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100 / 300 AREA UNIT MANAGERS MEETING
APPROVAL OF MINUTES
August 10, 2006

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APPROVAL: _____ Date 10/12/06
Kevin D. Bazzell, DOE (A3-04)
River Corridor Project Manager

APPROVAL: _____ Date 11/7/06
Briant Charbonneau, DOE (A6-33)
Groundwater Project Manager

APPROVAL: _____ Date Oct. 12, 2006
John Price or Rick Bond, Ecology (H0-57)
Environmental Restoration Manager

APPROVAL: _____ Date Oct 12, 2006
Larry Gadbois, EPA (B1-46)
100 Aggregate Area Unit Manager

APPROVAL: _____ Date Oct 12, 2006
Alicia Boyd, EPA (B1-46)
300 Aggregate Area Unit Manager

Prepared by: N/A Date: N/A
Kathe Machado (H0-19)
WCH Regulatory Integration and Outreach

Concurrence by: N/A Date: N/A
Fran DeLozier (H0-34)
Director, WCH Regulatory Environmental Management

100/300 AREA UNIT MANAGER MEETING
ATTENDANCE AND DISTRIBUTION
August 10, 2006

NAME	E-MAIL ADDRESS	MSIN	COMP	SIGNATURE
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Clark, Clifford E	Clifford_E_Cliff_Clark@rl.gov	A5-15	DOE	
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Lobos, Rod	LOBOS.ROD@EPA.GOV	B1-46	EPA	

100 & 300 AREA UNIT MANAGER MEETING MINUTES

Groundwater, Source Operable Units, and Facility Demolition

August 10, 2006

ADMINISTRATIVE

- Next Unit Manager Meeting (UMM) - The next regularly scheduled meeting will be held on September 14 at Washington Closure Hanford (WCH), Hanford Square IV, Room 454 A.

- Department of Ecology (ECO) Statement on Official Delegation Practices - John Price, Department of Ecology (ECO) requested the minutes reflect the following statement *(See **Attachment 1**: List of operable units and delegation statement)*:

  "The Ecology Project Manager asked if anyone from US DOE had been delegated TPA Project Manager authority and responsibility for the [milestone or operable unit]. No one from US DOE agreed that they had delegated authority."

  The 100 area was represented only by DOE. It was established that Rudy Guercia (DOE-RL) has delegated authority to act on behalf of Kevin Bazzell (DOE-RL). Alicia Boyd was delegate for EPA. John Price was delegate for ECO.

  John further recommended a meeting format change to focus on the requirements of the Tri-Party Agreement (TPA) *(See **Attachment 2**: Proposed Unit Manager Meeting Agenda Revision).*

- Quorum - With the delegates identified, a quorum was present to conduct the business of the Unit Managers Meeting.

- Approval of Minutes - The minutes of the July 13 meeting were approved as corrected and were signed at the meeting.

- Project Schedules - At the June 8, 2006 UMM, John Price (Ecology) requested the project schedules being submitted at the UMM contain information through June 30, 2007. Ecology stated the schedules submitted were incomplete, as they did not contain the information as requested. Ecology also stated this is a DOE issue and will be discussed at the IAMIT. WCH stated the schedules for the August UMM will have information through 2007.

  Dennis Faulk (EPA) stated that submittal of these schedules does not indicate agreement or approval of the dates by EPA, as some of the current due dates on the schedules are outside milestone completion dates.

  Action No. 100-002: (Administrative). Jennifer Ollero to send out Action Items within one week of UMM.
  Date: 8/10/06.
  Status: Closed

100 AREA GROUNDWATER

- **Action No. 100-001**: (100 HR-3 Groundwater) Jane Borghese (FH) to investigate status on the 182-D Reservoir and learn if there is a way the leak can be sealed so it does not contaminate the reservoir.
  Date: 4/13/06.
  Status: 7/13/06; Ecology is sending a letter regarding 100-D-56 and is including a discussion on the 182-D Reservoir.

- 100-NR-2 - Russ Fabre (FH) reported on the status of the Apatite Treatability Test. There were no regulatory issues needing resolution or action. *(See **Attachment 3:** 100 UMM Groundwater Operable Unit Status, dated August 10, 2006).*

- 100-KR-4 - Ron Jackson (FH) reported the average flow through the system is 260 gpm and the system is operating at 90%. There are three new wells and new scope for the project. There were no regulatory issues needing resolution or action *(See **Attachment 3:** 100 UMM Groundwater Operable Unit Status, dated August 10, 2006).*

- K Basins - Bob Peterson (PNNL) reported on the quarterly sampling being conducted. There were no regulatory issues needing resolution or action. *(See **Attachment 3:** 100 UMM Groundwater Operable Unit Status, dated August 10, 2006).*

- 100-HR-3 - Ron Jackson (FH) discussed the status of the groundwater OU's. There were no regulatory issues needing resolution or action. *(See **Attachment 3:** 100 UMM Groundwater Operable Unit Status, dated August 10, 2006).*

- 100-BC-5 - There were no regulatory issues needing resolution or action.

- 100-FR-3 - There were no regulatory issues needing resolution or action.

300 AREA GROUNDWATER

- Project Specific Items – Sampling is semi-annual and is consistent with historical data. There were no regulatory issues needing resolution or action. *See **Attachment 4** (100/300 Areas Unit Managers Meeting for August 10, 2006; 300-FF-5 Operable Unit (300 Area, 618-11 Subregion, and 618-10/316-4 Subregion), 100-BC-5 and 100-FR-3 Operable Units Aquifer Tube Network).*

  Cross-Ref: See Action No. 300-002 - Invite Jacqui Shea (Ecology), Alicia Huckaby (Ecology), Alicia Boyd (EPA) to the September 300 Area aquifer tube sampling event.

GROUNDWATER/SOURCE OU INTEGRATION

- Open Action Items - N/A

- Issues/Discussion - There were no regulatory issues needing resolution or action.

