

DISTRIBUTION
PROJECT MANAGERS MEETING
200 AREA GROUNDWATER and SOURCE OPERABLE UNITS
September 19, 2019

FINAL MEETING MINUTES

Electronic Distribution to:

Meeting Attendees
Administrative Record
Correspondence Control

200 AREA PROJECT MANAGERS MEETING
Attachments List
September 19, 2019

Minutes of the 200 Area Project Managers Meeting are attached. Minutes are comprised of the following:

- | | |
|----------------------|--|
| Attachment 1 | Agenda |
| Attachment 2 | Attendees Sign In Sheets |
| Attachment 3 | Signature Approval Page |
| Attachment 4 | Presentation – <i>Central Plateau 2019 Annual Institutional Controls Assessment</i> |
| Attachment 5 | Presentation - <i>MSA Annual Institutional Controls Assessment (2019)</i> |
| Attachment 6 | Milestones and O. U. Status, July - August Data |
| Attachment 7 | Documents Entered into the AR and Approved Change Notices
July - August Data |
| Attachment 8 | TPA-CN-0860 |
| Attachment 9 | TPA-CN-0861 |
| Attachment 10 | J-19-01 |
| Attachment 11 | Action Item List |

200 AREA PROJECT MANAGERS MEETING AGENDA September 19, 2019

Presentation - *Central Plateau 2019 Annual Institutional Controls Assessment* - Fred Ruck

Presentation – *MSA Annual Institutional Controls Assessment (2019)* – Greg Berlin

Milestones and O. U. Status- July - August, 2019 Data

- 200-PW-1/3/6 and 200-CW-5
- Canyon Facilities
- Deep Vadose Zone
- 200-IS-1 and 200-EA-1
- 200-SW-2
- 200-SW-1
- 200-OA-1, 200-CW-1, 200-CW-3
- 200-BC-1 and 200-WA-1
- 200-BP-5 and 200-PO-1
- M-015 Milestone Series
- 200-UP-1
- 200-ZP-1
- 200 Area Groundwater/200 West P&T Facility
- M-016 Milestone Series
- M-024 Milestone Series
- 200 Area RCRA TSD Closures
- Waste Site Removal

Documents for the Administrative Record and Approved TPA Change Notices

- TPA-CN-0860
- TPA-CN-0861
- J-19-01

Action Items

Closing Comments (all)

- Sign concurrence to “Groundwater Summary by O.U.” and “Action Item List” if applicable
- EPA and ECY are reminding DOE that project documents are to be sent to the Project Managers.

Future PMM meetings will be held in 2420 Stevens Room 308 from 2:30-3:30pm as follows:

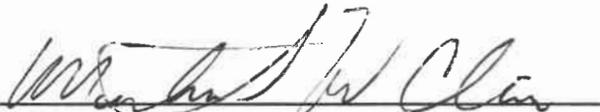
2019

- September 19
- November 21

2020

- January 16
- March 19
- May 21
- July 16
- September 17
- November 19

200 Area Project Managers Meeting
Meeting Minutes Approval
September 19, 2019

APPROVAL:  DATE: 9/19/2019
Michael Cline, 200 Area Project Manager, DOE/RL

APPROVAL:  DATE: 9/19/2019
Mark French, 200 Area Project Manager, DOE/RL

APPROVAL:  DATE: 9/19/19
Laura Buelow for Craig Cameron, 200 Area Project Manager, EPA

APPROVAL:  DATE: 9/19/19
Kim Welsch, 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 agreements and commitments identified in the attached "Milestones and O.U. Status" and the "Action Item List". Approval does not apply to the minutes themselves or to any other attachments.

CENTRAL PLATEAU 2019 ANNUAL INSTITUTIONAL CONTROLS ASSESSMENT



200 Area Project Managers Meeting

September 19, 2019



U.S. DEPARTMENT OF
ENERGY

Central Plateau Institutional Controls Assessment

Institutional Controls are:

- Specified in CERCLA Decision documents and RCRA Closure/Corrective Action documents
- Consolidated in DOE/RL-2001-41, Rev. 9

Annual assessment requirement is contained in in DOE/RL-2001-41, Rev. 9

Central Plateau Records of Decision

- 200-ZP-1 Groundwater Operable Unit ROD
- 200-UP-1 Groundwater Operable Unit Interim ROD
- 221-U Facility (Canyon Disposition Initiative) ROD
- 200-CW-5 and 200-PW-1/3/6 Source Operable Unit ROD
- Environmental Restoration Disposal Facility ROD
- 100/200 Areas Remaining Sites (200 North Area) ROD

Institutional Controls Associated with Records of Decision

- Entry Restrictions – Example: Active badging and barricades
- Warning Notices – Example: Signage as specified in decision documents
- Groundwater-Use Management – Example: No unauthorized wells
- Land-Use Management – Example: Excavation permits, site evaluations

Institutional Controls Assessment Results

- Institutional controls were in place through out FY 2019 for the Central Plateau operable units.
- There were no failures of institutional controls during the fiscal year.
- These controls are planned to be continued through FY 2020 on the Central Plateau.

Institutional Controls Associated with Records of Decision

Beloit and 23rd Street



Institutional Controls Associated with Records of Decision

Camden and 23rd Street



Institutional Controls Associated with Records of Decision

East of 200 West P&T



Institutional Controls Associated with Records of Decision

Southwest of 221-U Plant





MSA - ANNUAL INSTITUTIONAL CONTROLS ASSESSMENT (2019)





Background

Institutional Controls

- Defined in CERCLA and RCRA decision documents
 - Consolidated in *Sitewide Institutional Controls Plan For Hanford CERCLA Response Actions and RCRA Corrective Actions*, DOE/RL-2001-41, Rev. 9 (IC Plan)
 - Rev. 9 published in early 2019 to incorporate 100-D/H ROD
 - IC Plan requires annual assessment of ICs



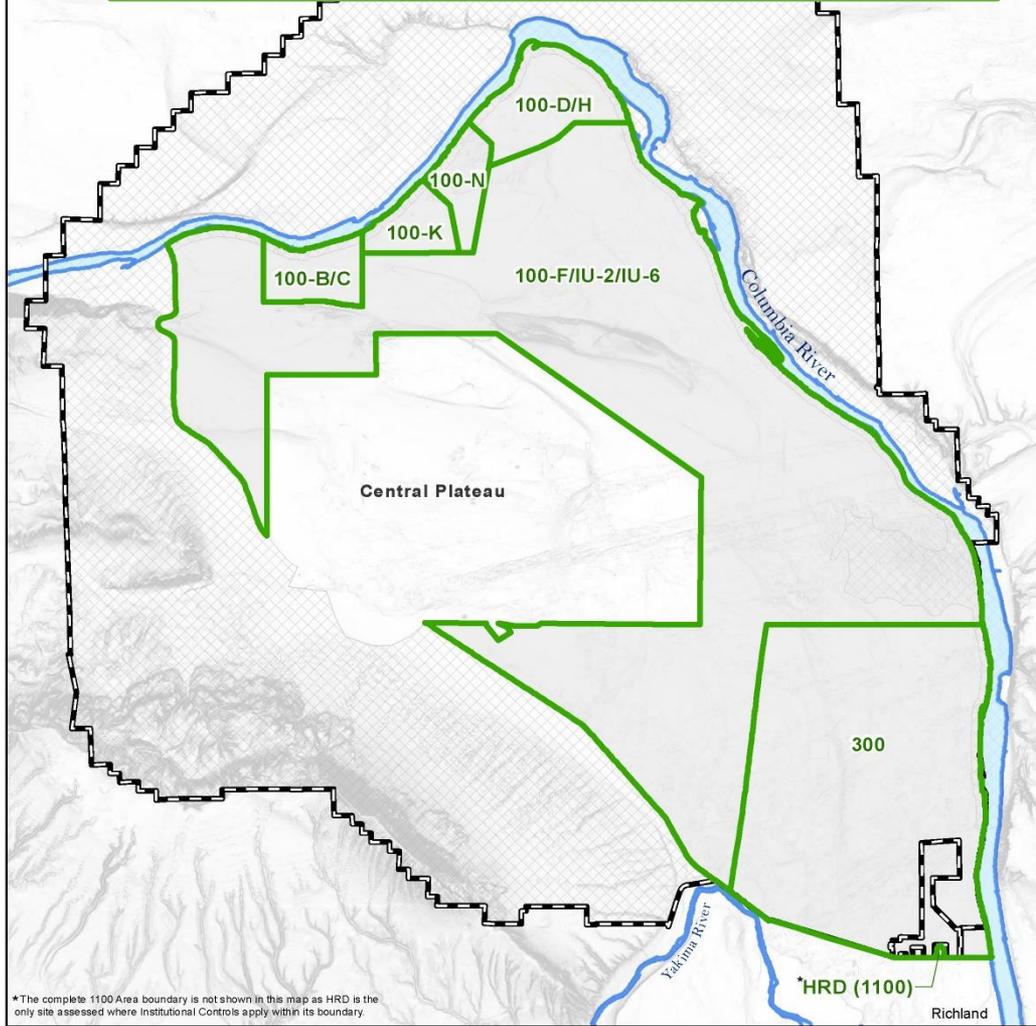
618-10 Site Assessed on April 15, 2019

MSA 2019 Annual Assessment – Focus on River Corridor

- 220 waste sites assessed for compliance with IC requirements
 - Systematic field walk-downs, reviews of aerial imagery, and vehicle surveys (depending on the size of the site and the type of topography)
- Reviewed for applicable specific IC requirements listed in decision documents
- MSA publishes Annual Sitewide IC Assessment Report each fall



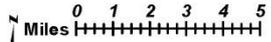
River Corridor Assessment Areas
Includes 220 waste sites with ICs located within the
River Corridor (approximately 220 square miles)



*The complete 1100 Area boundary is not shown in this map as HRD is the only site assessed where Institutional Controls apply within its boundary.

**Hanford Site
MSA 2019 Geographical Decision Areas Assessed**

- Geographical Decision Areas
- Hanford Reach National Monument
- Hanford Site



Basemap: 10m Digital Elevation Model
MSA Geospatial Information Technology
Services: Reference Map As of 12:49:19 PM 9/10/2019
20190710_RES_GDA_2019AssessedAreas_85x11_Rev1



Institutional Control Categories & Types

Access Controls

- Warning Notices (i.e., signs)
- Entry Restrictions
- Fencing

Land-Use Management

- Land-use and real property controls
- Site Evaluations and Site Excavation Permits
- Enhanced Recharge
- Irrigation Control



Wye Barricade -- Entry restrictions for access control requiring badging and security checkpoint.



Warning signs in Spanish and English along Columbia River near 100-F Area.





Institutional Controls Categories & Types

Groundwater-Use Management

- Land-use and real property controls, Site Excavation Permits

Barriers

- Engineered controls (e.g., signs and fencing)

Information Controls

- Notifications and restrictions (trespassing events)
- Notice in Deed

Miscellaneous

- Administrative

HANFORD SITE
EXCAVATION PERMIT
Home Screen - Dashboard 1
DEANNA ROHLFING - ACTIVITY DASHBOARD

Dashboard Report Create Permit or Revision

Permit Requests

Company: All

There are no permits in your queue.

Permit Reviews

There are no reviews in your queue.

Permit Number	Status	Due Date
There are no reviews listed.		

Contact Site Excavation Services

For questions or information concerning the Hanford Site Excavation Permit application, please contact Brian Harmon:
Phone: 373-6528
Email: brian_c_harmon@rlt.gov





2019 Institutional Control Results

Access Controls - Warning Notices

- Completed assessment of “No Trespassing” signs along the Columbia River
 - Replaced approximately 160 damaged or missing signs in FY 2019





2019 Institutional Control Results

Access Controls - Warning Notices (cont'd)

- Hazardous Area warning signs required by decision documents are in place (2 repaired/replaced in 2019)
- Approximately 55 “No Trespassing” signs along road perimeter were found to be damaged or illegible due to general weathering or fire
 - Signs fabricated, installation pending

Access Controls - Entry Restrictions

- Active badging program and barricades in place to control unauthorized entry
- Damaged fences were observed in 11 locations
 - Repairs have been completed in FY 2019



Sign at 300 Area North Parking Lot Entrance Repaired this FY.





