

# 100 & 300 AREA UNIT MANAGERS MEETING (UMM) MAY 21, 2020

Prepared for the U.S. Department of Energy  
Assistant Secretary for Environmental Management

Contractor for the U.S. Department of Energy  
under Contract DE-AC06-08RL14788

**CH2MHILL**  
Plateau Remediation Company

**P.O. Box 1600  
Richland, Washington 99352**



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Date Published  
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**APPROVED**  
*By Sarah Harrison at 3:52 pm, Jun 04, 2020*

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Release Approval

Date

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**100 & 300 AREA UNIT MANAGERS MEETING**  
**May 21, 2020**

**FINAL MEETING MINUTES**

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**100/300 AREA UNIT MANAGERS MEETING**  
**Attachments List**  
**May 21, 2020**

**Minutes of the 100/300 Area Unit Managers Meeting of May 21, 2020 are attached. Minutes are comprised of the following:**

<b>Attachment 1</b>	<b>Agenda</b>
<b>Attachment 2</b>	<b>Attendees Sign-In Sheets</b>
<b>Attachment 3</b>	<b>Signature Approval Page</b>
<b>Attachment 4</b>	<b>100K Area Report</b>
<b>Attachment 5</b>	<b>300 Area Report</b>
<b>Attachment 6</b>	<b>Groundwater Summary by O.U.</b>
<b>Attachment 7</b>	<b>Documents to the AR, Approved TPA CNs</b>
<b>Attachment 8</b>	<b>100-OL-1 Orchard Lands</b>
<b>Attachment 9</b>	<b>Action Items</b>

**100/300 AREA UNIT MANAGERS MEETING  
AGENDA  
May 21, 2019**

**100 Area River Corridor Soils and Sludge & K Basin Summary** (Deborah Singleton/R. Quintero)

**300 Area River Corridor Soils Summary** (Lorna Dittmer/B. Vannah)

**Groundwater Summary by O.U.**

- 100-K Area Groundwater (Ellwood Glossbrenner)
- 100-BC Area Groundwater (Ellwood Glossbrenner)
- 100-N Area Groundwater (Steve Balone)
- 100-D/H Areas Groundwater (John Sands)
- 100-F Area Groundwater (Steve Balone)
- 300 Area Groundwater (John Sands)
- Summary of Hanford Sampling Program
- Documents for the Administrative Record and Approved TPA Change Notices

**100-OL-1 – Orchard Lands** (Johns Sands)

**Action Items**

**Closing Comments**

- Sign concurrence to “Groundwater Summary by O.U.” and “Action Item List” if applicable

**100/300 Area Unit Managers Status Meeting  
May 21, 2020  
Joined via Microsoft Teams**

<b>PRINTED NAME</b>	<b>ORGANIZATION</b>	<b>O.U. ROLE</b>	<b>TELEPHONE</b>
Brian Johnson	ECY		372-7908
Theresa Bergman	CHPRC		376-1669
Randal Fox	CHPRC		373-6024
Ben Simes	EPA		202-564-0527
Andy Wiborg	DOE		376-9238
Shannan Hardziej	WDOH		537-2054
Scott Davis	MSA	TPA	376-8757
Deborah Singleton	CHPRC		373-7689
Laura O'Mara	CHPRC	Admin	373-9763
Dib Goswami	ECY		372-7902
Stephanie Brasher	MSA	TPA	373-6230
Kelly Ebert	DOE		376-7756
Shelley Cimon	ODOE		541-240-0161
Ellwood Glossbrenner	DOE		376-5828
Michael Kruzic	CHPRC		373-7685
Lorna Dittmer	CHPRC		376-7017
Alicia Boyd	ECY		372-7934
Bill Faught	CHPRC		376-3139
Brian Stetter	DOE		376-3535
John Sands	DOE		372-2282
Steve Balone	DOE		376-0236
Laura Buelow	EPA		376-5466
Julie Johanson	CHPRC		373-6031
Manny Lopez-Lopez	DOE		376-7062
Matt St Germain	CHPRC		376-8068
Greg Berlin	MSA		373-7665

**100/300 Area Unit Managers Meeting  
Meeting Minutes Approval  
May 21, 2020**

**APPROVAL:** Mark S. French Digitally signed by Mark S. French  
Date: 2020.06.03 17:17:32 -07'00' **DATE:** \_\_\_\_\_  
**River Corridor Project Manager, DOE/RL**

**APPROVAL:** Michael W. Cline Digitally signed by Michael W. Cline  
Date: 2020.06.02 14:33:15 -07'00' **DATE:** \_\_\_\_\_  
**Groundwater Project Manager, DOE/RL**

**APPROVAL:**  Digitally signed by Welsch, Kim  
(ECY)  
Date: 2020.06.04 06:40:25 -07'00' **DATE:** \_\_\_\_\_  
**Environmental Restoration Acting Project Manager, Ecology**

