

**DISTRIBUTION
PROJECT MANAGERS' MEETING,
200 AREA GROUNDWATER SOURCE OPERABLE UNITS
September 12, 2011**

DOE/RL

(No hard copy distribution)

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Meeting Minutes Transmittal/Approval
Project Managers' Meeting
200 Area Groundwater and Source Operable Units
September 12, 2011

APPROVAL: for Fern Roddy DATE: 10/20/11
Al Farabee, 200 Area Project Manager, DOE/RL

APPROVAL: John L. Mann for DATE: 9/14/11
Briant Charboneau, 200 Area Unit Manager, DOE/RL

APPROVAL: Craig Cameron DATE: 9/14/11
Craig Cameron, 200 Area Project Manager, EPA

APPROVAL: Nina M. Menard DATE: 9/14/11
Nina Menard, 200 Area Project Manager, Ecology

HFFACO Action Plan Section 4.1 requires signature of agreements and commitments made during the Project Manager Meeting. Approval of these minutes documents approval of agreements and commitments documented in Attachment 4 to these minutes. Approval does not apply to any other attachments, which are included in these minutes for informational purposes.

**Minutes of the 200 Area Project Managers' Meeting of September 12, 2011 are attached.
Minutes are comprised of the following:**

Attachment 1	Attendance Record
Attachment 2	Agreements and Issues List
Attachment 3	Action Item List
Attachment 4	Operable Units and Facilities Status
Attachment 5	Project Manager Decision Agreement Transmittal/ Approval for 200-IS-1 Operable Unit Work Plan Scope

**200 Area Project Managers' Meeting
Agreements and Issues List
September 12, 2011**

Agreement: None

Issue: None

Delegations for September 12, 2011 PMM meeting:

DOE/RL (RL30)	John Morse for Briant Charboneau
DOE/RL (RL40)	Frank Roddy for Al Farabee

200 Area Project Managers' Meeting
September 12, 2011

OPEN ACTION ITEM TRACKING

Action #	Action/Subject	Assigned To	Owed To	Assigned Date	Original Due Date	Adjusted Due Date	Status
	No Open Action Items						

200 AREA PROJECT MANAGERS MEETING
PROJECT STATUS UPDATES

September 12, 2011
AGENDA

CENTRAL PLATEAU INNER AREA

200-WA-1
200-EA-1 CMS & FS / CAD & PP
200-PW-1/3/6
SVE
200-CW-5

Inner Area: Central Plateau Burial Grounds

200-SW-2

Inner Area: Central Plateau Canyons & Facilities

U Plant Canyon
B Plant Canyon/Waste Sites

Inner Area: Central Plateau Deep Vadose Zone

200-DV-1 RI/FS
200-DV-1 Uranium
200-DV-1 Tc-99 Desiccation Test

BOTH INNER & OUTER AREAS

200-IS-1 CMS & FS / CAD & PP

RCRA Units

Hexone TSD Closure
Other TSD Closures

CENTRAL PLATEAU OUTER AREA

200-OA-1, 200-CW-1, and 200-CW-3 FS/PP
200-SW-1

Field Work

Rail Car Disposition
200-MG-1
200-CW-3
200-BC Control Area
West Lake
Multi-Increment Sampling

Risk Assessment

Central Plateau Ecological Risk

CENTRAL PLATEAU GROUNDWATER

200-ZP-1 Interim Action
200 West P&T
200-UP-1 RI/FS
S/SX Interim Action
200-BP-5 and 200-PO-1 FS
200-BP-5 TTP
Groundwater Plumes – Final Remedy
Well Decommissioning

FUTURE SCOPE (out-year TPA milestones)

PUREX Canyon/Waste Sites
REDOX Canyon/Waste Sites
224B Concentration Facility
224T Transuranic Storage and Assay Facility
EE/CA Report(s)

200 AREA PROJECT MANAGERS MEETING
PROJECT STATUS UPDATES

September 12, 2011

CENTRAL PLATEAU INNER AREA

200-WA-1 and BC-1 EPA Lead (RL- Arlene Tortoso, CHPRC – Phil Burke)

M-015-91A, Submit a RI/FS work plan for the 200-WA-1 OU (200 West Inner Area) to EPA, 12/31/2011

M-015-91B, Submit FS Report(s) and PP(s) for the 200-BC-1/200-WA-1 OU (200 West Inner Area) to EPA, 6/30/2013

- Work on the 200-WA-1 OU Work Plan continues, the decisional draft was reviewed by RL and comments are being adjudicated.
- Draft A of the Work Plan will be delivered from CHPRC on or before September 30, 2011.