2019 Institutional Control Results

Land-Use Management

- No changes in land-use designations occurred in FY 2019 (e.g., industrial use)
- LTS reviewed 26 Site Evaluations in FY 2019 to ensure land-use ICs are maintained
- LTS approval is mandatory on Site Excavation Permits:
 - >135 excavation permit applications were evaluated in FY 2019 for IC compliance
- No substantial disturbances or natural subsidence/erosion found on waste sites with ICs
- MSA assessed 36 waste sites in the 300 Area Industrial Complex with the enhanced recharge IC:
 - Improving/maintaining drainage systems and barriers in place (e.g., asphalt barriers) to support the enhanced recharge IC
 - LTS facilitates regular 300 Area Hanford Contractor Interface meetings
 - LTS is working with 300 Area Hanford contractors to minimize impact of discharges from drinking water pipeline flushing / fire-hydrant tests
 - new flushing discharge locations/directions were established (e.g., 331 Facility event)





2019 Institutional Control Results

Groundwater-Use Management

- Wells to be drilled at Hanford are reviewed through the Site Excavation Permit Application process

Barriers – Engineered Controls

- Controls are in place to maintain the integrity of cap at the Horn Rapids Landfill

Information Controls – Notifications

- 10 reportable trespassing incidents on Hanford (October 2018 – August 2019)

All ICs in LTS managed areas were observed to be in-place in 2019



Porcupine Observed Near 100-D



Bald Eagle Observed Near 100-H



Curlew Observed Near 100-H



Bee Pollinating Orange Globe Mallow



200 AREA PROJECT MANAGERS MEETING

Milestones and O.U. Status

July – August, 2019 Data

September 19, 2019

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

Not funded in FY2019.

- Request and Obtain Project Funding (FY16-18). RL has not requested project funding.
- CD-0, Approve Mission Need (FY18). RL has not begun process.
- CD-0 to CD-1, Approve Alternative Selection and Cost Range (FY18-20). RL has not begun process.

- A number of items are listed in the PW 1/3/6 RD/RA Work Plan for FY16-19. Would DOE confirm in the meeting minutes if any of these activities have been started and if any funds have been spent to date on these items?
 - Request and Obtain Project Funding (FY16-18). RL has not requested project funding.
 - CD-0, Approve Mission Need (FY18). RL has not begun process.
 - CD-0 to CD-1, Approve Alternative Selection and Cost Range (FY18-20). RL has not begun process.
- Please note that EPA has not agreed to any delays in this schedule and expects the RD/RA WP schedule to be followed since it is an enforceable part of the remedial action work plan. Any proposed changes to the schedule need to be discussed in a timely manner.
- EPA wants to have monthly meetings on PW 1/3/6 moving forward to discuss the schedule. The outcomes of these meetings will need to be documented.

Regulatory Agency Comments: Monthly status meeting with Emy will be scheduled.

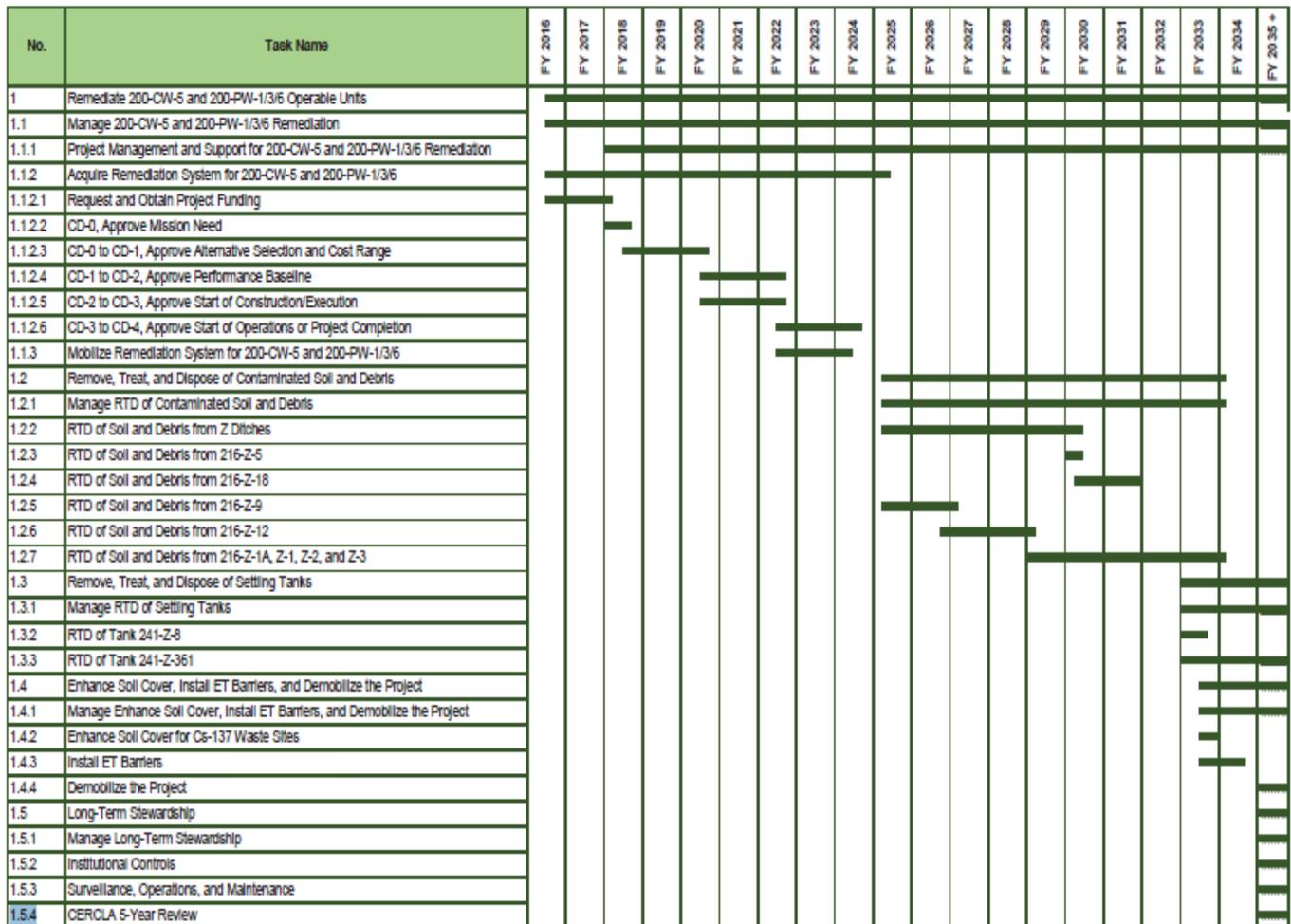


Figure 7-1. RA Schedule for the 200-CW-5, 200-PW-1, 200-PW-3, and 200-PW-6 OUs

DOE/RL-2015-23, REV. 0

7-4

1

2

200 AREA PROJECT MANAGERS MEETING
Milestones and O.U. Status
July – August, 2019 Data
September 19, 2019

U Plant Canyon EPA Lead (RL – Robert Long, CHPRC – TBD)

- Nothing to report.

Regulatory Agency Comments: None

Canyon Facilities EPA/Ecology Lead (RL – Robert Long, CHPRC – Bob Cathel)

- B Plant: EE/CA comments received from Ecology, working on comment resolution/incorporation.
- 224B: RAWP and SAP Draft A are being finalized for submittal to Ecology.
- REDOX: Revision 1 to the RAWP and SAP are in internal review.
- PUREX: EE/CA public comments received and responses are being drafted. Once drafted the responses will be incorporated into the AM.
- PUREX Tier 2 Buildings/Facilities: RAWP and SAP are in internal review. Rebinning effort for various facilities is complete and documented in two TPA Change Notices (TPA-CN-0860 and -0861) and one TPA Change Control Form (J-19-01).
- PUREX Tier 2 Buildings/Facilities: RAWP and SAP are in internal review.

Regulatory Agency Comments: None

200-DV-1- Ecology Lead (RL – Kate Amrhein, CHPRC – Mark Byrnes)

- Met with Ecology on August 13, 2019 to brief them on the disposition of their comments on the 200-DV-1 Technology Evaluation and Treatability Studies Assessment for the Hanford Central Plateau Deep Vadose Zone. Ecology agreed with the comment resolution and to revise the 200-DV-1 Work Plan schedule to include a decision point on whether additional field-testing is needed after the completion of the remedial investigation on planned laboratory studies.
- Completed the 200-DV-1 Laboratory Test Plan (DOE/RL-2019-28, Rev. 0) on August 22, 2019.
- Met with Ecology to discuss the Deep Vadose Zone Perched Water Conceptual Model and the Vadose Zone Groundwater contamination in the C Tank Farm on August 14, 2019. Topics covered included:
 - Brief overview of the perched zone history
 - Geologic Model
 - Contamination and Conceptual Model
 - 200-DV-1 Characterization Results
 - Field Testing Results
- Met with EPA and Ecology on July 15, 2019 to kick-off the Data Quality Objectives process supporting improved 200-DV-1 Perched Water Recovery. The meeting discussed options for well installation that would provide increased mass recovery from the perched zone.
- A total of 1,249,818 gallons have been pumped from the perched water wells YE-28, YE-29 and YE-30 to date (August 31, 2019), with 219,000 gallons pumped between January 2019 through August 2019.

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Year	Duration	Perched Water Extracted (gal)	Uranium Removed (kg)	Technetium-99 Removed (g [Ci])	Nitrate Removed (kg as NO ₃)
2012	08/2011 - 09/2012	65,167	12	0.37 (6.3×10 ⁻³)	131
2013	10/2012 - 09/2013	92,303	13.1	0.74 (1.3×10 ⁻²)	202.6
2014	10/2013 - 09/2014	75,620	24.1	0.59 (1.0×10 ⁻²)	137.2
2015	10/2014 - 09/2015	68,065	19.3	0.41 (7.0×10 ⁻³)	112.2
2016	10/2015 - 12/2016	59,289	11.2	0.36 (6.1×10 ⁻³)	195
2017	01/2017 - 12/2017	334,000	77.5	2.67 (4.5×10 ⁻²)	1,970
2018	01/2018 - 12/2018	380,000	74	2.87 (4.9×10 ⁻²)	1,606
2019	01/2019 - 08/2019	219,000	38.2	1.50 (2.5×10 ⁻²)	816
Totals	08/2011 - 08/2019	1,249,818	268.4	9.44 (1.6×10⁻¹)	5,169

Regulatory Agency Comments: Clarify with Dib Goswami the status of the Treatability Test Evaluation Report.

Deep Vadose Zone Treatability Studies- EPA Lead (RL –Kate Amrhein, CHPRC – Dave St John)

- All subsequent work is being performed as part of 200-DV-1 OU associated with the Treatability Test Evaluation Report. This item will be removed from the next PMM Agenda.

Regulatory Agency Comments: None

200-EA-1- Ecology Lead (RL- Doug Hildebrand, CHPRC – Dave St John)

- Closed Ecology comments 19 & 22 (PCB/congener related) and associated text modifications on July 11, 2019, based on IAMIT Agreement 2019-003, signed June 20, 2019.
- Closed Ecology comments 9 and 10 (recharge related) and associated text modifications on July 22, 2019, based on IAMIT Agreement 2019-004, signed July 17, 2019.
- Received ECY's concurrence that all comments on the RI/FS Work Plan except comment 30.
- Continue discussions on Ecology's comment 30 (schedule related); general agreement is to update Figure 6-1 schedule following the 200 Area Central Plateau agreement-in-principle discussions.
- Obtained DOE and ECY's signature on Appendix A (SAP). Received additional input from EPA in early September regarding concerns in the SAP approach; EPAs signature is on hold pending resolution of this concern.