FIELD REMEDIATION CLOSURE

- **Action No. 100-003**: EPA and Ecology request DOE prepare a schedule for cleanup of the 200-CW-3 waste sites that are listed in the 100 Area Remaining Site Record of Decision.
  Date: 7/13/06
  Status: New

- **Action No. 100-004**: Present an errata sheet to provide consistent tritium cleanup levels between the 100 Area Burial Ground SAP and the 100 Area SAP
  Date: 7/13/06
- **Status**: Closed. Fran DeLozier (WCH, for Lorna Dittmer, WCH) presented an errata sheet for the 100 Area Burial Ground SAP and the 100 Area SAP. *See **Attachment 5** (Errata for 100 Area Burial Ground SAP and the 100 Area SAP).*

- RCCC Project Schedules - Fran DeLozier (WCH) provided RCCC Project Schedules

- Engineering Design and Closure - There were no regulatory issues needing resolution or action.

- Sample Design and Cleanup Verification - *See **Attachment 5** (Errata for 100 Area Burial Ground SAP and the 100 Area SAP).*

  Action No. 300-004 - Set up a meeting with Rudy Guercia (RL) and Alicia Boyd (EPA) to discuss interpretation of the 300 Area RDR.
  Date: 8/10/06
  Status: New

  Cross-Ref: See Action No. 100-005 - EPA and Ecology request a meeting with the person who can approve/disapprove the RDR language.

  Cross-Ref: See Action No. 100-004 - Present an errata sheet to provide consistent tritium cleanup levels between the 100 Area Burial Ground SAP and the 100 Area SAP

  Cross-Ref: See Action No. 300-003 - Set up a meeting with Alicia Boyd to discuss the sampling at 618-2.

- 100 Area Field Remediation

  - 100-B/C - There were no regulatory issues needing resolution or action. *See **Attachment 6** (Map for 100 B/C Area; Schedule Status dated August 9, 2006; 100-BC Field Remediation Deliverables.*

  - 100-K – There were no regulatory issues needing resolution or action.

    Action No. 100-006 - RL to provide EPA and Ecology a copy of the NorthWind Characterization Report for 118-K-1.
    Date: 7/13/06
    Status: In Revision and Review

    Action No. 100-007 - RL to provide EPA and Ecology the status of the AMEC Report on 118-K-1.
    Date: 7/13/06
    Status: Closed. Did not happen.

  - 100-N - There were no regulatory issues needing resolution or action.

  - 100-D - There were no regulatory issues needing resolution or action.

  - 100-F - There were no regulatory issues needing resolution or action.

  - 100-IU-2/6 - There were no regulatory issues needing resolution or action.

- 300 Area Field Remediation

  - 618-2 - WCH reported that there are still anomalies that need to be addressed.

    Action No. 300-003 - Set up a meeting with Alicia Boyd to discuss the sampling at 618-2.
    Date: 7/13/06
    Status: Closed. Meeting was held July 24, 2006/

  - 618-7/13 – Project is on schedule to start in September/October 2006. There were no regulatory issues identified needing resolution or action.

  - 618-10/11 – The Independent Review Team is here to review the design. Planning to continue meeting with EPA and Ecology. There were no regulatory issues identified needing resolution or action.

- **Action No. 300-001**: (100 HR-3 Groundwater) Jane Borghese (FH) to investigate status on the 182-D Reservoir and learn if there is a way the leak can be sealed so it does not contaminate the reservoir.
  Date: 4/13/06.
  Status: Closed 7/31/06; Ecology is sending a letter regarding 100-D-56 and is including a discussion on the 182-D Reservoir.

END STATES AND FINAL CLOSURE PROJECT

- 100/300 Area Risk Assessment – There were no regulatory issues needing resolution or action.
- Columbia River Component – There were no regulatory issues needing resolution or action.
- D Area Orphan Sites – There were no regulatory issues needing resolution or action.
- Integrated Strategy for Final Cleanup Decisions – There were no regulatory issues needing resolution or action.

DEACTIVATION, DECONTAMINATION, DECOMMISSION, DEMOLITION (D4)

- Open Action Items
  Action: (D4) Alicia Boyd (EPA) and Larry Gadbois (EPA) will detail expectations on sampling analysis plans (SAPs) regarding qualification for Bechtel Hanford Inc. (BHI) internal references.
  Date: 3/9/06
  Status: Open - Will be closed by August 10, 2006
- 100 Area - There were no regulatory issues needing resolution or action.
- 300 Area – Rudy Guercia (DOE) discussed the 60-day project look ahead. There were no regulatory issues needing resolution or action. *See **Attachment** 7 (300 Area D4 Status, August 10, 2006, 100/300 Area Unit Manager Meeting).*

INTERIM SAFE STORAGE (ISS)

- 100-K EE/CA - No report.

SPECIAL TOPICS

- No Special Topics were discussed.

Machado, Kathryn L

From: Bazzell, Kevin D [Kevin_D_Bazzell@RL.gov]

Sent: Friday, August 04, 2006 10:39 AM

To: Price, John (ECY); Charboneau, Briant L; Romine, Larry D; Boyd, Alicia

Cc: Machado, Kathryn L; Gadbois, Larry; Cameron, Craig; Faulk, Dennis; Bond, Rick; Cusack, Laura J; Ollero, Jennifer F; DeLozier, Mary P (Fran); Goswami, Dibakar; Rochette, Beth; Borghese, Jane V; Clark, Clifford E (Cliff); Skinnarland, E R (Ron); Davis, Greta P; Vanni, Jeanne; Huckaby, Alisa D; Bauer, Roy G; Feist, Ella T; Carlson, Richard A; Guercia, Rudolph F (Rudy); Robertson, Owen Jr; Sands, John P; Smith, Douglas C (Chris); Westover, Kent R; Zeisloft, Jamie; Bazzell, Kevin D

Subject: 100 Area UMM on Thursday August 10

Follow Up Flag: Follow up

Flag Status: Completed

I will not be available to attend the August 10th 100/300 Area UMM. In accordance with the allowances of TPA Action Plan, Section 4.1, I delegate my River Corridor Closure Project (RCCP) authority and responsibilities as follows:

Chris Smith - ISS, 100 Area D4, 100 B/C remediation, 100 F remediation, 300 Area remediation
Kent Westover - 100 H remediation, 100 N remediation
Jamie Zeisloft - 100 K remediation, 100 D remediation
John Sands - Risk Assessment, Closure, End States
Rudy Guercia - 300 Area D4 and any RCCP related activities not represented by others

Thanks,

Kevin

Borghese, Jane V	Jane_V_Borghese@rl.gov	E6-35	FH	
Jackson, Ron	Ronald_L_Jackson@rl.gov	E6-35	FH	Ronald L Jackson
Piippo, Rob	Robert_E_Piippo@rl.gov	H8-12	FH	
Fabre, Russel J	Russel_J_Fabre@rl.gov	E6-35	FH	Russell J Fabre
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Jackson, Ronald				
Blackburn, Jeb		H4-15	WCH	
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CIMON, SHELLEY	SCIMONE@OREGONTRAIL.NET	OREGON		

① 100-DR-1 operable unit
② 100-DR-2
100-HR-1
100-HR-2
100-HR-3
100-NR-1
100-NR-2

M-16-00A
M-016-14A
M-16-14B

M-16-47
M-16-50
M-50-51
M-16-54
M-16-55

Milestones (see attachment)

Let the minutes reflect the following:

"The Ecology Project Manager asked if anyone from US DOE had been delegated TPA Project Manager authority and responsibility for the _____ [milestone or operable unit]. No one from US DOE agreed that they had delegated authority."

NO ONE FROM 100 AREA WAS PRESENT. EXCEPT DOE

ALICIA BOYD HAS AUTHORITY FOR EPA -

R. Garcia - DOE Delegated for K Bazzell.

Proposed Unit Manager Meeting agenda revision

- Approval or changes to previous meeting minutes
- Issues discussion between TPA Project Managers
- Agreements or Commitments by TPA Project Managers
- Changes to schedules
- Status reports

Proposed Unit Manager Meeting agenda revision

- Approval or changes to previous meeting minutes
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- Agreements or Commitments by TPA Project Managers
- Changes to schedules
- Status reports

Kathy

100 UMM
Groundwater Operable Unit Status
August 10, 2006

100-NR-2 Groundwater OU - Russ Fabre

- Ecological Impact Assessment

  Draft A of this report was released and we are waiting for public comment (Ecology comments were addressed in the Draft A, with a detailed comment disposition record included as a new Appendix).

- Apatite Treatability Testing Status

  The first pilot test was designed based on literature and laboratory testing in sediment columns at Pacific Northwest National Laboratory using NR-2 sediments collected at the test site. Preliminary results from the first field scale pilot test indicated that more calcium occurred in the test zone than was added, which was expected based on bench-scale testing results. However, the ionic strength of the apatite forming solution apparently resulted in leaching of calcium from the aquifer solids, causing higher than expected calcium concentrations within the treated zone and in turn causing the mobilization of more adsorbed strontium-90 than was expected based on laboratory results. Subsequent laboratory tests are being conducted to optimize the injection solution by minimizing the Na, Ca and citrate concentrations in the treatment mixture and thereby minimize calcium and strontium-90 desorption. The objective of the second pilot test is to evaluate the performance of a modified apatite-forming solution.

  The second pilot test site will be located at the far downstream end of the 300 ft barrier to avoid interference with the treatment zone from the first pilot test. The test array will be similar to the first pilot test.

  Additional monitoring points will be constructed near well N-137 in preparation for a second pilot test.

  The injection systems have been constructed and are available for the barrier injections.

100-KR-4 Groundwater OU - Ron Jackson

- Remediation Treatment Status
  - For the period of July 1-July 23, 2006:
    - System operated normally with the exception that extraction well K-115 was down for 6 days due to electrical problems.
    - Total average flow through the system was approximately 260 gpm.
    - Average influent hexavalent chromium concentration was 0.023 mg/L.
  - KR-4 Expansion (New Scope)
    - Two injection wells (of approximately 7 needed) are planned to be drilled in FY 06 to support KR-4 treatment expansion (an additional 200 gpm capacity). A preliminary meeting was held with RL and EPA on well locations.
    - Ordered three additional IX treatment skids, larger treatment building, and two transfer buildings. The plan is have the new system operating by March 30, 2007.

- Other Drilling
  - RL directed FH to drill three monitoring wells at 100-K area. Two wells will replace KE facility monitoring wells scheduled for decommissioning and one well will be installed up gradient of 199-K-126. (No change)

- KW Groundwater Remediation
  - Drilling of the injection/extraction wells (4) are planned to start on August 11 2006.
  - Delivery date of the treatment skid is due in mid August. Grubbing of the site started on August 9, 2006.
  - Provided Decisional Draft to EPA on the KW supplement to the 100-KR-4 RDR/RAWP at the July UMM. Received EPA comments Decision draft. Met with EPA to clarify that RL is meeting EPA expectations on the 100 gpm treatment capacity and the system will be on line on December 28, 2006 (assuming no unusual condition weather conditions). Clarification will be provided in the RDR/RAWP.

K-Basins Monitoring-Robert Peterson

- Leak Detection Monitoring (no change from previous UMM):
  - No evidence in groundwater monitoring results for recent loss of shielding water to the ground at wells nearest each basin. Conditions remain on trend and within expectations. Figures showing tritium concentration trends are included as Attachment 2.
  - Monthly monitoring continues at three wells near KE Basin, as sludge removal activities continue. Quarterly sampling is in effect at other wells in the K-Basins network.
- Monitoring Well Network:
  - Pumps have been replaced in wells 199-K-27 and 199-K-109A, although mechanical problems with the actuator rods have delayed sampling (expected to be completed August 8). This will represent the routine quarterly sampling for July for these wells, and because of the delay, the monthly sampling for August has been cancelled.
- Reporting:
  - Quarterly K-Basins report for January, February, and March 2006 is in the release process; should be available as a .pdf file via email distribution within several days.