**APPROVAL:** Buelow, Laura Digitally signed by Buelow, Laura  
Date: 2020.06.04 06:54:30 -07'00' **DATE:** \_\_\_\_\_  
**100 Area Project Manager, EPA**

**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 "Groundwater Summary by O.U." and the "Action Item List". Approval does not apply to the minutes themselves or to any other attachments.**

**100K Area Report**  
**100/300 Area Unit Manager Meeting**  
**May 21, 2020**

**RL-0041 100K Closure Project** – (Manny Lopez-Lopez, Deborah Singleton)

**NOTE: Field work was suspended 3/17/2020 due to COVID-19. 100K Closure Project Status does not include any impacts from COVID-19.**

**TPA Milestone M-016-143**, *Complete the interim response actions for 100 K Area within the perimeter boundary and to the Columbia River for Phase 2 actions. Phase 2 is defined in the 100 K Area RD/RA Work Plans.*

- (9/30/24) – At Risk – Dates will be evaluated after contract transition.

Soil Remediation and Waste Site Closure

- Completed overburden soil removal at the 100-K-47:2 waste site.
- Completed site prep at 100-K-60. Site prep included:
  - removing above ground interferences (railroad ties and rails, utility poles, old fencing) prior to start of remediation.
  - setting up worksite boundary fencing, ropes, and signage.

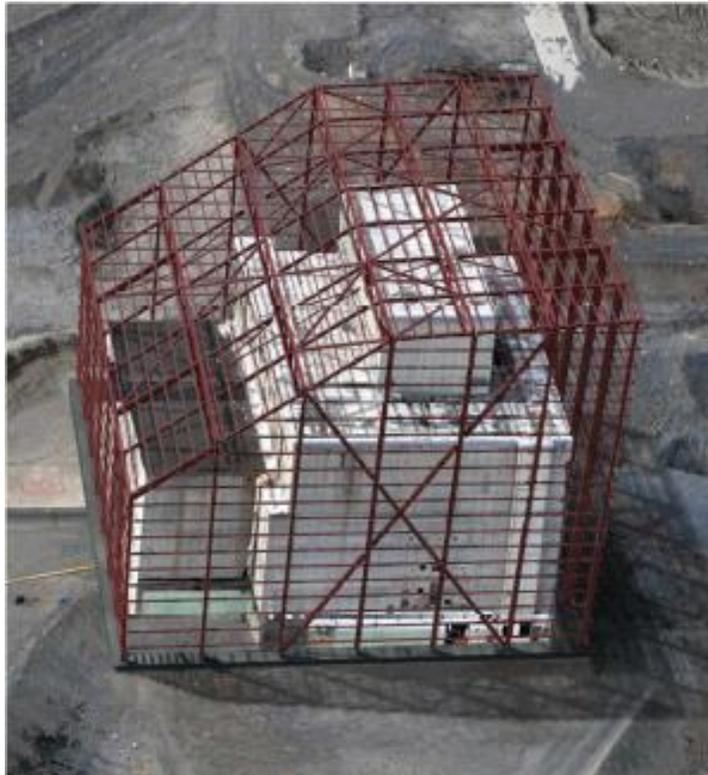
Ancillary Facility Deactivation and Demolition (D&D)

- Completed demolition preparations for 165KE
- Contined demolition of the 166KE Fuel Storage Bunker
  - West day tank demolition is complete
  - West bulk Storage tank demolition is complete
  - East day tank demolition is underway.
  - East bulk storage tank is underway.



*166KE demolition underway*  
*(165KE Power Control Building in Background)*

**100K Area Report**  
**100/300 Area Unit Manager Meeting**  
**May 21, 2020**



*105-K East Reactor Interim Safe Storage (ISS)*



*Conceptual Design of the 105-K East Safe Storage Enclosure*

- The request for proposal for SSE Construction was issued. A pre-bid walkdown will be schedule after remobilization activities for COVID-19.

**100K Area Report**  
**100/300 Area Unit Manager Meeting**  
**May 21, 2020**

**TPA Milestone M-093-27**, *Complete 105-KE and 105-KW Reactor Interim Safe Storage in Accordance with the Removal Action Work Plan.*

- (9/30/24) - At Risk – TPA Change package M-93-20-02 is being developed to set target milestones.

**TPA Milestone M-016-00C**, *Complete all response actions for the 100 K Area*

- (9/30/24) - At Risk – Dates will be evaluated after contract transition.

