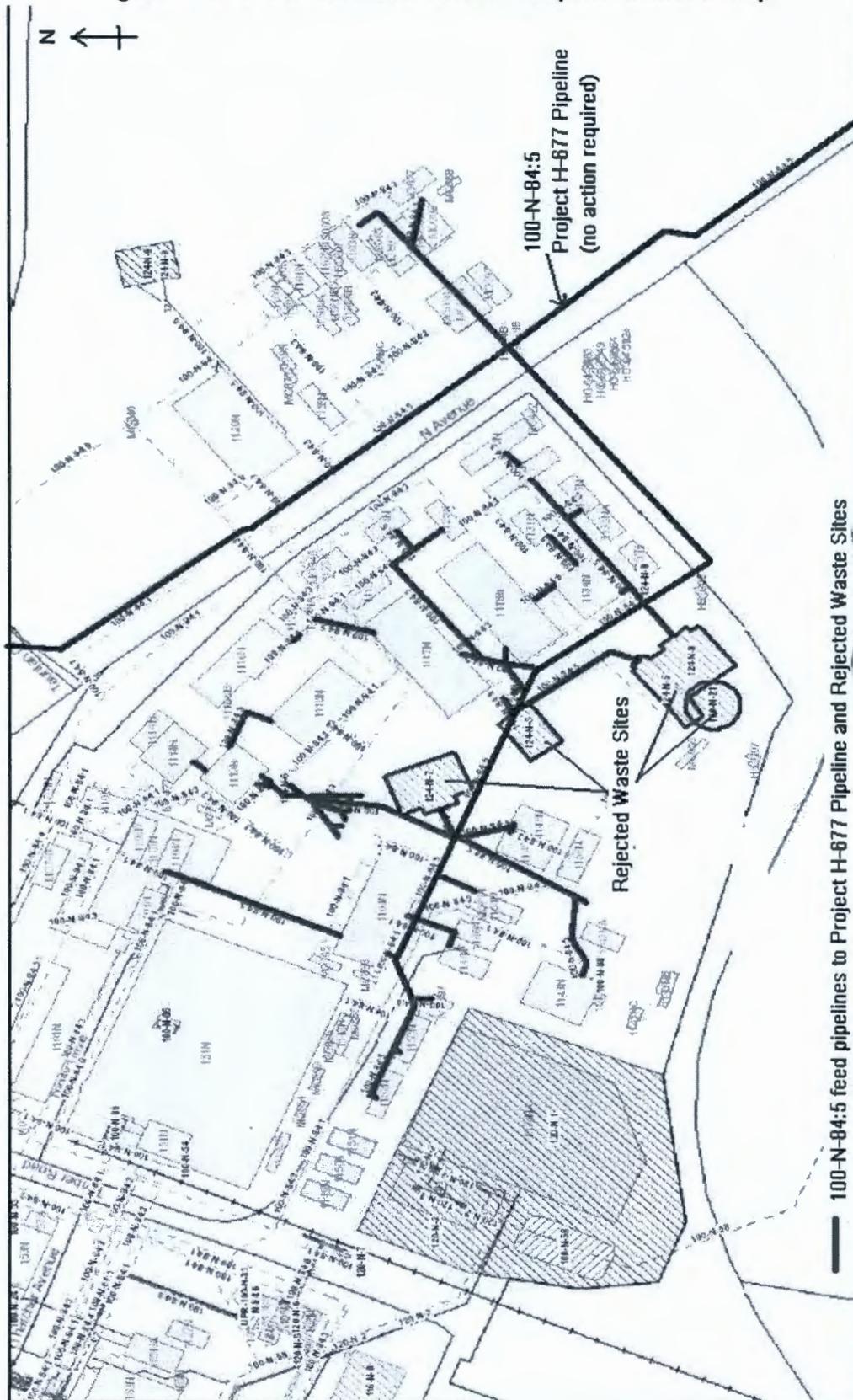
Dan Saueressig
FR Environmental Project Lead
Washington Closure Hanford
521-5326