M-015-92B: Submit RFI/CMS & RI/FS Report and Proposed Corrective Action Decision/Proposed Plan for the 200-EA-1 OU (Central Plateau 200 East Inner Area) to Ecology.

11/30/22

- Status: At risk. WP is not approved.

Regulatory Agency Comments: None

200-IS-1 - Ecology Lead (RL- Doug Hildebrand, CHPRC – Dave St John)

- Conducted 200-IS-1 RI/FS Work Plan CHPRC project team kick-off meeting on August 15, 2019 as DOE understood 200-EA-1 RI/FS Work Plan was nearing completion.
- Initiated scoping research on three potential waste sites

200 AREA PROJECT MANAGERS MEETING
Milestones and O.U. Status
July – August, 2019 Data
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M-015-112: Submit Draft B, 200-IS-1 OU Pipeline System Waste Sites RFI/CMS/RI/FS work plan to Ecology, including a schedule of completion dates for major tasks and deliverables, 11/30/2020.

- Status: At risk. Change Control Form M-15-17-03 identified this interim milestone's due date based on the assumption that the WP scope would be initiated immediately following completion and regulatory approval of 200-EA-1 RI/FS WP. DOE and ECY assumed the 200-EA-1 RI/FS WP would be approved by 9/2018.

Regulatory Agency Comments: None

200-SW-2 Ecology Lead (RL- Doug Hildebrand, CHPRC – Dave St John)

- No actions were performed in FY2019 due to funding.

M-015-93C: Initiate characterization fieldwork for the 200-SW-2 Operable Unit landfills in accordance with the schedule in the approved RI/FS/RFI/CMS Work Plan.

- Status: Dispute resolution. At the May 16, 2019 IAMIT, Ecology stated they would not be issuing a Director's Determination but would like to work resolution via the Budget AIP and TA. The Parties met to discuss and review the draft Budget AIP and TA. On June 24, 2019, DOE signed the AIP and provided it to Ecology. On July 3, 2019, Ecology stated the AIP is on hold pending DOE's response to an Ecology letter regarding budget impacts. On July 10, 2019, Ecology issued letter 19-NWP-109 to DOE requesting additional information regarding budget impacts. On September 9, 2019, RL requested Ecology to reconsider approving the Budget AIP to begin negotiating the milestones impacted by the FFY 2018 and 2019 budget via RL letter 19-AMRP-0074. Awaiting Ecology's response.

Regulatory Agency Comments: None

200-SW-1/NRDWL Ecology Lead (RL- Doug Hildebrand, CHPRC- Dave St John)

- Initiated contractor review of the Construction Quality Assurance (CQA) framework document for the NRDWL cap on June 24, 2019
- Finalizing the storm water calculation being prepared by the Independent Qualified Registered Professional Engineer (IQRPE).

Regulatory Agency Comments:

200-OA-1 (Outer Area), 200-CW-1, and 200-CW-3 EPA Lead (RL- Jim Hanson, CHPRC – Deborah Singleton)

- Not funded in FY19.

M-015-38B Submit FS/PP for 200-CW-1, 200-CW-3 and 200-OA-1 OUs.

Due 07-31-2023

- Status: On schedule if funded in FY20.

Regulatory Agency Comments: None

200-BC-1 and 200-WA-1 EPA Lead (RL- Joe Axtell, CHPRC – Dave St John)

- Completed Electro Resistivity Tomography (ERT) survey at 216-U-5 and 216-U-6 in the U-Plant area.
- Initiated the preparation of the ERT survey report for 216-U-5 and 216-U-6 survey.
- Initiated planning activities for survey to be conducted at 216-U-1/2 and 216-U-16 during early FY20.

M-015-98: Complete remedial investigation of U Plant related waste sites located in 200-WA-1 in accordance with the WA-1 RI/FS Work Plan.

Due 06-30-2019

- Status: Dispute resolution at the PM level.

M-015-99: Complete remedial investigation of PFP related waste sites located in 200-WA-1 in accordance with the 200-WA-1 and 200-BC-1 RI/FS Work Plan.

Due 12-31-2019

- Status: Dispute resolution at the PM level.

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M-015-84 Complete RI of 200-WA-1 and 200-BC-1 Waste Sites in Accordance with RI/FS Work Plan.

Due 12-31-2021

- Status: Dispute resolution at the PM level.

M-015-91B Submit FS/PP for the 200-BC-1/200-WA-1 OUs to EPA.

Due 07-31-2023

- Status: Dispute resolution at the PM level.

Regulatory Agency Comments: None

200-BP-5 and 200-PO-1 Ecology Lead (RL – Naomi Jaschke, CHPRC – Chris Cearlock)

- Completed comment resolution with Ecology on the Draft A, 200-BP-5/200-PO-1 Feasibility Study (FS) that supports the Interim Action Record of Decision on July 15, 2019. Provided the Draft Rev. 0 200-BP-5/PO-1 FS to Ecology on August 27, 2019 for checking.
- Received Ecology technical comments on the Draft A redline, 200-BP-5/200-PO-1 Proposed Plan on August 12 and 14, 2019.
- Completed construction for monitoring well 299-E28-34 on July 18, 2019.

Regulatory Agency Comments: None

200-BP-5 Removal Action (RL- Naomi Jaschke, CHPRC-Chris Cearlock)

- A total of over 56 million gallons of groundwater have been pumped from the BP-5 extraction wells in calendar year 2019.

Groundwater Extracted (millions of gallons)			Total Groundwater Extracted (millions of gallons) - 2019	Total Groundwater Extracted - September 2015 through August 2019 (millions of gallons)
Well	Jul-19	Aug-19		
299-E33-268 (YE27)	-	-	-	57
299-E33-360 (YE31)	5.1	5.1	46.3	176.6
299-E33-361 (YE-32)	2.3	2.3	9.8	9.8
Total	7.4	7.4	56.1	243.4

*Data through August 31, 2019.

Regulatory Agency Comments: None

200-UP-1 EPA Lead (RL – Kate Amrhein, CHPRC –Chris Cearlock, PNNL-M. Truex [I-129])

- Provided the Draft Rev.0 Remedial Design Remedial Investigation Report for the 200-UP-1 Operable Unit Southeast Chromium Plume (DOE/RL-2017-60) to EPA on July 25, 2019 for checking.
- Completed construction of monitoring well 299-W20-1 on August 6, 2019.

Regulatory Agency Comments: None

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

- Met with RL on August 26, and August 29, 2019 to discuss the approach for drilling five new 200-ZP-1 extraction wells and 4 new Ringold A characterization wells in FY2020. A walk down/staking of the proposed well locations is planned for September 3, 2019 for the new extraction wells.
- Completed the Draft 200-ZP-1 Optimization Study Plan on August 26, 2019. The plan is on schedule to provide to EPA for review in early September 2019.
- A meeting with EPA is planned for September 5, 2019 to review the 200 West P&T 2nd Quarter CY2019 performance and brief them on the 200-ZP-1 Optimization Plan for their review.

Regulatory Agency Comments: None

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M-024 Well Installation *Ecology Lead (RL-Kathy Higgins, CHPRC-Dave Capelle)*

M-024-70: Complete the Construction of All Wells Listed for CY19 and Before.

- Status: Due 12-31-2019, Completed.

M-024-70-T01: Conclude Discussions of Well Commitments Initiated Under M-024-58.

- Status: Due 08-01-2019, Completed

Regulatory Agency Comments: None

200 Area RCRA TSD Closures *Ecology Lead (RL – Mostafa Kamal, CHPRC – Dave St John)*

- General
 - Ecology provided Coordinated Closure template modifications to DOE on July 24, 2019, with discussions held during the same day's PPMT meeting (modifications associated with Section H3).
 - DOE and Ecology reached agreement on template modifications revisions on August 9, 2019.
 - Agreement reached for DOE to implement this agreed text modification into the uncertified Closure Plans; Ecology will make the same modifications on the Closure Plans already certified.
- 216-A-29 Ditch Closure Plan:
 - Frozen by Ecology on April 25, 2019
 - Certification is on hold pending the 'freeze' of 216-B-3, 216-S-10, and 216-B-63 Closure Plans.
- 216-B-3 Pond Closure Plan
 - On hold, pending Ecology's input regarding their Table H1 concern.
- 216-S-10 Pond and Ditch Closure Plan
 - Received Ecology comments on July 11, 2019; resolved documents on same day during team meeting.
 - Submitted updated Closure Plan, incorporating comment resolutions, to Ecology on August 6, 2019, to confirm comment capture
 - Received Ecology request to modify Sections H1 and H3 (template modifications) on August 7, 2019.
 - Submitted updated Closure Plan, incorporating these additional requests, to Ecology on August 21, 2019, to confirm comment capture.
 - Received Ecology request to modify Table H1 (regarding the D001 and WT02 waste codes and associated constituents) on August 22, 2019.
 - Developing response and associated text updates addressing Ecology's new Table H1 comment.
- 216-B-63 Trench Closure Plan
 - Provided Ecology with the requested conveyance details during the August 8, 2019, team meeting; Ecology requested time to review the materials and request further details of conveyance from B Plant to 200-E-191-PL.
- 241-CX Tank System Closure Plan:
 - Submit updated Closure Plan, incorporating comment resolutions, to Ecology on July 11, 2019, to confirm comment capture.
 - Received Ecology comment on July 18, 2019.
 - Resubmitted updated Closure Plan, addressing comment and also incorporating template modifications, on August 14, 2019, for a 2nd confirm comment capture.
 - Received Ecology's confirmation on August 26, 2019, and proceeded with the CHPRC and DOE certification process.
 - Submitted certified Closure Plan to Ecology on September 3, 2019.
 - Received Ecology's informal 'lockdown' on September 5, 2019.

M-037-10: Complete Unit-Specific Closure Requirements according to the closure plan(s) for six (6) TSD Units: 207-A South Retention Basin, 216-A-29 Ditch, 216-A-36B Crib, 216-A-37-1 Crib, 216-B-63 Trench, and Hexone Storage and Treatment Facility (276-S-141/142).

- Status: Due 09-30-2020, In Abeyance
- Tentative agreement approved 8/26/19 (reference AR-02855). The 30-day notice of public comment issued for 45-day public comment period to run between October 14-November 29, 2019.

200 AREA PROJECT MANAGERS MEETING
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M-037-11: Complete unit-specific closure requirements for two (2) TSD Units: 216-B-3 Main Pond system and 216-S-10 Pond and Ditch Status: Due 09-30-2020, At risk. Currently under negotiation in accordance with 19-AMRP-0066 (AR-02713). Tentative agreement on TPA revisions in response to the coordinated closure negotiations.

- Status: Due 09-30-2024, In Abeyance.
- Tentative agreement approved 8/26/19 (reference AR-02855). The 30-day notice of public comment issued for 45-day public comment period to run between October 14-November 29, 2019.

M-037-13: Complete Unit-Specific Closure Requirements according to the closure plan-241-CX Tank System (241-CX-70/71/72).

- Status: Due 09-30-2022, In Abeyance.
- Tentative agreement approved 8/26/19 (reference AR-02855). The 30-day notice of public comment issued for 45-day public comment period to run between October 14-November 29, 2019.

Regulatory Agency Comments: None

Waste Site Removal *Ecology Lead (RL- Mark French, CHPRC – Darin Corriell)*

- Submitted to Ecology the three year rolling prioritized schedule as described in TPA milestone M-016-250D on March 27, 2019.

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, March 31, 2016, and annually thereafter.

- Status: Complete on 3/27/2018 M-016-250D, due 3/31/2019.
- Change Control Form M 16-18-04 in dispute with EPA
- CCF M-16-18-01 in dispute with Ecology.

Regulatory Agency Comments: None

Monthly Performance Report Assessment

The DOE project managers have not identified any significant issues with CHPRC's previous Monthly Performance Report to be addressed at this meeting.