100-HR-3 Groundwater OU - Ron Jackson

- Remediation Treatment Status
  - For the period June 26-July 21, 2006:
    - System operated normally. Total average flow through the system was approximately 243 gpm.
    - Average influent hexavalent chromium concentration for H Area was approximately 0.013 mg/L
    - Average influent hexavalent chromium concentration for D Area was approximately 0.030 mg/L.

100 UMM
Groundwater Operable Unit Status
August 10, 2006

- Cleanup of chromium in the vicinity of 100-H reactor is progressing well (See Attachments 1). Future meetings with Agencies need to be arranged to discuss O&M options for the reactor area. Ecology is expecting to see Action Items for the "Horn" in the 5-year ROD review.

- DR-5 Treatment Status
  - For the period July 1-July 23, 2006:
    - System operated normally.
    - Total average flow was approximately 43 gpm.
    - The average influent hexavalent chromium concentration was 0.737 mg/L.

- Summary of ISRM Status
  - Collected and analyzed seven samples from ISRM barrier wells in June and July, 2006. All chromium concentrations were low due to high river stage. (No change). All the wells will be sampled during the August quarterly sampling event.

- D Area Groundwater Plume Definition
  - Three wells are planned in FY06 to be drilled in the vicinity of the 190-DR clear wells to help define the up-gradient portion of the chromium groundwater plume. Meetings have been held between RL, Ecology, and WCH to coordinate the drilling schedule (and location) to the WCH's excavation schedule. (No change)

- EM-21 Proposals
  - Statements of Work are being prepared to support Requests for Proposals for the electrocoagulation and iron injection projects. Treatability test plans will be submitted for approval by the regulatory agencies.

  - Proposals for treating the core of the ISRM plume (using calcium polysulfide) and refining the location of the plume's source (through geophysics) were rewritten, as suggested by the DOE Peer Review Committee. A proposal was submitted by PNNL to address the plume remediation using bioremediation. A joint proposal by PNNL and FH was submitted to refine the source of the ISRM plume through groundwater sampling, and to investigate the geochemistry of chromium in the vadose zone using samples obtained during drilling. These proposals have not yet received approval.

Attachment 1 – Figures 1 and 3 from Current Quarterly Report for K-Basins: Tritium Trends Near KE and KW Basins