Schedule Status: On Schedule

Regulatory Agency Comments:

200-EA-1 Ecology Lead (RL- Doug Hildebrand, CHPRC – Phil Burke)

M-015-92A, Submit a RFI/CMS & RI/FS work plan for the 200-EA-1 OU (200 East Inner Area) to Ecology, 12/31/2012

- Activities associated with 241-CX-72 (Semi Works) Characterization and the preliminary assessment of waste sites to be included in the 200-EA-1 RI/FS WP have been resequenced to be consistent with the funding profile; this resequencing will not impact milestone compliance at this time.

Schedule Status: Schedule will be revised, if needed, upon recommencement of project activities.

Regulatory Agency Comments:

200-PW-1/3/6 EPA Lead (RL- Arlene Tortoso, CHPRC – Phil Burke)

- At the request of the public, EPA has announced an extension to the PP public comment period to September 6, 2011.
- The Team has begun review of the comments received to date and will assist in the Responsiveness Summary. Approximately 119 comments have been received.
- EPA has prepared a draft of the ROD and the project team is supporting the effort. Currently reviewing the draft ROD. EPA is anticipating the ROD to be completed this Fiscal Year.

200-PW-1 Soil Vapor Extraction System (SVE): (RL- Arlene Tortoso, CHPRC – Mark Byrnes)

- Both soil vapor extraction units (216-Z-9 and 216-Z-1A) are on line and are running smoothly. PNNL is currently running tests at 216-Z-9 that will support future decisions regarding when SVE operations should cease.

Schedule Status: The project schedule is set and we will assist EPA in the delivery of the ROD by September 30, 2011.

Regulatory Agency Comments: EPA – Efforts to complete the ROD are on-going.

200-CW-5 EPA Lead (RL- Greg Sinton, CHPRC – Phil Burke)

- At the request of the public, EPA has announced an extension to the PP public comment period to September 6, 2011.
- The Team has begun review of the comments received to date and will assist in the Responsiveness Summary. Approximately 119 comments have been received.
- EPA has prepared a draft of the ROD and the project team is supporting the effort. EPA is anticipating the ROD to be completed this Fiscal Year.

Schedule Status: The project schedule is set and we will assist EPA in the delivery of the ROD by September 30, 2011.

Regulatory Agency Comments:

Inner Area: Central Plateau Burial Grounds**200-SW-2 Ecology Lead** (RL – Doug Hildebrand, CHPRC – Phil Burke)

M-015-93A, Submit Revised RFI/CMS & RI/FS work plan for the 200-SW-2 OU to Ecology, 12/31/2011

M-015-93B, Submit RFI/CMS & RI/FS Report & Proposed CA Decision/PP for 200-SW-2 to Ecology, 12/31/2016

- Draft A of the Work Plan was reviewed by RL and the comments are being adjudicated but due to funding limitations holding on any further work at this time.
- Activities on the Work Plan will be resequenced to be consistent with the funding profile and the project is being prepared for Safe Store.

Schedule Status: Project will be rescheduled in accordance with the funding profile.

Regulatory Agency Comments:

Inner Area: Central Plateau Canyons and Facilities

U Plant Canyon EPA Lead (RL – Wade Woolery, CHPRC – Dottie Norman)

M-016-200A, Complete U Plant Canyon (221-U) demolition in accordance with the RD/RAWP, 9/30/2017

M-016-200B, Complete U Plant Canyon (221-U) barrier construction in accordance with the RD/RAWP, 9/30/2021

- Grout placement and demolition preparation activities continue. A summary of 221-U grout placement is provided below: Other grout and demolition preparation activities are ongoing in the 221-U Canyon Facility.