200 AREA PROJECT MANAGERS MEETING
Milestones and O.U. Status
July – August, 2019 Data
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Central Plateau Milestones

MS#	Title	Due Date
Fiscal Year 2018		
M-015-93C	Initiate characterization field work for the 200-SW-2 OU	9/30/2018 Dispute Resolution
M-016-255	DOE shall complete the removal of all waste sites for FY2018 as identified in TPA Change Package M-16-17-01.	9/30/2018 Dispute Resolution
Fiscal Year 2019		
M-024-69	Complete construction of all wells listed for CY18 and before as listed in M-24-15-01	12/31/2018 Completed 05/31/2017
M-016-256	DOE shall complete the removal of all waste sites for FY2019 as identified in TPA Change Package M-16-17-01.	9/30/2019 Dispute Resolution
M-015-21A	Submit BP-5/PO-1 FS/PP for Interim ROD	3/31/2019 Completed
M-015-98	Complete remedial investigation of U Plant related waste sites located in 200-WA-1 in accordance with the WA-1 RI/FS Work Plan	6/30/2019 Dispute Resolution
M-024-70-T01	Concluded discussions of well commitments initiated under M-024-58.	08/01/2019 Completed
M-085-70	Submit RI/FS Work Plan for 200-CB-1	9/30/2019 Dispute Resolution
M-024-70	Complete the construction of all wells listed for CY19 and before	12-31-2019 Completed
Fiscal Year 2020		
M-015-99	Complete remedial investigation of PFP related waste sites located in 200-WA-1 in accordance with the 200-WA-1 and 200-BC-1 RI/FS Work Plan.	12/31/2019 Dispute Resolution
M-024-71-T01	Conclude discussions of well commitments initiated under M-024-58	8/1/2020 On Schedule
M-037-10	Complete Unit-Specific Closure Requirements according to the closure plan(s) for six (6) TSD Units: 207-A South Retention Basin, 216-A-29 Ditch, 216-A-36B Crib, 216-A-37-1 Crib, 216-B-63 Trench, and Hexone Storage and Treatment Facility (276-S-141/142).	09/30/2020 At Risk
M-085-72	Submit RAWP to implement the approved Action Memorandum for 224-B	9/30/2020 On Schedule
M-085-80	Submit RI/FS Work Plan for 200-CP-1	9/30/2020 Dispute Resolution
M-085-100	Submit a RAWP to implement the approved Action Memorandum for 224-T	9/30/2020 On Schedule
M-037-10	Complete Unit-Specific closure requirements for six TSD units	9/30/2020 In Abeyance
M-015-112	Submit RFI/CMS & RI/FS Work Plan for 200-IS-1 Work Plan to Ecology	11/30/2020 At Risk

200 AREA PROJECT MANAGERS MEETING
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Fiscal Year 2021		
M-024-72	Conclude discussions of well commitments initiated under M-024-58 by August 1, 2021	08/01/2021 On Schedule
M-024-72-T01	Conclude discussions of well commitments initiated under M-024-58 by August 1, 2021.	08/01/2021 On Schedule
M-016-86	Complete remedial actions for 618-11 Burial Ground	9/30/2021 At Risk
M-085-90	Submit RI/FS Work Plan for 200-CR-1	9/30/2021 On Schedule
M-024-71	DOE shall complete the construction of all wells listed for calendar year 2020 and before, as identified in TPA change package M-24-17-01. This milestone series will continue on a yearly basis until such time that the Parties agree that sufficient RCRA and CERCLA groundwater wells are in place and operating to comply with RCRA and CERCLA requirements for groundwater monitoring, groundwater protection, and groundwater remediation. These milestones do not preclude or foreclose the imposition of additional groundwater well installations pursuant to RCRA permits or work plans and/or CERCLA work plans. Additional work or modification to work shall be in accordance with the provisions in Article XXX of the TPA Legal Agreement.	12/31/2020 On Schedule
M-015-84	Complete RI of 200-WA-1 and 200-BC-1 Waste Sites in Accordance with RI/FS Work Plan	12/31/2021 Dispute Resolution
Fiscal Year 2022	Fiscal Year 2022	Fiscal Year 2022
M-024-73-T01	Conclude discussions of well commitments initiated under M-024-58 by August 1, 2022.	08/01/2022 On Schedule
M-037-13	Complete unit-specific closure requirements for 241-CX Tank System (241-CX-70/71/72)	9/30/2022 In Abeyance
M-015-92B	Submit RFI/CMS, RI/FS Study report and Proposed CAD/PP for 200-EA-1	11/30/2022 At Risk
Fiscal Year 2023	Fiscal Year 2024	Fiscal Year 2023
M-015-93B	Submit RFI/CMS & RI/FS Study Report and proposed CAD/PP for 200-SW-2 OU	1/31/2023 At Risk
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 At Risk
M-015-38B	Submit FS/PP for 200-CW-1, 200-CW-3 and 200-OA-1 OUs	7/31/2023 On Schedule
M-015-91B	Submit FS/PP for the 200-BC-1 and 200-WA-1 OUs to EPA	7/31/2023 Dispute Resolution
M-015-110B	Submit CMS & FS and Proposed CAD/PP for 200-DV-1 OU	9/30/2023 On Schedule

200 AREA PROJECT MANAGERS MEETING
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Fiscal Year 2024		
M-016-200A	Complete U Plant canyon demolition	9/30/2024 On Schedule
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 In Abeyance
Fiscal Years 2025-2027		
M-085-76	Initiate response actions for the B Plant geographic area	9/30/2025 On Schedule
M-085-84	Initiate response actions for the PUREX geographic work	9/30/2025 On Schedule
M-085-01	Submit change package to establish a date for major milestone M-085-00	6/30/2026 On Schedule
M-016-200B	Complete U Plant barrier construction	9/30/2027 On Schedule

200 AREA PROJECT MANAGERS MEETING
Milestones and O.U. Status
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<u>Documents Submitted to the AR</u>		
Number	Title	Referencing Document
ECF-200PO1-19-0007_R0	DATA SCREENING PROCEDURE FOR THE WMA A-AX RCRA FIRST DETERMINATION REPORT	DOE/RL-2019-21
ECF-200PO1-19-0008_R0	STATISTICAL EVALUATION OF ASSESSMENT SAMPLING RESULTS FOR WMA-A-AX	DOE/RL-2019-21
ECF-200PO1-19-0033_R0	DATA SCREENING PROCEDURE FOR THE 216-A-29 DITCH RCRA FIRST DETERMINATION REPORT	DOE/RL-2019-27
ECF-200PO1-19-0034_R0	STATISTICAL EVALUATION OF ASSESSMENT SAMPLING RESULTS FOR 216-A-29 DITCH	DOE/RL-2019-27
CP-60070_R0	ENVIRONMENTAL RESTORATION DISPOSAL FACILITY LEACHATE SAMPLING AND ANALYSIS PLAN, FORMERLY WCH-173 REV. 2, REV. 0	DOE/RL-2009-124_R6_DA
DOE/RL-2018-70_R0	OPTIMIZATION PILOT TEST RESULTS OF TREATING WATER FROM MODULAR STORAGE UNITS AT 200 WEST PUMP & TREAT FACILITY	DOE/RL-2009-124_R6_DA
SGW-44181_R0	DATA QUALITY OBJECTIVES SUMMARY REPORT FOR THE DESIGNATION OF WASTES FROM THE 200-ZP-1 OPERABLE UNIT PUMP AND TREAT SYSTEM	DOE/RL-2009-124_R6_DA
SGW-48726_R0	MITIGATION ACTION PLAN FOR THE 200 WEST AREA GROUNDWATER REMEDIATION PROJECT	DOE/RL-2009-124_R6_DA
SGW-51681_R0	GROUNDWATER PUMP AND TREAT FACILITIES PERFORMANCE METRICS	DOE/RL-2009-124_R6_DA
SGW-58972-VA_R0	200 WEST PUMP AND TREAT 1ST QUARTER 2015 BRIEFING	DOE/RL-2009-124_R6_DA
SGW-62894_R0	CYANIDE SAMPLING AT THE 200 WEST PUMP AND TREAT, FY 2016 THROUGH FY 2018	DOE/RL-2009-124_R6_DA
SGW-42604_R0	RESULTS OF TRITIUM TRACKING AND GROUNDWATER MONITORING AT THE HANFORD SITE 200 AREA STATE-APPROVED LAND DISPOSAL SITE FISCAL YEAR 2009	ECF-200W-19-0009_R0
PNNL-28846	CARBON TETRACHLORIDE: EVALUATION OF BIOTIC DEGRADATION MECHANISMS AND RATES	Annual Reports

Approved Change Notices

Number	Title
TPA-CN-0849	DOE/RL-2017-11 is amended to allow flows greater than 568 L/min (150 gpm) to accommodate the addition of Well 299- E33-361 and accelerate groundwater remediation.
TPA-CN-0770	DOE/RL-2016-13, Waste Management Plan for the 200-UP-1 Groundwater Operable Unit, Rev. 0
TPA-CN-0771	DOE/RL-2009-124, 200 West Pump and Treat Operations and Maintenance Plan, Rev. 5
TPA-CN-0841	DOE/RL-2009-39, Investigation-Derived Waste Purgewater Management Action Memorandum, Rev. 0
TPA-CN-0842	DOE/RL-2009-80, Investigation-Derived Waste Purgewater Management Work Plan, Rev. 0
TPA-CN-0844	DOE/RL-2009-124, 200 West Pump and Treat Operations and Maintenance Plan, Rev. 5
TPA-CN-0860	DOE/RL-2010-33, Removal Action Work Plan for Central Plateau General Decommissioning Activities, Rev 0
TPA-CN-0861	DOE/RL-2010-102, Action Memorandum for Decontamination, Deactivation, Decommissioning, and Demolition (D4) Activities for 200 East Tier 2 Buildings/Structures, Rev. 0

Change Control Form J-19-01	Remove, Add, and Align Buildings/Structures in TPA Action Plan, Appendix J
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TRI-PARTY AGREEMENT		
Change Notice Number TPA-CN- 0860	TPA CHANGE NOTICE FORM	Date: July 29, 2019
Document Number, Title, and Revision: DOE/RL-2010-33, <i>Removal Action Work Plan for Central Plateau General Decommissioning Activities, Rev 0</i>		Date Document Last Issued: April 2010
Approved Change Notices Against this Document: TPA-CN-372, -421, -483, -537, -613, -673, -635, -723, -0788, -0805, and -0837		
Originator: R. L. Cathel		Phone: 376-1513
<p>Description of Change: The scope of DOE/RL-2010-33 is amended through the addition of fifteen structures (252A, 252AB 252AC, 292AA, 295AC, 2711A, 295A, 295AA, 295AB, 295AD, 291AA, 291AB, 291AC, 291AH, and 292AB) to the list in Table 1-1.</p> <p>_____ M. French _____ and _____ C.E. Cameron /Theresa Howell _____ 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, <i>Documentation and Records</i>, and not Chapter 12.0, <i>Changes to the Agreement</i>.</p> <p>Table 1-1 is replaced to add fifteen structures. The entire table is replaced to accommodate shifting of the table contents caused by the addition of the fifteen structures..</p> <p>Additions are shown using double <u>underline</u>. Deletions are shown using strikeout.</p> <p>Note: Include affected page number(s): 1-5 through 1-10</p>		
<p>Justification and Impacts of Change:</p> <p>In accordance with the Action Memorandum (DOE/RL-2010-22, Rev 0, Section 1), DOE may add buildings/structures with similar characteristics, contaminants, and complexity, to the scope of the action by adding them to the list of buildings/structures in DOE/RL-2010-33, Table 1-1 after obtaining concurrence from Ecology and EPA.</p> <p>252A, 252AB, and 252AC are electrical substations. 292AA is a metal shed containing inactive and isolated stack sampling and monitoring equipment. 295AC is a small insulated metal building that used to contain PUREX chemical sewer line sampling and monitoring equipment before deactivation activities removed all but electrical distribution equipment. 2711A is an insulated metal building containing drained and isolated air compressors used to supply dry air to PUREX gloveboxes. 295A is an insulated metal building that used to contain PUREX ammonia scrubber discharge sampling and monitoring equipment before deactivation activities drained and removed all but electrical distribution equipment. 295AA is an insulated metal building that used to contain PUREX steam condensate discharge sampling and monitoring equipment before deactivation activities drained and removed all but electrical distribution equipment. 295AB is an insulated metal building that used to contain PUREX process distillate discharge sampling and monitoring equipment before deactivation activities drained and removed all but electrical distribution equipment.</p> <p style="text-align: center;"><i>Continued on Page 2</i></p>		
<p>Approvals:</p> <p><u>M. French</u> DOE Project Manager</p> <p><u>C.E. Cameron</u> EPA Project Manager</p> <p><u>Alex Swift</u> Ecology Project Manager</p>		<p>8/5/19 <input type="checkbox"/> Approved <input type="checkbox"/> Disapproved</p> <p>7/29/19 <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved</p> <p>7/30/19 <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved</p>
		Page 1 of 2

295AD is an insulated metal building that used to contain PUREX sanitary water discharge sampling and monitoring equipment before deactivation activities drained and removed all but electrical distribution equipment. 291AA is an emergency backup air filter that was never used. 291AB and 291AC are one-story wood frame buildings used to sample and monitor exhaust from the PUREX ventilation system; 291AB is currently being used, 291AC is not. 291AH is a metal building that contains ammonia offgas discharge sampling and monitoring equipment. 292AB is a two-story steel frame building currently used for sampling and monitoring of the 291A001 Stack.