<< File: 100-N-84-5 Mobile Office feed lines agreement_final.docx >>

WCH requests DOE and Ecology approval to leave the portion of the 100-N-84:5 100-N Area Sanitary Pipelines waste subsite that are located in the 100-N Mobile Office Complex southeast of the 105-N/109-N Reactor Buildings, in place with no action required (red pipelines denoted in Figure 1). This request is based on the following:

1. The system serviced the 100-N Mobile Office Complex that did not generate hazardous or radioactive substances and is not located close to any other accepted waste sites. The waste source for these pipelines were general purpose offices, storage and training buildings with the exception of the 1143-N paint and maintenance shop which had a separate sink and drain line to the 100-N-88 French Drain to handle chemical waste, in addition to being connected to the 100-N-84:5 pipeline (Table 1).
2. The 100-N Mobile Office Complex sanitary sewage system was a gravity drain system which released to three septic systems (124-N-5, 124-N-7 and 124-N-8) between 1981 and 1987. The *Remedial Design Report/Remedial Action Work Plan for the 100-N Area* (100-N RDR/RAWP) (DOE-RL, 2005) identifies the 124-N-5, 124-N-7 and 124-N-8 waste sites as having been excavated and closed out. The excavation referenced in the 100-N RDR/RAWP most likely meant that the work performed was isolation of the individual sanitary septic systems and not complete removal of tank and drain field as attested to by the Waste Information Data System (WIDS) reports for these waste sites. The WIDS summary reports list the sites as "Rejected" based on the Waste Site Reclassification Forms (WSRF) for each waste site (See Table 2 for WSRF numbers). The three sanitary sewer systems were replaced by the new 124-N-10 Sanitary Sewer System in February 1987. At that time each sanitary sewer tank was abandoned by isolating, pumping, and filling with sand. The associated waste sites have been reclassified as rejected (Table 2).
3. As built drawings show portions of the 100-N-84:5 pipelines from the 100-N-Mobile Office Complex to the 124-N-5, 124-N-7, 124-N-8 sanitary sewer systems, and the 100-N-84:5 H-677 project pipelines, are constructed of polyvinyl chloride (PVC) ranging from 4" to 10" in diameter (KEH, 1988 and WHC, 1985 respectively). Other portions of these lines are not labeled with the construction material however because the 100-N-84:5 pipelines in this area were installed in the 1980's, a mix of PVC and steel pipe was likely used.
4. The 124-N-5, 124-N-7 and 124-N-8 Sanitary Sewer Systems were replaced by the new 124-N-10 Sanitary Sewer System in February 1987. The installation of the 124-N-10 Sewage lagoon included the installation of the H-677 project pipeline which is also part of the 100-N-84:5 waste site. Ecology and RL agreed to a No Action recommendation for the H-677 pipeline (WCH 2013).
5. The 100-N-84:5 100-N Area Sanitary Pipelines waste subsite was recommended for remove, treat, and dispose (RTD) based on the history of the 105-N Reactor and the potential for contamination from the ancillary facilities the system supported (WCH 2011). This determination was based on one confirmatory sample. This sample location is not within the 100-N Mobile Office Complex. Due to the limited set of sample results no comparison to regulatory limits was made in the RTD memo (WCH 2011).

Figure 1. 100-N-84:5 Mobile Office Complex Location Map



100-N-84:5 Mobile Office Complex Request for "No Action"