221-U Canyon Grout Overview					
Location	Planned Quantity	Unit	Placed Quantity	Unit	
Drain Header	110	CY	110	CY	100%
Process Sewer	93	CY	106	CY	114%
Buoyant Vessels	670	CY	124	CY	19%
Process Cells	6084	CY	7204	CY	118%
Hot Pipe Trench	1029	CY	1329	CY	129%
Electrical Gallery	4497	CY	5461	CY	121%
Piping Gallery	4314	CY	5400	CY	125%
Ventilation Tunnel	2940	CY	0	CY	0%
Vent Ducts to Stack	581	CY	0	CY	0%
Total	20318	CY	19734	19734	
Estimated Volume at Completion : 22381 CY 88% Completion as of September 3, 2011					

Regulatory Documents EPA Lead (RL- Wade Woolery, CHPRC – Dottie Norman)

Schedule Status: On schedule

Regulatory Agency Comments:

B Plant Canyon/Waste Sites Ecology Lead (RL – Naomi Bland, CHPRC – Mike Hickey)

M-85-10A, Submit RI/FS work plan for the 200-CB-10U (B Plant Canyon/associated past practice waste sites) to Ecology, 12/31/2011

- Reviewing the 200-CB-1 Decisional Draft work plan and sampling and analysis plan

Schedule Status: On schedule

Regulatory Agency Comments:

Inner Area: Central Plateau Deep Vadose Zone

200-DV-1 Ecology Lead (RL – John Morse, CHPRC – Marty Doornbos)

M-015-110A, Submit RFI/CMS & RI/FS work plan for the 200-DV-1 OU to Ecology. The work plan shall include technology screening that identifies technologies applicable for characterization, treatment, and monitoring of Deep Vadose Zone contaminants, 9/30/2012

M-015-110B, Submit CMS & FS and PP/PCAD for the 200-DV-1 OU to Ecology, 9/30/2015

- The DQO scoping for characterization of the waste sites is complete, with preparation of the 200-DV-1 OU SAP underway.
- Screening of the deep vadose zone remediation technologies is on schedule.
- Perched water pumping from the B Area began on August 30, 2011 for system startup testing. Automatic pumping operations are expected to begin in September.

Schedule Status: Submittal of the RFI/CMS & RI/FS Work Plan may be impacted by FY12 budget.

Regulatory Agency Comments:

200-DV-1 Ecology Lead (RL – John Morse, CHPRC – Glen Chronister)

M-015-110C, Submit uranium treatment technology field test plan as an element of the RFI and RI for the 200-DV-1 OU to Ecology, 12/31/2010

Uranium Sequestration Pilot Test:

- The FTP was submitted to Ecology in December of 2009. Funding prioritization has re-scoped the test to conduct only a shallow (Hanford Formation) test. The FTP/SAP will be revised following determination of FY12 funding.

Schedule Status: Budget impacts on the uranium sequestration test schedule have resulted in the deferral of the deep (cold creek formation) test.

Regulatory Agency Comments:

**200-BC-1 EPA Lead (RL – John Morse, CHPRC – Glen Chronister)
M-015-110D, Submit technetium-99 pilot scale treatability study test
report(s) as an element of the RI for the 200-BC-1/200-WA-1 OUs to
EPA 6/30/2012**

Desiccation Test

- The Desiccation Pilot Test was initiated on November 8, 2010 and the active portion of the test was completed on June 30, 2011. Activities continue with the rebound monitoring and data evaluation that will be incorporated into the test report (TPA Milestone M-015-110D). Drilling of two ground truthing boreholes started on August 28, 2011 and the results will also be folded into the test report. Drafting of the test report was initiated in August but will not be completed until additional modeling for scale up and other information is complete.

Schedule Status: On schedule

Regulatory Agency Comments:

BOTH INNER & OUTER AREAS

**200-IS-1 Ecology Lead (RL- Doug Hildebrand, CHPRC – Phil Burke)
M-015-90, Submit Revised RFI/CMS & RI/FS work plan for 200-IS-1 to
Ecology, 12/31/2011**

- The planned workshops have been completed and they have reached a successful completion required by TPA Change Number M-15-11-02. Overall, the workshop discussions were productive in reaching a common understanding of the scope of the 200-IS-1 project, as well as agency expectations for the content of the draft work plan. The parties agreed that DOE should complete and submit a 200-IS-1 Draft Work Plan for Ecology review per TPA milestone M-015-90. The workshops focused on reaching agreement on the scope of the 200-IS-1 Work Plan. Four specific scoping issues were addressed in the workshops: (1) Allocation of Pipelines and Associated Equipment to OUs; (2) Application of Alternative Closure Requirements; (3) Investigation Approaches; and, (4) Waste Classification. Following are specific workshop agreements in each of the four areas:

Allocation of Pipelines and Associated Equipment to OUs

- All pipeline sites (outside of WMAs, Canyons, 200-PW-1/3/6/CW-5, and Outer Area OUs) in the 200 East and 200 West areas will be assigned to 200-IS-1. The scope of sites in the 200-IS-1 Work Plan will be based upon an updated TPA Appendix C. A change request to update TPA Appendix C will be processed before the work plan is approved.
- 200-IS-1 will not be used to assess past practice versus TSD designations.