The structures meet the criteria for addition to DOE/RL-2010-33 based on the following:

- The structures have not been used for radiological or chemical processing, but could have some incidental contamination based on proximity;
- The structures are suitable for routine decommissioning and/or demolition methods;
- The structures are not addressed by another approved CERCLA decision document or RCRA closure plan for which implementation would eliminate the release or threat of release of hazardous substances to the environment.

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
211B	200E	380
211BA	200E	80
211BA151	200E	10
211BB	200E	10
2125E	200E	100
214A	200E	80
215C	200E	250
217A	200E	80
217B	200E	40
218B	200E	10
219B	200E	10
221A	200E	70
221BA	200E	10
221BC	200E	464
221BD	200E	1,365
221BG	200E	10
221BK	200E	2,988
222B	200E	4,929
2220E	200E	170
2230E	200E	120
2237E	200E	60
2258E	200E	10

Table 1-1. Building / Structure List and Locations

Building/Structure Designation	Area	ERDF Approximate Waste Quantity (ton)
225B-BA	200E	50
225BA	200E	386
225BB	200E	39
225BC	200E	80
225BD	200E	20
225BE	200E	260
225BF	200E	331
225BG	200E	120
225E	200E	1,583
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
241CR271	200E	2,986
241CX40	200E	413
242A81	200E	50
242A-BA	200E	190
242AC	200E	60
242AL11	200E	100
242AL71	200E	10

DOE/RL-2010-33, REV. 0

Table 1-1. Building / Structure List and Locations

Building/Structure Designation	Area	ERDF Approximate Waste Quantity (ton)
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
244AR715	200E	40
2451E	200E	10
246S	200E	100
2506E1	200E	40
2506E2	200E	40
<u>252A</u>	<u>200E</u>	<u>45</u>
<u>252AB</u>	<u>200E</u>	<u>3425</u>
<u>252AC</u>	<u>200E</u>	<u>126</u>
252E	200E	70
2701AB	200E	220
2701EC	200E	30
2701HV	200E	170
2701M	200E	20
2703E	200E	310
2704HV	200E	20,270
2707AR	200E	1,551
271CR	200E	416
<u>2711A</u>	<u>200E</u>	<u>987</u>
2711B	200E	20
2711E	200E	570
2711E66	200E	100
2711E66A	200E	10
2711EA	200E	360
2711EB	200E	360
2711EC	200E	10
2712A	200E	30

Table 1-1. Building / Structure List and Locations

Building/Structure Designation	Area	ERDF Approximate Waste Quantity (ton)
2712B	200E	10
2714A	200E	170
2715B	200E	40
2715EC	200E	80
2715ED	200E	60
2716B	200E	646
2716E	200E	60
2718E	200E	140
2719EA	200E	150
271AB	200E	660
271BA	200E	30
2721E	200E	1,320
2721EA	200E	600
2727E	200E	790
272AW	200E	2,020
272B	200E	140
272BA	200E	80
272BB	200E	70
272E	200E	1,500
272HV	200E	290
2734EA	200E	30
273E	200E	480
274AW	200E	740
274E	200E	310
2750E	200E	8,030
2751E	200E	1,200
2752E	200E	1,200
2753E	200E	1,200
275E	200E	470
275EA	200E	3,280
275E-BA	200E	40
276B	200E	110
277A	200E	260
278AW	200E	150
281A	200E	10
282B	200E	20

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Table 1-1. Building / Structure List and Locations

Building/Structure Designation	Area	ERDF Approximate Waste Quantity (ton)
282BA	200E	20
282E	200E	110
282EA	200E	30
282EB	200E	50
282EC	200E	220
282ED	200E	30
283E	200E	3,070
283EA	200E	230
283E-BA	200E	50
284E	200E	4,810
284EB	200E	1,270
2901A	200E	130
2902B	200E	210
2902E	200E	70
2902HV80	200E	160
2902HV82	200E	140
2902HV83	200E	40
<u>291AA</u>	<u>200E</u>	<u>1,545</u>
<u>291AB</u>	<u>200E</u>	<u>10</u>
<u>291AC</u>	<u>200E</u>	<u>10</u>
291AG	200E	10
<u>291AH</u>	<u>200E</u>	<u>144</u>
291AJ	200E	10
<u>292AA</u>	<u>200E</u>	<u>274</u>
<u>292AB</u>	<u>200E</u>	<u>8296</u>
292B	200E	50
294B	200E	30
<u>295A</u>	<u>200E</u>	<u>219</u>
<u>295AA</u>	<u>200E</u>	<u>157</u>
<u>295AB</u>	<u>200E</u>	<u>442</u>
<u>295AC</u>	<u>200E</u>	<u>223</u>
<u>295AD</u>	<u>200E</u>	<u>366</u>
295AE	200E	30
C8S49	200E	20
C8S77	200E	10
MO029	200E	220

Table 1-1. Building / Structure List and Locations

Building/Structure Designation	Area	ERDF Approximate Waste Quantity (ton)
MO041	200E	150
MO104	200E	110
MO110	200E	10
MO112	200E	80
MO211	200E	50
MO232	200E	150
MO234	200E	740
MO247	200E	150
MO248	200E	150
MO251	200E	150
MO252	200E	150
MO253	200E	150
MO254	200E	150
MO256	200E	150
MO257	200E	150
MO266	200E	150
MO267	200E	150
MO268	200E	150
MO269	200E	150
MO272	200E	130
MO276	200E	1,180
MO277	200E	1,180
MO282	200E	150
MO283	200E	150
MO284	200E	150
MO285	200E	890
MO286	200E	890
MO294	200E	1,180
MO312	200E	20
MO354	200E	100
MO370	200E	10
MO377	200E	40
MO386	200E	148
MO388	200E	150
MO398	200E	20
MO399	200E	30

DOE/RL-2010-33, REV. 0

Table 1-1. Building / Structure List and Locations

Building/Structure Designation	Area	ERDF Approximate Waste Quantity (ton)
MO400	200E	370
MO405	200E	1,110
MO407	200E	370
MO408	200E	220
MO410	200E	220
MO413	200E	590
MO414	200E	890
MO421	200E	20
MO434	200E	150
MO439	200E	60
MO493	200E	230
MO497	200E	60
MO501	200E	20
MO503	200E	10
MO511	200E	140
MO546	200E	20
MO571	200E	60
MO722	200E	150
MO723	200E	150
MO724	200E	150
MO725	200E	150
MO727	200E	30
MO730	200E	50
MO732	200E	150
MO733	200E	120
MO734	200E	150
MO742	200E	20
MO816	200E	30
MO840	200E	60
MO844	200E	60
MO850	200E	230
MO890	200E	10
MO919	200E	110
MO974	200E	40
MO979	200E	150
MO996	200E	110

Table 1-1. Building / Structure List and Locations

Building/Structure Designation	Area	ERDF Approximate Waste Quantity (ton)
MO997	200E	110
MO998	200E	20
TC272HV	200E	70
200CC-BA	200W	40
201W	200W	30
211S	200W	180
211T	200W	200
211T52	200W	10
212S	200W	70
216ZP1A	200W	30
216ZP1	200W	35
216ZP1B	200W	25
216ZP1C	200W	25
218W5-252	200W	10
218W5-252A	200W	10
2120WA	200W	200
2120WB	200W	200
2220W	200W	170
222SA	200W	380
222S-BA	200W	70
222SD	200W	90
222SF	200W	60
222SH	200W	60
222T	200W	1,200
225W	200W	50
2259W	200W	30
225WA	200W	20
225WB	200W	10
2262W	200W	50
2263W	200W	40
2265W	200W	30
2300W	200W	110
2304W	200W	60
2306W	200W	70
2307W	200W	70
2308W	200W	70

DOE/RL-2010-33, REV. 0

Table 1-1. Building / Structure List and Locations

Building/Structure Designation	Area	ERDF Approximate Waste Quantity (ton)
2309W	200W	290
2310W	200W	120
2314W	200W	40
2315W	200W	20
2318W	200W	80
234-5Z-BA	200W	150
2402W	200W	10
2402WB	200W	320
2402WC	200W	320
2402WD	200W	320
2402WE	200W	320
2402WF	200W	320
2402WG	200W	320
2402WH	200W	320
2402WI	200W	320
2402WJ	200W	320
2402WK	200W	320
2402WL	200W	320
241SX281	200W	30
241SX701	200W	40
241SY272	200W	20
241SY276	200W	10
241T701	200W	10
241TX701	200W	10
242T271	200W	10
242T601	200W	80
242TC	200W	10
2420W	200W	20
2506W1	200W	40
252S	200W	60
252W	200W	40
2620W	200W	330
267Z	200W	10
2701-ZC	200W	5
2701-ZE	200W	20
2704S	200W	650

Table 1-1. Building / Structure List and Locations

Building/Structure Designation	Area	ERDF Approximate Waste Quantity (ton)
2707SX	200W	110
2708S	200W	10
2710S	200W	30
2710W	200W	10
2711S	200W	10
2712T	200W	10
2713W	200W	80
2713WB	200W	20
2713WC	200W	140
2715S	200W	20
2715T	200W	50
2715WA	200W	190
2716S	200W	140
2716T	200W	20
2718S	200W	16
2719WB	200W	370
2722W	200W	110
2727W	200W	190
2727WA	200W	190
272S	200W	690
272WA	200W	1,240
272W-BA	200W	50
2724WB	200W	150
2734S	200W	40
273W	200W	480
2740W	200W	890
2754W	200W	370
275W	200W	320
276S	200W	12,621
277T	200W	100
278WA	200W	150
282W	200W	110
282WA	200W	30
282WB	200W	10
282WC	200W	220
282WD	200W	30

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Table 1-2. Building / Structure List and Locations

Building/Structure Designation	Area	ERDF Approximate Waste Quantity (ton)
283W	200W	3,370
283WA	200W	230
283WB	200W	20
283W-BA	200W	50
283WC	200W	60
283WD	200W	30
283WE	200W	80
283WF	200W	30
284W	200W	4,110
284WB	200W	140
285W	200W	10
286W	200W	10
2901S	200W	210
2902W	200W	70
2904SA	200W	10
292T	200W	50
296S012	200W	5
HO-64-5928	200W	5
HS0001	200W	20
HS0002	200W	20
MO011	200W	130
MO014	200W	70
MO015	200W	50
MO016	200W	50
MO017	200W	50
MO027	200W	150
MO028	200W	220
MO031	200W	220
MO032	200W	220
MO037	200W	440
MO039	200W	220
MO107	200W	130
MO223	200W	50
MO235	200W	150
MO240	200W	150
MO244	200W	220