Table 1. 100-N-84:5 Mobile Office Complex Facility Summary

Building #	Alas #	Name	Description
1103-N	MO-415	Administrative Office Trailer, Mobile Office	The 1103-N Building provided administrative office space for 100N Area personnel. It contained approximately 60 offices and 10 larger workstations, along with kitchens and restrooms.
1104-N	MO-414	Administrative Office Trailer, Mobile Office	The 1104-N Building provided administrative office space for 100N Area personnel.
1113-N	MO-054	Environmental & Radiation Control Mobile Office	The 1113-N Building was used to provide office space for Environmental & Radiation Control personnel in the 100N Area. It contained twenty offices, restrooms, and a kitchen.
1114-N	MO-055	Site Support Mobile Office	The 1114-N Building was used to provide office space for Site Support personnel in the 100N Area. Together with 1114-NA, the two facilities contained twenty offices, restrooms, and a kitchen.
1115-N	MO-050	Support Personnel Offices, Mobil Office	The 1115-N Building was used to house support personnel offices in the 100N Area. It contained a lunchroom/kitchen (1N-91-00423W), 32 offices, restrooms, and two classrooms.
1116-N	MO-358	Training Simulator	The 1116-N Building was used as a training simulator for the 100N Area, and housed a replica of the 105-N reactor control room. In addition, it also contained seven offices, a kitchen, and restrooms.
1116-NA		Mobile Office	The 1116-NA Mobile Office provided office space for maintenance and training personnel associated with the 1116-N Training Simulator. In addition, it also contained a kitchen and restrooms.
1117-N	MO-401	Mobile Office	The 1117-N Building was used to house support personnel offices in the 100N Area. It contained 47 separate offices along with kitchen and restroom facilities.
1118-N	MO-402	Mobile Office	The 1118-N Building was used to house support personnel offices in the 100N Area. It building contained 57 separate offices along with kitchen and restroom facilities.
1124-N	MO-900	Mobile Office, Record Storage	The 1124-N Building was used to provide office space for 100N Area personnel. It housed four offices, a kitchen, and restrooms. More recently the facility was later used for records storage).
1125-N		Mobile Office	The 1125-N Building housed administrative personnel in the 100N Area. It contained a kitchen, restrooms, and eight offices.
1131-N	MO-348	Engineering Field Office	The 1131-N Building was used to provide office space for 100N Area engineering personnel. It contained a single office, a restroom, and a large open area for drafting.
1132-N	MO-397	Change House, Mobile Office	The 1132-N Building was used as office space and a restroom trailer for 100N Area personnel.
1133-N	MO-301	Mobile Office	The 1133-N Building was used to provide office space for 100N Area personnel. It contained fifteen offices, a kitchen, and restrooms.
1134-N	MO-229	KEH Mobile Office, CAD/CAM Facility	The 1134-N Building provided office space for 100N Area personnel. It contained seven offices, a kitchen, and restrooms.
1135-N	MO-352	KEH Field Office, Drug Testing Building	The 1135-N Building provided office space for 100N Area personnel. Along with 1135-NA, the building housed eleven offices, a kitchen, and restrooms. In the mid-1990s, the building was being used as a drug-testing facility.
1143-N		Carpenter/Paint Shop	The 1143-N paint shop area was converted to a heavy equipment mechanics shop in the mid-1990s. Chemicals used in the building included oils, lubricants, greases, petro's (gasoline, diesel), solvents, spray paints, and adhesives.
1145-N	MO-233, MO233	Mobile Office Trailer, Change House	The 1145-N Building was one of several mobile offices that were installed in the 100N Area in the 1980s. It was a double-wide sheet metal and plywood trailer facility and contained eleven offices and restrooms.
1146-N	MO-910	MO-910, Training Facility, Mobile Office, Health Physics	The 1146-N Building was used as a training facility, containing a large classroom along with restrooms. According to BHI-00627, later on it was used

100-N-84:5 Mobile Office Complex Request for "No Action"

Building #	Alas #	Name	Description
		Technicians (HPT) Trailer	by as a Health Physics Technicians (HPT) trailer.
1147-N	MO-381	Mobile Office, Training Facility	The 1147-N Building was used as a training facility, containing a large classroom along with restrooms.
1148-N		Facilities Change Trailer	The 1148-N Building was one of several mobile offices that were installed in the 100N Area in the 1980s. It was a double-wide sheet metal and plywood trailer facility and contained a restroom, kitchen, and 3 offices.
1152-N		Mobile Office	The 1152-N Building was used to house offices for administrative personnel in the 100N Area. It was a double-wide sheet metal and plywood trailer facility and contained a kitchen, restrooms, and six offices.
1153-N	MO-200	Mobile Office, D&D Crafts Administration	The 1153-N Building was used to house offices for Decontamination and Decommissioning personnel in the 100N Area.
1154-N	MO-011	Mobile Office	The 1154-N Building was used to house offices for administrative personnel in the 100N Area.
MO-714		Office Trailer	The MO-714 Trailer was used to provide office space for personnel assigned to the 324 Building.