Application of Alternative Closure Requirements

- Alternative closure requirements remain an option although a proposal to use alternative requirements does not exist at this time. If alternate closure requirements are proposed, an “enforceable document” will need to be identified.

Investigation Approaches

- Existing data will be utilized to complete the Work Plan and conduct the Baseline Risk Assessment and RFI/RI/CMS/FS. The Work Plan will not include any additional pre-CAD/ROD characterization. The Work Plan will include an RFI/RI/CMS/FS task to conduct a confirmatory sampling DQO pre-ROD to ensure cost estimates are sufficiently robust. The existing 200-IS-1 DQO will be utilized as a starting point for this DQO process.
- The Work Plan will describe that during post-CAD/ROD remedial implementation removal sampling will be used to confirm or refute the assumptions used in the BRA and FS, and to verify that PRGs have been met. If confirmatory sampling results align a waste site with a site conceptual model (SCM) different than the one used to pick the remedy for that site, the site would be “plugged in” to a different SCM and its associated remedy.

Waste Classification

- DOE currently is limited to using the existing DOE Order 435.1 process. The citation and WIR process will be included on the critical path in the Work Plan schedule.
- The team is planning on addressing RL comments on the Draft A but due to funding limitations holding on any further work at this time. The team has been requested to begin Safe Store activities.

**200-EA-1 & 200-IS-1 Ecology Lead (RL- Doug Hildebrand, CHPRC – Phil Burke)
M-015-92B, Submit CMS & FS Report(s) & Proposed CA Decision(s)/PP(s)
for the 200-EA-1 and 200- IS-1 OUs (Central Plateau 200 East Inner Area) to
Ecology, 6/30/2014**

Schedule Status: Project will be rescheduled in accordance with the funding profile.

Regulatory Agency Comments:**RCRA Units**

**Hexone TSD Closure Ecology Lead (RL- Kevin Leary, CHPRC – Phil Burke)
M-037-01, Submit Revised Closure Plan to support TSD closure of the
Hexone Storage and Treatment Facility (276-S-141/142) TSD unit,
12/30/2010**

- The Hexone Storage and Treatment Facility Closure Plan and SAP were transmitted to Ecology for review on July 16, 2010. Comments were received from Ecology on October 15, 2010. Comment resolution has been granted via e-mail by Ecology to March 11, 2011. Based on a follow-up meeting with Ecology

the LDR variance is being withdrawn and the document rewritten to consider the tanks and ancillary equipment as debris (per Ecology's e-mail of 1/26/2011). Comment responses were submitted to Ecology on February 18, 2011. The Rev 1 finalization is pending Ecology responses to RL's response to comments.

- A meeting was held with Ecology on May 17, 2011 to discuss the SEPA checklist.
- Having not received a meeting request from Ecology, DOE-RL contacted Ecology on September 7, 2011 requesting a meeting to finalize and resolve comments on Rev. 1 of the Hexone Closure Plan. DOE-RL requested that Ecology set up the meeting (without the contractor's present per Ecology's request) and that Mr. Cliff Clark (DOE-RL's resident expert on RCRA) be invited to this meeting.

Schedule Status: Milestone was met ahead of schedule. Rev 1 schedule is pending Ecology response to RL's response to comments. Document finalization schedule will be revised upon receipt of Ecology's response.

