

Meeting Minutes Transmittal/Approval
Project Managers' Meeting
200 Area Groundwater and Source Operable Units
July 21, 2016

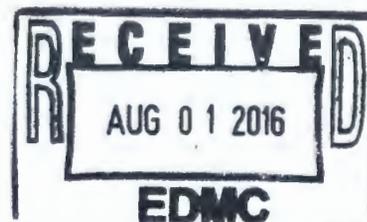
APPROVAL: *James P. Hanson for* DATE: 7/21/2016
Michael Cline, 200 Area Unit Manager, DOE/RL

APPROVAL: NA DATE: _____
Al Farabee, 200 Area Project Manager, DOE/RL

APPROVAL: *[Signature]* DATE: 7/24/2016
Emerald Laija, 200 Area Project Manager, EPA
Rod Lobos

APPROVAL: *Nina M. Menard* DATE: 7/21/2016
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 and 5 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 July 21, 2016 are attached. Minutes are comprised of the following:

- | | |
|---------------------|---|
| Attachment 1 | Attendance Record |
| Attachment 2 | Agreements, TPA-CN-0723 |
| Attachment 3 | Action Item List |
| Attachment 4 | Operable Units and Facilities Status |
| Attachment 5 | Documents for Submittal to the Administrative Record |
| Attachment 6 | Groundwater Monitoring Status for PMM |

200 Area Project Managers' Status Meeting
July 21, 2016

PRINTED NAME	ORGANIZATION	O.U. ROLE	TELEPHONE
Benjamin Vannoh	DOE-RL	CA	376 9623
KIM WELSCH	ECOLOGY	DOC LEAD	372-7882
Tim Mullin	Ecology	Permit writer	372-7970
Stacy Simon	ODDS		(541) 240-0161
Vina Menard	Ecology	Project Manager	372-7941
Eis Eberlein	Ecology	PM	372-7906
JV Bughese	CHPRC	EP	373-3804
Jim Hansen	DOE-RL	Technical lead	373-9068
Dan Beers	WDOT	CERCLA	943-6585
Dib Goswami	Ecology	PM	372-7902
John Sands	RL	WA-C	372-2282
Joe Axtell	RL	-	373-6687
ROBIN VARUSEN	FCY	-	376-7930
Red Lokos	EPA		376-3749
Steve Balme	RL	None	376-0236
Deborah Singleton	CHPEC	Env./compliance	373-7386
Lorin Clements	CHPRC	Env. Comp.	373 9125

**200 Area Project Managers' Meeting
Agreements and Issues List
July 21, 2016**

Agreement: None

Issue: None

Announcements: None

Delegations for July 21, 2016 PMM meeting:

EPA

DOE

TRI-PARTY AGREEMENT

Change Notice Number TPA-CN- 723	TPA CHANGE NOTICE FORM	Date: 06/8/16
Document Number, Title, and Revision: DOE/RL-2010-33, Rev 0., <i>Removal Action Work Plan for Central Plateau General Decommissioning Activities</i>		Date Document Last Issued: April 2010
Approved Change Notices Against this Document: TPA-CN-372, 421, 483, 537, 613, 673, 635		
Originator: W.E. Toebe		Phone: 372-2359

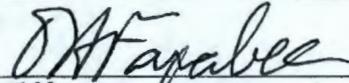
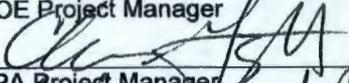
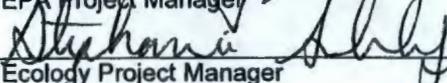
Description of Change:
Change to the document is needed to remove structure 211A from the scope of DOE/RL-2010-33. The proposed change will not modify the decision, but will only remove the structure from the scope of the removal action as allowed by the Action Memorandum.

 O.A. Farabee and C.J. Guzzetti/S.N. Schleif agree that the proposed change
DOE **Lead Regulatory Agency**
modifies an approved workplan/document and will be processed in accordance with the Tri-Party Agreement Action Plan, Section 9.0, *Documentation and Records*, and not Chapter 12.0, *Changes to the Agreement*.

Revise Table 1-1, see attached Page with removal of text denoted by ~~strikeout~~.

Note: Include affected page number(s): Page 1-5

Justification and Impacts of Change:
In accordance with the Removal Action Work Plan (DOE/RL-2010-33, Rev 0, Section 1.2), DOE may remove buildings/structures that are determined unsuitable for inclusion within the scope of the removal action. 211A includes a treatment, storage, and disposal unit which is inappropriate for addressing under this action. Consequently, the entire 211A is being removed from the scope of DOE/RL-2010-33 and transferred to the scope of DOE/RL-2010-102.