Table 2. 100-N-84:5 Mobile Office Complex Related/Colocated Rejected Waste Sites

Site	Description	Operational Date	Reclassification form
124-N-5	Septic System No. 5	1-1981 through 1-1987	2000-074 Rejected
124-N-7	Septic System No. 7	1-1984 through 1-1987	2000-081 Rejected
124-N-8	Septic System No. 8	1-1983 through 1-1987	2000-092 Rejected

References:

- DOE-RL, 2005, *Remedial Design Report/Remedial Action Work Plan for the 100-N Area*, DOE/RL-2005-93, Rev. 0, Department of Energy, Richland Operations Office, Richland, Washington.
- KEH, 1988, *Civil Plans & Profiles 100-N Sewer*, H-1-49464 (7 sheets), Rev 1, Kaiser Engineers Hanford Company, Richland, Washington.
- WCH, 2011, *100-N-84:5 100-N Area Sanitary Pipelines for Remedial Action*, CCN 163085, Washington Closure Hanford, Richland, Washington.
- WCH, 2013, *100-N-84:5 H-677 Project Pipeline Request for "No Action"*, CNN 169555, Washington Closure Hanford, Richland, Washington
- WHC, 1985, *Composite Underground Lines*, H-1-45007 (76 sheets), Westinghouse Hanford Company, Richland, Washington.

130

Attachment 19

169978

^WCH Document Control

From: Saueressig, Daniel G
Sent: Wednesday, February 20, 2013 6:12 AM
To: ^WCH Document Control
Subject: FW: Revised: UPR-100-N-19 Group Resampling Agreement:
Attachments: UPR-100-N-19 grouping additional remediation and resampling writeup rev 1.doc
Please provide a chron number (and include the attachment). 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: Tuesday, February 19, 2013 3:41 PM
To: Elliott, Wanda; Jakubek, Joshua E
Cc: Saueressig, Daniel G; Buckmaster, Mark A; Nielson, Renee J; Howell, Theresa Q; Boyd, Alicia
Subject: RE: Revised: UPR-100-N-19 Group Resampling Agreement:

I concur with the elimination of the SZ-10 sample also. Thanks.

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, February 19, 2013 8:18 AM
To: Jakubek, Joshua E
Cc: Saueressig, Daniel G; Buckmaster, Mark A; Nielson, Renee J; Howell, Theresa Q; Chance, Joanne C; Boyd, Alicia (ECY)
Subject: RE: Revised: UPR-100-N-19 Group Resampling Agreement:

I concur with the request to eliminate the SZ-10 sample from the statistical data set and proceed with the closure of the waste site.

Wanda Elliott
(509) 372-7904
Environmental Scientist
Nuclear Waste Program

2/20/2013

Washington State Department of Ecology



From: Jakubek, Joshua E [<mailto:jejakube@wch-rcc.com>]
Sent: Friday, February 15, 2013 9:10 AM
To: Elliott, Wanda (ECY); Chance, Joanne C
Cc: Saueressig, Daniel G; Buckmaster, Mark A; Nielson, Renee J; Howell, Theresa Q
Subject: Revised: UPR-100-N-19 Group Resampling Agreement:

Wanda / Joanne, per our discussion at the last interface meeting, I have attached the Revised Resampling Agreement for the UPR-100-N-19 Group. Please let me know if you have any questions and if you concur with this approach.

<< File: UPR-100-N-19 grouping additional remediation and resampling writeup rev 1.doc >>

Thanks,

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

Revised: UPR-100-N-19 Waste Site Grouping Additional Remediation and Resampling

Background Information

The UPR-100-N-19, UPR-100-N-21, UPR-100-N-22, UPR-100-N-23, and UPR-100-N-43 waste sites were created to address unplanned diesel oil releases from the 184-N day tanks. The waste sites are collectively referred to as the UPR-100-N-19 waste site grouping. Remedial action was performed between June and December, 2011, resulting in a combined excavation approximately 5 m (16.4 ft) deep.

