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River Corridor/FFTF
Tri-Party Agreement Milestone Review
Meeting Minutes
September 20, 2007

EDMC

Approval: [Signature] Date: 10/16/07
J. Hedges (H0-57)
Ecology IAMIT Representative

Approval: [Signature] Date: 10/23/07
M.S. McCormick (A5-11)
DOE IAMIT Representative

Approval: [Signature] Date: 10/16/07
N. Ceto (B1-46)
EPA IAMIT Representative, Chairperson

Minutes Prepared by: [Signature] Date: 10/25/07
T.W. Noland (H8-12)
Fluor Federal Services, Inc.

| | | | | | |
|------------------|---------|-------|-----------------------|---------|-------|
| Almquist, R.S. | RL | A3-04 | Hake, N.M.* | DOE-HQ | |
| Ayres, J.M.* | Ecology | H0-57 | Harris, S. | CTUIR | |
| Bartus, D. | EPA | H0-57 | Hedges, J.* | Ecology | H0-57 |
| Bignell, D.T. | WCH | H4-25 | Henry, D. | OOE | |
| Bilson, H.E. | FH | H8-20 | Horst, L. | OOE | |
| Bond, R. | Ecology | H0-57 | Jackson, D.E. | RL | A4-52 |
| Bohnee, G. | NPT | | Jim, R. | Yakama | |
| Boyd, A.* | EPA | B1-46 | Johnson, W.F.* | WCH | H4-22 |
| Buelow, L.C.* | EPA | B1-46 | Knox, K.E.* | KCR | |
| Cameron, C.E.* | EPA | B1-46 | LaRue, D.N.* | WCH | H0-20 |
| Ceto, N. | EPA | B1-46 | Lobos, R.A.* | EPA | B1-46 |
| Chapin, D.H.* | RL | A3-04 | McCormick, M.S. | RL | A5-11 |
| Chalk, S.E. | RL | A7-75 | Morrison, R.E.* | PAC | |
| Charboneau, S.L. | RL | A6-33 | Niles, K. | OOE | |
| Cimon, S.* | ODE | | Noland, T.W.* | FH | H8-12 |
| Clark, C.E. | RL | A5-15 | Pettiette, P.L. | WCH | H0-21 |
| Doebler, S.V. | FH | N2-51 | Piippo, R.E.* | FH | H8-12 |
| Donnelly, J.W.* | WCH | H4-22 | Price, J.B.* | Ecology | H0-57 |
| Engelmann, R.H.* | FH | H8-12 | Romine, L.D. | RL | A6-33 |
| Farabee, A.* | RL | A3-04 | Sands, J.P.* | RL | A3-04 |
| Faulk, D.A. | EPA | B1-46 | Skinnarland, E.R.* | Ecology | H0-57 |
| Fox, M.B.* | WCH | B4-24 | Weil, S.R.* | RL | A5-16 |
| Franco, J.R. | RL | A3-04 | Whalen, C.* | Ecology | H0-57 |
| Frey, J.A. | RL | A5-13 | Wolf, A. | CTUIR | |
| Gadbois, L.E.* | EPA | B1-46 | Administrative Record | | H6-08 |
| Guercia, R.F. | RL | A3-04 | *Attendees | | |

**River Corridor/FFTF
Tri-Party Agreement Milestone Review
Meeting Minutes
September 20, 2007**

River Corridor Project Portion of M-016/M-089/M-093/M-094

DOE-RL (RL) and Washington Closure Hanford LLC (WCH) distributed a handout summarizing milestone status, accomplishments and issues.

River Corridor Milestone Status

M-016-45, Complete Interim Remedial Action of 100-B/C Area

The TPA change request proposing extension of the completion date from 6/30/07 to 12/31/07 was approved on 6/21/07.

M-016-50, Initiate Remedial Actions for Remaining Waste Sites for 100-H Area

The TPA change request proposing extension of the completion date from 7/31/07 to 10/31/08 was approved on 6/27/07.

M-016-51, Complete the Interim Remedial Actions for 100-H Area

The TPA change request proposing extension of the completion date from 12/31/2010 to 12/31/2011 was approved on 6/27/07. This milestone is reflected as on schedule.

M-016-57, Initiate Soil Remediation at K-East Basin

This milestone missed the 4/30/07 date. It currently is in dispute resolution at the IAMIT level, and was extended to 9/30/07. EPA reported that another extension was granted to 10/31/07.

M-016-56, Complete Interim Remedial Actions for 100-U-2 and 100-U-6

This milestone is at risk. RL plans to submit a change request to modify the due date.

M-016-55, Complete the Interim Response Actions for 100-N Area; M-016-00A Complete all Interim Response Actions for 100 Areas

These two milestones are currently reflected as at risk, per Ecology's request at the June 21, 2007 quarterly meeting.

M-016-61, Complete Interim Remedial Actions for Remaining High Environmental Priority 300-FF-2 Sites

This milestone status has been changed to at risk since the last quarterly review due to possible delays in starting remediation of 618-7.

River Corridor Significant Actions Planned for Next 3 Months

WCH reported it received RL direction to proceed with the 300 Area mitigation Utility Project. Ecology inquired about the location of a new building in the 300 Area for mock treatment studies for the Vitrification Plant. WCH committed to find out more information regarding the location of the building.

WCH reported that it is proceeding with the 118-B-1 ESD for the tritium issue that remains in a very small portion of that burial ground. The public comment period is occurring and will end next week (9/28/07).

River Corridor Performance Summary - Schedule and Cost Variance

Ecology inquired about the estimated at completion (EAC) associated with Milestones M-16-51, M-16-53, M-16-55 and M-16-00A. Following a brief discussion, it was noted that M-16-51 is shown on schedule since its completion date has been extended to 2011, which WCH anticipates can be met. The remaining three milestones, 53, 55 and 00A, are reflected as at risk. Ecology indicated satisfaction with WCH's explanation regarding the status of these milestones.

River Corridor Issues

Approval of Integrated Safety Management System (ISMS)

EPA inquired about any impact on milestone completion regarding final review and approval of the ISMS. RL responded that the 618-7 portion of M-16-61 would probably be impacted the most. WCH stated that even though some work is delayed by the ISMS, work is planned to start in the next several weeks in the lower risk areas of the 618-7 burial grounds.

Integration Issues

100-N Area Treatment, Storage and Disposal (TSD) Units Post-Closure Groundwater Monitoring Plan

Ecology stated that it would like to schedule a meeting with WCH permitting and RL groundwater to discuss resolution for moving forward with the groundwater monitoring plan. RL took an action to set up the meeting.

Environmental Restoration Disposal Facility (ERDF) Use of Clean Fill

Ecology inquired about status of using clean fill in the ERDF. WCH stated that they track the use and are trying to minimize it. RL responded that some Central Plateau work may be starting in January that would require disposal of contaminated soil in ERDF that would reduce the use of clean fill.

