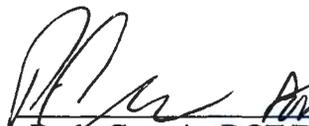


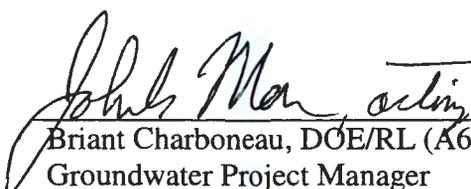
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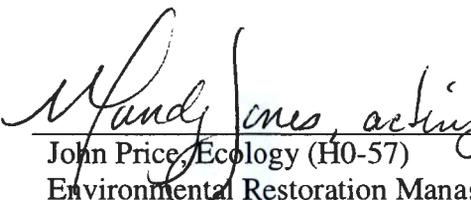
100/300 AREA UNIT MANAGER MEETING
 ATTENDANCE AND DISTRIBUTION
 June 12, 2008

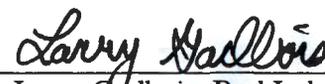
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Cook, Sylvia	Original +1 copy	H6-08	ADREC	N/A
Charboneau, Briant L	Briant_L_Charboneau@rl.gov	A6-33	DOE	<i>Briant L Charboneau</i>
Charboneau, Stacy	Stacy_L_Charboneau@rl.gov	A3-04	DOE	
Clark, Clifford E	Clifford_E_Cliff_Clark@rl.gov	A5-15	DOE	
Guercia, Rudolph F	Rudolph_F_Rudy_Guercia@rl.gov	A3-04	DOE	<i>Rudolph F Guercia</i>
Hake, Naomi M	Naomi_M_Hake@rl.gov	A3-04	DOE	<i>Naomi M Hake</i>
Hanson, James P	James_P_Hanson@rl.gov	A5-13	DOE	
Hildebrand, R Doug	R_D_Doug_Hildebrand@rl.gov	A6-38	DOE	
Mastren, Vanessa A	Vanessa_A_Mastren@rl.gov	A3-04	DOE	
Post, Thomas	Thomas_C_Post@rl.gov	A3-04	DOE	
Robertson, Owen	Owen_Jr_Robertson@rl.gov	A3-04	DOE	
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Einan, Dave	EINAN.DAVID@EPA.GOV	B1-46	EPA	

100/300 AREA UNIT MANAGERS MEETING
APPROVAL OF MINUTES
June 12, 2008

APPROVAL:  Date 7/15/08
Rudy Guercia, DOE/RL (A3-04)
River Corridor Project Manager

APPROVAL:  Date 8/14/08
Briant Charboneau, DOE/RL (A6-33)
Groundwater Project Manager

APPROVAL:  Date 8/14/08
John Price, Ecology (H0-57)
Environmental Restoration Manager

APPROVAL:  Date 8-14-08
Larry Gadois, Rod Lobos, or Laura
Buelow, EPA (B1-46)
100 Aggregate Area Unit Manager

APPROVAL:  Date 8-14-08
Alicia Boyd, EPA (B1-46)
300 Aggregate Area Unit Manager

100 & 300 AREA UNIT MANAGER MEETING MINUTES

Groundwater, Source Operable Units, Facility (D4 and ISS), and Mission Completion

June 12, 2008

Washington Closure Hanford (WCH) Building, 2620 Fermi Drive, Richland, Washington

ADMINISTRATIVE

- Next Unit Manager Meeting (UMM) - The next meeting will be held July 10, 2008 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. Attachment B documents any delegations received from the agencies.
- Approval of Minutes - The May 2008 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 - Status of action items was performed, and updates provided (Attachment C).
- Agenda: Attachment D is the meeting agenda.

Attachment 1 was provided by EPA summarizing various irrigation scenarios and associated evapotranspiration coefficients for the 100 Area and 300 Area. EPA and Ecology expect the 100 Area Remedial Design Report/Remedial Action Work Plan to be updated based on this information for the 100 Area and further discussion for the 300 Area is necessary.

EXECUTIVE SESSION (Tri-Parties Only)

No executive session was held.

100/300 AREA GROUNDWATER

Attachment 2 provides a status or information. No issues were identified, and no agreements were documented.

Action: RL shall follow-up with Ecology and EPA on well sampling backlog, and discuss recommended actions.

SYSTEMATIC PLANNING PROCESS FOR RIVER CORRIDOR

No agreements were documented.

Issue: A systematic planning lessons learned meeting is scheduled for June 18, 2008 to address various issues, and final actions to facilitate/proceed with resolution.

Action: RL shall schedule a meeting with Ecology and EPA to discuss the final Remedial Investigation/Feasibility Study (RI/FS) Work Plan outline. This meeting is to be a stand-alone meeting, separate from the systematic planning meeting on June 18, 2008.

MISSION COMPLETION PROJECT

Attachment 3 provides a status or information. No issues were identified, no agreements were documented, and no actions were documented.

GROUNDWATER/SOURCE INTEGRATION

No issues were identified, no agreements were documented, and no actions were documented. RL, EPA, and Ecology stated an update would be provided at the next UMM.

100/300 AREA FIELD REMEDIATION AND CLOSURE (FR)

Attachments 4 through 8 provide a status or information on various Field Remediation Project Areas, as well as any agreements. Attachment 4 covers 118-K-1. Attachment 5 covers 100-D. Attachment 6 is an agreement. Attachment 7 covers the schedule for sampling and design. Attachment 8 covers 618-10 and 11. No issues were identified.

Agreement: Attachment 6 documents Ecology approval to backfill a small portion of the 100-D-56 trench for operation considerations, as well as approval for relocation of several stockpile areas associated with 100-D-56; map is attached showing these locations.

Action: RL shall provide Ecology with any documentation for petroleum sites at 100-N that indicates radioactivity.

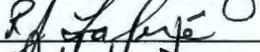
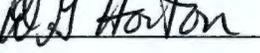
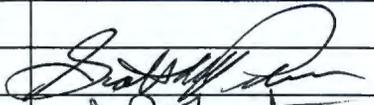
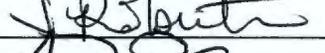
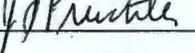
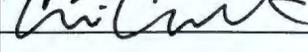
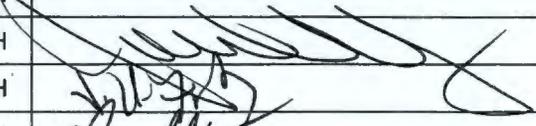
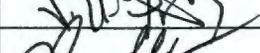
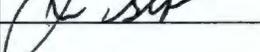
DEACTIVATION, DECONTAMINATION, DECOMMISSION, DEMOLITION (D4)/ INTERIM SAFE STORAGE (ISS)

Attachment 9 provides a status or information for the 300 Area and Attachment 10 provides a status or information for the 100 Area. No issues were identified, no agreements were documented, and no actions were documented.