Table 1-2. Building / Structure List and Locations

Building/Structure Designation	Area	ERDF Approximate Waste Quantity (ton)
MO249	200W	150
MO250	200W	150
MO264	200W	150
MO273	200W	740
MO278	200W	740
MO279	200W	740
MO281	200W	1,180
MO287	200W	890
MO288	200W	30
MO289	200W	30
MO290	200W	150
MO291	200W	740
MO295	200W	20
MO406	200W	220
MO409	200W	300
MO412	200W	440
MO428	200W	150
MO429	200W	150
MO432	200W	150
MO433	200W	150
MO437	200W	150
MO438	200W	150
MO444	200W	50
MO446	200W	50
MO450	200W	10
MO459	200W	70

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Table 1-3. Building / Structure List and Locations

Building/Structure Designation	Area	ERDF Approximate Waste Quantity (ton)
MO556	200W	100
MO563	200W	50
MO573	200W	20
MO710	200W	10
MO720	200W	1,180
MO721	200W	300
MO739	200W	40
MO743	200W	440
MO760	200W	120
MO837	200W	50
MO841	200W	100
MO847	200W	20
MO892	200W	110

Table 1-4. Building / Structure List and Locations

Building/Structure Designation	Area	ERDF Approximate Waste Quantity (ton)
MO906	200W	110
MO939	200W	50
MO956	200W	120
MO970	200W	270
MO971	200W	270
X8	200W	10
VB-OSS and VB-E	200W	5
Hanford Steam Lines	200E and 200W	1,200
R13 Structure	200W	8
R17 Structure	200W	8

1.3.2 Release or Threatened Release into the Environment of a Hazardous Substance, Pollutant, or Contaminant

Contaminant sources addressed by this RAWP include both radioactive and chemical hazardous substances.

The primary sources of hazardous substances potentially include, but are not limited to the following:

- Americium-241
- Cesium isotopes
- Cobalt-60
- Europium isotopes
- Strontium-90
- Plutonium isotopes
- Uranium isotopes
- Tritium (in exit signs)
- Asbestos-containing material (ACM)
- Cadmium
- Beryllium
- Lead paint and shielding
- Polychlorinated biphenyls (PCBs) (e.g., light ballasts and surface coatings)
- Mercury (typically found in electrical switches, gauges, thermometers and lighting)

295AB is an insulated metal building that used to contain PUREX process distillate discharge sampling and monitoring equipment before deactivation activities drained and removed all but electrical distribution equipment. 295AD is an insulated metal building that used to contain PUREX sanitary water discharge sampling and monitoring equipment before deactivation activities drained and removed all but electrical distribution equipment. 291AB and 291AC are one-story wood frame buildings used to sample and monitor exhaust from the PUREX ventilation system; 291AB is currently being used, 291AC is not. 291AH is a metal building that contains ammonia offgas discharge sampling and monitoring equipment. 292AB is a two-story steel frame building currently used for sampling and monitoring of the 291A001 Stack.

These thirteen structures are being deleted from the scope of DOE/RL-2010-102 to facilitate demolition under the existing central plateau CERCLA documentation (DOE/RL-2010-33). The structures have not been used for radiological or chemical processing and contamination known to be previously in it has been removed, or process knowledge provides a basis to declare these structures to be suitable for routine demolition methods. Appendix J of the Tri-Party Agreement Action Plan will be revised to address the change.

206A is a reinforced-concrete vault building with a basement housing the vacuum fractionator and associated equipment used for concentrating nitric acid recovered from PUREX and the UO3 Plant. 276A is a concrete vault structure used to store and decontaminate organic solvent. 291AE is a reinforced-concrete building containing HEPA filters. This building is associated with the PUREX ventilation system and is currently in use. 291AK is a metal frame building housing the fire suppressant system for the 202A Canyon air tunnel and has been deactivated.

These four structures are being deleted from the scope of DOE/RL-2010-102 as they have been changed to a facility Tier 1 grouping as physical closure actions must be performed in conjunction with their associated Tier 1 facility disposition. Appendix J of the Tri-Party Agreement Action Plan will be revised to address the change.

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Building/Structure List

Table A-1 lists those 200 East Area Tier 2 buildings/structures in the scope of this non-time-critical removal action.

Table A-1. 200 East Area Tier 2 Building/Structure List

Building/Structure ID	Building/Structure Title	Estimated Waste Quantity (tons)
203A	Acid Pump House	9,778
206A	Vacuum Acid Fractionator Building	4,148
209E	Critical Mass Laboratory (including the 296P031 Stack)	12,581
211A	Chemical Makeup Tank Farm & Pumphouse	940
212A	Fission Product Loadout Station	2,918
212B	Fission Product Loadout, Cask Transfer Building	25,244
213A	Fission Product Load-in Station	1,792
216A	Valve Control Facility	18
221BB	Process Steam and Condensate Building	878
221BF	Air Dryer Building	144
241C801	Cesium Loadout Facility	3,478
241CR271	Cold Chemical Makeup Building	2,986
241CX40	Grout Removal Building	413
242B	Radioactive Particle Research Laboratory	3,708
242BL	Cask Loading Building	1,400
252AB	Electrical Substation	3,425
252AC	Electrical Substation	126

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Table A-1. 200 East Area Tier 2 Building/Structure List

Building/Structure ID	Building/Structure Title	Estimated Waste Quantity (tons)
2707AR	Sludge Vault Change House	1,551
2711A	Air Compressor Building	987
271B	B Plant Support Building	76,482
276A	Cold Solvent Storage Building, R Cell	294
276C	Solvent Handling Building	27,368
291AB	Exhaust Air Sampler House	40
291AC	Exhaust Air Sampler House	40
291AD	Filter Pit and Stack	415
291AE	Filter Cell No. 4	4,463
291AH	AOG Sample Station	144
291AK	Tunnel Spray Enclosure and Caissons	47
291AR	Exhaust Air Filter Stack Building	79
291B	Exhaust Fan Control House and Sand Filter	212
291BA	Exhaust Air Sample House	8
291BB	Instrument Building, A and B Filters	283
291BC	A and B Filters	3,217
291BD	C Filter and Instrument Building	268
291BF	D Filter	115
291BG	D Filter Instrument Building	283
291BH	Instrument Building, E Filter	20
291BJ	B Plant Instrument Building, F Filter	272
291BK	Instrument Building, E and F Filters	223
292AA	PR Stack Sample House	274
292AB	PUREX Gases Effluent Monitoring Building	8,296
293A	Off Gas Treatment Facility	1,383
294A	Off Gas Treatment and Monitoring Station	194
295A	ASD Sample Station	219

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295AA	SCD Sample and Pumpout Station	157
295AB	PDD Sample Station	442
295AC	CSL Sample Station	223
295AD	SWL Sample Station	366
Total Estimated Waste Quantity		<u>214,489</u> <u>178,651</u>

A1.1 Building/Structure Descriptions

This section provides a brief description and history, if available, for each of the buildings/structures listed in Table A-1.

203A Acid Pump House. The 203A storage area is a 37.5 m (123 ft) by 31.4 m (103 ft) by 1.8 m (6 ft) high, reinforced-concrete, diked area surrounding storage tanks used for uranyl nitrate hexahydrate and other acidic solutions. The area is located north of the 202A Building and the 211A liquid chemical tank farm. The area is isolated from utilities and other structures that remained at the end of deactivation. Adjacent to this diked area is the 203A Building, which is a 14.3 m (47 ft) by 4.9 m (16 ft) by 3.7 m (12 ft) high, reinforced-concrete structure used to house pumps and the control room for the 203A storage tanks. A rail car and truck loading/unloading station is located on the west side of this area. To the east of the 203 A area is a 11.0 m (36 ft) by 7.6 m (25 ft) by 6.1 m (20 ft) high metal building used to store empty metal drums. The building is constructed of concrete and is approximately 1,342 m² (14,448 ft²).

~~**206A Vacuum Acid Fractionator Building.** The 206A Vacuum Acid Fractionator Building houses the vacuum fractionators and associated equipment used for concentrating nitric acid from the Plutonium Uranium Extraction (PUREX) and UO₂ Plants. The 206A Building is a reinforced concrete structure located at the northwest corner of U Cell. The outside dimensions are 8 m (28 ft) by 11 m (35 ft) by 14 m (46.5 ft) above grade at its maximum height. Inside the building, a pit containing the condensate tank extends 3 m (10 ft) below grade.~~

209E Critical Mass Laboratory and 296P031 Stack. The 209E Critical Mass Laboratory is located west of the 201C Process Building. The Critical Mass Laboratory is an L-shaped concrete block structure. One wing houses offices, control room shops, and common facilities. The other wing houses an equipment room, change room, mixing laboratory, and a two-story reactor hall. The reactor hall is heavily shielded.

Criticality experiments were conducted in the Critical Mass Room from 1960 to 1983 using plutonium nitrate and enriched uranium solutions. Criticality research was also conducted with solid special nuclear materials and fuels such as plutonium blocks, uranium blocks and slabs, and fuel assemblies from the Fast Flux Test Facility and other reactors. This building is approximately 834 m² (8,979 ft²) and includes the 296P031 Stack.

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241C801 Cesium Load-Out Facility. The 241C801 Cesium Load-Out Facility was built in 1962. When the facility was in operation, cesium-rich waste from tank 241C103 was pumped to an ion exchanger on a trailer. The cesium-depleted waste was returned to tank 241C102. The purpose was to provide load-out capability of cesium, which was independent of the PUREX Plant, thus freeing fission product equipment in PUREX to be devoted to other programs. The building has a total area of approximately 77 m² (832 ft²) and consists of three parts: the load-out room, the operating room, and the valve pit room. The building is reinforced-concrete, partially below grade, with a metal upper section and roof.

242B Radioactive Particle Research Laboratory. The 242B Radioactive Particle Research Laboratory contains the 242B Evaporator and is located immediately south of the 241B Tank Farm. The facility consists of the evaporator reinforced-concrete building and an attached control metal building. This facility disposed of liquid waste to the 216B11A and 216B11B Reverse Wells and the 216B37 Trench. The building is approximately 285 m² (3,067 ft²).

~~**252AB Electrical Substation.** The 252AB Electrical Substation is associated with the PUREX Facility and is approximately 135 m² (1,454 ft²). Substation 252AB supplies 1,500 kVA of electrical power to each of two busses, which in turn provide power to the operating and standby canyon exhaust fans, the 292 AB stack monitoring building, the 291AE No. 4 Filter Building, the 291 A1 monitoring system, and the 217A skid for surveillance and monitoring.~~

~~**252AC Electrical Substation.** The 252AC Electrical Substation is a skid-mounted modular substation associated with the PUREX Facility. The 252 AC station is powered from either of the two 1,500 kVA busses through an automatic transfer switch and supplies 750 kVA of electrical power to dedicated surveillance lighting throughout the PUREX Facility. This building is approximately 4.7 m² (51 ft²).~~

271B B Plant Support Building. The 271B B Plant Support Building is a concrete and concrete block three-story building with basement and penthouse over the stair tower and a penthouse over the elevator. This building is approximately 2,309 m² (24,857 ft²).

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~~**276A Cold Solvent Storage Building.** The 276A Cold Solvent Storage Building associated with the PUREX Plant ventilation system. The 276A Building (R cell) is a 19.8 m (65 ft) by 7 m (23 ft) by 10.7 m (35 ft) high concrete structure (vault), built below grade, with removable concrete cover blocks extending above grade to form the building roof. R cell provided organic solvent decontamination and storage. Currently, R cell is accessed through the 202A sample gallery (R cell centrifuge platform) or through the Product Recovery (PR) corridor (R cell vault floor). This building is approximately 29 m² (314 ft²).~~

276C Solvent Handling Building. The 276C Solvent Handling Building contained equipment and tanks for the treatment and storage of process solvents used in the 201C Process Building operations. The 276C Solvent Handling Facility is a four-story structure extending approximately 14 m (46 ft) above grade with a total floor area of approximately 213 m² (2,300 ft²). The building is steel framed with metal siding, concrete floors, and a concrete roof. All of the exposed steel framework is covered with 3 cm (1 in.) of heat-resistant plaster.