Fast Flux Test Facility (FFTF) M-81 and M-92 Deactivation Milestones

RL distributed a handout on the status of the FFTF milestones.

M-81-14, Complete FFTF Sodium Drain

RL sent letter to regulators on September 13, 2007 notifying completion of milestone on September 19, 2006.

Significant Accomplishments

Fuel Offload

The sodium-bonded fuel transportation plan for shipment to Idaho National Laboratory has been issued.

Sodium Drain

RL reported that sodium residual drain of the main HTS valves will be performed in the 2014 time frame when D&D starts up. The argon cover gas on the systems will also probably remain until the 2014 time frame.

Auxiliary Systems Shutdown

It was noted in the handout that DWSC should be corrected to DSWC (disposable solid waste cask).

400 Area Waste Management Unit (WMU) RCRA/State Dangerous Waste Permitted Storage of Sodium-Wetted Waste

Ecology reported that only one comment on the draft 400 Area WMU permit has been received during the public comment period. The comment does not require a change to the draft permit.

Significant Planned Actions

Fuel Offload

RL reported that the current schedule is for all of the sodium-bonded fuel to be shipped by the end of May 2008.

Project Issues/Risks

Ecology inquired about the time frame for a DOE Headquarters decision on exemptions and/or waivers to life safety codes and fire protection in order to back out of the plant. RL responded that a decision from Headquarters is needed by the February/March 2008 time frame, but that efficiencies are currently being impacted. RL noted that the PCB transformers provide power for fire protection, and once the transformers are removed, mitigating measures will need to be in place while backing out of the plant.



September 20, 2007

River Corridor Milestone Review

Place: EPA Conference Room, 309 Bradley Boulevard, Suite 115, Richland, WA
Time: 10:00 am - 11:00 am
Chairperson: Craig Cameron

Agenda

10:00 am M-16-00 Complete Remedial Actions
M-93-00 Disposition of Surplus Reactors
M-94-00 300 Area Surplus Facilities
M-89-00 324 Bldg. Closure of MW Units
M-92-00 Facilities for Sodium and Special
Case Waste

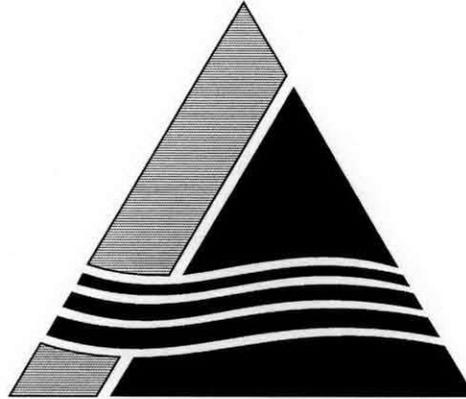
10:45 am M-81-00 Fast Flux Test Facility Transition

11:00 am Adjourn River Corridor Milestone Review

River Corridor Closure Project

TPA Quarterly Review

For period: June 2007 – August 2007



Tri-Party Agreement

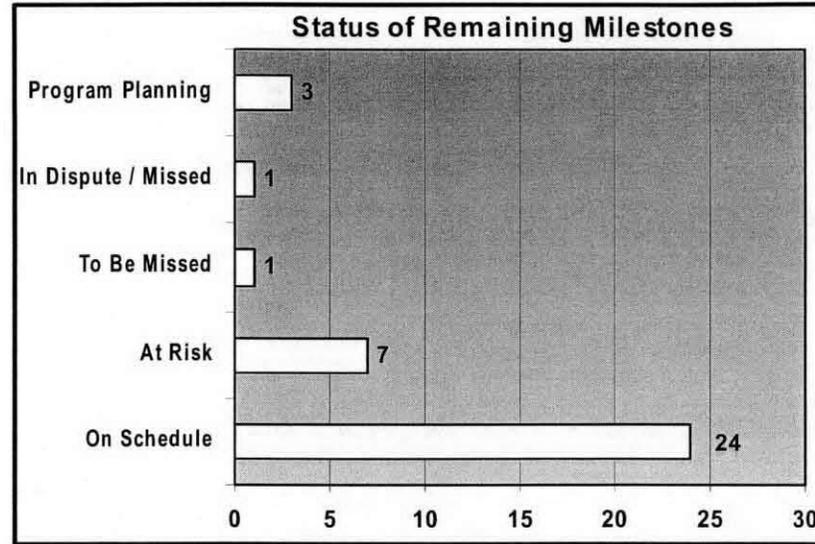
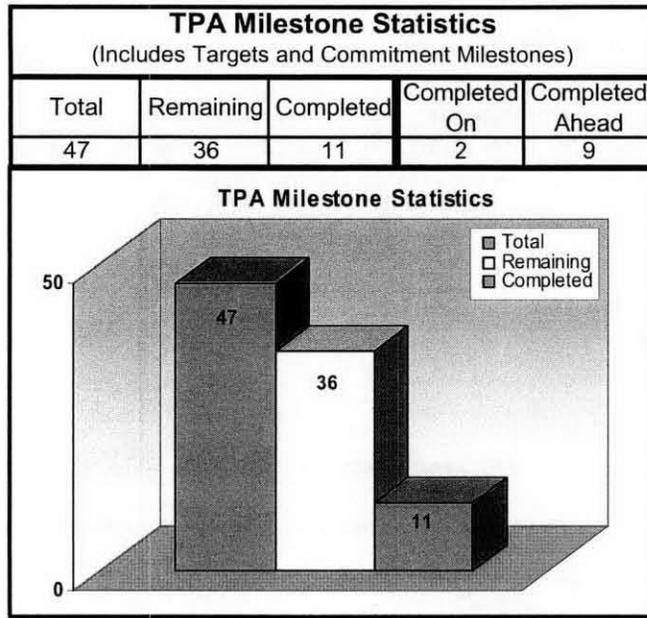
River Corridor Milestones:

M-16
M-89

M-93
M-94

U.S. Department of Energy
U.S. Environmental Protection Agency
Washington State Department of Ecology

September 20, 2007



Quarterly Summary (June-August 2007):

- Completed one TPA milestone on 6/25/07 - **M-16-72**, Submit Draft 100 Area and 300 Area Component Baseline Risk Assessment Report (due 6/30/07).
- TPA change requests - *Approved*:
 - **M-16-07-01** - 100-B/C Remediation - M-16-45. Approved on 6/21/07. Extended date from 6/30/07 to 12/31/07.
 - **M-16-07-03** - 100-H Remediation - M-16-50/M-16-51. Approved on 6/27/07. Extended M-16-50 date from 7/31/07 to 10/31/08 and M-16-51 date from 12/31/2010 to 12/31/2011. Two target dates were also established: M-16-51-T01 due 12/31/09 (complete excavation of 1 of 5 burial grounds [118-H-1 through 118-H-5] and M-16-51-T02 due 12/31/10 (complete excavation of a total of 3 of 5 100-H burial grounds).