Regulatory Agency Comments:

Other TSD Closures

M-037-02, submit Revised Closure Plans to support TSD closure for five (5) TSD Units: 207-A South Retention Basin, 216-A-29 Ditch, 216-A-36B Crib, 216-A-37-1 Crib, and 216-B-63 Trench, 06/30/2014

M-037-10, Complete Unit-Specific Closure Requirements According To The Closure Plan(s) For seven (7) TSD Units: 207-A South Retention Basin, 216-A-29 Ditch, 216-A-36B Crib, 216-A-37-1 Crib, 216-B-63 Trench, Hexone Storage and Treatment Facility (276-S-141/142), and 241-CX Tank System (241-CX-70/71/72), 9/30/2020

M-037-11, Complete unit-specific closure requirements for two (2) TSD Units; 216-B-3 Main and Pond system and 216-S-10 Pond and Ditch, 9/30/2016

CENTRAL PLATEAU OUTER AREA

200-CW-1, 200-CW-3, 200-OA-1 EPA Lead (RL – Margo Voogd, CHPRC – Mike Hickey)

M-015-38B, Submit a revised FS Report and revised PP(s) for 200-CW-1, 200-CW-3, and 200-OA-1 OUs for Waste Sites in the Outer Area of the Central Plateau to EPA, 4/30/2012

- Draft A Outer Area work plan and SAP in review, expected to be submitted to EPA in September.
- Developing the human health and ecological sections of the RI/FS.
- Initial evaluation of potential technologies underway.
- RI/FS introduction and study area investigation chapters are under development.

200-CW-1, 200-CW-3, 200-OA-1 EPA Lead (RL – Margo Voogd, CHPRC – Mike Hickey)

M-037-03, Submit Revised Closure Plans to support TSD closure for two (2) TSD Units: 216-B-3 Main Pond system, and 216-S-10 Pond and Ditch, 4/30/2012

- Work on these closure plans is scheduled for FY12.

Schedule Status: On schedule

Regulatory Agency Comments:

200-SW-1 Ecology Lead (RL: Kevin Leary, CHPRC – Mike Hickey)

- EA released for public review August 29, 2011.

Schedule Status: As above.

Regulatory Agency Comments:

Field Work

Railcars Disposition EPA Lead (RL: Frank Roddy, CHPRC – Dottie Norman)

- All railcars have been removed from the 200 North Area and dispositioned at either the B Reactor Museum or the ERDF. Demobilization activities are complete.
- Reviewing an internal draft of the Response Action Report for the railcar disposition. The draft has been provided to EPA for review.
- A new waste site has been designated for the contaminated railroad track at 212R (600-387).

Schedule Status: On schedule

Regulatory Agency Comments:

200-MG-1 EPA/Ecology Lead (RL: Frank Roddy, CHPRC – Bob Cathel)

- Waste site 600-281 has been backfilled. Closure documentation is being prepared.
- Waste site 216-S-26 has received a backfill concurrence form, and backfill has been completed.
- Waste site 600-228 has received a backfill concurrence form, and backfill is underway.
- Waste site 216-S-19 verification samples showed the remedial action objectives have been met. A backfill concurrence form has been signed and backfill has been initiated.

- The Reclassification Forms and associated Response Action Reports for the following waste sites were signed off so far in August: 600-40, 49, 218, 220, 282 and 200-W-147-PL-A.

Schedule Status: On schedule

Regulatory Agency Comments:

200-CW-3 EPA Lead (RL: Frank Roddy, CHPRC – Bob Cathel)

- The WIDS Reclassification Forms and associated Remaining Sites Verification Packages for the following waste sites have been signed by EPA.
- The 200-CW-3 Operable Unit Interim Remedial Action Report, Draft was submitted to DOE in August and DOE comments were incorporated. The draft was submitted to and reviewed by EPA. Their comments are currently being incorporated.

Schedule Status: On schedule

Regulatory Agency Comments:

200-BC Control Area (BCCA) EPA Lead (RL – Doug Chapin, CHPRC – Randy Havenor)

- BCCA North Zone A (~ 140 acres)
 - Remediation of field excavation of the 140 acres, and the stockpile excavation, have been completed. A cumulative total of ~483,000 tons has been disposed of at ERDF (from Zone A and stockpile excavation).
 - CERCLA post-soil removal verification survey measurements have been completed for 100% of the area. All hot spots identified to date have been remediated.
 - Final down post surveys to release the land area from radiological controls were completed.
- FY 2010 – FY 2011 BCCA On-Scene Coordinator Report:
 - The report, will document for the 200-OA-1 OU AR, the FY 2010 and 2011 work completed for the BCCA North (Zones A and B) cleanup work reflect that reprioritization of funding to other projects did not allow the entire CERCLA cleanup in BCCA North to be completed.
 - The report is on schedule to be finalized in September 2011, which would document and include discussion that the Zone A stockpile excavation work (to ERDF) had been completed in July 2011.