Equipment used for solvent treatment was located on the first level. The chemical additional tanks were located on the second-level mezzanine. Head tanks and storage tanks for clean solvents were located on the third and fourth levels. Removable panels on the top two levels allowed large equipment to be removed from the building. The head tanks delivered organic feeds by gravity to the 201C Process Building. In addition, a large heating, ventilation, and air conditioning unit was located on the second level. The power control room was attached to the south side of the building. Contamination in the 276C Building was limited to a diluent vessel on the third floor and in the filter housings.

~~**291AE Filter Cell No. 4.** The 291AE Filter Cell No. 4 is an above-ground building associated with the PUREX Plant ventilation system. The 291AE No. 4 filter building is a 37.5 m (123 ft) by 12.5 m (41 ft) by 5.2 m (17 ft) reinforced concrete building, which houses 10 modular filter units, each with upstream and downstream isolation dampers. A typical modular filter unit consists of a stainless steel housing containing an inlet damper, an in place filter testing assembly, a four by three array of high efficiency particulate air (HEPA) filters, an in place filter testing assembly, and an outlet damper. During the S&M phase, three filter arrays will remain in operation, with one remaining in reserve. The remaining filter arrays are not generally ready to be placed into service.~~

~~Two reinforced concrete air ducts are located below the 291AE Building, parallel to each other and running in the north-south direction. The west duct is an inlet air duct connected to the underground air duct from the deep bed Filter No. 2. The east duct is the discharge air duct from the HEPA filter units and connects with the above-ground, reinforced concrete exhaust air plenum. Attached to the south side of the building is a 7.3 m (24 ft) by 3.7 m (12 ft) by 2.7 m (9 ft) high metal building, which houses the mechanical and electrical equipment and is the entrance vestibule for the 291AE Building. This building is approximately 471 m² (5,076 ft²).~~

~~**291AK Tunnel Spray Enclosure and Caissons.** The 291AK Tunnel Spray Enclosure is a small metal frame building associated with the PUREX Plant, located under the 202A stair. This building also contains two caissons for access piping to spray the 202A exhaust air plenums. This building is approximately 3 m² (32 ft²).~~

291AR Exhaust Air Filter Stack Building. The 291AR Exhaust Air Filter Stack Building is a vault, a partially above-grade, and partially below-grade structure associated with the 244AR Building. This building is approximately 13 m² (143 ft²).

291B Exhaust Fan Control House and Sand Filter. The 291B Building consists of air filter systems, ventilation equipment, and an exhaust stack. It is located east of the 222B Building and south of the 221B Building. The retired 291B HEPA filters are located in underground vaults in the 291B area, which is located approximately 46 to 61 m (150 to 200 ft) south of the east end of the 221B Canyon. The vaults are reinforced concrete, with steel filter frames inside. The vaults are covered by approximately 1 m (3.1 ft) of soil and gravel and are bermed with soil and gravel on three sides. The east end has a vacant vault (F vault) east of and adjacent to the last in-service filter (E filter). The A, B, C, D, and E filters were equipped with multiple banks of HEPA filters, and some filters were also equipped with one or more banks of pre-filters. The filters and vaults have been isolated and abandoned in place.

The equipment contained within this complex is used to collect and filter air from the 221B Building before discharging it to the exhaust stack. Radioactive contaminants were present in the exhaust air as a result of various dissolving steps during the fuel processing. This building is approximately 30 m² (330 ft²).

291BH Instrument Building, E Filter. The 291BH Instrument Building is an above-ground concrete shear wall building associated with the B Plant Canyon ventilation system. This building is 2.3 m² (25 ft²).

~~**292AA PR Stack Sample House.** The 292AA PR Stack Sample House is a small steel building containing instrumentation associated with the plutonium recovery stack at the PUREX Plant. This building is approximately 11 m² (117 ft²).~~

~~**292AB PUREX Gases Effluent Monitoring Building.** The 292AB PUREX Gases Effluent Monitoring Building is a steel braced frame building containing monitoring instrumentation associated with the PUREX Plant ventilation system. The 292AB Building is a 10.7 m (35 ft) by 6.1 m (20 ft) by 7.6 m (25 ft) two-story metal building. The second floor is constructed on metal grate, with a metal plate over approximately 80 percent of the floor area. The building is an enclosure for stack sampling equipment. This building is approximately 142 m² (1,531 ft²).~~

293A Off Gas Treatment Facility. The 293A Off Gas Treatment Facility is a concrete building containing off gas scrubber equipment for treating PUREX Plant off gases. The building is approximately 83 m² (899 ft²).

~~**295AA Steam Condensate Discharge (SCD) Sample and Pumpout Station.** The 295AA SCD Sample and Pumpout Station is a small steel building that supported PUREX Plant operations. This building was originally designated as 216Z9D in 200 West, at the Plutonium Finishing Plant. The building was salvaged in 1983 and installed as 295AA at PUREX in 1985. This building is approximately 8 m² (85 ft²).~~

Typical Light Steel Frame Building. These buildings are pre-engineered and/or prefabricated with transverse rigid frames, and are usually one story. The roof and walls consist of insulated steel roof and wall panels. The frames are designed often with tapered beam and column sections built up of light plates. The frames are built in segments and assembled in the field with bolted or welded joints. Interior walls are usually metal studs, and gypsum wallboard partitions. Buildings that fall into this generic category include the following:

- **221BD Laundry Storage Building.** The 221BD Laundry Storage Building is part of the B Plant Complex and is approximately 56 m² (608 ft²).
- **221BK B Plant Canyon Ventilation Instrument Building.** The 221BK B Plant Canyon Ventilation Instrument Building is associated with the B Plant Canyon ventilation system and is approximately

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114 m² (1,230 ft²). The B Plant Canyon exhaust system is monitored and controlled from a programmable logic controller located in the 221BK Building.

- **225BF Air Dryer Building.** The 225BF Air Dryer Building is associated with the WESF ventilation system and is approximately 12 m² (128 ft²).
- **242BL Cask Loading Building.** The 242BL Cask Loading Building was built in 1963 to facilitate the transfer of radioactive materials to and from the 242B Facility. The building is a typical steel light frame structure associated with the 241B Tank Farm and is approximately 45 m² (480 ft²).
- ~~**2711A Air Compressor Building.** The 2711A Air Compressor Building is associated with the PUREX Facility and is approximately 37 m² (400 ft²).~~
- **2716B Radiation Monitor (RM) Checkout Station, Railroad (RR) Tunnel.** The 2716B RM Checkout Station, RR Tunnel is associated with the B Plant Complex and is approximately 22 m² (240 ft²).
- **291BC “A and B” Filters Building.** The 291BC “A and B” Filters Building is associated with the B Plant Canyon ventilation system and is 84 m² (901 ft²).
- **291BD “C” Filter and Instrument Building.** The 291BD Filter and Instrument Building is associated with the B Plant Canyon ventilation system and is 12 m² (137 ft²).
- **291BF “D” Filter.** The 291BF “D” Filter Building is a typical steel light frame structure associated with the B Plant Canyon ventilation system, and includes the fourth filter vault and supporting instrument building. This building is 6 m² (64 ft²).
- **291BG “D” Filter Instrument Building.** The 291BG “D” Filter Building is a typical steel light frame structure associated with the B Plant Canyon ventilation system. This building includes the compressor building, fifth filter vault, and supporting instrument building. This building is 11 m² (126 ft²).
- **291AD Filter Pit and Stack.** The 291AD Filter Pit and Stack is associated with the PUREX Facility and is approximately 16 m² (173 ft²).
- **291BB Instrument Building, “A and B” Filters.** The 291BB Instrument Building is associated with the B Plant Canyon ventilation system and is approximately 13 m² (144 ft²).
- **291BJ B Plant Instrument Building, “F” Filter.** The 291BJ B Plant Instrument Building is a typical steel light frame structure associated with the B Plant Canyon ventilation system and is approximately 13 m² (144 ft²).
- **291BK Instrument Building, “E and F” Filters.** The 291BK Instrument Building is associated with the B Plant Canyon exhaust system pressure monitoring. This building is approximately 9.29 m² (100 ft²).
- ~~**291AH Ammonia Off Gas (AOG) Sample Station.** The 291AH AOG Sample Station is associated with the PUREX Plant process ventilation system. This building is approximately 6 m² (64 ft²).~~

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- **294A Off Gas Treatment and Monitoring Station.** The 294A Off Gas Treatment and Monitoring Station is a small steel building associated with the PUREX Plant process ventilation system. This building is approximately 9 m² (96 ft²).
- ~~**295A Ammonia Scrubber Discharge (ASD) Sample Station.** The 295A ASD Sample Station contains instrumentation for monitoring of ASD effluent associated with PUREX Plant process operations. This building is approximately 9 m² (96 ft²).~~
- ~~**295AB Process Distillate Discharge (PDD) Sample Station.** The 295AB PDD Sample Station is a small steel building that supported PUREX Plant operations. This building is approximately 18 m² (192 ft²).~~
- ~~**295AC Chemical Sewer Line (CSL) Sample Station.** The 295AC CSL Sample Station is a small steel building that contains instrumentation associated with the PUREX Plant chemical sewer system. This building is approximately 9 m² (96 ft²).~~
- ~~**295AD Sanitary Water Line (SWL) Sample Station.** The 295AD SWL Sample Station is a small steel building that contains instrumentation associated with the PUREX Plant sanitary water system. This building is approximately 13 m² (144 ft²).~~

Typical Light Wood Frame Building. These buildings are generally wood, light frame structures containing repetitive framing by wood joists on wood studs. Loads are light and spans are small. Exterior walls are usually sheathed with plank siding, stucco, plywood, gypsum board, particle board, or fiberboard. Interior partitions are sheathed with plaster or gypsum board. Roofing is asphalt shingles, composition or built-up roofing system. Buildings that fall into this generic category include the following:

- ~~**291AB Exhaust Air Sampler House.** The 291AB Exhaust Air Sampler House is associated with the PUREX Plant ventilation system and is approximately 4 m² (46 ft²).~~
- ~~**291AC Exhaust Air Sampler House.** The 291AC Exhaust Air Sampler House is associated with the PUREX Plant ventilation system and is approximately 4 m² (46 ft²).~~

Typical Reinforced Structure. These structures are typically cast-in-place concrete beams or columns, and could include below-grade construction or basements. These buildings/structures normally have exterior walls that exceed 0.3048 m (12 in.) in thickness, and are heavily reinforced on minimal centerline spacing. Interior walls will vary depending on bearing and nonbearing requirements. Floor and roof framing system consists of cast-in-place concrete slabs with concrete beams, one-way joists, two-way waffle joists, or flat slabs. Buildings that fall into this generic category include the following:

- **225BA K1 Filter Pit Encapsulation Facility.** The 225BA K1 Filter Pit Encapsulation Facility is associated with the WESF ventilation system and is approximately 59 m² (638 ft²).
- **225BB K3 Filter Pit Encapsulation Facility.** The 225BB K3 Filter Pit Encapsulation Facility is associated with the WESF ventilation system and is approximately 121 m² (1,302 ft²).
- **291BA Exhaust Air Sample House.** The 291BA Exhaust Air Sampler House is associated with the B Plant Canyon ventilation system and is approximately 4 m² (48 ft²).