Washington Closure Hanford
TPA Milestone Status Report (FY07-FY18)

Status as of: August 31, 2007

| TPA MS No. | Compliance Date | Milestone Title | Status | Comments | |
|--|-----------------|-----------------|---|-----------------------------|---|
| Remedial Action / Risk Assessment | | | | | |
| 1 | M-16-60 | 04/30/2007 | Complete Interim Remedial Actions for at Least 3 of the Following High Environmental Priority 300-FF-2 Waste Sites (316-4, 618-2, 618-3, 618-5, and 618-7) and Complete Confirmatory Sampling of 300-FF-2 Candidate Sites 300-7 and 300-9 | COMPLETE | This milestone was completed on 12/28/06, four months ahead of schedule. |
| 2 | M-16-57 | 04/30/2007 | Initiate Soil Remediation at K-East Basin | Dispute Resolution / Missed | TPA M-34-32 has been identified as not achievable by the responsible Hanford Site contractor, which makes M-16-57 milestone also unachievable, as it is dependent upon M-34-32 completion. RL transmitted CR M-16-06-04 to EPA in December 2006 proposing date be changed to 8/30/2009. Currently in dispute at the IAMIT level and has been extended to 9/30/07; EPA has requested an integrated project schedule be provided. |
| 3 | M-16-72 | 06/30/2007 | Submit Draft 100 Area and 300 Area Component Baseline Risk Assessment Report | COMPLETE | This milestone was completed on 6/25/07. |
| 4 | M-16-45 | 12/31/2007 | Complete Interim Remedial Action for 100-B/C Area | On Schedule | |
| 5 | M-16-67 | 06/30/2008 | Submit a Characterization Sampling and Analysis Plan (SAP) for 618-10 and 618-11 Burial Grounds to EPA for Approval as a Primary Document | On Schedule | SAP shall identify sampling schedule, and a date for submission of a characterization summary report to EPA for approval as a primary document. |
| 6 | M-16-54 | 07/31/2008 | Initiate Response Actions for Remaining Waste Sites for 100-N Area | COMPLETE | This milestone was completed on 5/31/07, 14 months ahead of schedule. |
| 7 | M-16-73 | 09/30/2008 | Initiate Substantial and Continuous Soil Remediation at 618-1 Burial Ground | On Schedule | |
| 8 | M-16-50 | 10/31/2008 | Initiate Remedial Actions for Remaining Waste Sites for 100-H Area | On Schedule | |
| 9 | M-16-49 | 12/31/2008 | Complete Interim Remedial Actions for 100-F Area | On Schedule | |
| 10 | M-16-56 | 12/31/2008 | Complete Interim Remedial Actions for 100-IU-2 and 100-IU-6 | At Risk | Creation of M-16-94 incorporated and prioritized completion of new 100-B/C Area waste sites by 12/31/09 impacting the ability to complete interim remedial actions for the 100-IU-2 and 100-IU-6 waste sites by the compliance date of 12/31/08. However, at regulator request, remediation of the 600-149 high priority waste site and plutonium criticality lab continue on schedule to complete by 12/31/08. Once funding levels are known, potential impacts can be assessed. RL plans to submit a CR to modify the due date. |
| 11 | M-16-61 | 12/31/2008 | Complete Interim Remedial Actions for Remaining High Environmental Priority 300-FF-2 Waste Sites (618-2, 618-3, 618-5, and 618-7) | At Risk | Excavation at 316-4 was completed to 10' below the buried tanks (March 2005); any deeper excavation should be coordinated with 618-10 excavation. TPA CR M-16-05-06 (7/10/06) removed 316-4 waste site from this milestone. Sites 618-2, 618-3, 618-5 were completed under M-16-60 (12/28/06). Milestone may be impacted with start of 618-7 Burial Ground remediation scheduled to begin in fall of 2007. |
| 12 | M-16-58 | 04/30/2009 | Initiate Soil Remediation at K-West Basin | To Be Missed | See M-16-57 status; M-16-58 dependent on M-34 dispute resolution. |
| 13 | M-16-52 | 07/31/2009 | Initiate Response Actions for Remaining Waste Sites for 100-K Area Including Closure of the 1706-KE Waste Treatment System in Accordance with Section 5.5 of the Agreement Action Plan | At Risk | Potential impact due to K-Basin schedule/milestones and dispute resolution of M-34-32. Scope addressing "closure of 1706-KE Waste Treatment System" was added to milestone description under TPA CR M-20-04-01 on 4/13/04. This is a delayed-release facility (to the RCC) that is currently operated by Fluor Hanford. |
| 14 | M-16-51-T01 | 12/31/2009 | Complete Excavation of 1 of 5 100-H Burial Grounds (118-H-1, 118-H-2, 118-H-3, 118-H-4, or 118-H-5) | On Schedule | |

Washington Closure Hanford
TPA Milestone Status Report (FY07-FY18)