Approvals:		<u>6/9/16</u>	<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved
DOE Project Manager		Date	
		<u>6/9/16</u>	<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved
EPA Project Manager		Date	
		<u>6/9/16</u>	<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved
Ecology Project Manager		Date	

DOE/RL-2010-33, REV. 0

Table 1-1. Building / Structure List and Locations

Building/Structure Designation	Area	ERDF Approximate Waste Quantity (ton)
MO280	600	740
MO292	600	740
MO315	600	50
MO667	600	20
2025EA	200E	700
2025EC71	200E	10
207BA	200E	10
209EA	200E	410
2101HV	200E	1,200
2101M	200E	12,900
2103HV	200E	30
2105HV	200E	200
210A	200E	70
210E	200E	10
211A	200E	940
211B	200E	380
211BA	200E	80
211BA151	200E	10
211BB	200E	10
2125E	200E	100
214A	200E	80
217A	200E	80
217B	200E	40
218B	200E	10
219B	200E	10
221A	200E	70
221BA	200E	10
221BG	200E	10
2220E	200E	170
2230E	200E	120
2237E	200E	60
2258E	200E	10
225B-BA	200E	50
225BC	200E	80
225BD	200E	20
225BE	200E	260

Table 1-1. Building / Structure List and Locations

Building/Structure Designation	Area	ERDF Approximate Waste Quantity (ton)
225BG	200E	120
225EC	200E	10
2400E	200E	60
2402EC	200E	10
2402EG	200E	40
2403E	200E	90
2403EA	200E	20
2404E	200E	20
241A201	200E	230
241AN273	200E	20
241AN274	200E	10
241AN801	200E	10
241AP273	200E	20
241AP801	200E	10
241AW273	200E	20
241AW801	200E	10
241AZ156	200E	80
241AZ271	200E	90
241B701	200E	10
241C73	200E	10
241C90	200E	20
242A81	200E	50
242A-BA	200E	190
242AC	200E	60
242AL11	200E	100
242AL71	200E	10
243G1	200E	100
243G1A	200E	30
243G2	200E	90
243G3	200E	40
243G4	200E	50
243G6	200E	30
243G81	200E	10
243G82	200E	10
243G9	200E	20
244AR701	200E	20

**200 Area Project Managers' Meeting
July 21, 2016**

CHPRC-1602538
Attachment 3

OPEN ACTION ITEM TRACKING

Action #	Action/Subject	Assigned To	Owed To	Assigned Date	Original Due Date	Adjusted Due Date	Status
174	Ecology will respond with a path forward for BP-5 PO-1 SAP	Ecology/Nina Menard	RL	5/19/2016	6/10/2016	8/5/2016	Will submit 200-BP-5 comments to DOE by 08-05-2016
178	Discuss with Ecology the status of the Action Memo Work Plan associated with Milestone M-016-250	Al Farabee	Ecology	7/21/2016	9/15/2016		
179	Respond to Ecology justification to add 207A SRB to Appendix C	Ben Vannah/Mostafa Kamal	Ecology	7/21/2016	8/31/2016		

200 AREA PROJECT MANAGERS' MEETING
Milestones and Operation Status by OU
July 21, 2016

Deep Vadose Zone 200-DV-1 Ecology Lead (RL –Jim Hanson, CHPRC – Mark Byrnes)

- Requested a 60 day extension to June 13, 2016, for the delivery of the Rev. 0 RI/FS work plan. In a March 29, 2016, meeting, RL and Ecology came to agreement on a path forward for how to address Ecology's comments related to Central Plateau Principals and Parameters. Preparation of the Rev 0 RI/FS Work Plan is underway.
- Drilling began October 1, 2015, at the BY Cribs locations using a Becker-Hammer rig. At this time, casings have successfully been installed from surface to below the high radiological interval in all 22 of the boreholes as indicated by downhole logging. Seven of the 22 borehole locations have completed sonic drilling, which drilled from below the high radiological risk interval to total depth. The drilling of borehole C9507 (219-T-19) is underway. This borehole started with sonic drilling to 32.6 ft bgs, then Becker-Hammer drilled to 48.1 ft bgs. Sonic drilling will resume to a target depth of 230 ft bgs.
- Two of the BY Crib boreholes (C9550 & C9552) have been decommissioned including installation of a flush mount surface vault. The remaining two boreholes (C9549 & C8706) will be decommissioned in May. The other four BY Crib boreholes each have sensor arrays installed in them to support future electrical conductivity geophysical surveys and to facilitate a more thorough interrogation of the extent of the vadose zone contamination.