Change Number J-19-01	Federal Facility Agreement and Consent Order Change Control Form	Date 7/29/2019													
Originator Patty Ensign		Phone 372-3442													
Class of Change <input type="checkbox"/> I – Signatories <input checked="" type="checkbox"/> II – Executive Managers <input type="checkbox"/> III – Project Managers															
Change Title Remove, Add, and Align Buildings/Structures in TPA Action Plan, Appendix J															
Description/Justification of Change This change control form removes 13 buildings/structures (252AB, 252AC, 2711A, 291AB, 291AC, 291AH, 292AA, 292AB, 295A, 295AA, 295AB, 295AC, and 295AD) from the PUREX Geographic Area and adds two Tier 1 buildings/structures (204A and 291AF) due to an inadvertent omission to the PUREX Geographic Area in Table J-1, Central Plateau Facilities and 100 Area Production Reactors, Appendix J. These buildings/structures were used for various activities, including laundry storage, change house, instrumentation, office work, and tanker loadout. The structures have not been used for radiological or chemical processing and contamination known to be previously in them has been removed. The structures are suitable for routine demolition methods and are ready for demolition. (Continued on page 2)															
Impact of Change This change control form modifies Table J-1, Central Plateau Facilities and 100 Area Production Reactors in Appendix J by: <ul style="list-style-type: none"> • Removing 13 buildings/structures (252AB, 252AC, 2711A, 291AB, 291AC, 291AH, 292AA, 292AB, 295A, 295AA, 295AB, 295AC, and 295AD) from the PUREX Geographic Area, • Adding two Tier 1 buildings/structures (204A and 291AF) to the PUREX Geographic Area, • Aligning six buildings (206A, 276A, 291A, 291A001, 291AE, and 291AK) to a facility Tier 1 grouping in the PUREX Geographic Area, and • Adding a new Facility Tier designation footnote: ° Designation is based on the fact that these buildings/structures have changed to a facility Tier 1 grouping as physical closure actions must be performed in conjunction with their associated Tier 1 facility disposition. 															
Affected Documents The Hanford Federal Facility Agreement and Consent Order, as amended, Appendix J, "Central Plateau Facilities and 100 Area Production Reactors."															
<table border="0"> <tr> <td colspan="3" data-bbox="154 1518 1295 1564">Approvals</td> <td data-bbox="1295 1518 1476 1803" rowspan="4" style="text-align: center; vertical-align: middle;"> Page 1 of 5 </td> </tr> <tr> <td data-bbox="154 1564 613 1648">  W. Hamel, DOE-RL </td> <td data-bbox="613 1564 803 1648"> 7/31/19 Date </td> <td data-bbox="803 1564 1295 1648"> Approved <input checked="" type="checkbox"/> Disapproved <input type="checkbox"/> </td> </tr> <tr> <td data-bbox="154 1648 613 1732">  D.R. Einan, EPA </td> <td data-bbox="613 1648 803 1732"> 7/29/19 Date </td> <td data-bbox="803 1648 1295 1732"> Approved <input checked="" type="checkbox"/> Disapproved <input type="checkbox"/> </td> </tr> <tr> <td data-bbox="154 1732 613 1803">  A.K. Smith, Ecology </td> <td data-bbox="613 1732 803 1803"> 7/30/19 Date </td> <td data-bbox="803 1732 1295 1803"> Approved <input checked="" type="checkbox"/> Disapproved <input type="checkbox"/> </td> </tr> </table>			Approvals			Page 1 of 5	 W. Hamel, DOE-RL	7/31/19 Date	Approved <input checked="" type="checkbox"/> Disapproved <input type="checkbox"/>	 D.R. Einan, EPA	7/29/19 Date	Approved <input checked="" type="checkbox"/> Disapproved <input type="checkbox"/>	 A.K. Smith, Ecology	7/30/19 Date	Approved <input checked="" type="checkbox"/> Disapproved <input type="checkbox"/>
Approvals			Page 1 of 5												
 W. Hamel, DOE-RL	7/31/19 Date	Approved <input checked="" type="checkbox"/> Disapproved <input type="checkbox"/>													
 D.R. Einan, EPA	7/29/19 Date	Approved <input checked="" type="checkbox"/> Disapproved <input type="checkbox"/>													
 A.K. Smith, Ecology	7/30/19 Date	Approved <input checked="" type="checkbox"/> Disapproved <input type="checkbox"/>													

Description/Justification of Change (continued)

The structures are being deleted from the scope of DOE/RL-2010-102, Rev 0., *Action Memorandum for Decontamination, Deactivation, Decommissioning, and Demolition (D4) Activities for 200 East Tier 2 Buildings/Structures* (TPA Change Notice TPA-CN-0861 to facilitate demolition under the existing Central Plateau CERCLA documentation (DOE/RL-2010-33 Rev 0 *Removal Action Work Plan for Central Plateau Decommissioning Activities*). These buildings/structures do not belong with Tier 2 structures due to their current states and historical usage (e.g., structures have not been used for radiological or chemical processing). TPA-CN-0860 adds these buildings/structures to the scope of DOE/RL-2010-33 Rev 0, *Removal Action Work Plan for Central Plateau Decommissioning Activities*.

The additional building/structure 204A contains four large tanks and will be dispositioned with the PUREX Tier 1 facility.

The additional building/structure 291AF is being used as a deep-bed filter for the PUREX ventilation system and will be dispositioned with the PUREX Tier 1 facility.

In addition, six buildings (206A, 276A, 291A, 291A001, 291AE, and 291AK) changed to a facility Tier 1 grouping as physical closure actions must be performed in conjunction with their associated Tier 1 facility disposition.

Authorized Changes

Modifications to HFFACO Appendix J, "Central Plateau Facilities and 100 Area Production Reactors," are denoted by using ~~strikeout~~ to indicate text deletions and double underline to indicate text additions.

Table J-1. Central Plateau Facilities and 100 Area Production Reactors. (7 pages)

Facility Tier	DOE Facility Number	Description	Lead Regulatory Agency	Decision Document Remedial/Removal Action [Tier 1]
PUREX Geographic Area				
1	202A**	PUREX CANYON AND SERVICE FACILITY (200-CP-1 OU)	Ecology	Remedial action
2b	203A**	ACID PUMP HOUSE	Ecology	Action Memorandum for Decontamination, Deactivation, Decommissioning, and Demolition (D4) Activities for 200 East Tier 2 Buildings/Structures (DOE/RL-2010-102)
<u>1c</u>	<u>204A</u>	<u>Acid Storage Vault, U Cell</u>	<u>Ecology</u>	<u>Remedial Action</u>

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Table J-1. Central Plateau Facilities and 100 Area Production Reactors. (7 pages)

Facility Tier	DOE Facility Number	Description	Lead Regulatory Agency	Decision Document Remedial/Removal Action [Tier 1]
2b <u>1c</u>	206A	VACUUM ACID FRACTIONATOR BUILDING	Ecology	Action Memorandum for Decontamination, Deactivation, Decommissioning, and Demolition (D4) Activities for 200 East Tier 2 Buildings/Structures (DOE/RL-2010-102) <u>Remedial action</u>
2b	211A**	CHEMICAL MAKEUP TANK FARM & PUMPHOUSE	Ecology	Action Memorandum for Decontamination, Deactivation, Decommissioning, and Demolition (D4) Activities for 200 East Tier 2 Buildings/Structures (DOE/RL-2010-102)
2b	212A	FISSION PRODUCT LOADOUT STATION	Ecology	
2b	213A	FISSION PRODUCT LOADIN STATION	Ecology	
2b	216A	VALVE CONTROL FACILITY	Ecology	
TBD	217A	SAMCONS SURVEILLANCE FOR PUREX BLDG.		
2b	252AB	ELECTRICAL SUBSTATION	Ecology	Action Memorandum for Decontamination, Deactivation, Decommissioning, and Demolition (D4) Activities for 200 East Tier 2 Buildings/Structures (DOE/RL-2010-102)
2b	252AC	ELECTRICAL SUBSTATION	Ecology	
2b	2711A	AIR COMPRESSOR BUILDING	Ecology	
2b <u>1c</u>	276A	COLD SOLVENT STORAGE BUILDING, R CELL	Ecology	Action Memorandum for Decontamination, Deactivation, Decommissioning, and Demolition (D4) Activities for 200 East Tier 2 Buildings/Structures (DOE/RL-2010-102) <u>Remedial action</u>
TBD <u>1c</u>	291A	EXHAUST AIR FILTER AND STACK PLENUM		<u>Remedial action</u>
TBD <u>1c</u>	291A001	STACK 202A MAIN PUREX		<u>Remedial action</u>
2b	291AB	EXHAUST AIR SAMPLER HOUSE	Ecology	Action Memorandum for Decontamination, Deactivation, Decommissioning, and Demolition (D4) Activities for 200 East Tier 2 Buildings/Structures (DOE/RL-2010-102)
2b	291AC	EXHAUST AIR SAMPLER HOUSE	Ecology	

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Table J-1. Central Plateau Facilities and 100 Area Production Reactors. (7 pages)

Facility Tier	DOE Facility Number	Description	Lead Regulatory Agency	Decision Document Remedial/Removal Action [Tier 1]
2b	291AD	FILTER PIT AND STACK	Ecology	Action Memorandum for Decontamination, Deactivation, Decommissioning, and Demolition (D4) Activities for 200 East Tier 2 Buildings/Structures (DOE/RL-2010-102)
2b1c	291AE	FILTER CELL NO. 4	Ecology	Action Memorandum for Decontamination, Deactivation, Decommissioning, and Demolition (D4) Activities for 200 East Tier 2 Buildings/Structures (DOE/RL-2010-102) <u>Remedial action</u>
<u>1c</u>	<u>291AF</u>	<u>#2 Filter and Drain Tank</u>	<u>Ecology</u>	<u>Remedial action</u>
TBD	291AG	SAMPLE STATION #2		
2b	291AH	AOG SAMPLE STATION	Ecology	Action Memorandum for Decontamination, Deactivation, Decommissioning, and Demolition (D4) Activities for 200 East Tier 2 Buildings/Structures (DOE/RL-2010-102)
TBD	291AJ	SAMPLE STATION #3		
2b1c	291AK	TUNNEL SPRAY ENCLOSURE AND CAISSONS	Ecology	Action Memorandum for Decontamination, Deactivation, Decommissioning, and Demolition (D4) Activities for 200 East Tier 2 Buildings/Structures (DOE/RL-2010-102) <u>Remedial action</u>
2b	291AR	EXHAUST AIR FILTER STACK BUILDING	Ecology	Action Memorandum for Decontamination, Deactivation, Decommissioning, and Demolition (D4) Activities for 200 East Tier 2 Buildings/Structures (DOE/RL-2010-102)
2b	292AA	PR STACK SAMPLE HOUSE	Ecology	
2b	292AB	PUREX GASES EFFLUENT MONITORING BUILDING	Ecology	
2b	293A	OFF GAS TREATMENT FACILITY	Ecology	
2b	294A	OFF GAS TREATMENT AND MONITORING STATION	Ecology	
2b	295A	ASD SAMPLE STATION	Ecology	
2b	295AA	SCD SAMPLE AND PUMPOUT STATION	Ecology	
2b	295AB	PDD SAMPLE STATION	Ecology	
2b	295AC	CSL SAMPLE STATION	Ecology	
2b	295AD	SWL SAMPLE STATION	Ecology	

Table J-1. Central Plateau Facilities and 100 Area Production Reactors. (7 pages)

Facility Tier	DOE Facility Number	Description	Lead Regulatory Agency	Decision Document Remedial/Removal Action [Tier 1]
<p>** Facility contains a Treatment Storage and Disposal (TSD) unit.</p> <p>^a Designation is based on the fact that an EE/CA has already been developed and not on the results of the graded approach process.</p> <p>^b Designation was completed during development of the EE/CA for 200E Area Tier 2 Buildings/Structures (DOE/RL-2010-54), which constitutes the facility evaluation, as documented in the EE/CA.</p> <p>^c <u>Designation is based on the fact that these buildings/structures have changed to a facility Tier 1 grouping as physical closure actions must be performed in conjunction with their associated Tier 1 facility disposition.</u></p>				

**200 Area Project Managers Meeting
September 19, 2019**

OPEN ACTION ITEM TRACKING

Action #	Action/Subject	Assigned To	Owed To	Assigned Date	Original Due Date	Adjusted Due Date	Status
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