Figure 1. Tritium in Groundwater Near the KE Fuel Storage Basin

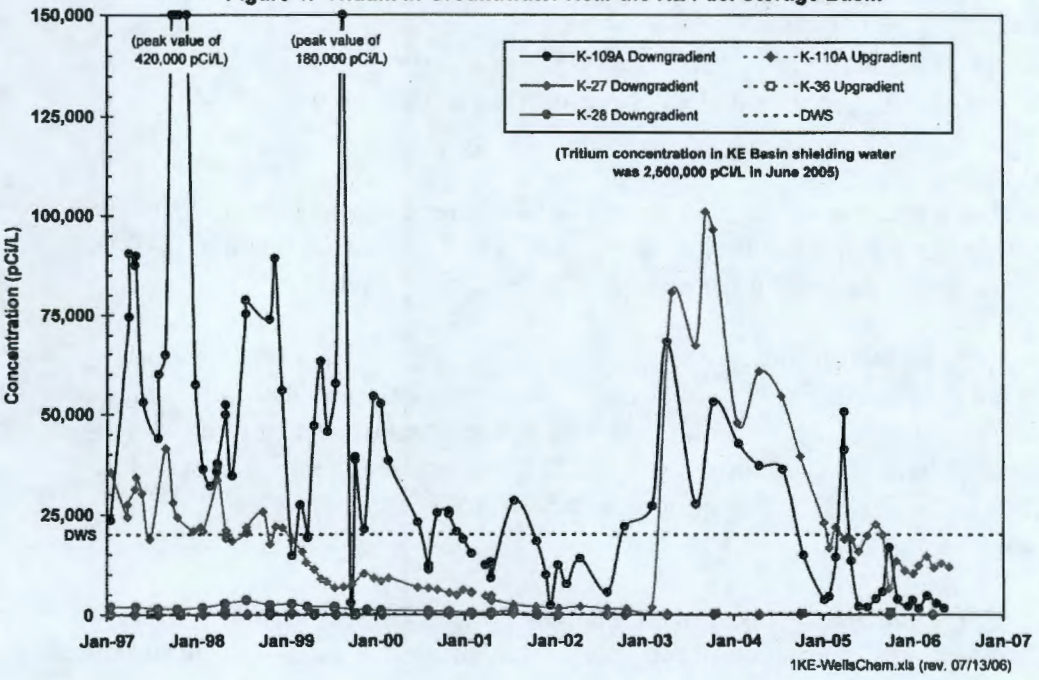
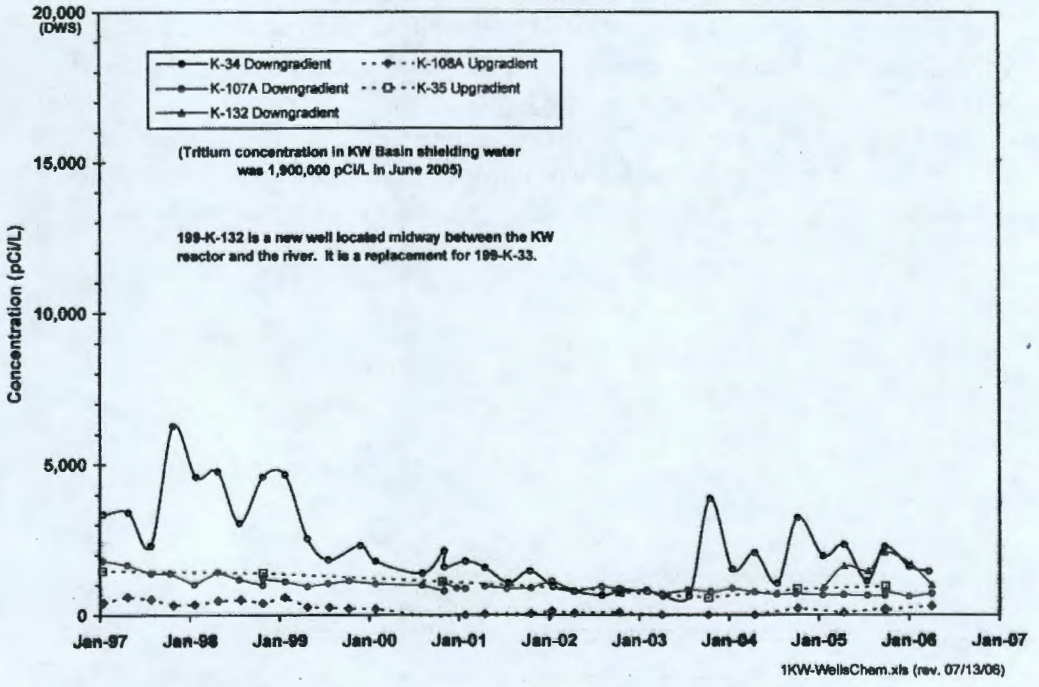
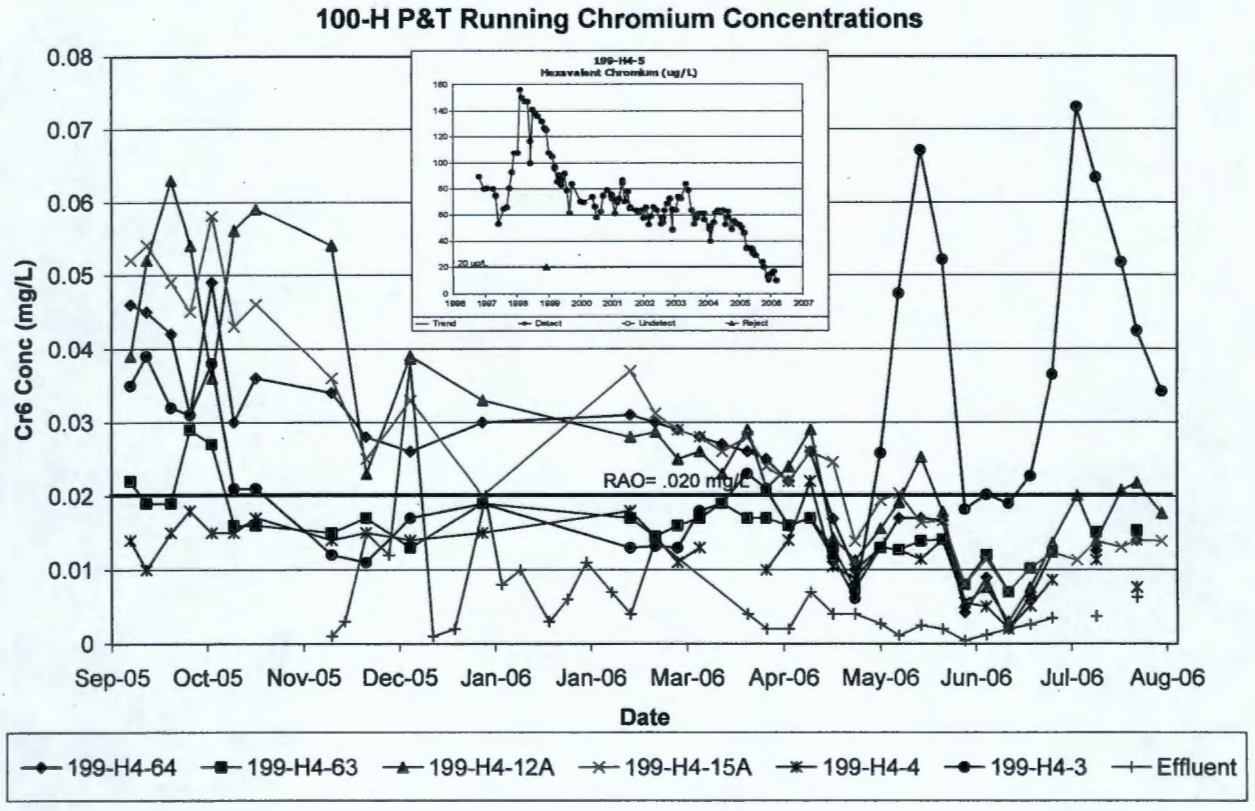


Figure 3. Tritium in Groundwater Near the KW Fuel Storage Basin



Attachment 2 – 100-H Chromium Trend Plots (Draft)



Ron Jackson -

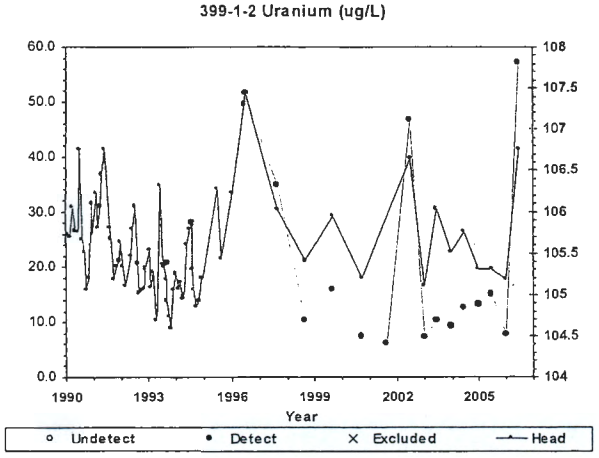
100/300 Areas Unit Managers Meeting for August 10, 2006

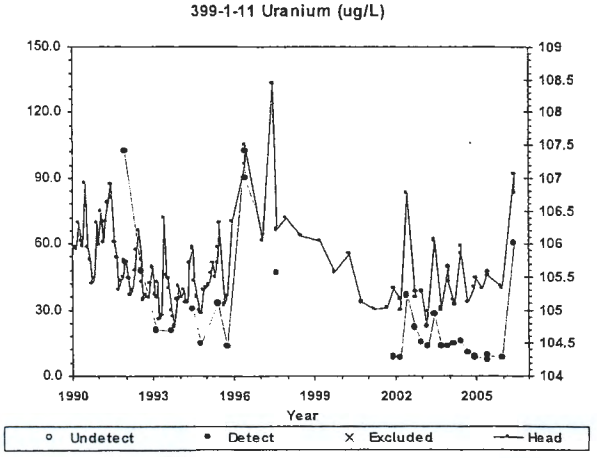
300-FF-5 Operable Unit (300 Area, 618-11 Subregion, and 618-10/316-4 Subregion)
100-BC-5 and 100-FR-3 Operable Units
Aquifer Tube Network