Primary Borehole ID#	Waste Site	Becker/ Geoprobe Push Depth (ft)	Estimated High RAD Interval (ft)	Current Sonic Rig Depth (ft)	Target Depth of Investigation (ft)	Total Number of Samples Collected	Total Number of Samples To Be Collected
C9550	By Cribs	43.8	15-45	200.5	197	11	11
C9549	By Cribs	45.4	20-45	200.5	197	10	11
C9552	By Cribs	45	10-45	202.2	197	11	14
C8706	By Cribs	45.3	14-45	202.3	197	11	11
C9491	216-B-37	51.2	14-52	227.7	222	3	8
C9487	216-B-7 A&B	33.4	19-33	235.5	237	3	13
C9490	219-B-9	34.2	14-34	TBD	250	3	9
C9489	219-B-9	34.2	12-35	TBD	250	3	9
C9492	216-T-5	40.5	NA	TBD	95	3	8
C9494	216-T-5	40.4	0-35	TBD	95	0	GPL only
C9495	216-T-14	35.8	0-35	TBD	105	0	GPL only
C9496	216-T-15	35.7	0-35	TBD	105	0	GPL only
C9505	216-T-15	43.5	10-34	TBD	105	2	5
C9510	216-T-25	39.0	14-40	TBD	115	2	9
C9511	216-T-23	43.9	14-40	TBD	115	2	9
C9506	216-T-18	33.5	12-34	TBD	100	2	8
C9512	216-S-9	32.6	30-46	TBD	134	3	9
C9514	216-S-21	44.0	15-40	TBD	121	9	9

Primary Borehole ID#	Waste Site	Becker/ Geoprobe Push Depth (ft)	Estimated High RAD Interval (ft)	Current Sonic Rig Depth (ft)	Target Depth of Investigation (ft)	Total Number of Samples Collected	Total Number of Samples To Be Collected
C9488	216-B-8	43.6	25-42	226.0	224	8	8
C9499	216-T-6	43.4	15-43	TBD	105	3	8
C9554/ C9502	216-T-6	43.4	15-43	TBD	105	0	GPL only
C9507	216-T-19	48.1	20-52	32.6	230	2	12

- The new perched water system is now operational and undergoing three separate hydraulic tests to help determine the extent of the perched water zone. Test #1 and the first two of three studies under Test #2 are now complete.

Regulatory Agency Comments: N/A

200-IS-1 Ecology Lead (RL- Doug Hildebrand, CHPRC – Bert Day)

- Provided a revised 200-IS-1 change package C-13-01 for Ecology's review on March 8, 2016 incorporating additional TSDs identified through the ongoing scoping development (change package incorporates the TSD agreements between RL and Ecology and describes the criteria used during the workshops for TSD determination).
- Completed 310 waste unit scoping summaries through RL review and updates.
- Initiated Chapter 3 – Initial Evaluations text preparation.
- Received informal Ecology concurrence on Chapter 1 and related Chapter 5 associated with the RCRA/CERCLA integration
- Conducted three initial evaluation workshops with Ecology on April 12, April 26, and May 5.
- Continued bi-weekly project meetings with RL, Ecology, and CHPRC project team.
- Continued discussions regarding early action options associated with 200-IS-1 waste sites with a basis for action.

M-015-112: Submit Draft B, 200-IS-1 OU Pipeline System Waste Sites RFI/CMS/RI/FS WP to Ecology, including a schedule of completion dates for major tasks and deliverables, 2/28/2014.

- Status: Dispute resolution. The parties are currently working on identifying the Work Plan scope (i.e., change package C-13-01), TSD identification, and associated revised delivery schedule. The dispute resolution is currently extended to September 1, 2016.

Regulatory Agency Comments: N/A

200-EA-1 Ecology Lead (RL- Doug Hildebrand, CHPRC – Bert Day)

- Conducted scoping summary kick-off meeting for the RI/FS Work Plan with RL and CHPRC

M-015-92A: Submit a RFI/CMS & RI/FS work plan for the 200-EA-1 OU (200 East Inner Area) to Ecology, 9/30/17

- Status: On Schedule.