Schedule Status: On schedule

Regulatory Agency Comments:

Multi-Increment Sampling Ecology Lead (RL – Frank Roddy, CHPRC – Randy Havenor)

- The first site of MIS verification sampling is complete. All samples have been delivered to Ecology. A preliminary study has been done. Ecology is now endeavoring to set up a formal analysis by a contractor.

Regulatory Agency Comments:

Risk Assessment

Central Plateau Ecological Risk Assessment EPA/Ecology Lead (RL – Jim Hansen, CHPRC – John Lowe)

- Draft Data analysis of soil bioassays for the site-wide PRG development (with a focus on supporting the schedule for River Corridor RI/FSSs) is completed and was provided informally.
- Tier 2 ecological risk-based soil levels report provided (CHPRC-01311, Rev. 0).

Schedule Status:

Regulatory Agency Comments:

CENTRAL PLATEAU GROUNDWATER

200-ZP-1 Interim Action EPA Lead (RL – Arlene Tortoso, CHPRC – Mark Byrnes)

- System is online pumping water at 384 gallons per minute (gpm).
- The two T Tank Farm Tc-99 wells are pumping water to ETF at ~29 gpm. They were down Tuesday August 30, 2011 for an ERDF leachate transfer. Flow rate has been slowed down due to dropping groundwater levels.
- The 2010 Annual Performance Summary Report for the 200-ZP-1 and 200-UP-1 Operable Units was transmitted to EPA and Ecology on August 5, 2011.
- Groundwater modeling runs are complete. This modeling utilized most recent depth-discrete groundwater analytical data. A presentation of the results were provided July 14, 2011. Review comments are being incorporated in the draft report.
- Fifteen extraction and five injection wells have been installed at this time. Drilling of the next set of 6 injection wells began on March 16, 2011. Injection well C8068 has reached a depth of 80 feet below ground surface. Injection well C8066 has reached total depth at 457 feet and currently is under construction. Similarly, injection well C8065 has reached total depth at 476 feet and is completing construction.

Schedule Status: On schedule.

Regulatory Agency Comments:

200 West Area GW Treatment Facility EPA Lead (RL – Arlene Tortoso, CHPRC – Mark Byrnes)

M-016-124, Submit 200-ZP-1 Remedial Design Report, 8/31/2010

M-016-122, Begin Phase 1 Operation of 200W Pump and Treat System, 12/31/2011

- All 4 transfer building CATs complete. Working on construction punchlist items.
- Radiological Building: All 3 CATs complete. Working on construction punchlist items.
- Bio Process Building: In process work continues for all disciplines: instrumentation and controls, electrical, mechanical, civil/structural. Electrical Utilities (MSA EU) aligned electrical power and energized the Bio Building on Friday August 26, 2011.
- BIO PAD: In process work continues for all disciplines. Continued installation and CAT testing by all disciplines.
- Startup and Testing: 29 CATs total to complete: 7 Completed CATs; 22 Active CATs

Schedule Status: On schedule.

Regulatory Agency Comments:

200-UP-1 EPA Lead (RL – Naomi Bland, CHPRC – Curt Wittreich)

M-015-17A, Submit a 200-UP-1 RI and FS Report and PP to EPA, 9/30/2010

- Met with EPA on August 23, 2011 to refine the range of P&T alternatives to be presented in the proposed plan and RI/FS report. Additional modeling will be required to support the refined alternatives and will push completion of the RI/FS and Proposed Plan to FY12.

Schedule Status: M-015-17A completed September 27, 2010

Regulatory Agency Comments: EPA – would like a meeting scheduled between EPA and RL to discuss path forward.

S/SX Tank Farm Interim Action EPA/Ecology Lead (RL – John Morse, CHPRC – Curt Wittreich)

M-016-120, GW Treatment System <50 gpm for Tc-99 Plume at S/SX Tank Farm, 12/31/2011

- Construction of the WMA S-SX extraction system continued. The first of 3 extraction wells was completed and drilling at the second well is underway. Baseline water level monitoring continued.

Schedule Status: Completion of the construction of the extraction system by December 31, 2011 is planned. A draft TPA change request is being prepared to extend the

milestone to August 31, 2011 to better align with the 200 West Treatment Facility startup schedule.