SPECIAL TOPICS

No special topics were discussed.

Attachment A

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Attachment B

Attachment C

100/300 Area UMM
Action List
June 12, 2008

Open (O)/ Closed (X)	Action No.	Co.	Actionee	Project	Action Description	Status
O	300-008	RL	T. Post	100/300 Area	RL shall develop the instructions for documenting D4 completions in the 100 and 300 Areas where no known waste site is under the building, and no releases to soil are documented or expected based on existing data. These instructions shall be added into the respective Removal Action Work Plans after review and approval from the respective lead regulatory agency for the specific Removal Action Work Plans in the 100 and 300 Areas.	Open: 4/12/07; Action: Ongoing action, and are still under development. Instructions are developed and is complete for the 300 Area. RL will submit a TPA Section 9.0 document change notice for the 100 Area. This remains an ongoing task.
O	100-149	RL	J. Hanson	100-H	RL/Fluor Hanford Inc. (FH) will review the extraction network for the 100-H pump and treat system, and provide recommendations to Ecology for optimization.	Open: 1/10/08; Action: RL will provide Ecology with the entire 100-HR-3 optimization in the fall 2008. RL plans to meet with Ecology by end of May 2008 on efficiency options. At the 6/12/08 UMM, Ecology is expecting a recommendation from RL by July 31, 2008.

100/300 Area UMM

Action List
June 12, 2008

Open (O)/ Closed (X)	Action No.	Co.	Actionee	Project	Action Description	Status
X	100-150	RL	M. Thompson	300-FF-5	RL shall provide EPA with an updated Sampling and Analysis Plan (SAP) for the 300-FF-5 Operable Unit.	Open: 1/10/08; Action: Internal reviews are complete, and RL plans to provide to EPA by end of May 2008. Item was closed at 6/12/08 UMM.
O	100-152	RL	N. Hake	100-N	RL will schedule a meeting with Ecology on coordinating between D4 and FR activities at the 100-N Area.	Open: 1/10/08; Action: Meeting has not been scheduled.
O	100-153	RL	C. Smith	100 Area	RL shall schedule a meeting with EPA and Ecology to discuss potential additional institutional controls at specific waste sites (e.g., concrete or other physical markers at 118-B-1 burial ground).	Open: 1/10/08; Action: RL has set up a meeting with EPA for June 16, 2008.
O	300-009	RL	R. Guercia	300 Area	RL shall brief EPA and Ecology on alternative exposure scenarios for the 300 Area.	Open: 1/10/08; Action: RL met with EPA, and based on input received, RL will provide an update after further internal discussion.

100/300 Area UMM

Action List

June 12, 2008

Open (O) Closed (X)	Action No.	Co.	Actionee	Project	Action Description	Status
O	100-158	RL	J. Hanson	General	Ecology will schedule a meeting with RL to discuss well variances, and RL will provide information to Ecology beforehand.	Open: 4/10/08; Action: Item remains open, & Ecology still awaiting information. At the 6/12/08 UMM, RL agreed to provide Ecology with specific copies of past "agreed to" well variances as they pertain to future sitewide activities.
O	100-159	RL	J. Hanson	General	RL shall follow-up with Ecology and EPA on well sampling backlog, and discuss recommended actions.	Open: 6/12/08; Action:
O	100-160	RL	J. Hanson	General	RL shall schedule a meeting with Ecology and EPA to discuss the final Remedial Investigation/Feasibility Study (RI/FS) Work Plan outline. This meeting is to be a stand-alone meeting, separate from the systematic planning meeting on June 18, 2008.	Open: 6/12/08; Action:
O	100-161	RL	N. Hake	100-N	RL shall provide Ecology with any documentation for petroleum sites at 100-N that indicates radioactivity.	Open: 6/12/08; Action:

Attachment D

100/300 Area Unit Manager Meeting
June 12, 2008
Washington Closure Hanford Building
2620 Fermi Avenue, Richland, WA 99354
Room C209; 1:00-4:30 p.m.

1:00 - 1:30 p.m.

Executive Session (Tri-Parties Only):

- None

1:30 p.m. - 1:45 p.m.

Administrative:

- Approval and signing of previous meeting minutes (May 2008)
- Update to Action Items List
- Next UMM (7/10/2008, Room C209)

1:45 - 4: 30 p.m.

Open Session: Project Updates:

- 100/300 Area Groundwater (Jim Hanson/Ann Shattuck)
- Systematic Planning Process (B. Charboneau)
- Groundwater/Source Integration (All)
 - 5-year review update (Jim Hanson/Alicia Boyd)
- Mission Completion (Jamie Zeisloft/John Sands/Jeff Lerch)
- 100/300 Area Field Remediation and Closure (FR)
 - 100-F (Chris Smith/Jon Fancher)
 - Milestone M-16-49 (128-F-2 & 118-F-6)
 - 300-FF-2 (Chris Smith/John Darby)
 - 618-10/11 (Chris Smith/Scott Parnell)
 - 100-B/C (Chris Smith/Dean Strom)
 - 118-K-1 (Chris Smith/Nelson Little)
 - 100-D (Tom Post/Mark Buckmaster)
 - 100-H (Vanessa Mastren/Mark Buckmaster)
 - 100-IU-2/IU-6 (Chris Smith/Rich Carlson)
 - Sampling and FR Design (Chris Smith/Jason Capron/Rich Carlson)
- D4/ISS
 - 300 Area D4 (Rudy Guercia/Megan Proctor)
 - 100 Area D4 & ISS (Naomi Hake/Chris Smith/Dan Saueressig)
- Special Topics

Attachment 1



Rod Lobos/R10/USEPA/US
06/05/2008 10:30 AM

To Dennis Faulk/R10/USEPA/US@EPA, Larry
Gadbois/R10/USEPA/US@EPA, Alicia
Boyd/R10/USEPA/US@EPA, Laura
cc JPRI461@ECY.WA.GOV

bcc

Subject 100 and 300 Area ET

100 Area irrigation scenario.

I have run several different irrigation scenarios for both pasture and alfalfa. They have been with 30 to 40.5 inches of irrigation applied. During the irrigation season when the crop is using available water, nothing really makes it through, as the crop will use more than 30 inches. The water reaches the vadose zone during the winter months when the precipitation exceeds the water holding capacity of the soil. The results have anywhere from 3 to 5 inches of water leached with good management of the irrigation water. This corresponds to an ET coefficient of 0.91 to .86 keeping the input of 30 inches or irrigation constant. If irrigation is increased to 40.5 inches then the range shortens to 0.91 to 0.89.