Regulatory Agency Comments: N/A

200-SW-2 Ecology Lead (RL- Doug Hildebrand, CHPRC – Bert Day)

- Comment resolution and draft Rev. 1 of the work plan delivery extended to May 31, 2016. This extension was requested to allow time for agency agreement on the Central Plateau principals and parameters.
- Conducted work plan text revision comment resolution meeting on April 7, 2016, focusing on the six remaining comments. Proceeding with Rev 1 RI/FS work plan delivery.
- Continuing discussions with Ecology associated with the Green Islands and associated waste designation determinations
- Finalized Green Islands containers 6 and 7 legacy waste designation calculations; initiated calculations on the remaining green islands.
- Characterization:
- Conducting data evaluation and reviews associated with the aerial radiation survey.

Regulatory Agency Comments: Parties will continue to deliberate on the two issues (16-NWP-116) related to the principles of the work plan. EPA is ready to sign SAP.

200-SW-1 Ecology Lead (RL- Doug Hildebrand)

- EA released for public review August 29, 2011. The last of the public comments were received on November 17, 2011. Due to budgetary constraints and priorities, no further action is scheduled for FY2016.

Regulatory Agency Comments: N/A

200-BC-1 and 200-WA-1 EPA Lead (RL- John Sands, CHPRC – Patrick Baynes)

- Due to the nature and extent of the EPA comments on the Draft B RI/FS Work Plan, RL requested an extension for comment resolution through August 15, 2017. Some of the issues are cross-cutting with other Operable Units. DOE and CHPRC are working to ensure consistency in resolving the comments across all Central Plateau Work Plans.
- One of the areas that is being worked includes pipeline segmentation and OU assignment. Some of the pipelines around PFP are being considered for segmentation with some segments being re-assigned from other EPA-lead OUs (200-CW-5, 200-PW-1, and 200-PW-6) to 200-WA-1.

Regulatory Agency Comments: 200-WA-1 has been coordinated with 200-IS-1 to potentially transfer components from 200-IS-1 to 200-WA-1

200-CW-1, 200-CW-3, 200-OA-1 EPA Lead (RL –Ben Vannah, CHPRC – Bert Day)

- Nothing to report.

Regulatory Agency Comments: N/A

200-BP-5 and 200-PO-1 Ecology Lead (RL – James Hanson, CHPRC – Curtis Wittreich)

- Completed the Draft A 200-BP-5 Treatability Test Report. Transmitted the report to the regulators on April 25, 2016, for a 45-day review. Groundwater extraction continued to further assess contaminant removal.
- Completed the design of an extension to the 200-BP-5 cross-site pipeline from the current extraction well 299-E33-268 to well 299-E33-360 located on the north side of B-Plant. Procurement of materials and subcontract services was initiated, and construction is expected to start in May.

- Completed the Rev. 0 200-BP-5 EE/CA. Public review of the document was initiated on April 18, 2016 and extend to May 20, 2016.
- The Draft A 200-BP-5 RI Report and Draft A 200-PO-1 RI Report Addendum are under regulator review.
- Completed a Draft 200-BP-5/200-PO-1 FS for RL review.

Regulatory Agency Comments: Modeling issues are at the TPA manager level

200-PW-1/3/6 and CW-5 EPA Lead (RL- Robert Long, CHPRC – Patrick Baynes)

- Reached agreement with EPA on the responses to all EPA comments on the 200-CW-5 and 200-PW-1/3/6 RD/RAWP and SAP. The documents were approved May 19, 2016.

Regulatory Agency Comments: N/A

200-PW-1 Soil Vapor Extraction Operations EPA Lead (RL – John Sands, CHPRC – Mark Byrnes)

- The Rev. 0 Draft 200-PW-1 SVE Response Action Report has been released to EPA for their final review and approval.

Regulatory Agency Comments: N/A

200-UP-1 EPA Lead (RL – Kate Amrhein, CHPRC – Curtis Wittreich, PNNL-D. Wellman [I-129])

- Completed drilling three of the seven groundwater remedy performance monitoring wells for FY2016.
- Revising the 200-UP-1 Drilling SAP to add opportunistic/supplemental vadose and aquifer samples. The SAP is being revised based on initial EPA feedback and additional RL comments.
- Received EPA approval on the Waste Management Plan for the 200-UP-1 Groundwater Operable Unit, and issued the plan,
- A TPA change notice to the 200-UP-1 RD/RAWP is being drafted to define remedy performance groundwater monitoring wells required to satisfy TPA Milestone M-016-193.