Regulatory Agency Comments:

200-BP-5, PO-1 Ecology Lead (RL – John Morse, CHPRC – Curt Wittreich)

M-015-21A, Submit a 200-BP-5 and 200-PO-1 OU FS Report and PP(s) to Ecology, 12/31/2012

- Review of the Decisional Draft 200-BP-5 RI Report was completed.
- Incorporation of Ecology comments (RCR) on the Draft A 200-PO-1 RI Report continued. Comment resolutions meetings were held on August 11 and 23, 2011 with Ecology. A redline of Chapters 1-4 incorporating comments for were delivered to Ecology and RL on August 25, 2011 for final concurrent review. Redlines of remaining chapters Chapters 5-7 will follow shortly.

Schedule Status: A draft TPA change request is being prepared to extend the milestone by 30 months.

Regulator Comments

200-BP-5 Ecology Lead (RL – John Morse, CHPRC – Curt Wittreich)

M-015-82A, Submit Treatability Test Plan as Amendment of 200-BP-5 WP, 12/31/2010

M-015-82B, Initiate 200-BP-5 Aquifer Tests Within 6 months of TTP Approval, approval of TPP + 6 months

- Baseline water leveling monitoring continued. Construction activities for the treatability test system (pipeline road crossing) were placed on hold due to fire level restrictions.

Schedule Status: M-015-82A completed. M-015-82B was completed/met with the start of test construction, as defined in the test plan. Issued a milestone completion letter to EPA and Ecology on August 9, 2011.

Regulatory Agency Comments:

Well Decommissioning EPA/Ecology Lead (RL – Frank Roddy)

	Cumulative	
	Planned	Completed
Decommissioning Total	280	280

Schedule Status: Final well, of 280, was decommissioned the week of July 18, 2011.

Regulatory Agency Comments:

FUTURE SCOPE (out-year TPA milestones)

PUREX Canyon/Waste Sites Ecology Lead (RL – Frank Roddy, CHPRC – Mike Hickey)

M-85-20A, Submit RI/FS Work Plan for 200-CP-1 OU (PUREX Canyon/associated past practice waste sites) to Ecology, 9/30/2015

REDOX Canyon/waste sites EPA Lead (RL – Naomi Bland, CHPRC – Mike Hickey)

M-85-30A, Submit RI/FS Work Plan for 200-CR-1 OU (REDOX Canyon/associate past practice waste sites) to EPA, 12/31/2017

224B Concentration Facility Ecology Lead (RL- Kevin Leary, CHPRC – Bob Cathel)

M-085-50, Submit revised removal action work plan for the 224B Concentration Facility in accordance with the Action Memorandum for the Non-Time Critical Removal Action for the 224-B Plutonium Concentration Facility (DOE/RL-2004-36). A change package with a completion milestone will accompany the submittal of the work plan. 12/31/2015

224T Transuranic Storage and Assay Facility EPA Lead (RL- Kevin Leary, CHPRC – Bob Cathel)

M-085-51, Submit removal action work plan for the 224T Transuranic Storage and Assay Facility in accordance with the Action Memorandum for the Non-Time-Critical Removal Action for the 224-T Plutonium Concentration Facility (DOE/RL-2004-68). A change package with a completion milestone will accompany the submittal of the work plan. 12/31/2025

EE/CA Report(s) EPA & Ecology Lead (RL – Doug Chapin, CHPRC, Dottie Norman)

M-85-60, Complete EE/CA report(s) for all Tier 2 facilities listed in Appendix J, 3/31/2018

- 200 West Area Tier 2 Facilities EE/CA: Planning continues with schedule details to follow.

GW Plumes EPA/Ecology Lead (RL – John Morse)

M-016-119-T01, Remedy in Place to Contain GW Plumes in 200 NPL Area, 12/31/2020

- Draft Annual Report provided to EPA and Ecology.

**Project Manager Decision Agreement Transmittal/Approval for
200-IS-1 Operable Unit Work Plan Scope**

The following agreement is to be transmitted to the Administrative Record as stand-alone decisions based on issues discussed in three workshops involving DOE and Ecology.