Status as of: August 31, 2007

| TPA MS No. | Compliance Date | Milestone Title | Status | Comments | |
|------------|-----------------|-----------------|--|------------------|---|
| 15 | M-16-94 | 12/31/2009 | Complete Interim Remedial Actions at 100-B/C Area (not covered by M-16-45) | On Schedule | |
| 16 | M-16-64 | 09/30/2010 | Complete Interim Remedial Actions for the Following 300-FF-2 Waste Sites (300-259, 303-M SA, 303-M UOF, UPR-300-46, UPR-300-17, and 618-1) (see Table 2 in TPA CR M-16-01-06) | On Schedule | |
| 17 | M-16-51-T02 | 12/31/2010 | Complete Excavation of a Total of 3 of 5 100-H Burial Grounds (118-H-1, 118-H-2, 118-H-3, 118-H-4, or 118-H-5) | On Schedule | |
| 18 | M-16-47 | 12/31/2011 | Complete Interim Remedial Actions for 100-D Area | On Schedule | |
| 19 | M-16-51 | 12/31/2011 | Complete Interim Remedial Actions for 100-H Area | On Schedule | |
| 20 | M-16-74 | 09/30/2012 | Complete Interim Remediation (to include excavation, loadout, closeout sampling, backfill, and revegetation) for all 300 Area "Inside the Fence" Waste Sites North of Apple Street, Except that for the 300-RLWS, 300-15, 300-4, 300-268, and 300-123 Waste Sites, Remediation Need Only Be Completed Through Excavation and Loadout | On Schedule | |
| 21 | M-16-53 | 12/31/2012 | Complete Interim Response Actions for 100-K Area | At Risk | Potential impact due to K-Basin schedule/milestones. NOTE: Under TPA CR M-34-04-01 -- 100-K Area remedial action is not complete until K Basin sludge shipments for disposal off site have taken place. Sludge removal portion is not RCC scope. |
| 22 | M-16-55 | 12/31/2012 | Complete Interim Response Actions for 100-N Area | At Risk | Potential impact based on projected current funding and projected FR quantity growth levels. |
| 23 | M-16-62 | 12/31/2012 | Complete Interim Remedial Actions for the Following 300-FF-2 Waste Sites: 300-8, 300-18, 300-VTS, 316-4, 600-47, 600-259, 618-2, 618-3, 618-5, 618-7, 618-8, and 618-13 (see Table 1 in TPA CR M-16-01-06) | On Schedule | |
| 24 | M-16-00A | 12/31/2012 | Complete All Interim Response Actions for the 100 Areas | At Risk | Potential impact based on projected current funding and projected FR quantity growth levels. |
| 25 | M-16-75 | 09/30/2013 | Initiate Substantial and Continuous Remediation on the 309 Facility Dedicated Radioactive Liquid Waste Sewer (300 RLWS) and the 300 Area Process Sewer (300-15) Systems | On Schedule | |
| 26 | M-16-69 | 09/30/2015 | Complete All Interim 300 Area Remedial Actions to Include Confirmatory Sampling of All Candidate Sites Listed in 300-FF-2 ROD (except for 618-10 and 618-11 Burial Grounds) | On Schedule | |
| 27 | M-16-00B | 09/30/2018 | Complete All Interim 300 Area Remedial Actions Including 618-10 and 618-11 Burial Grounds | On Schedule | |
| 28 | C-16-06C | TBD | Submit a Schedule and Establish Commitments to Complete the Remedial Investigation/Feasibility Studies and Proposed Plans in Support of the Final ROD for the 100 Area | Program Planning | |
| 29 | C-16-06D | TBD | Submit a Schedule and Establish Commitments to Complete the Remedial Investigation/Feasibility Studies and Proposed Plans in Support of the Final ROD for the 300 Area | Program Planning | |

Washington Closure Hanford
TPA Milestone Status Report (FY07-FY18)

Status as of: August 31, 2007

| TPA MS No. | Compliance Date | Milestone Title | Status | Comments | |
|--|-----------------|-----------------|---|------------------|---|
| M-89 Milestone - 324 Bldg Non-Permitted MW Units Closure | | | | | |
| 1 | M-89-00 | 09/30/2010 | Complete Closure of Non-Permitted Mixed Waste Units in 324 Building REC B-Cell, REC D-Cell, and High Level Vault | On Schedule | |
| M-93 Milestones - Reactors Final Disposition | | | | | |
| 1 | M-93-22 | 09/30/2011 | Complete 105-KE and 105-KW Reactor Interim Safe Storage | At Risk | Milestone may be impacted by delay of 100-K Basin schedules under M-34 milestones, and the M-34-32 dispute. |
| 2 | M-93-20 | 09/30/2012 | Complete 105-N Reactor Interim Safe Storage | On Schedule | |
| 3 | M-93-00 | TBD | Complete Final Disposition of All 100 Area Surplus Production Reactor Buildings. 100 Area surplus production reactor buildings consist of the following: 105-D, 105-DR, and 105-H, 105/109-N (Ecology lead), and 105-B, 105-C, 105-F, 105-KE, and 105-KW (EPA lead). | Program Planning | |
| M-94 Milestones - 300 Area Surplus Facilities Disposition | | | | | |
| 1 | M-94-06 | 12/30/2007 | Complete the Selected Removal and/or Remedial Actions that are Selected for 3 of the Following 19 High Priority Facilities: 305B, 306E, 306W, 307 Retention Basins, 308, 309, 321, 323, 324, 324B, 325, 326, 327, 329, 333, 340, 3706, 307 Trench, and 3720; to include the 333 Facility | On Schedule | Bldg 305B completed in Sep 2006. 3706 above-grade (AG) demolition completed 6/3/07; AG loadout completed 7/23/07. Bldg 333 AG demolition was completed 9/28/06; AG loadout completed 4/17/07, with exception of Loewy press and 333 foundation. Below-ground demolition will be performed by Field Remediation. |
| 2 | M-94-07 | 12/30/2009 | Complete the Selected Removal and/or Remedial Actions that are Selected for 6 of the Following 19 High Priority Facilities: 305B, 306E, 306W, 307 Retention Basins, 308, 309, 321, 323, 324, 324B, 325, 326, 327, 329, 333, 340, 3706, 307 Trench, and 3720; to include the 306E, 306W, 3720, and 305B Facilities | On Schedule | See M-94-06 status. In addition, Bldg 306E above-grade (AG) demolition completed 12/22/06; AG loadout completed 5/3/07. Bldg 3720 AG demolition completed 7/17/07; below-grade demolition/loadout scheduled for February 2009. Bldg 306W AG demolition started 8/2/07. Below-grade demolition will be performed by Field Remediation. |
| 3 | M-94-03 | 09/30/2010 | Complete Disposition of Following Surplus Facilities: 303M, 332, 333, 334, 334A, 3221, 3222, 3223, 3224, 3225, 324, 324B, 327 (see TPA CH M-94-01-01, Table 1) | On Schedule | |
| 4 | M-94-08 | 12/31/2011 | Complete the Selected Removal and/or Remedial Actions that are Selected for 12 of the Following 19 High Priority Facilities: 305B, 306E, 306W, 307 Retention Basins, 308, 309, 321, 323, 324, 324B, 325, 326, 327, 329, 333, 340, 3706, 307 Trench, and 3720 | On Schedule | |
| 5 | M-94-09 | 09/30/2013 | Complete the Selected Removal and/or Remedial Actions that are Selected for 15 of the Following 19 High Priority Facilities: 305B, 306E, 306W, 307 Retention Basins, 308, 309, 321, 323, 324, 324B, 325, 326, 327, 329, 333, 340, 3706, 307 Trench, and 3720; to include the 323 Facility and the 307 Trench | On Schedule | |
| 6 | M-94-00 | 09/30/2015 | Complete Disposition of 300 Area Surplus Facilities to be Defined as the 220 Facilities Listed in the Hanford River Corridor Closure Contract Solicitation #DE-RP06-04RL14655 | On Schedule | |