M-016-193: Complete the remedial design investigation of the SE chromium plume, including the installation of new wells and evaluation of the GW monitoring data and install monitoring wells needed for remedy performance monitoring as defined in the UP-1 RD/RA WP, 9/30/2017.

- Status: On schedule.

Regulatory Agency Comments: N/A

200-ZP-1 EPA Lead (RL – Kate Amrhein, CHPRC – Byrnes/Barrett)

- Construction of new monitoring well 299-W13-2 began on February 18, 2016. Well construction was completed and the well accepted as a monitoring well on March 21, 2016.
- The redrill and reconstruction of injection well 299-W7-14 continues. All of the screened intervals have been surged to settle the filter pack and the remaining activities will be completed in May (i.e., well development, monument and bollard installation, and final survey).
- MBR is upgraded to increase capacity to the system.
- FBR has been repaired and start up is going as planned

Regulatory Agency Comments: N/A

M-024 Well Installation Ecology Lead (RL-Ben Vannah, CHPRC-Dave Capelle)

- o Nothing to report.

M-024-67-T01: Conclude Discussion of Well Commitments, 8/1/2016

- Status: Completed July 19, 2016

Regulatory Agency Comments: N/A

200 Area RCRA TSD Closures Ecology Lead (RL – Mostafa Kamal, CHPRC – Bert Day)

- o Nothing to report.

Regulatory Agency Comments: N/A

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

- o Nothing to report.

Regulatory Agency Comments: N/A

Canyon Facilities EPA/Ecology Lead (RL – Ray Corey, CHPRC –Jennie Stults)

- o Nothing to report.

M-085-80A: Submit a DQO report to assess the structural integrity of the PUREX storage tunnels 1 and 2, 9/30/2017

- Status: On Schedule.

Regulatory Agency Comments: N/A

Waste Site Removal Ecology Lead (RL- Al Farabee, CHPRC - D.Corriel)

- o Nothing to report.

M-016-250: Submit to Ecology for approval a three year rolling prioritized schedule consistent with site-wide clean-up priorities to implement waste site removal actions per Action Memoranda (DOE/RL-2009-37, DOE/RL-2009-48 and DOE/RL-2009-86), 3/31/2016 and annually thereafter.

- Status: On Schedule.

Regulatory Agency Comments: N/A

Central Plateau Milestones due post 9/30/2017

MS#	Title	New Due Date
M-015-00	Complete RI/FS for non-tank and non-canyon OUs	6/30/2026
M-015-21A	Submit BP-5/PO-1 FS/PP	6/30/2018
M-015-38B	Submit FS/PP for 200-CW-1, 200-CW-3 and 200-OA-1 OUs	7/31/2023
M-015-91B	Submit FS/PP for 200-BC-1/200-WA-1 OUs	7/31/2021
M-015-92B	Submit RFI/CMS, RI/FS, and Proposed CA Decision proposed plan for 200-EA-1	11/30/2022
M-015-92C	Submit RFI/CMS & RI/FS Study report and proposed CAD/PP for the 200-IS-1 OU to Ecology	3/31/2023
M-015-93B	Submit RFI/CMS & RI/FS Study Report and proposed CAD/PP for 200-SW-2 OU	1/31/2023
M-015-93C	Initiate characterization field work for the 200-SW-2 OU	9/30/2018
M-015-110B	Submit CMS & FS and Proposed CAD/PP for 200-DV-1 OU	9/30/2023
M-015-96	Submit the 100-OL-1 RI report and change request to establish a date for the FS	8/31/2018
M-015-98	Complete RI of U Plant related waste sites located in 200-WA-1	6/30/2019
M-015-99	Complete RI of PFP related waste sites located in 200-WA-1	6/30/2019
M-016-00	Complete remedial actions for non-tank and non-canyon OUs	9/30/2042
M-016-86	Complete remedial actions for 618-11 Burial Ground	9/30/2021
M-016-200A	Complete U Plant canyon demolition	9/30/2024
M-016-200B	Complete U Plant barrier construction	9/30/2027
M-085-01	Submit change package to establish a date for major milestone M-085-00	6/30/2026
M-085-70	Submit RI/FS Work Plan for 200-CB-1	9/30/2019
M-085-72	Submit RAWP to implement the approved Action Memorandum for 224-B	9/30/2020
M-085-74	Submit proposals for expedited response actions for one or more of the Tier 1 and Tier 2 facilities in the B Plant geographic area	6/30/2018
M-085-76	Initiate response actions for the B Plant geographic area	9/30/2025
M-085-80	Submit RI/FS Work Plan for 200-CP-1	9/30/2020
M-085-82	Submit proposals for expedited response actions for one or more of the Tier 1 or Tier 2 facilities in the PUREX geographic area	12/31/2017
M-085-84	Initiate response actions for the PUREX geographic work	9/30/2025
M-085-90	Submit RI/FS Work Plan for 200-CR-1	9/30/2021
M-085-100	Submit a RAWP to implement the approved Action Memorandum for 224-T	9/30/2020