Verification sampling was conducted on June 14, 2012 per the approved verification work instruction. One decision unit was identified for the UPR-100-N-19 waste site grouping and includes the shallow zone excavation (sidewalls) only. The floor of the excavation is considered the UPR-100-N-42 waste site and is addressed separately. Twelve primary statistical samples, one duplicate, one split, and one focused sample were collected from the decision unit, with locations shown in Figure 1. Total petroleum hydrocarbons (TPH) were detected above the soil remedial action goal (RAG) in SZ-10, and individual polycyclic aromatic hydrocarbons (PAH) were detected above direct exposure RAGs in SZ-3, SZ-4, SZ-5, SZ-7, SZ-9, SZ-10, and SZ-12. The PAH exceedances were determined to be from asphaltic material; therefore, no additional material was removed from SZ-3, SZ-4, SZ-5, SZ-7, SZ-9, and SZ-12.

Additional Remediation and Resampling at SZ-10

Approval to remediate additional soil around the SZ-10 location and resample for the failing analytes (TPH and PAH) was received via an email on October 10, 2012 (CCN 168085). The agreement proposed additional soil remediation within boundaries approximately halfway between SZ-10 and surrounding passing verification sample locations (Figure 1) to a depth of 1 to 2 meters and collecting a replacement sample at the original SZ-10 location. However, the additional soil remediation resulted in the removal of the entire sidewall of the excavation into the adjacent waste site (Figure 2). As a result, the original sample location at the UPR-100-N-19 waste site grouping no longer exists. Collecting a sample at the original coordinates would result in the sample being collected from the floor of the excavation, which is the UPR-100-N-42 waste site.

Replacing the sample would require the sample point be moved several meters in either direction of the original location. Because the sample is part of a statistical data set, it would be inappropriate to move the sample point to a location suitable for sample collection within the UPR-100-N-19 boundary. Therefore, Washington Closure Hanford is requesting to eliminate the SZ-10 sample from the statistical data set and proceed with the closure of the waste site. No additional samples or a replacement sample will be collected.

Figure 1. UPR-100-N-19 Waste Site Grouping Approximate Boundary for Additional Remediation at Location SZ-10.