WCHs proposal of using (.81) for a coefficient 30 inches irrigation and 6.81 inches of precipitation give a value of 6.99 inches of water leached. WCHs proposal should be acceptable as a realistic **conservative** amount of water reaching the vadose zone in the 100 areas.

300 Area industrial scenario.

I ran some additional numbers for the 300 Area. I looked at both a vegetated case and one with no vegetation. Looking at the no vegetation case the assumption was made that the soil ET would be for the first 3 inches (cheet grass or bare soil). The water holding capacity of the soil in the first three inches is very limited, therefore most of the precipitation makes it way through. I used a factor of 15% (also based on research data) of the ET of our pasture so precipitation that falls during the normal growing season actually does not leach down. The end result is that an industrial scenario with no vegetation will leach around 5 inches total. Because total rainfall is 6.81 the ET coefficient should be approx 0.28

Adding vegetation increases the depth of soil that ET will be effective. 300 area waste sites are supposed to be revegetated as per the ROD. This reduces the amount of leached water to approximately 2 inches. The corresponding coefficient is approximately 0.71

To summarize this in a table.

	Water leached	Coefficient
100 Area (RD/RA WP)	3	0.91
100 Area	5	0.86
300 Area	5	0.28
300 Area (vegetation)	2	0.71

This is something we should bring up at the next UMM.

Rod Lobos
Remedial Project Manager
Environmental Protection Agency, Region 10
Hanford Project Office

Attachment 2

(2)

**100/300 Areas Unit Managers Meeting
June 12, 2008**

100-NR-2 Groundwater OU - Russ Fabre

- Apatite Barrier Injections
 - Pilot Injections in wells 199-N-137/N138/N151 were completed on June 6, 2008. Preliminary Sr-90 results due June 17, 2008.
 - Construction of the six Ringold formation wells was completed on May 2, 2008.
 - Interim report on the low concentration injections has been completed and is in internal review. Data gaps were identified and are being corrected.
 - Infiltration gallery and phyto remediation contract releases have been issued to PNNL, research work to continue.
 - Food chain up-take: The aphid experiment has been completed. The results strongly suggest that there would be only a small possibility of contaminant transfer from the plants through an aphid infestation.
 - Eco-Risk assessment report comments by Ecology are being reviewed and will be dispositioned.
 - Planning for the next phase of injections is ongoing with the target date of June 23, 2008.

100-KR-4 Groundwater OU - Julie Robertson

- Monthly monitoring of cultural resources for 100-KR-4 was performed on 5/23/08. No problems were identified during the May monitoring. In response to concerns identified during the April monitoring, rail ties have been laid around the edges of four well pads on the K Area lower terrace.
- 100-KR-4 Remediation Treatment Status
 - For the period of May 1-31, 2008:
 - Extraction well 199-K-125A was down due to failed pressure transducer from 5/14/08 to end of month. This well is in the central portion of the plume, where hexavalent chromium levels are below 20 µg/L.
 - Total average flow through the system was approximately 296 gpm for the first half of the month and 254 gpm after well K-125A went down.
 - Average influent hexavalent chromium concentration was 28 µg/L.
- KR-4 Expansion
 - Construction is proceeding at KX. The three new ion exchange trains have been delivered to the construction contractor in preparation for placement in the facility. Design for tying in the new injection wells is underway.
 - Preparations are underway for drilling four new injection wells in locations agreed to by the Tri-Party Agencies on 4/15/08. On 5/27/08, the State Historic Preservation Office provided concurrence on the determination of Area of Potential Effect for two of the new wells and road servicing them, and the ensuing cultural review/consultation process is expected to continue into mid-July.
 - A TPA change notice related to the start-up of the KX system has been drafted and is in RL review. A TPA change notice to add the four new KX injection wells to the

**100/300 Areas Unit Managers Meeting
June 12, 2008**

HR3/KR4 waste management plan (DOE/RL-97-01) was approved by the agencies on 6/2/08.

- KW Groundwater Remediation
 - KW remediation treatment status for the period of May 1-31, 2008.
 - System operated normally.
 - Total average flow through the system was approximately 102 gpm.
 - Average influent hexavalent chromium concentration was 79 µg/L.
 - EPA comments on the sampling and analysis plan for drilling four new wells in the vicinity of the 105-KW reactor are being incorporated.

100-KR-4: K-Basins Monitoring Task—Duane Horton (FHI-updated 6/2/08)

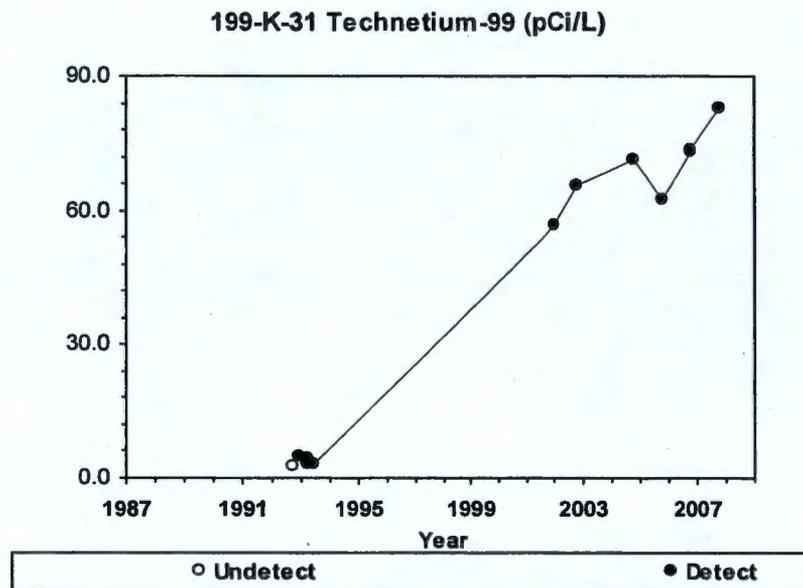
- Leak Detection Monitoring Results:
 - The most recent results for monthly sampling of wells close to the KE Basin are for samples collected in April 2008. Results are on level concentration trends with recent data.
 - Only one of four wells downgradient of the KE Basin was sampled as scheduled during May due to the large number of wells scheduled and limited resources during the month.
 - There is no indication of groundwater impacts attributable to leakage of shielding water from either Basin.
- Groundwater and Soil Remediation Project well sampling priorities:
 - Priority 1. Wells required by the Hanford Facility RCRA Permit, TPA compliance Agreements, State discharge permits, and State solid waste handling.
 - Priority 2. Wells required for RCRA interim status detection and assessment monitoring.
 - Priority 3. Wells supporting CERCLA regulator approved SAPs, Work Plans, and related TPA change control documentation.
 - Priority 4. Wells supporting Atomic Energy Act waste management and environmental protection monitoring (100-K basins).
 - Priority 5. AEA wells supporting other areas not included above.
- Monitoring Well Network:

The most recent results for routine quarterly sampling of K-Basins network wells are from the April sampling event.