MS#	Title	New Due Date
M-037-10	Complete Unit-Specific closure requirements for six TSD units	9/30/2020
M-037-11	Complete unit-specific closure requirements for 216-B-3 Main Pond System and 216-S-10 Pond and Ditch	9/30/2024
M-037-13	Complete unit-specific closure requirements for 241-CX Tank System	9/30/2022

Documents for Submittal to the Administrative Record

OU	Number (Published Year)	Title	Referencing Document
BP-5, PO-1	GW-51467, 2012	Borehole Summary Report for the Installation of Two RCRA Groundwater Monitoring Wells in the 200 Areas, FY2011	SGW-41072 R1 LERF
BP-5	HNF-SD-LEF-TI-005, 1997	Calculations for Liquid Effluent Retention Facility Part B Permit Application	DOE/RL-2013-46 R1 LERF
BP-5	SGW-38464, 2008	Liquid Effluent Retention Facility Data Quality Objectives, RCRA Replacement Well Siting and Sampling, Rev. 0	SGW-41072 R1 LERF
BP-5, PO-1	SGW-51467, 2012	Borehole Summary Report for the Installation of Two RCRA Groundwater Monitoring Wells in the 200 Areas, FY2011, Rev. 0	DOE/RL-2013-46 R1 LERF
BP-5, PO-1	SGW-52161, 2012	Resistivity and Electromagnetic Investigation at the LERF, 200 East Area of the Hanford Site	DOE/RL-2013-46 R1 LERF
BP-5	WHC-MR-0235, 1990	Borehole Completion Data Package for the Liquid Effluent Retention Facility	DOE/RL-2013-46 R1 LERF
BP-5	WHC-SD-EN-EV-024, 1996	Interim Status Groundwater Monitoring Plan for the 200 East Area Liquid Effluent Retention Facility	SGW-41072 R1 LERF
BP-5	WHC-SD-W105-SAR-001	Final Safety Analysis Report, Project W-105 Liquid Effluent Retention Facility	DOE/RL-2013-46 R1 LERF
CW-5, PW-1, PW-6	DOE/RL-2015-22, R0, 2016	Sampling and Analysis Plan for the 200-CW-5, 200-PW-1, and 200-PW-6 Operable Units	cleared April 2016
PW-1	ECF-200PW1-16-0077, R0, 2016	Soil Vapor Extraction Endstate Tool Calculations for this 216-Z-9, 216-Z-1A, and 216-Z-18 Waste Sites in the 200-PW-1 Operable Unit	cleared June 2016
UP-1	ECF-200W-15-0056, R0, 2016	Estimation of the Travel Time for Migration of Aroclor 1254 from Surface Soils to Groundwater at the 216-S-10 Pond and Ditch	cleared June 2016
PO-1	SGW-59939, R0, 2016	Meeting with Ecology on Disposition of RCRA Monitoring Plans Comments for 216-A-36B and 216-A-37-1, April 19, 2016	cleared May 2016
BP-5	CP-47631, 2011, R0, 2011	Model Package Report: Central Plateau Groundwater Model Version 3.3	ECF-200BP5-16-0026

OU	Number (Published Year)	Title	Referencing Document
ZP-1	DOE/RL-2009-115, R2 DB, 2016	Performance Monitoring Plan for the 200-ZP-1 Groundwater Operable Unit Remedial Action	cleared June 2016
BP-5, PO-1	SGW-59346, 2015	Borehole Summary Report for the Installation of Seven M-24 Tri-Party Agreement Groundwater Monitoring Wells FY201	SGW-41072 R1 LERF

Groundwater Monitoring Status for Project Managers Meeting *July 2015 (June Data)*

Hanford's overall Site groundwater monitoring program managed by CHPRC (River Corridor and Central Plateau) coordinates collection of groundwater samples from wells and aquifer tubes, as well as surface water samples from springs.