Bob Peterson (373-9020) and Mary Hartman (373-0028)

300-FF-5 OPERABLE UNIT GROUNDWATER

- **Operations and Maintenance Plan Requirements**
  - 300 Area:
    - The most recent semi-annual sampling event took place in June and nearly all analytical results for that sampling are now available. Analytical results for the June sampling event are consistent with previous trends and expectations.
    - At many wells located near former waste sites and areas of potentially contaminated lower vadose zone sediment, uranium concentrations are higher than during other times of the year (see trend charts below for 399-1-2 and 399-1-11, which are near the 300 Area Process Trenches and associated underground lines).
    - At many wells located near the river, uranium concentrations are lower, because of dilution by river water.
    - Increased scrutiny of groundwater results at 399-1-2, which is adjacent to the 618-2 burial ground excavation, is underway. An increase in uranium occurred for the June sample and coincided with an elevated water table at the well.
  - 618-11 Subregion: The most recent sampling took place in late June; results remain on trend and as expected. Tritium concentrations at 699-13-3A are at the lowest recorded, i.e., 996,000 pCi/L (compare with peak value of 8,370,000 pCi/L in October 2000).
  - 618-10 Subregion: The most recent sampling took place in early July; results are not yet available, but should be very soon.
  - The Columbia River and McNary Pool at the 300 Area remain at high stage, although discharge from Priest Rapids Dam is starting on a downward trend. Aquifer tubes along the 300 Area shoreline will be done following the return of the river to low-stage conditions (late August/September).





- **Limited Field Investigation, Phase III Feasibility Study**
  - Some results for the first sampling of the four characterization boreholes that were drilled in the 300 Area during the period March through May are now available, following the first routine sampling in June.
    - Concentrations for the completed wells will be different than for the samples collected from discreet intervals during drilling.
    - Volatile organic compound concentrations in samples from the completed wells are consistent with historical data from nearby wells.
  - Re-analysis for trichloroethene of several samples collected during drilling from two of the four characterization boreholes has confirmed the initial results, which were anomalously high. Whether the high values represent environmental conditions remains an open question. Concentrations for cis-1,2-dichloroethene in samples collected during drilling are consistent with the conceptual site model for that contaminant.
  - Interpretation and discussion of initial results are occurring during periodic project meetings. An LFI report is scheduled for completion in December 2006.

- **300 Area Uranium Treatability Test**
  - Laboratory work on polyphosphate continues. A site characterization plan for the field treatability test site is being prepared.

100-BC-5 OPERABLE UNIT

- No new information since June unit managers meeting. (Most recent results are for samples collected during January/February 2006. Conditions remain essentially on trend and within expectations.)

100-FR-3 OPERABLE UNIT

- No new information since June unit managers meeting. (Most recent results are for samples collected in December 2005. Current results are consistent with historical trends and within expected values.)

RIVER CORRIDOR SHORELINE MONITORING

- Aquifer Tube Network
  - A draft Sampling and Analysis Instruction has been prepared and is current being reviewed by Fluor, prior to circulation to DOE and regulatory agencies for their review, comment, and concurrence (per the aquifer tube Sampling and Analysis Plan, DOE/RL-2000-59).
- Riverbank Springs
  - No activity; river stage has remained high during July.

Errata for:

DOE-RL, 2001, *100 Area Burial Grounds Remedial Action Sampling and Analysis Plan*, DOE/RL-2001-35, Rev. 0, U.S. Department of Energy, Richland Operations Office, Richland, Washington.

The current version of the *100 Area Burial Grounds Remedial Action Sampling and Analysis Plan* (DOE/RL-2001-35) presents a required detection limit for tritium (400 pCi/g) as the overall remedial action goal. On page II-3 in Table II-1 of DOE/RL-2001-35, the row for Tritium (H-3) data uses, and remediation goals will be rewritten to be, the following (to be consistent with the latest revision of *100 Area Remedial Action Sampling and Analysis Plan,* [DOE/RL-96-22]):

Tritium (H-3)	Overburden/layback [c]	15.8
	Site verification - shallow zone	510 [e]; 15.8 (groundwater protection)
	- deep zone	15.8 (groundwater protection)
	Waste designation	1 [g]
	ERDF waste acceptance criteria [d]	No limit

DUE: _____
FWD: _____
RMV: _____
EFL: _____
ZFL: _____

Machado, Kathryn L

From: Dittmer, Lorna M
Sent: Thursday, August 10, 2006 9:59 AM
To: Machado, Kathryn L; Ollero, Jennifer F
Cc: DeLozier, Mary P (Fran)
Subject: UMM action items

Attachments: Errata for 100 Area BG SAP.doc

Errata for 100 Area BG SAP.doc...

Hi Kathe and Jennifer,

Attached is the electronic version of the errata sheet for the Burial Ground SAP. I will have Fran provide hard copies of the sheet to the regulators and RL at the UMM. This satisfies action #5 for my UMM actions.

A meeting on 618-2 was held with EPA and RL on July 24, 2006. This satisfies action #11 for my UMM actions.

If you have any questions, feel free to call.

Fran, I have some documents to provide at the UMM, I will get them to you prior to leaving.