 - The next routine quarterly sampling of K-Basins network wells is scheduled for July 2008.
 - Results received to date from the routine quarterly sampling in April 2008 are on trend with previous results.
 - Nitrate exceeded MCL in two wells, tritium exceeded the MCL in one well, chromium, exceeded the MCL in three wells, and gross beta exceeded the MCL in one well in April.
 - Technetium-99 has been increasing in well 199-K-31 due to arrival of technetium-99 plume from 200 East Area through Gable Gap (see below figure).
- Reporting:
 - The most recent quarterly, RCRA groundwater report was for October through December 2007 (SGW-37533).

**100/300 Areas Unit Managers Meeting
June 12, 2008**

- The fiscal year 2007 annual groundwater report (DOE/RL-2008-01) is available at <http://www.hanford.gov/cp/gpp/library/gwrep07>.



100-HR-3 Groundwater OU - Dave Shrimpton

- Remediation Treatment Status
 - For the period May 1-31, 2008:
 - The system operated normally. Extraction well H4-63 was down for 20 days due to a blown fuse problem.
 - Total average flow through the system was approximately 183 gpm.
 - Average influent hexavalent chromium concentration for H Area was approximately less than 0.014 mg/L.
 - Average influent hexavalent chromium concentration for D Area was approximately 0.129 mg/L.
- Remediation Process Optimization
 - The Decisional Draft of the DR-5 performance evaluation report is being finalized for RL's review which is planned to begin in mid July.
 - RPO team currently reviewing project documents associated with the various remedial actions and treatability test to support the 100-D Area technology/cost evaluation report and above ground process optimization. This review will integrate components of the 100-D Area CSM. A draft report is due to RL for review on June 27.
 - Provided to RL an evaluation of potential modifications to the HR-3 pump and treat system in terms of adding additional extraction and/or injection wells, including the "hot spot" well at 199-D5-99.

**100/300 Areas Unit Managers Meeting
June 12, 2008**

- A Chromium Remediation Technology Exchange Workshop was held on April 9-10. A draft copy of the workshop summary report was received by FH on June 4. A final copy to RL is due on July 15.
- A Groundwater-Columbia River Interactions Technical Workshop was held on April 16-18. The results and recommendations will be provided in workshop summary report which is due in July 2008 (No change).

- Engineering is finalizing a resin test plan for the purpose of optimizing resins at the existing pump and treat system. A subcontract will be awarded in early June.
- A 100-D Process Optimization workshop was held June 4-6 in which some 40 vadose zone and groundwater treatment technologies were evaluated, down selected and combined into eight remediation alternatives for further study.

- DR-5 Treatment Status
 - For the period May 1-31, 2008:
 - System operated normally.
 - Total average flow through the system was approximately 42 gpm.
 - The average influent hexavalent chromium concentration was approximately 0.662 mg/L.
 - Continued with waste stream process optimization to identify actions required to modify the DR-5 processing system and to eliminate discharge to the ISRM pond. The current 400% excess phosphate has been reduced to ~15% and the neutralization endpoint adjusted from 9.0 to ~10.5, reducing setting time and increasing precipitation efficiency. Tests to evaluate the effect of temperature were completed demonstrating that the temperature had no effect on the precipitation rate of efficiency. A path forward in terms of addressing the elimination of discharge to the ISRM pond should be available next month which will be based on the on-going optimization study.

- “Horn” Investigation
 - Completed the second round of groundwater samples. Overall the data is consistent with the first round of sampling. The third round of sampling is planned in June, 2008.
 - Completed installation of eleven pressure transducers. Another round of e-tape measurements is also planned in June.
 - Continue to gather data and prepare figures in preparation of the “Horn” investigative report. This report is due to RL in September.

- Summary of ISRM Status
 - Seventy ISRM wells were sampled in May. All the wells had lower concentrations of hexavalent chromium than the previous few months, with the exception of D4-35. At 0.690 mg/L (ppm), this is the highest value recorded in this well since before it was injected a second time in 2002. The river level rose approximately 1.5 m since the April sampling event, effectively reversing the groundwater gradient in the vicinity of the ISRM and consequently lowering concentration of chromium in the wells.

**100/300 Areas Unit Managers Meeting
June 12, 2008**

- Revising the draft ESD based on input from Ecology for the ISRM pond. Agencies have suggested that this ESD is combined with the ESD for the 100-KR-4/100-HR-3 cost exceedance of the -30+50 cost criteria.
- EM-22 Technology Projects
 - Investigation for mending ISRM Barrier: Reports on the detailed laboratory geochemical and iron injection tests have been completed. The final design package for field injections has been submitted, as has the draft Treatability Test Plan.
 - EC Treatability Test: The draft Treatability Test report was resubmitted to RL for their review. Further comments are expected from the EM-22 peer review meeting which is planned in July.
 - Completed all four new chromium source investigation wells in the 100-D southwest plume. Initial post-purge samples ranged from 60 ug/L hexavalent chromium in the furthest upgradient well to 22,400 ug/L in the well south of the "hot spot" roundwater data are currently being compiled. No significant vadose zone contamination has yet been detected.
 - The final Field Investigation Plan for investigation of chromium sources in the northern 100-D plume was submitted to Ecology for their review, comment, and approval on June 5, 2008.
 - Groundwater around the biostimulation wells is being sampled on a monthly basis. The groundwater is maintaining a reduced condition. A preliminary report on the early data is planned to be released in mid June, 2008.