Sample trips are scheduled by month and prioritized based on project needs. Target sample dates (months) are chosen to minimize the number of sample trips by temporally aligning requests from multiple activities for a single location into a single trip, where practical.

Sample Trip Status by Month Scheduled

For Fiscal Year 2016, Hanford's overall Site groundwater monitoring program has 2,914 sample trips scheduled. We have successfully completed 2,155 of 2,228 through June 2016.

During June 2016, 238 Fiscal Year 2016 sample trips were successfully collected of which 32 were scheduled for May.

The specific wells, aquifer tubes, and springs sampled in the central plateau during June 2016 are listed in Table 1.

Awaiting Sample Trips

There are 79 sample trips that are awaiting collection. Of these, 1 well will be decommissioned, 12 require maintenance, 8 have access restrictions, 3 are not on the Well Access List, 2 and pump-and-treat wells that are not running, 5 have been canceled, 2 are being reviewed for cancellation, 3 were unsuccessful, 10 are associated with a special study and have an adjusted schedule, and 33 are awaiting collection at the month end.

Table 2 presents the sample trips for only the central plateau that were not successfully completed in June. Sample trips in Table 2 are grouped by month scheduled and groundwater interest area. This table clearly shows that the number of awaiting well trips decreases with time from the schedule date. Reasons for sample trips to be awaiting include but are not limited to issues such as well maintenance, weather conditions, access restrictions, and resource limitations.

Upcoming Sample Trips

Sample trips for the central plateau only, scheduled for collection in July 2016 (and not collected before the target sample month) are listed in Table 3.

WMA C Tank Farm

11 of the 12 WMA C samples for the third quarter of FY-2016 were collected on June 16, 17, and 19, 2016. The WMA C network monitoring wells are listed in Table 4.

Data Access

The sampling results are available in HEIS and can be accessed from the Environmental Dashboard Application which can be accessed from the HLAN at <https://ehs.chprc.ri.gov/eda/> or from the internet at <https://ehs.hanford.gov/eda/>.

Table 1 Wells, Aquifer Tubes, and springs in the Central Plateau Successfully Sampled In June 2016

200-BP	200-PO	200-UP	200-ZP
199-K-183	299-E24-5	299-W21-2	699-50-74
199-K-31	699-25-34A	299-W22-10	699-51-63
299-E26-8	699-25-34F	299-W22-113	
299-E27-12		299-W22-115	
299-E27-13		299-W22-116	
299-E27-14		299-W22-47	
299-E27-15		299-W22-69	
299-E27-155		299-W22-72	
299-E27-21		299-W22-79	
299-E27-22		299-W22-80	
299-E27-23		299-W22-81	
299-E27-24		299-W22-82	
299-E27-25		299-W22-83	
299-E27-7		299-W22-84	
299-E27-7		299-W22-85	
299-E28-11		299-W22-86	
299-E28-2		299-W22-87	
299-E28-21		299-W22-88	
299-E28-24		299-W22-89	
299-E28-25		299-W22-93	
299-E28-3		299-W22-94	
299-E28-5		299-W22-95	
299-E28-6		299-W22-96	
299-E28-7		299-W23-19	
299-E28-8		299-W23-20	
299-E28-9		299-W23-21	
		299-W23-236	
		699-36-61A	
		699-38-65	

Table 2 Fiscal Year 2015 and 2016 Sample Trips in the Central Plateau awaiting at the end of June 2016