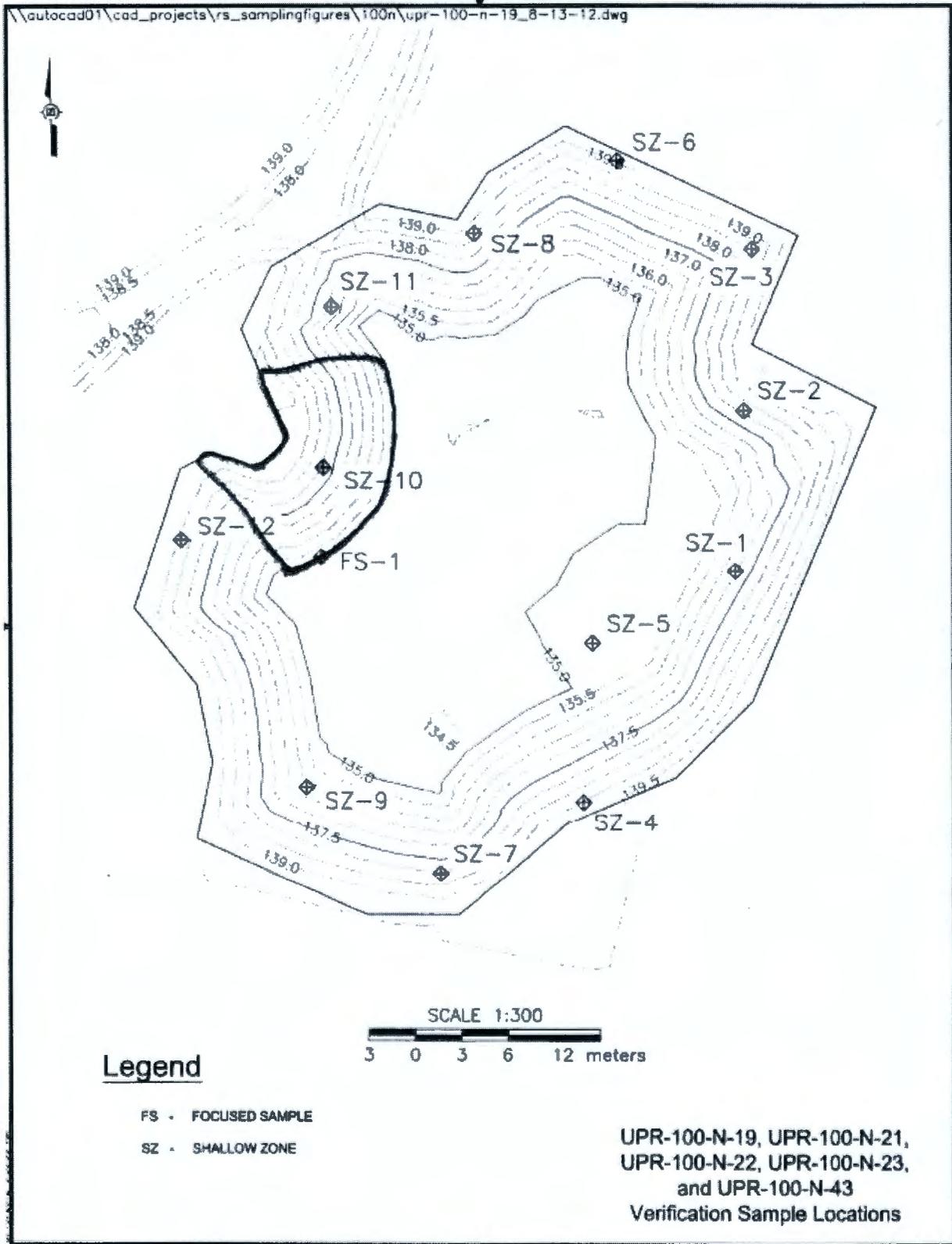
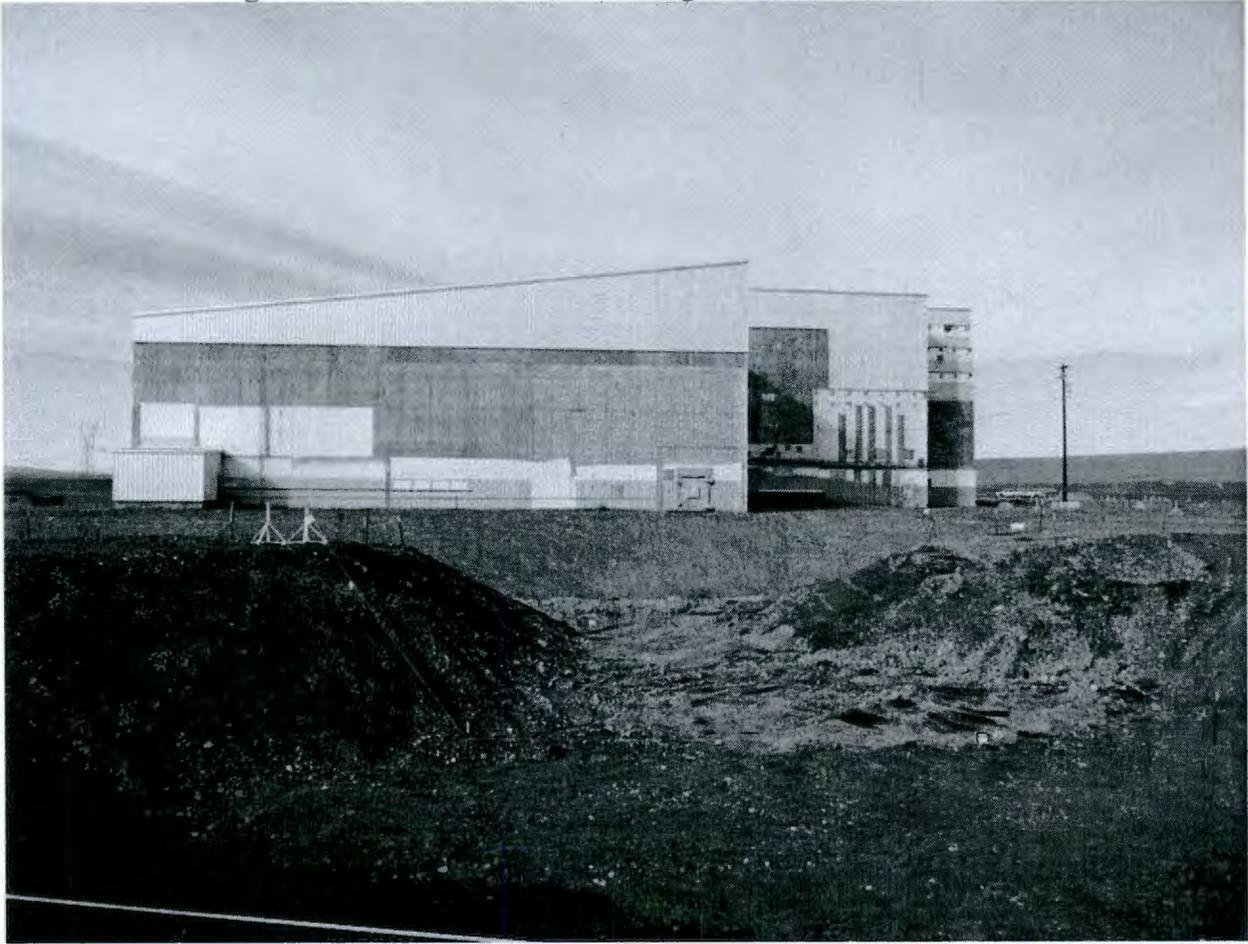