300-FF-5 Operable Unit—Bob Peterson and Ron Smith (updated 6/10/08)

- Operations and Maintenance Plan Activities
 - *300 Area Subregion*: The most recent lab results to be loaded into HEIS are for samples collected during March and April 2008. The Fluor field team has arranged for sampling 300 Area wells during the second or third week in June, to cover the seasonal high water table conditions. Four wells have pump issues that are being worked by FH Engineering.
 - *618-11 Burial Ground Subregion*: The most recent contaminant of concern results are for samples collected in March 2008. Tritium at 699-13-3A, adjacent to the burial ground, is currently at 880,000 ug/L, a relatively low concentration compared to earlier levels.
 - *618-10 Burial Ground Subregion*: No new information to report.
 - *Update to Sampling and Analysis Plan (DOE/RL-2002-11, Rev. 2)*: Final draft is currently under review at DOE.
- Remediation Strategy Development
 - A report describing the remediation strategy for uranium in groundwater beneath the 300 Area is in FH internal review.
- Other Activities
 - *VOC Investigation*: A draft report describing the results of Phase II drilling for this investigation, along with interpretations, is currently under internal peer review at PNNL. Key findings are that elevated TCE appears to be contained within the fine-grained stratigraphic interval, and that the areal extent of this contamination is limited to the area east and south of the former South Process Pond.

100/300 Areas Unit Managers Meeting
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- *Systematic Planning for the 300 NPL Site:* Team is working on 300 Area NPL State of Knowledge.
- *Integrated Field-Scale Challenge Project, 300 Area:* Drilling within the former South Process Pond footprint is well underway, with five new boreholes drilled through the unconfined aquifer.

100-BC-5 Operable Units—Mary Hartman (Jane Borghese)

No new data to report on.

100-FR-3 Operable Unit—Mary Hartman (Jane Borghese)

New aquifer tubes (5 sites, 12 tubes) have been sampled. Results are being loaded into the HEIS data base. Verification of the sample data is currently taking place.

Aquifer Tube Installations – Jane Borghese

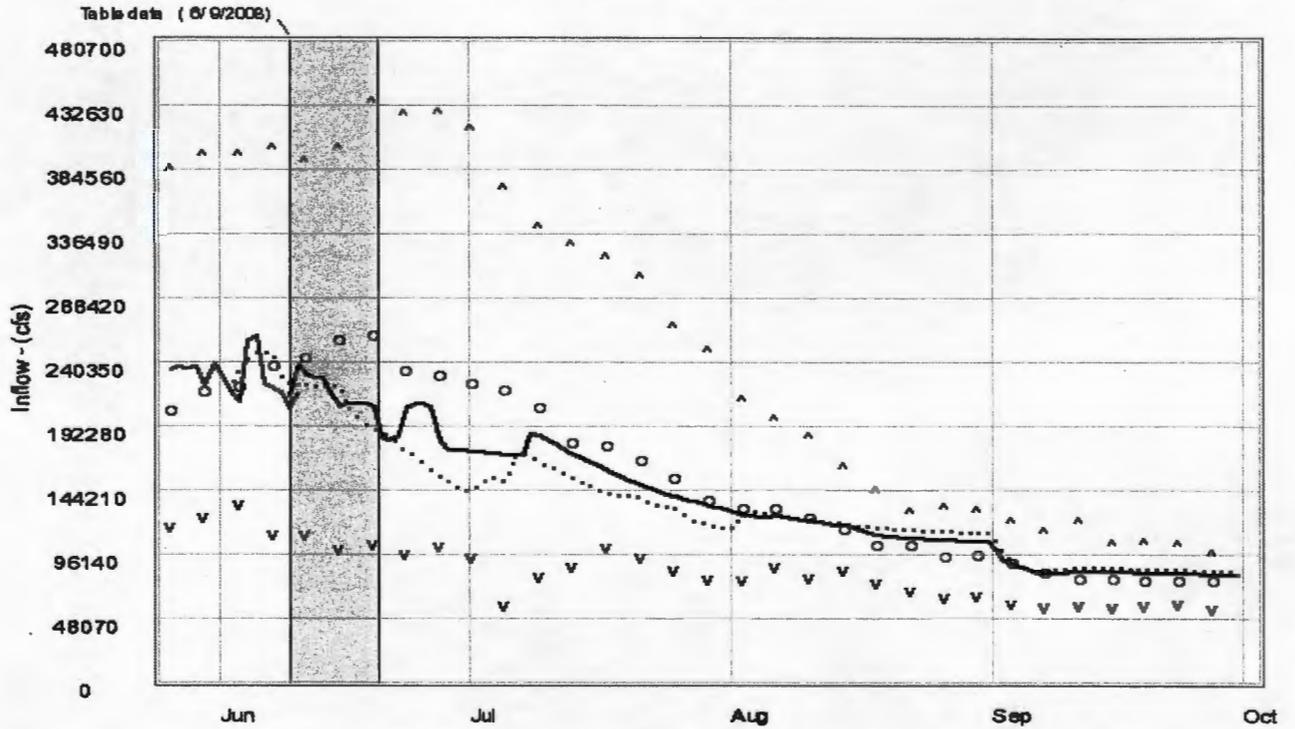
Thirty-three tubes sites have been installed to date, with a total of 75 tubes. Installation has been suspended because of high river stage. The stage is predicted to be at a level where we can install tubes at 100 B and the remaining 100 K sites in mid to late August. At that time our State Historic Preservation Office (SHPO) review will be complete for the excavation permit for the 100 K sites. The river stage needs to be lower for the remaining PO-1 sites (downriver of Hanford Town site), this is expected in early September. The June 4th forecast of the river is shown below.

**100/300 Areas Unit Managers Meeting
June 12, 2008**

**PRIEST RAPIDS DAM (PRWW1 Q1)
Inflow**

161 92 53

Forecast period: 06-09 to 09-30



Probability of exceedence
Climatology: 90%: v 50%: o 10%: ^

Summed volumes (kaf)
Obs: 7257.3
10-day: 4346.1
Season: 30638.6

Observed (Daily): RR —
Forecast STP: Current — Previous (6/2/2008) ...

Short term wx fcst included

Plot created: Tue Jun 10 08:17:54 PM GMT 2008, Northwest River Forecast Center

Attachment 3

Environmental Protection Mission Completion Project
June 12, 2008

Orphan Sites Evaluations

- 100-IU-2 and 100-IU-6 summary report being submitted for RL/regulator review this week.
- Completed N-Area historical review and walkdown.
- A field trip was conducted with RL and Ecology to visit a select group of sites in the 100-H Area on June 9th.
- Continuing data processing of orthophotography and LiDAR data in support of inter-areas evaluation. Data for a portion of the river corridor anticipated to be available in mid-July.