Thanks,

Lorna

For Kathe Machado to document in minutes what was provided

August 10, 2006 UMM

1) FR/REM Schedules (pick up from Jen/Kathe, see attached email for distribution)

2) Burial Ground SAP Errata Sheet – From last UMM Action Item #5 – included in folders for distribution to EPA, Ecology, RL, also provided to minutes for documentation/agreement

3) Action Item #11 – Meeting was held July 24

4) 100-NR-1 SAP, RDR for EPA review/concurrence (copies provided for RL

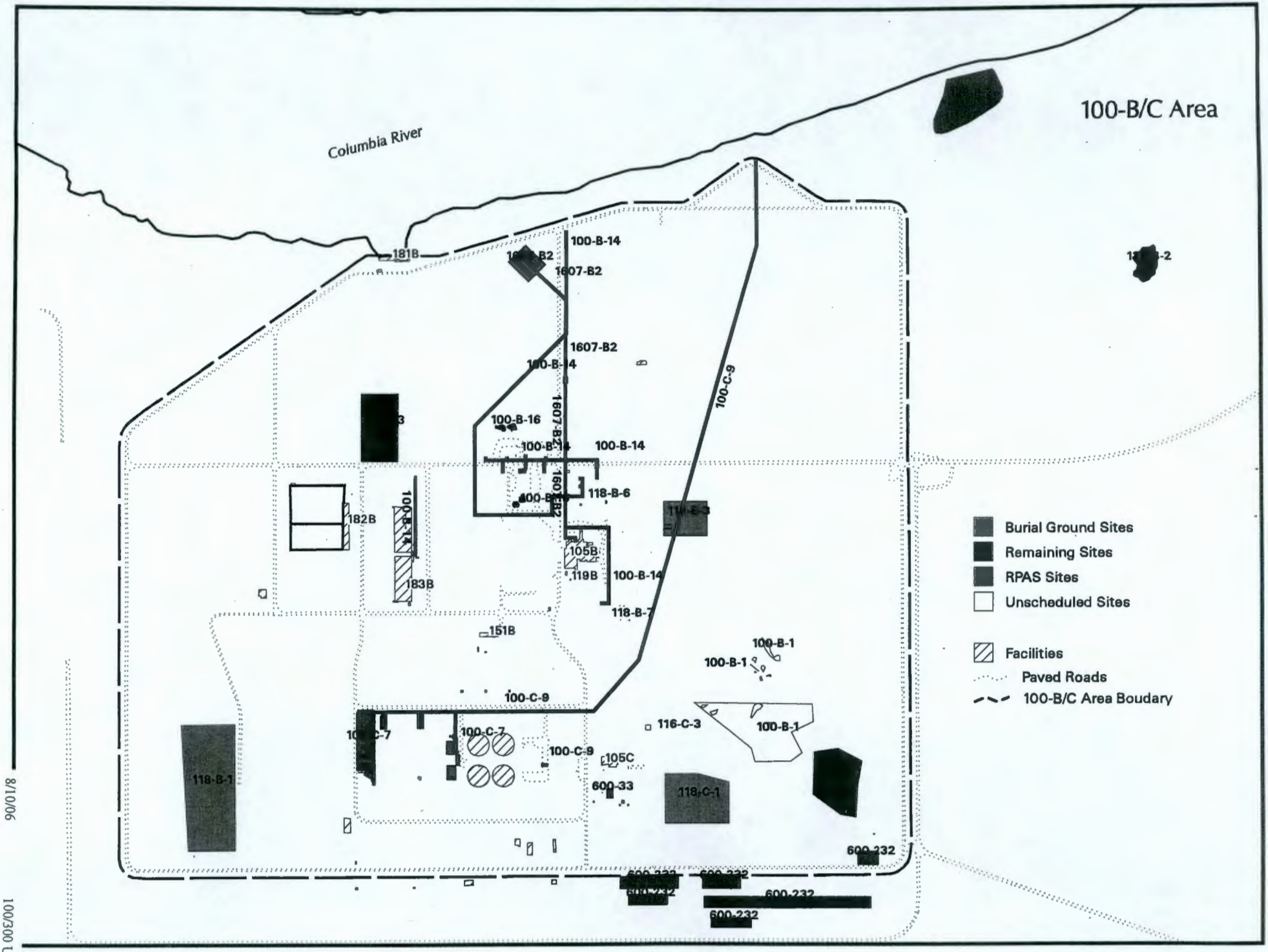
5) Pick up 100-D-9 Waste Site Reclassification Form from Price

6) Ecology
   - 100-D-50:2 Confirmatory Work Instruction
   - 100-H-28:2 Confirmatory Work Instruction
   - 100-H-28:3 Confirmatory Work Instruction

7) EPA
   - 100-F-31 Waste Site Reclassification Form signed by RL (EPA has a review copy of the RSVP)
   - 100-C-9:2 Verification Work Instruction for EPA review/concurrence

8) RL
   - 100-C-9:2 Verification Work Instruction for RL review/concurrence
   - 100-D-50:2 Confirmatory Work Instruction
   - 100-H-28:2 Confirmatory Work Instruction
   - 100-H-28:3 Confirmatory Work Instruction

FRan Dolozier



8/10/06

100/300 UMM

Burial Grounds:

118-B-1: Completed close-out samples for the trenches and the overburden/BCL piles.
Grouted the high dose containers.
Completed the mercury amalgamation campaign. Opened 118 containers, 82 were Hg, collected over 1,500 lbs of Hg.
Collected the Hg sample for the bench test to support Hg soil disposal.

118-C-1: Excavating is complete.
Created a sample design, similar to the approach used for 118-B-1.
Close-out samples for the trenches and overburden/BCL is currently being collected.

Remaining Sites:

128-B-3: Close-out data review is underway.

RPAS:

100-C-9:1S Box Culvert:
Completed a sample design. Have collected close-out samples.

100-B-14:1 Close-out samples results show we have issues associated with C-14.

100-C-9:2 Collected close-out samples for 1607-B10 and B11.

100-B-14:8 Close-out samples have been collected.

120-B-1 Currently evaluating the sample results for this site.

Miscellaneous:

EPA's modeling request for 100-C-7 and Cr impacts to the river will be available in Sept.

The updated TPA milestone schedule will be completed next week.

100-B-20 - waiting on Ecology for a letter concerning the underground tank.