Figure 2. UPR-100-N-19 Following Additional Remediation





Attachment 20

169862

^WCH Document Control

From: Saueressig, Daniel G
Sent: Tuesday, February 19, 2013 12:12 PM
To: ^WCH Document Control
Subject: FW: REQUEST FOR APPROVAL OF WASTE STAGING AREA
Please provide a chron number. This email documents a regulatory agreement.

Thanks,

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

From: Buelow, Laura [mailto:Buelow.Laura@epa.gov]
Sent: Tuesday, February 19, 2013 10:55 AM
To: Saueressig, Daniel G
Cc: Elliott, Wanda; Chance, Joanne C
Subject: RE: REQUEST FOR APPROVAL OF WASTE STAGING AREA

I concur with the extension.

Laura

From: Saueressig, Daniel G [mailto:dgsauere@wch-rcc.com]
Sent: Tuesday, February 19, 2013 9:13 AM
To: Buelow, Laura
Cc: Elliott, Wanda; Chance, Joanne C
Subject: FW: REQUEST FOR APPROVAL OF WASTE STAGING AREA

Laura, I'd like to request a 180 day extension to the staging pile approved below by Ecology. The staging pile was first used on February 16, 2011 and the additional time is needed to support the increased scope associated with plume chasing and additional pipeline excavation at 100-N. I've talked with Wanda about the extension and she is okay with allowing a 180 day extension.

Let me know if you concur and I'll get the agreement documented at the next UMM.

Thanks,

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

2/19/2013

From: Varljen, Robin (ECY) [<mailto:RVAR461@ecy.wa.gov>]
Sent: Wednesday, December 22, 2010 8:49 AM
To: Saueressig, Daniel G
Cc: Chance, Joanne C; Buckmaster, Mark A; Menard, Nina
Subject: RE: REQUEST FOR APPROVAL OF WASTE STAGING AREA

Dan, Based on the information given to me at this time, I approve your request for additional staging south of the reactor.

Additionally, but not withholding this approval, I have a few questions: I believe this area was revegetated at one time but the revegetation was not successful, is that correct? Is there any plan to re-re-veg this area after this use? What is the time frame for remediation of 100-N-84? How are you planning to do that remediation without impact from this staging area? And have you coordinated your plans with D4 to ensure neither of your plans/schedules are impacted by this staging area?