Long-Term Stewardship

- Continue preparing the draft 100-BC Area Remedial Action Report.

River Corridor Baseline Risk Assessment

- Continuing preparation of Draft B ecological risk and human health risk volumes.

Columbia River Remedial Investigation

- Draft A work plan review by Tri-Parties and stakeholders began June 9 and ends August 8.
- Working to finalize location and logistics for offsite comment resolution working sessions the week of August 11.

Document Review Look-Ahead

Document	Regulator Review Start	Duration
100-IU-2 and 100-IU-6 Areas Orphan Sites Evaluation Report	June 16, 2008	45 days
RI Work Plan for Hanford Site Releases to the Columbia River	June 9, 2008	60 days (August 8)
RCBRA Draft B	September 2008	45 days

Attachment 4

Activity ID	Activity Description	Early Start	Early Finish	2008												2009					
				M	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB						
Contracts																					
01000	Issue Notice of Termination to DelHur	26MAR08A	26MAR08A																		
01050	Close Out Open Change Notices	26MAR08A	30MAY08A																		
01200	Finalize Contract Costs (Post-Demob)	26MAY08A	20JUN08																		
Close Out Sorting Cells & Clean Trenches (A,B&M)																					
01600	Load Out Material (Includes Hot Part. & Debris)	26MAR08A	23MAY08A																		
01620	Size Reduce Debris	16APR08A	21APR08A																		
01625	Cleanout / Establish Sorting Cell Sloping	27MAR08A	09JUN08A																		
01630	On Site Survey & Down Post	01APR08A	10JUN08A																		
01640	Survey (LARADS)	31MAR08A	10JUN08A																		
01650	Develop Verification Sampling Instructions	04APR08A	23JUN08																		
01665	Regulator Review/Approval	25JUN08	24JUL08																		
01668	Finalize Sampling Plan	25JUL08	12AUG08																		
01750	Sample (Including Lab Time)	13AUG08	29AUG08																		
01800	CVP Development & Approval	01SEP08	02FEB09																		
Stabilize Open Trenches																					
02390	Mobilize Excavator, Dozer & Trucks	02APR08A	29APR08A																		
02400	Cover with Clean Soil (minimum 6 in.)	02MAY08A	16MAY08A																		
02415	Conduct Rad Survey & Repost	12MAY08A	13MAY08A																		
02450	Burn Trenches for Drainage Controls	15MAY08A	16MAY08A																		
02460	Spray Posi-Shell	14JUN08*	15JUN08																		
Containerized Waste Disposal																					
02690	Anomaly Work Package Preparation	21APR08A	19MAY08A																		
02700	Process Anomalies (Independent of Demob)	28MAY08A	29MAY08A																		
02750	Process Ready-to-Ship Waste	26MAR08A	06JUN08A																		
02800	Sample/Profile/Ship Waste	26MAR08A	17JUL08																		
Decon and/or Demob Equipment																					
04100	Intl Pay Hauler (Decon Included)	21APR08A	13JUN08																		
06100	CAT 312 (Decon Included)	05MAY08A	06MAY08A																		
06150	CAT 330 (Decon Included)	16JUN08*	19JUN08																		
06200	Hitachi 400 (Decon Included)	29APR08A	19MAY08A																		
06250	Hitachi 310 (Decon Included)	20MAY08A	30MAY08A																		
06260	CAT 245 (Decon Included)	29MAY08A	04JUN08A																		
06300	Remove "Clean" Equipment	01APR08A	19JUN08																		
Demob Trailers & Facilities (Including Electric)																					
04150	Remove MO-795 (CTA)	26MAR08A	26MAR08A																		
04600	Remove MO-775 (Sampler)	14APR08A	21APR08A																		
04650	Remove MO-753 (RCT)	13JUN08*	19JUN08																		
04700	Remove MO-750 (POD)	12JUN08*	19JUN08																		
04750	Remove MO-754 (RCT)	16JUN08*	19JUN08																		
04800	Remove MO-774 (DHI)	16JUN08	19JUN08																		
04850	Remove MO-751 (Restroom)	01SEP08	08SEP08																		
04900	Remove MO-755 (WCH)	01SEP08	10SEP08																		
04950	Remove Sample Trailer (Needed for Closeout)	01SEP08	18SEP08																		
14300	Environmental Air Monitors	26MAR08A	19JUN08																		
14320	Remove Water Tank & Isolate Pump	12JUN08*	19JUN08																		
14450	Remove & Dispose All Chemicals	31MAR08A	19JUN08																		
14500	Remove Fuel Tanks	31MAR08A	19JUN08																		
14580	Transfer Safety Equip	31MAR08A	19JUN08																		
14590	Final Walkdown	12JUN08	19JUN08																		
14600	Complete Punchlist Items	31MAR08A	19JUN08																		
+ Backfill																					
		29OCT08	19FEB09																		
Reveg																					
04000	Reveg Trenches A & B	11JAN10*	14JAN10																		

Trenches A, B & M Complete

Start Date 17MAR08
 Finish Date 14JAN10
 Data Date 12JUN08
 Run Date 12JUN08 11:00