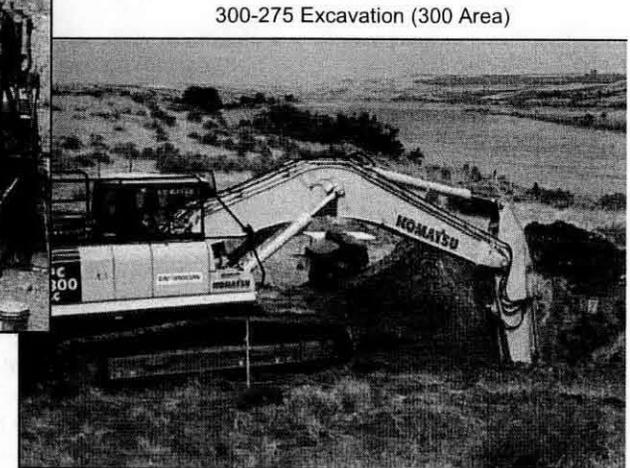
Significant Accomplishments - For Last 3 Months:

M-16 - Remedial Action / Risk Assessment:

- Completed 100-C-7 characterization boreholes/groundwater wells.
- Removed risers; sampled and removed tar from north tank of 116-C-3.
- Completed annual cask recertification to support SNF shipments.
- Completed SNF Safety Analysis Report for Packaging (SARP) for RL review.
- Initiated remediation of 118-D-3 Burial Ground.
- Resumed excavation and sorting activities in 100 K Area trenches.
- Initiated backfill at 118-F-1 Reactor Hardware Burial Ground.
- Received RL approval to proceed with development of detailed plan for 618-10/11 Burial Ground characterization.
- Completed excavation of 300-274 and 300-275; awaiting sampling confirmation.
- Awarded 100-N Phase 1 Bioremediation Design subcontract.
- Facilitated 8/21/07 workshop with RL, EPA, and Ecology that resolved long-standing regulatory issues between the Tri-Parties and documented: agreements on eco-risk screening for cleanup verification, and approach for verification sampling for tritium at remediated sites.
- Extended regulator and public review period for the *Risk Assessment Report for 100 Area and 300 Area Component of the RCBRA* to September 7.
- Concluded survey portion of the pilot post-remediation surface radiological survey task in 100-B/C Area, and initiated direct measures and soil sample collection to support the pilot.
- Continued development of the technical agreement between WCH and Fluor Hanford on the integration process and data needs for source and groundwater operable units.
- Supported systematic planning process for 100/300 Area groundwater operable units.



100-C-7 Drill Site



300-275 Excavation (300 Area)

M-89 - 324 Bldg Non-Permitted Mixed Waste Units Closure:

- Awarded 324/327 robotic equipment contract for source term removal.

M-93 - Reactors Final Disposition:

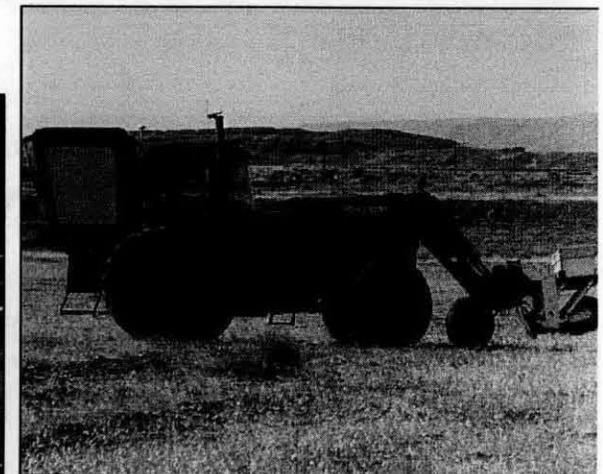
- Continued 109N deactivation and hazardous material removal.
- Continued reviewing and incorporating comments on draft 105N/109N demolition/safe storage enclosure RFP.

M-94 - 300 Area Surplus Facilities Disposition:

- Completed deactivation and decommissioning of 10 buildings.
- Completed above-grade demolition of 8 buildings; completed loadout of 9 buildings.
- Continued demolition of 306W.
- Received RL direction to proceed with 300 Area Mitigation/Utility Project.
- Awarded 327 hot cell disposition contract.



109N Asbestos Abatement Scaffold Erection



Two-Man Crew Surveying for Surface Radiation and Monitoring Incoming Data Using the Mobile Surface Contamination Monitor (Pilot Surface Soil Surveys)

Significant Accomplishments - For Last 3 Months (cont'd):

OTHER:

- Received RL approval of ERDF test plan for placement optimization and settlement monitoring.
- Completed the remaining corrective action (total of 45 actions were identified) for ERDF subcontractor operational issues.
- Completed 90% Design of Cells 7-10.
- Issued RFP for ERDF Cells 7/8 construction.
- Through August 2007, more than 1,033,000 tons of contaminated material have been disposed in ERDF since WCH assumed River Corridor cleanup responsibilities (8/27/05). Nearly 7.1 million tons of waste have been disposed since ERDF operations began in July 1996.



Significant Actions Planned - For Next 3 Months:

M-16 - Remedial Action / Risk Assessment:

- Ship SNF from 100-B/C to K-Basins.
- Complete disposition of 100-B/C anomalies.
- Complete the full scale mockup of 116-C-3 (9/26/07); complete remediation of the two tanks by 12/31/07.
- Initiate remediation activities associated with 100-D-32 Burial Ground.
- Characterize and disposition 100-F high pressure cylinder anomalies.
- Award and initiate 600-149 Small Arms Range characterization and design subcontract scope.
- Present 618-1 Burial Ground Design with RL/regulator briefing.
- Initiate 100-F Area orphan sites confirmatory sampling campaign.
- Hold meeting to discuss deep vadose zone/groundwater integration. This meeting will help determine path for closing out 116-N-1 waste site.
- Obtain vadose zone data from four Fluor Hanford groundwater monitoring wells to be installed at 100-D Area as part of the hexavalent chromium investigation to support interim closeout of 100-D Area waste sites.
- Conclude Tri-Party and public review of the *Risk Assessment Report for the 100 Area and 300 Area Component of the RCBRA* (DOE/RL-2007-21, Draft A) on September 7. Disposition comments, revise, and issue Draft B late in 2007.
- Issue the *100-D Area Orphan Sites Evaluation Report*.

M-89 - 324 Bldg Non-Permitted Mixed Waste Units Closure:

- Design 324 robotic equipment.

M-93 - Reactors Final Disposition:

- Issue 105N/109N demolition/SSE RFP.
- Receive 105N/109N demolition/SSE bid proposals.
- Complete partial B Reactor roof replacement by fall 2007 (dependent upon weather conditions).

M-94 - 300 Area Surplus Facilities Disposition:

- Complete above-grade loadout of 306W and 3720.
- Continue deactivation and decommissioning of 308, 308A, 337, 337B, 337-BA, 3718M, and 321 complex.
- Complete above-grade demolition of 328, 328A, 3503A, 384, 328-BA.
- Apply fixative to 327 duct work.
- Continue de-energizing and stripping 327 Wet Basin.
- Continue 327 nitrogen system removal.
- Award subcontract for 312 utility reroute project; initiate work.