Quarter Scheduled	GWIA	Sample Name	Site Name	Scheduled Date	Frequency	Months Remain	Status	Comment
FY 2016 Q1	200-BP	WELL	299-E33-205	10/1/2015	Biannual	0	Late	Review for cancellation, Access Restricted
FY 2016 Q2	200-BP	WELL	299-E33-12	3/1/2016	Annual	8		Maintenance Required, Unsuccessful 3-4-2016
		WELL	299-E33-40	1/1/2016	Annual	6		Maintenance Required
	200-PO	WELL	699-34-42	1/1/2016	Annual	6		Review for Cancellation, Unsuccessful 1-25-2016
		WELL	699-S24-19P	3/1/2016	Annual	8		Access Restricted
	200-UP	WELL	299-W18-15	2/1/2016	Annual	7		Maintenance Required
		WELL	299-W19-107	2/1/2016	Annual	7		Maintenance Required
		WELL	299-W19-34B	2/1/2016	Annual	7		Maintenance Required
200-ZP	WELL	299-W14-72	2/1/2016	Annual	7		Maintenance Required	
FY 2016 Q3	200-BP	WELL	299-E27-26	6/1/2016	Quarterly	2		
		WELL	299-E27-4	6/1/2016	Quarterly	2		To be Decommissioned
		WELL	299-E28-23	6/1/2016	Annual	11		
		WELL	299-E28-31	6/1/2016	Annual	11		
		WELL	299-E28-32	6/1/2016	Annual	11		
		WELL	299-E33-205	4/1/2016	Biannual	3		Access Restricted
		WELL	699-50-59	4/1/2016	Annual	9		Maintenance Required, Unsuccessful 4/25/2016
		WELL	699-53-55C	4/1/2016	Annual	9		Maintenance Required
	200-PO	WELL	699-65-72	4/1/2016	Annual	9		Maintenance Required
		WELL	299-E13-16	4/1/2016	Annual	9		Not on Well Access List
		WELL	299-E13-7	4/1/2016	Annual	9		Not on Well Access List
		WELL	299-E17-3	4/1/2016	Annual	9		Not on Well Access List
		WELL	299-E25-18	4/1/2016	Annual	9		Maintenance Required, Unsuccessful 4-1-2016
		WELL	299-E25-25	5/1/2016	Other	0	Late	Access Restricted, Special Study
		WELL	299-E25-25	6/1/2016	Other	10		Access Restricted, Special Study
		WELL	299-E25-39	5/1/2016	Other	0	Late	Access Restricted, Special Study
		WELL	299-E25-39	6/1/2016	Other	10		Access Restricted, Special Study
	200-UP	WELL	699-28-40P	5/1/2016	Annual	10		
		WELL	299-W22-114	6/1/2016	Annual	11		
		WELL	299-W22-123	6/1/2016	Annual	11		
		WELL	699-32-70B	4/1/2016	Annual	9		Unsuccessful 5-22-2016
	200-ZP	WELL	699-38-70B	5/1/2016	Annual	10		Unsuccessful 5-6-2016
		WELL	299-W14-73	4/1/2016	Annual	9		P&T well not running
		WELL	299-W14-74	4/1/2016	Annual	9		P&T well not running

Table 3 Central Plateau Groundwater Sampling Locations Scheduled to be sampled in July 2016

200-BP	200-PO	200-UP	200-ZP
199-K-183	299-E13-11	299-W18-21	299-W15-152
199-K-31	299-E13-12	299-W18-22	299-W15-17
299-E26-10	299-E13-19	299-W19-44	299-W15-224
299-E26-11	299-E17-14	299-W19-45	299-W15-30
299-E26-14	299-E17-16	299-W19-47	299-W15-7
299-E26-15	299-E17-18	699-17-70	299-W15-83
299-E26-77	299-E17-19	699-19-88	299-W15-94
299-E26-79	299-E17-22		299-W17-1
299-E28-1	299-E17-23		699-48-77C
299-E28-13	299-E17-25		699-48-77D
299-E28-15	299-E17-26		699-49-100C
299-E28-17	299-E18-1		
299-E28-18	299-E24-21		
299-E28-26	299-E24-24		
299-E28-27	299-E25-17		
299-E28-28	299-E25-19		
299-E29-54	299-E25-20		
299-E32-10	299-E25-29P		
299-E32-2	299-E25-29Q		
299-E32-3	299-E25-32Q		
299-E32-4	299-E25-37		
299-E32-5	299-E25-43		
299-E32-6	299-E25-44		
299-E32-7	299-E25-47		
299-E32-8	699-24-34D		
299-E32-9	699-24-34E		
299-E33-265	699-24-36		
299-E33-266	699-25-34F		
299-E33-268	699-26-33A		
299-E33-28	699-26-38		
299-E33-29	699-39-39		
299-E33-30	699-41-42		
299-E33-34	699-42-42B		
299-E33-35	699-43-44		
299-E33-39	699-43-45		
699-44-39B			
699-45-42			
699-46-91			
699-54-48			

200-BP	200-PO	200-UP	200-ZP
699-54-49			
699-55-57			
699-55-60A			

Table 4. WMA C Quarterly Monitoring Wells

SITE_NAME
299-E27-12
299-E27-13
299-E27-14
299-E27-15
299-E27-155
299-E27-21
299-E27-22
299-E27-23
299-E27-24
299-E27-25
299-E27-4
299-E27-7

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