Early Bar
 Target Bar
 Progress Bar

KCL1
 Sheet 1 of 1
 118-K-1 Demob Schedule
 6/11/08

Date	Revision	Checked	Approved

Attachment 5

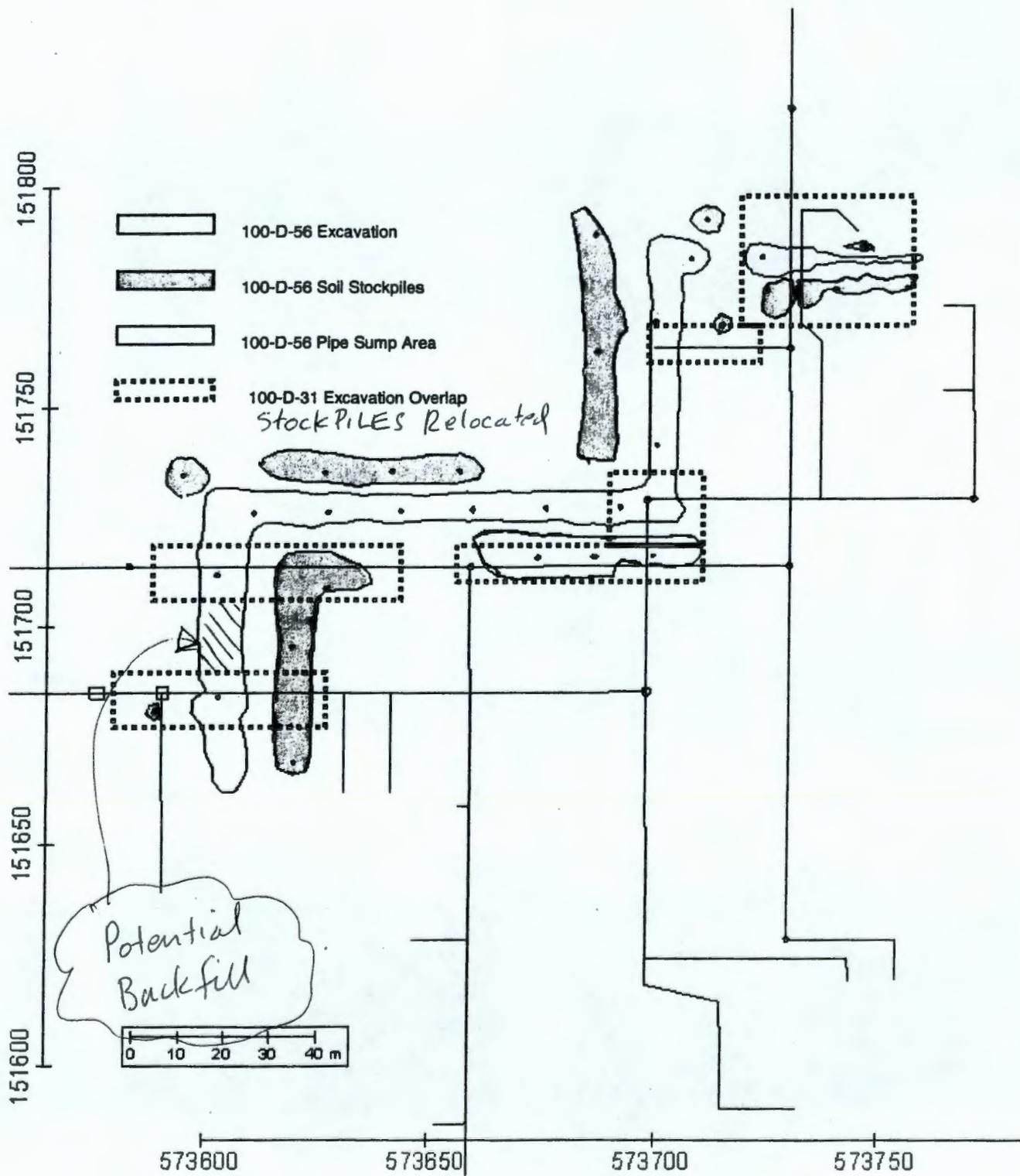
Attachment 6

100 D Area Interim Backfill/Relocation of Stockpiles for 100-D-56 North Pipeline

Ecology and DOE agree that it's necessary to backfill a small portion of the 100-D-56 trench for operational considerations (i.e., access). Clean borrow will be used, and can be removed at a later date if necessary.

In additional, several stockpile areas associated with 100-D-56 will be relocated to allow remediation of the adjacent 100-D-31 Pipelines.

See Attached figure for impacted areas.



Attachment 7

Mission Completion
Sample Design and Cleanup Verification
for the June 2008 UMM

AREA	DOE-RL/REGULATOR DELIVERABLE	START	FINISH	
100-BC	RL/Regulator Review Draft A Closure Document for 100-B-23	5/21/2008 (A)	7/4/2008	
	RL Approve 100-BC AMP (100B/FY07)	6/10/2008	7/15/2008	
	RL/Regulator Review Draft A WI for 100-B-21:3	6/25/2008	8/8/2008	
	RL/Regulator Sign Rev. 0 Closure Document for 100-B-23	7/28/2008	8/4/2008	
100-D	Regulator Review Draft A Closure Document for 100-D-3	4/17/2008 (A)	6/13/2008	
	Regulator Review Draft A WI for 120-D-2	5/6/2008 (A)	6/19/2008	
	Regulator Sign Rev. 0 Closure Document for 100-D-3	5/8/2008 (A)	6/24/2008	
	RL/Regulator Sign Rev. 0 WI for 120-D-2	5/8/2008 (A)	7/15/2008	
	RL/Regulator Review Draft A WI for 100-D-31:6	5/20/08 (A)	7/3/2008	
	RL Approve 100-D AMP (100-D_MD_FS)	6/4/2008	7/9/2008	
	Regulator Sign Rev. 0 WI for 100-D-76	6/19/2008	6/23/2008	
	RL/Regulator Review Draft A WI for 100-D-42	6/30/2008	8/9/2008	
	RL/Regulator Review Draft A WI for 100-D-43	6/30/2008	8/9/2008	
	RL/Regulator Review Draft A WI for 100-D-45	6/30/2008	8/9/2008	
	RL/Regulator Review Draft A WI for UPR-100-D-5	6/26/2008	8/9/2008	
	RL/Regulator Review Draft A WI for 100-D-29	6/26/2008	8/9/2008	
	Regulator Sign Rev. 0 WI for 100-D-31:5	6/30/2008	7/7/2008	
	RL/Regulator Review Draft A WI for 100-D-47	6/30/2008	8/13/2008	
	Regulator Sign Rev. 0 WI for 100-D-78	7/7/2008	7/8/2008	
	RL/Regulator Review Draft A WI for 100-D-56 South	7/8/2008	8/21/2008	
	RL/Regulator Review Draft A WI for 1607-D2:2	7/8/2008	8/24/2008	
	RL/Regulator Review Draft A WI for 118-D-4	7/9/2008	8/22/2008	
	RL/Regulator Review Draft A Closure Document for 100-D-56 North	7/14/2008	8/27/2008	
	RL/Regulator Sign Rev. 0 WI for 100-D-31:6	7/21/2008	7/24/2008	
	RL/Regulator Review Draft A Closure Document for 100-D-30	8/4/2008	9/17/2008	
	RL/Regulator Sign Rev. 0 WI for 100-D-45	8/25/2008	9/2/2008	
	RL/Regulator Sign Rev. 0 WI for 100-D-43	8/25/2008	9/2/2008	
	RL/Regulator Sign Rev. 0 WI for 100-D-56 South	9/9/2008	9/16/2008	
	100-F	RL/Regulator Review Draft A Closure Document 100-F-26:4 Pipeline	5/12/2008 (A)	6/25/2008
		RL/Regulator Review Draft A Closure Document for 100-F-44:5	5/13/2008 (A)	6/26/2008
		RL/Regulator Sign Rev. 0 Closure Document for 100-F-44:5	5/15/2008 (A)	7/29/2008
RL/Regulator Review Draft A Closure Document for 120-F-1		6/4/2008	7/19/2008	
RL/Regulator Review Draft A Closure Document for 100-F-52		6/4/2008	7/19/2008	
RL/Regulator Review Draft A Closure Document for 100-F-46		6/9/2008	7/24/2008	
RL/Regulator Review of Draft A Closeout Document 118-F-6		6/16/2008	7/30/2008	
RL/Regulator Review Draft A Closure Document for 100-F-53		6/18/2008	8/1/2008	
RL/Regulator Review Draft A Closure Document for 100-F-44:4		6/18/2008	8/1/2008	
RL/Regulator Review of Draft A Closeout Document for 128-F-2		6/26/2008	8/9/2008	
RL/Regulator Review Draft A Closure Document 100-F-26:9 Pipeline		7/2/2008	8/15/2008	
RL/Regulator Sign Rev. 0 Closure Document 100-F-26:4 Pipeline		7/21/2008	7/22/2008	
RL/Regulator Sign Rev. 0 Closure Document for 100-F-52		8/4/2008	8/11/2008	
RL/Regulator Sign Rev. 0 Closure Document for 120-F-1		8/11/2008	8/19/2008	
RL/Regulator Sign Rev. 0 Closure Document for 100-F-44:4		8/18/2008	8/25/2008	
RL/Regulator Sign Rev. 0 Closure Document for 100-F-53		8/18/2008	8/25/2008	
RL/Regulator Sign Rev. 0 Closure Document for 100-F-46		8/18/2008	8/26/2008	
RL/Regulator Sign Rev. 0 Closure Document for 100-F-26:9 Pipeline		9/2/2008	9/11/2008	
RL/Regulator Sign and Issue Rev. 0 Closeout Document 128-F-2		9/22/2008	9/30/2008	