OTHER:

- Begin treatment of mercury-contaminated soil.
- Complete test plan for treating chromium-contaminated soil.
- Perform compaction testing using new compactors.
- Perform landfill integrity testing.
- Award Cells 7/8 construction subcontract.

PERFORMANCE SUMMARY
Contract Inception (8/27/05) through August 2007
(\$K)

| | IPB | | CUMULATIVE | | | SCHEDULE VAR | | COST VAR | |
|--------------------------|------------------|------------------|----------------|----------------|----------------|---------------|-------------|---------------|-------------|
| | BCWS | EAC | BCWS | BCWP | ACWP | \$ | SPI | \$ | CPI |
| D4 | 630,967 | 630,967 | 112,472 | 145,593 | 87,046 | 33,121 | 1.29 | 58,547 | 1.67 |
| Reactor ISS | 115,988 | 115,988 | 14,903 | 9,287 | 6,708 | -5,616 | 0.62 | 2,579 | 1.38 |
| Field Remediation | 418,838 | 418,838 | 100,050 | 99,996 | 88,950 | -54 | 1.00 | 11,046 | 1.12 |
| Waste Operations | 251,918 | 251,918 | 36,123 | 39,608 | 49,241 | 3,485 | 1.10 | -9,633 | 0.80 |
| ESFC | 56,223 | 56,223 | 10,076 | 14,570 | 11,132 | 4,494 | 1.45 | 3,438 | 1.31 |
| Mission/General Support | 323,178 | 323,178 | 73,587 | 73,587 | 82,264 | 0 | 1.00 | -8,677 | 0.89 |
| Transition | 3,979 | 3,979 | 3,979 | 3,979 | 3,751 | 0 | 1.00 | 228 | 1.06 |
| Undistributed Budget | 7,155 | 7,155 | | | | | | | |
| Contingency | 243,104 | 243,104 | | | | | | | |
| TARGET COST TOTAL | 2,051,351 | 2,051,351 | 351,190 | 386,620 | 329,092 | 35,430 | 1.10 | 57,528 | 1.17 |

Schedule Variance (PMB): \$35,430K

- Acceleration of 300 Area and 100-N Area building demolitions.
- 100-F, 100-D, and 100-B/C waste site accelerations/completion.
- 100 Area remediation delays due to discovery of SNF, chromium, anomalous waste, tritium concerns, and nuclear safety issues.
- Late approval/award of 105N/109N D&D subcontract.
- Stop-work at KE/KW Reactor ISS.

Cost Variance (PMB): \$57,528K

- 100 Area building demolition under budget.
- Significant underruns experienced in 300 Area building characterization, deactivation, and demolition activities.
- Significant underruns in 300 Area utility charges and S&M activities.
- Favorable cost experienced to date in burial ground remediation and confirmatory sampling. Partially offset by increased costs associated with 118-K-1 readiness, 100-D-56 chromium, and significant project support costs at all active dig sites.
- ERDF cost overruns in transport, treatment, and disposal of waste while operational issues are being resolved; overrun in purchase and leasing of additional equipment, and transportation and disposal subcontractor mobilization.

RCC Issues

- **100-K Area:** There are potential impacts to 100-K Area remediation (M-16-58 due 4/30/09, M-16-52 due 7/31/09) and reactor interim safe storage (M-93-22 due 9/30/11) milestones associated with the pending M-34 milestones dispute (M-16-57 due 4/30/07 is in dispute resolution).
- **Integration with Pacific Northwest National Laboratory (PNNL):** WCH and other site contractors are developing scenarios affecting long-term retention of 300 Area buildings needed by the PNNL mission. This could affect multiple TPA milestones and will require deferral of some waste site cleanup over 20 years.
Status: WCH submitted a mitigation plan for RL's planned long-term retention of four PNNL facility complexes and several site infrastructure facilities. RL directed WCH to implement the mitigation plan, and WCH has initiated definitive design of utility systems necessary to support the retention of the facilities while minimizing the impact to completion of waste site remediation activities. Retention of the buildings and associated utility systems will require changes to several TPA milestones for 300 Area facility and waste site remediation. The regulators were provided a briefing in the August 2007 IAMIT, and it was determined that no changes need to occur at this time.

Integration Issues (discusses Central Plateau milestones and workscope that potentially affect River Corridor milestones)

- **100-N Area Treatment, Storage, and Disposal (TSD) Units Post-Closure Groundwater Monitoring Plan.** Ecology requested, and DOE-RL agreed in principle, to prepare a comprehensive groundwater monitoring plan for the 100-N Area. It would integrate monitoring needs for characterization and remediation, and for CERCLA, RCRA, and AEA requirements. Physical closure activities for the 1324N/1324NA TSDs have been completed, but Ecology has not moved the units into the post-closure portion of the Site-wide RCRA permit. Ecology is waiting on submittal of the comprehensive monitoring plan. Ecology has also drafted unit-specific permit conditions for the 1301N and 1325N TSD units because of this issue. Awaiting DOE-RL to direct Fluor Hanford to prepare the comprehensive groundwater monitoring plan for 100-N.

**U.S. Department of Energy
Richland Operations Office
Assistant Manager for River Corridor
Fast Flux Test Facility Project
Tri-Party Agreement
M-81 and M-92 Deactivation Milestones**

**September 20, 2007
River Corridor/FFTF Project
Tri-Party Agreement Milestones Review Meeting**

**DOE-RL FFTF Project – Al Farabee
Washington State Department of Ecology – Jane Hedges
U.S. Environmental Protection Agency – Nicholas Ceto**

FFTF Project Tri-Party Agreement
Remaining M-81 and M-92 Deactivation Milestones
 (Listed Chronologically by Due Date)

| Milestone | Milestone Title | Due Date |
|------------------|---|---------------------------|
| M-81-00A-T04 | Complete Transfer of Special Fuel to DOE's Idaho National Engineering Laboratory for Consolidated Storage (Status: On Schedule) | March 31, 2009 |
| M-92-09 | Establish Milestones and/or Target Dates if Needed for Acquisition of New Facilities, Modifications of Existing Facilities, and/or Modification of Planned Facilities Necessary for Storage, Treatment/Processing, and Disposal of Hanford Site Sodium (Status: On Schedule) | July 30, 2009 |
| M-81-14 | Complete FFTF Sodium Drain (Status: Milestone was completed on September 19, 2006 and notification letter was sent to regulators on September 13, 2007. The milestone was completed consistent with its completion agreement discussed and agreed to with Ecology during the October 31, 2006 TPA PMM. However, since that time, DOE and the regulators understood that DOE would not declare the milestone complete until the end of this fiscal year to coincide with planned project completion of the sodium residuals drain of the Main Heat Transport System valves. Since this work was delayed until the sodium residuals work resumes in FY 2016, DOE decided to declare the milestone complete and issue the letter. | September 30, 2009 |
| M-81-15 | Submit FFTF Surveillance and Maintenance Plan (Status: On Schedule) | June 30, 2010 |
| M-81-00A | Complete FFTF Facility Transition and Initiate the Surveillance and Maintenance Phase (Status: On Schedule) | February 28, 2011 |
| M-81-00A-T05 | Complete Auxiliary Plant Systems Shutdown (Status: On Schedule) | February 28, 2011 |