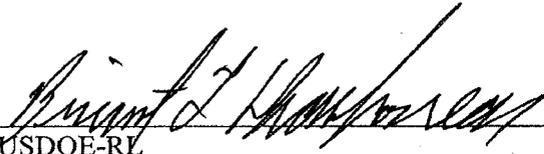
AR Category 200-IS-1 Operable Unit Work Plan, TPA Interim Milestone M-015-90
Decision / Agreement
<p>This agreement represents the outcome of workshops required by TPA Change Number M-15-11-02. The workshops focused on developing agreement for the scope of the 200-IS-1 Work Plan. Four specific scoping areas were outlined in TPA Change Number M-15-11-02 and addressed in the workshops: (1) Allocation of Pipelines and Associated Equipment to OUs; (2) Application of Alternative Closure Requirements; (3) Investigation Approaches; and, (4) Waste Classification. Overall, the workshop discussions were productive and the parties reached a common understanding of the scope of the 200-IS-1 Operable Unit (OU) project. It was agreed that DOE should complete a 200-IS-1 Draft Work Plan for Ecology review per TPA milestone M-015-90. The following are specific workshop agreements addressing each of the four areas:</p> <p>Allocation of Pipelines and Associated Equipment to OUs</p> <ul style="list-style-type: none"> • Maps identifying pipelines, diversion boxes and other ancillary equipment were presented during the workshops. The parties will continue improving the detail represented on the maps as the Work Plan process proceeds to submittal. The parties will update maps and tables that clearly show the varying pipeline depths (e.g. 0-10 feet, 10-15 feet, and greater than 15 feet) during the Remedial Investigation/Feasibility Study (RI/FS) preparation. • All pipeline sites (outside of Waste Management Areas, Canyon OUs, 200-OA-1, and 200-PW-1/3/6/200-CW-6) in 200 East and 200 West areas will be assigned to the 200-IS-1 OU. <ul style="list-style-type: none"> ○ The scope of sites in the 200-IS-1 Work Plan will be based upon an updated TPA Appendix C. A change request to update TPA Appendix C will be processed before the Work Plan is approved. ○ 200-IS-1 RFI/CMS/RI/FS will not be used to assess past practice versus TSD designations. ○ The Work Plan will address the incorporation of future SST Permit updates. <p>Application of Alternative Closure Requirements</p> <ul style="list-style-type: none"> • Alternative closure requirements remain an option, although a proposal to use alternative closure requirements does not exist at this time. If alternate closure requirements are proposed, an 'enforceable document' will need to be identified. • The existing approach for integrating TSD closure and corrective action requirements as described in TPA Action Plan Section 5.5 will be addressed in the Feasibility Study. <p>Investigation Approaches</p> <ul style="list-style-type: none"> • Existing information and data will be utilized to complete the Work Plan and conduct the Baseline Risk Assessment (BRA) and RFI/CMS/RI/FS. The RFI/CMS/RI/FS process will lead to a Corrective Action Decision/Record of Decision (CAD/ROD) decision document. The Work Plan will not propose additional pre- CAD/ROD characterization. • The Work Plan will include an RFI/CMS/RI/FS task to conduct a confirmatory sampling DQO pre-ROD to ensure cost estimates are sufficiently robust to evaluate confirmatory sampling as a remedy component.

- One CAD/ROD with one consistent approach will be developed for all pipelines, irrespective of whether they are TSD or past practice. The Work Plan will include a 'plug-in' ROD approach that includes post-CAD/ROD confirmatory sampling as one of the remedy components.
- Confirmatory sampling would be used to confirm or refute the assumptions used in the BRA and FS, and to verify that Preliminary Remediation Goals (PRGs) have been met. If confirmatory sampling results align a waste site with a site conceptual model (SCM) different than the one used to pick the remedy for that site, the site would be "plugged in" to a different SCM and its associated remedy.
- A Lessons Learned meeting would be conducted with appropriate 100 Area remediation personnel to better understand how the 100 Area experience can be utilized to improve the 200-IS-1 approach. This task will be included in the Work Plan.

Waste Classification

DOE is using the existing DOE Order 435.1 process. The federal WIR determination and citation process will be included on the critical path in the Work Plan schedule.

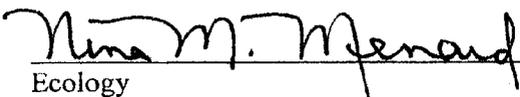
APPROVED:



USDOE-RL

8-31-2011

Date



Ecology

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Date