100-BC FIELD REMEDIATION

RL/Regulator Deliverables for Review	Schedule Start	Schedule Finish
RL/Reg Sign/Issue Rev 0 Closeout Doc 100-B-20	**5/17/2006**	8/23/2006
DOE Review of Cultural Review for 100-BC Sites	**5/30/2006**	8/31/2006
RL/Reg review of Draft A Closeout Doc 100-B-24	8/15/2006	8/24/2006
RL/Reg Sign/Issue Rev 0 Closure Doc 100-B-24	9/13/2006	9/19/2006
120-B-1 RL/Reg review of Draft A Closeout Docume	9/25/2006	10/26/2006
RL/Regulator Design Briefing for 100 B/C Design	10/5/2006	10/9/2006
118-C-1 RL/Reg Rev of Draft A Closeout Doc.	10/11/2006	11/14/2006
118-B-1 RL/Reg Rev of Draft A Closeout Doc	10/11/2006	11/14/2006
128-B-3 RL/Reg review of Draft A Closeout	10/12/2006	11/15/2006
DOE/EPA/Review & Approval AMP for B/C Sites	10/18/2006	11/14/2006
RL/Regulator Review Draft A WI for (100-B-18)	11/8/2006	12/7/2006
RL/Regulator Review Draft A WI for (100-B-19)	11/8/2006	12/7/2006
RL/Regulator Review Draft A WI for (100-B-21)	11/8/2006	12/7/2006
RL/Regulator Review Draft A WI for (100-B-22)	11/8/2006	12/7/2006
120-B-1 RL/Reg Sign & Issue Rev 0 Closeout Doc	11/15/2006	11/21/2006
100-C-9 RL/Reg review of Draft A Closeout Doc.	11/16/2006	12/27/2006
RL/Regulator Review Draft A WI for 126-B-2	11/28/2006	12/27/2006
RL/Regulator Review Draft A WI for 1607-B1	11/28/2006	12/27/2006
128-B-3 RL/Reg Sig & Issue Rev 0 Closeout Doc	12/7/2006	12/13/2006
RL/Regulator Sign Rev. 0 WI for (100-B-18)	12/19/2006	12/28/2006
RL/Regulator Sign Rev. 0 WI for (100-B-19)	12/19/2006	12/28/2006
RL/Regulator Sign Rev. 0 WI for (100-B-21)	12/19/2006	12/28/2006
RL/Regulator Sign Rev. 0 WI for (100-B-22)	12/19/2006	12/28/2006
RL/Regulator Sign Rev. 0 WI for 126-B-2	1/9/2007	1/16/2007
RL/Regulator Sign Rev. 0 WI for 1607-B1	1/9/2007	1/16/2007
100-C-9 RL/Reg Sig. & Issue Rev 0 Closeout Doc.	1/17/2007	1/23/2007
RL/Regulator Review Draft A WI for (1607-B5)	3/19/2007	4/12/2007
RL/Regulator Sign Rev. 0 WI for (1607-B5)	4/24/2007	5/1/2007
RL/Reg Review Draft A Closure Doc for 126-B-2	5/31/2007	7/17/2007
RL/Reg Review Draft A Closure Doc for 1607-B1	5/31/2007	7/17/2007
116-C-3 RL/Regulator Review Draft A WI	7/18/2007	7/24/2007
RL/Regulator Review Draft A WI for (100-B-23)	7/24/2007	8/20/2007
116-C-3 RL/Regulator Approve/Signature Rev. 0 WI	8/1/2007	8/6/2007
RL/Reg Sign Rev. 0 Closure Doc for 126-B-2	8/8/2007	8/15/2007
RL/Reg Sign Rev. 0 Closure Doc for 1607-B1	8/8/2007	8/15/2007
RL/Regulator Sign Rev. 0 WI for (100-B-23)	8/29/2007	9/6/2007
116-C-3 RL/Reg Sig. & Issue Rev 0 Closeout Doc.	2/5/2008	2/11/2008
RL/Regulator Review Draft A WI for (100-B-27)	2/20/2008	3/18/2008
RL/Regulator Sign Rev. 0 WI for (100-B-17)	3/11/2008	3/18/2008
RL/Regulator Review Draft A WI for (100-C-7)	5/27/2009	6/23/2009
RL/Regulator Sign Rev. 0 WI for (100-C-7)	7/6/2009	7/13/2009
Design Review RL/Regulator Briefings (Through FY06)		
100-BC Remaining Sites Supplemental Design	August	

300 Area D4 Status
August 10, 2006
100/300 Area Combined Unit Manager Meeting

Characterization/ Hazardous Material Removal

- **333** – Hazardous material removal is ongoing.
- **305** –Hazardous waste removal is ongoing – demolition scheduled to begin the week of 8/21/06.
- **305B** – Hazardous waste removal is ongoing.
- **3706** – Characterization is ongoing.
- **306E/306W** – Hazardous waste removal is ongoing.

324/327

- Awaiting EPA comments RAWP #2
- Hazardous material removal is ongoing.

60-Day Project Look Ahead

- Issue Revision 1 of the 300 Area D&D Waste Sampling and Analysis Plan.
- Issue Revision 0 of EE/CA # 3 for the 300 Area.
- Public Comment Period for EE/CA #3 is scheduled to begin August 28, 2006. The Washington State Department of Ecology will hold a parallel review of the Hanford Air Operating Permit for 300 Area operating stacks that will be affected by the CERCLA action.
- DOE and EPA review of Draft Removal Action Work Plan #2 for the 300 Area – ***requested completion date, August 17, 2006.***
- Meet with EPA to discuss proposed revisions to RAWP #1 for the 300 area facilities.
- **305-B** – Preparing documentation to submit RCRA TSD closure certification.
- Awaiting EPA offsite approval to ship diesel fuel from 324.
- Begin demolition of 305, 305B, 306E, 306W, and 333.
- Parallel DOE and EPA review of Action Memorandum #3 to begin August 31, 2006.
- Parallel DOE and EPA Review of RAWP #1 (consolidated scope from Action Memo #1 and #3) to begin September 18, 2006
- Meet with EPA and Ecology to discuss off site release of waste in the 100 and 300 areas.