DOE-RL FFTF Program Manager Assessment of Contractor Performance

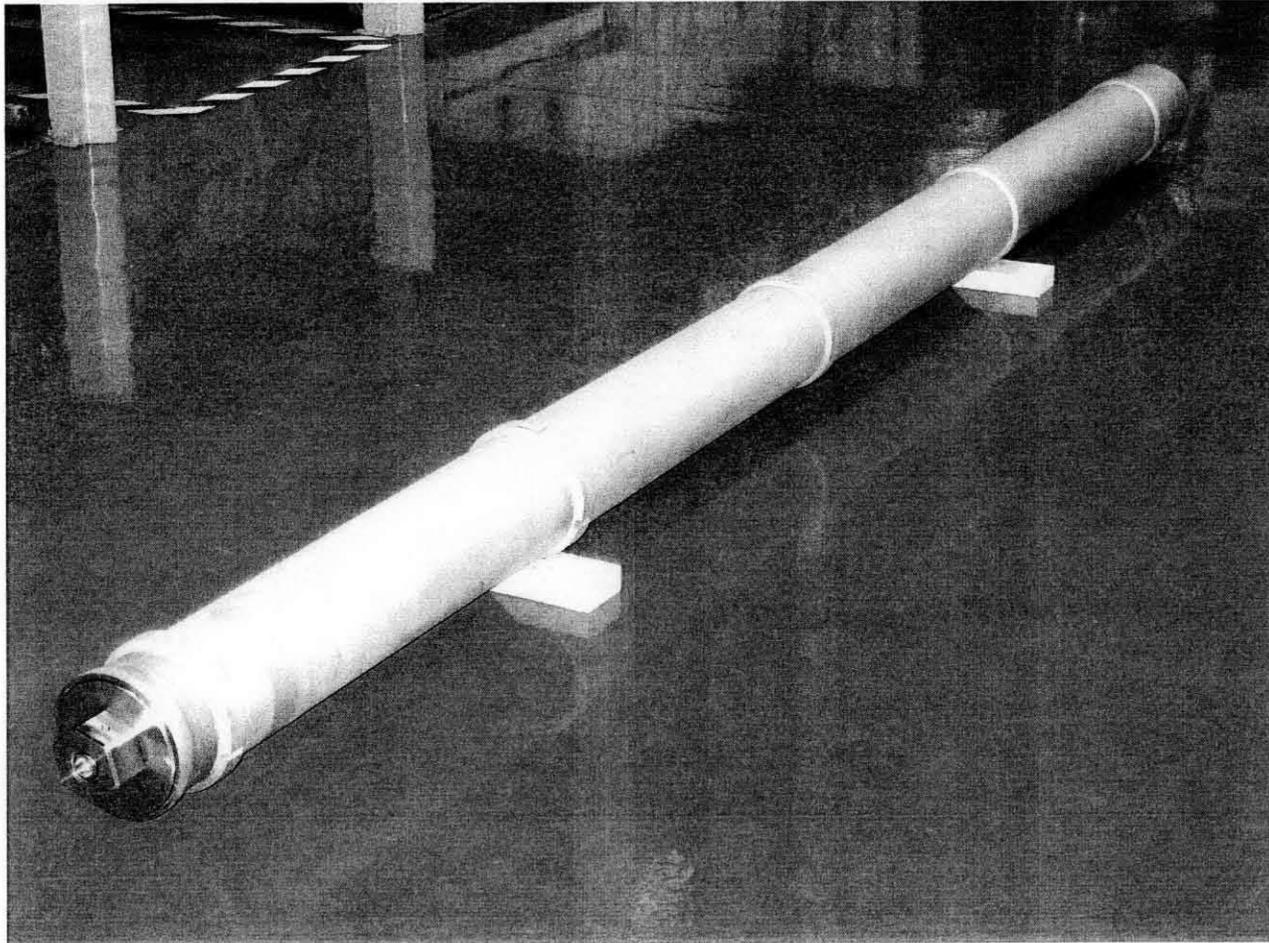
- Fluor Hanford continues to focus on the high priority deactivation activities to support sodium bonded fuel transfer to INL.
- Work on drilling the primary HTS boundary and sodium residuals drain of the large MHTS large valves, and the cover gas transition from argon to nitrogen was halted per DOE direction.
- Secondary priority of Systems Deactivation continues on plant systems that are no longer needed.
- Project costs and schedule continue to be maintained in control.

Significant Accomplishments (Last 3 Months)

- **Fuel Offload**

- Completed preparations to receive and store the sodium bonded fuel at INL.
- Completed the T-3 Cask SARP Addendum and received the Certificate of Compliance from DOE HQ Office of Licensing.
- Completed the sodium bonded fuel Transportation Plan.
- Completed fabrication and receipt of the twelve T-3 Cask inner liners (6CVLs).
- Completed fabrication and installation of the IEM cell equipment to handle and leak test the 6CVLs.
- Initiated operator training and equipment testing of the 6CVLs.
 - Completed ex-cell testing and in-cell testing/training is ongoing.
- Initiated the annual inspections of the T-3 Casks. Completed the inspections of the first cask.
- Initiated the Readiness Review.