Thanks, Robin

From: Saueressig, Daniel G [<mailto:dgsauere@wch-rcc.com>]
Sent: Tue 12/21/2010 6:12 AM
To: Varljen, Robin (ECY)
Cc: Chance, Joanne C; Buckmaster, Mark A
Subject: FW: REQUEST FOR APPROVAL OF WASTE STAGING AREA

Hi Robin, I'd like to request your approval to set up a waste staging area for various waste sites at 100-N supporting Field Remediation remedial actions. The attached map depicts the area we'd like to use. Management of this area will include segregating waste from different waste sites via berms and mapping the areas via GPS to assist during closure activities. In addition, the only waste sites located under this area have been previously interim closed out with the exception of portions of 100-N-84 on the west side of the area. I don't believe this staging area will impact 100-N-84, since this site is underground pipelines that we shouldn't impact. Removal of the waste will include taking an additional foot of material to ensure no waste remains at the site. The waste staging area will be managed in compliance with Section 4.4.2 of the 100-N RDR/RAWP (DOE/RL-2005-93, Rev. 0) and this area will be included in the closeout documentation for the waste sites that utilized this area. Surveys of the area will be conducted prior to use to ensure there is no staging of waste on previous contaminated areas

Let me know if you concur and we can document this agreement at the next UMM.

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

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

<<100N South Staging Stockpile Expansion Area.doc>>

Attachment 21

Activity ID	Activity Name	TPA	% Cmpl	RD	Start	Finish	M	A	M	J	J	A	S
							0	1	2	1	0	1	2
100-C-7 Waste Site Remediation													
Loadout													
BC502B41	100-C-7:1 Loadout	Y	95%	5	06-Nov-12 A	18-Mar-13							
Backfill													
BC502C31	100-C-7:1 Post C-7 Work Remaining Material (600,000 BCMS)	Y	19%	92	06-Feb-13 A	18-Jul-13							
BC502C21	100-C-7:1 West Wall Backfill (103,000 BCMS)	Y	0%	43	02-May-13*	18-Jul-13							
Closeout Sampling & Docs													
BC502D121	Closure Sampling & Analysis for 100-C-7:1 Stock Pile Areas	Y	0%	42	11-Mar-13*	21-May-13							
BC502D131	Prepare Closure Document for 100-C-7:1 West Sidewall	Y	0%	89	11-Mar-13*	14-Aug-13							
BC524G76	RL/Regulator Review Draft A Closure Document for 100-C-7:1 West Sidewall	Y	0%	26	14-May-13	27-Jun-13							
BC524G86	RL/Regulator Sign Rev. 0 Closure Document for 100-C-7:1 West Sidewall	Y	0%	4	30-Jul-13	05-Aug-13							
Final Project Closeout													
BC524G96	Backfill Concurrence for 100-C-7:1 and West Wall Plume	Y	0%	8	15-Apr-13*	25-Apr-13							

Attachment 22

300 Area Closure Project Status
March 14, 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 – Preparations for vault removal ongoing.
- 308/308A – Final backfill and closure of site completed.
- UPR-300-4 (321/323) – Remediation completed, verification sampling pending.
- 324 – Zone II HEPA filter replacement completed, continue min-safe operations.
- 3718E & 3718G slab demolition completed.
- 327 – Final remediation of legacy contamination completed, close-out surveys in progress.

Demolition & Remediation Preparation Activities

- 3730 – Initiated above-grade demolition.
- 326 Building – Hazardous material and asbestos abatement initiated.
- RRLWS & RLWS Piping – Characterization sampling ongoing.
- 3701D – Initiated below-grade demolition.
- 300-257 (309 pipeline to the river) – Characterization sampling 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.
- Demolish 3730 above-grade, lift and transport hot-cells to ERDF.
- Continue preparations for demolition of the 326 Building.

Attachment 23

ESH&QA Mission Completion Project

March 14, 2013

Long-Term Stewardship

- Incorporating RL review comments on the 100-F Area turnover and transition package.
- Finalizing the Draft A 100-FR-1 Operable Unit Interim Remedial Action Report.

100-K Shoreline Characterization

- The sample design document *Characterization of Surface Soils in the 100-K-64 and 100-K-111 Waste Site Areas Sampling and Analysis Instructions*, WCH-570 was issued on March 7. The cultural resource review and work control documents are being prepared.

Document Review Look-Ahead

Document	Regulator Review Start	Duration
100-FR-1 Operable Unit Interim Remedial Action Report	Late-March 2013	30 days