Mission Completion
Sample Design and Cleanup Verification
for the June 2008 UMM

100-H	RL/Regulator Sign Rev. 0 WI for 100-H-36	6/30/2008	7/8/2008
100-N	RL/Regulator Sign Rev. 0 WI for 100-N-28	6/23/2008	6/30/2008
100-IU-2/3	RL/Regulator Review Draft A WI for 600-149	7/1/2008	8/14/2008
	RL Approve 100-IU AMP (100-IU_2_6)	7/8/2008	8/11/2008
	RL/Regulator Review Draft A Closure Document for 600-111	7/21/2008	9/3/2008
300 Area	618-10/11 RL Review Phase 2 Characterization Plan	2/26/2008 (A)	5/29/2008
	Regulator Review of Draft A Closure Document 600-243	5/8/2008 (A)	6/23/2008
	Regulator Sign Rev. 0 Closure Document 600-243	5/10/2008 (A)	7/22/2008
	RL/Regulator Review of Draft A Closure Document 331 LSLDF	5/19/08 (A)	7/2/2008
	618-10/11 Comment Res/Transmit to EPA Drft A SAP	5/22/2008 (A)	6/12/2008
	RL/Regulator Review Draft A WI for 300-32	6/23/2008	8/6/2008
	RL Review Draft B 300 Area ESD	7/7/2008	7/29/2008
	RL/Regulator Approval of Rev. 0 Closure Document 331 LSLDF	7/17/2008	7/22/2008
	RL Review Misc Rest Cultural Review(MR_FY08)	7/21/2008	8/21/2008
	RL Review 300 Area RDR	7/30/2008	9/17/2008
	618-10/11 Comment incorp/Tech Edit/Issue SAP R-0	7/31/2008	8/13/2008
	RL Approve 300 Area AMP (300_2Es)	8/6/2008	9/10/2008
100 Area	RL/Regulator Review of 100-A SAP	6/24/2008	8/12/2008
	RL Review of 100-A RDR	7/1/2008	8/19/2008

Attachment 8

Status for 300 FR

618-7 Burial Ground:

- Continued with excavation and processing of drums from the east half of middle and north trenches. We have excavated approximately 400 drums to date.
- Continued load out of waste from the west half of the middle and north trenches continued. We have shipped 40,000 ust from the site to date.
- Currently we are targeting to start excavation in the Thoria trench by July 7.

618-1 Burial Ground

- Performed a walk-down of 618-1 site and started preliminary planning of the operations and site layout with the subcontractor.

Attachment 9

300 Area D4 Status
June 12, 2008
100/300 Area Combined Unit Manager Meeting

Ongoing Hazardous Material Removal

- 324
- 327
- 308

Ready for Demolition:

- 337
- 337B
- 323
- 3718A, B, C, E and G
- 3727
- 3728
- 3721

Demolition Activities:

- 384 – Demolition complete. Loadout underway.
- 321 – Demolition underway.
- 3718, 3718N – Demolition complete.
- 3128 - Demolition complete.

60-Day Project Look Ahead

- Continue hazardous material removal at 337B
- Start demolition at 323
- Start demolition at 3718A, B, C, E, and G
- Start demolition at 3727, 3728, and 3721

Attachment 10

100 Area D4/ISS Status
June 12, 2008
100/300 Area Combined Unit Manager Meeting

Ongoing Activities

- **105-N/109-N** – 109-N complete with the exception of room 33 and liquid pipe checks. Mobilizing to 105-N, setting up decontamination showers, support zones and new support trailer. Hazardous material removal (lights, ballasts, etc.,) in 105-N ongoing.
- **116-N** – Preparation for explosive demolition ongoing.
- **182-N** – Hazardous material removal and asbestos abatement ongoing.
- **184-N** – Preparation for explosive demolition ongoing.
- **184-NA** – Abovegrade demolition complete. Belowgrade demolition on hold until export water line is removed.
- **1802-N** - Below grade demolition and load-out of above and below grade debris ongoing.
- **105-N** – Class 1 asbestos abatement ongoing.
- **1705-N/1706-N, 1712-N, 1714-N/NA/NB** - Belowgrade demolition ongoing.

60-Day Project Look Ahead

- 109-N completion of subcontractor work scope.
- 105-N asbestos abatement in room 6. Set-up work zones in 105-N.
- 184-N demolition.
- 108-N demolition phase II.
- WCH bid review of 105-N/109-N demolition and Safe Storage Enclosure construction proposals complete. Preparation for DOE HQ review in process. Contract award scheduled for July 2008.
- 1310-N/1322-N characterization.
- 116-N stack demolition.