T-3 Insert (6CVL) at the Fabricator's Facility (Indiana)



FINAL PRESENTATION
SEPTEMBER 20, 2007

Significant Accomplishments (Last 3 Months)

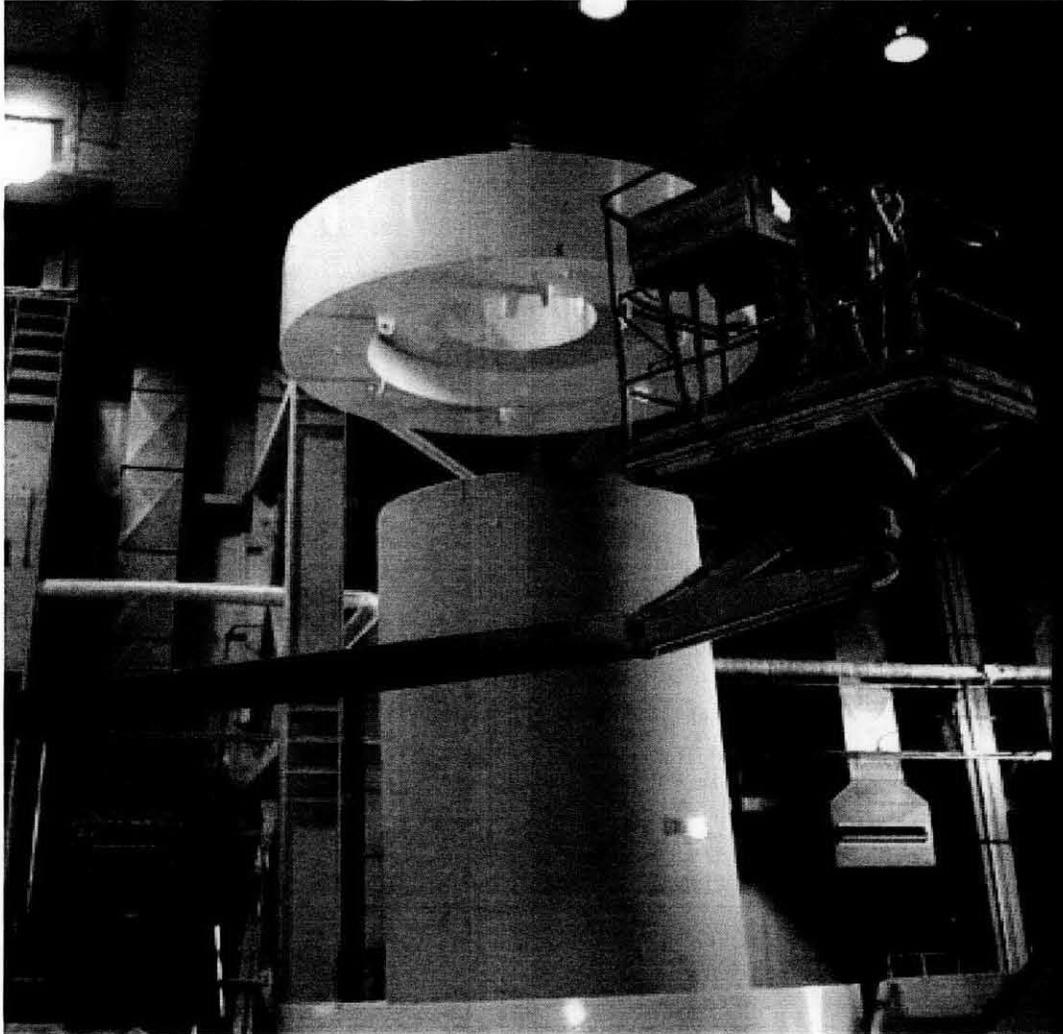
- **Sodium Drain**

- Work on drilling the primary HTS boundary and sodium residuals drain of the large MHTS large valves, and the cover gas transition from argon to nitrogen was halted per DOE direction.

- **Auxiliary Systems Shutdown**

- Continued work activities to remove and disposition the 3rd of remaining 10 PCB transformers.
- Completed loading two DWSCs with irradiated scrap from the IEM Cell.

DWSC at FFTF



FINAL PRESENTATION
SEPTEMBER 20, 2007

Significant Accomplishments (Last 3 Months)

- **400 Area WMU RCRA/State Dangerous Waste Permitted Storage of Sodium-Wetted Waste**
 - May 15, 2007 – November 10, 2007
 - Timeframe of 2nd TA continues.
 - July 25, 2007 Ecology letter
 - Will Issue a Rev. 8C of existing Hanford Facility RCRA Permit and incorporate the 400 Area WMU into the Permit prior to the November 10, 2007 expiration date of the 2nd TA.
 - August 13, 2007
 - Working schedule revised based on Ecology's July 23 and 25, 2007 commitments.
 - August 27, 2007 through October 11, 2007
 - The public comment period on the draft 400 Area WMU permit continues.
 - Success of schedule assumes that no comments are received that request a change in the draft permit, or no requests for reviews or hearing arise.

Significant Planned Actions (Next 6 Months)

- **Fuel Offload**

- Complete readiness to transfer sodium bonded fuel and initiate shipments.

- **Auxiliary Systems Shutdown**

- Continue systems shutdown when they are no longer needed.
 - Complete removal of the Sodium Removal System and Ion Exchanger Resin Beds.
 - Remove battery bank D-101.
 - Deactivate turbine generator and its Halon fire protection system.
- Complete removal and disposition of the 3rd and 4th PCB transformers (X-59 & X-98).
- Install a dry transformer for transferring loads from PCB transformers.

Significant Planned Actions

(Next 6 Months)

- **400 Area WMU RCRA/State Dangerous Waste Permitted Storage of Sodium-Wetted Waste**
 - October 11, 2007
 - Complete public comment period on draft permit.
 - October 11, 2007 – October 25, 2007
 - Respond to and resolve comments, issue Comment Responsiveness Summary (if necessary).
 - October 25, 2007
 - Ecology issues effective permit, which is prior to the November 10, 2007 expiration date of the 2nd TA.
 - Assumes that no comments are received that request a change in the draft permit, or no requests for reviews or hearing arise.

Schedule/Cost Performance

Fiscal Year to Date Status (\$000s) through 08/07

| <u>Description</u> | <u>BCWS</u> | <u>BCWP</u> | <u>ACWP</u> | <u>SV</u> | <u>CV</u> |
|--------------------|-------------|-------------|-------------|-----------|-----------|
| FFTF | \$28,990 | \$26,764 | \$26,404 | (\$2,226) | \$360 |

Variance Analysis:

- SV – The negative schedule variance is attributed to the workscope behind schedule on FFTF Transition activities and INL preparations for receipt of unirradiated sodium bonded fuel.

- CV – The positive cost variance is mostly attributed to the INL and Savannah River activities offset by a negative FFTF cost variance.

Project Issues/Risks

- Disapproval of fire exemption waivers or exemptions necessary to achieve FFTF low cost surveillance and maintenance mode impacts out-year costs (\$4M/yr).
- GNEP involvement results in minor impacts for the FFTF Closure Project
- FFTF severance may impact FY2009 budget (\$1.9M)
- Delay in issuance of 400 Area WMU RCRA permit by the November 10, 2007 expiration date of the 2nd TA could result in noncompliance and resulting NOV's/fines, unless worked otherwise with Ecology.

Summary

- Progress continues to be made on readiness to transfer sodium bonded fuel to INL.
- Continue working with contractor and Ecology to obtain timely 400 Area WMU RCRA permit for storage of sodium-wetted waste.