**TPA Milestone M-016-181**, *complete deactivation, demolition and removal of 105-KW Fuel Storage Basin*

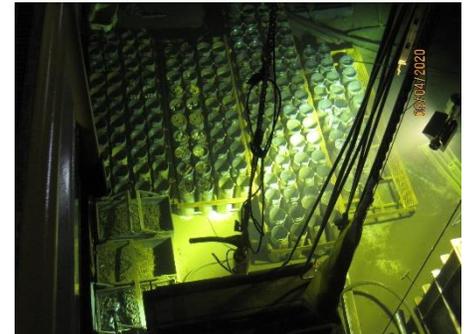
- (9/30/23) – On Schedule
- DOE/RL-2010-52, *Remedial Design and Remedial Action Work Plan for the K Basins Interim Remedial Action: 105-K West Basin Deactivation (Revision 1)*, and DD-63014, *105-KW Basin Deactivation Air Monitoring Plan* are being reviewed with EPA.
- Basin deactivation work continues in the 105KW Basin. Activities include the following:
  - Preparations for Garnet Filter Media Retrieval (GFMR) Readiness review following successful installation and testing of GFMR System.
  - Clearing the footprint in the K West Basin West Bay for installation of the Vertical Pipe Casing (VPC) System continues.
  - Relocation, inventorying and dose rating below-water debris.
  - Preparing to perform bulk removal of hanging pole tools. (West Bay)
  - Preparing to inspect and characterize the Integrated Water Treatment System settler tanks.
  - Preparing to sample the Skimmer System sand filter media.



*West Bay*



*Center Bay*



*East Bay*

**100K Area Report**  
**100/300 Area Unit Manager Meeting**  
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- Columbia Energy and Environmental Services completed fabrication on a number of key Vertical Pipe Casing components to support segregation of debris in the 105KW Basin.



*VPC Base and Debris Washing Station*



*VPC Debris Base and Center Sections*

**TPA Milestone M-016-186, Initiate soil remediation under the 105-KW Fuel Storage Basin.**

- (12/31/23) – On Schedule.

**300 Area River Corridor Soils Summary**  
**300 Area Unit Manager Meeting**  
**May 21, 2020**

**300 Area ROD Scope** – (Ben Vannah)

**TPA Milestone M-016-85A**, *Complete remote excavation of the 300-296 waste site in accordance with an approved RD/RA Work Plan, (9/30/2021)* – On Schedule

Performing the following activities in preparation for remote excavation of the highly contaminated soil beneath the 324 Building B-Cell, and grout in place in the adjacent hot cells (A, C, D) for disposal.

**324 Building Equipment Installation:**

- N/A

**Equipment Procurement & Fabrication:**

- Continued design and fabrication of equipment:
  - B-Cell 10T Crane (approved, shipment on hold)
  - Universal cutting tool
  - Cell dams (on hold)
  - Water delivery system for the Airlock (fabricator impacted by COVID-19)
  - Concrete box for soil waste bins
  - Modified shielded lids and frames (on hold)
  - Self-leveling lifting device
  - Modified Airlock Rail (on hold)

**324 Activities:**

- Conducting daily rounds during Hanford Site Mission Critical Shutdown
- Develop a back to work plan to phase back to normal Operations
- Evaluate and prepare to establish socially distanced work spaces for employees

**Structural Modifications:**

- N/A

**Mockup:**

- N/A

**Cell Cleanout:**

- N/A

**Resumption Activities:**

- The root cause evaluation report was approved in late March
- The associated Corrective Action Plan (CAP) in CRRS was approved the first week of April
- Corrective actions already underway:
  - Development and implementation of advanced radiological training specific to 324 radiological conditions, including simulated hands-on practical demonstrations – on hold awaiting return of project personnel
  - Modifying the 324 Mockup facility for use in the hands-on advanced radiological training – on hold awaiting return of project personnel

**300 Area River Corridor Soils Summary**  
**300 Area Unit Manager Meeting**  
**May 21, 2020**

- Project reorganization including infusion of additional seasoned nuclear facility and health & safety management - Completed
- Updating project baseline documents to reflect more rigorous controls and instituting formal change control process

**Upcoming Activities:**

- N/A

**TPA Milestone M-016-85, Complete Remedial Actions for 300-296 and Disposition for 324 Bldg. and Ancillary Bldgs. (9/30/2025) – On Schedule**

Milestone Description: *Complete remedial actions for 300-296 waste site in accordance with RD/RA Work Plan for 300-FF-2 Soils (DOE/RL-2014-13-ADD1) and disposition for the 324 Building and Ancillary Buildings in accordance with the Removal Action Work Plan (DOE/RL-2004-77). Completion of facility disposition is defined as the completion of deactivation, decontamination, decommissioning, and demolition in accordance with the removal action work plan.*



**100/300 Area Unit Managers Meeting**  
**Groundwater Summary by OU (March - April 2020 Data)**  
**May 21, 2020**  
**100-K Area Groundwater Operable Unit**

*EPA Lead (RL – E. Glossbrenner, CHPRC – E. Feist, J. Hulstrom)*

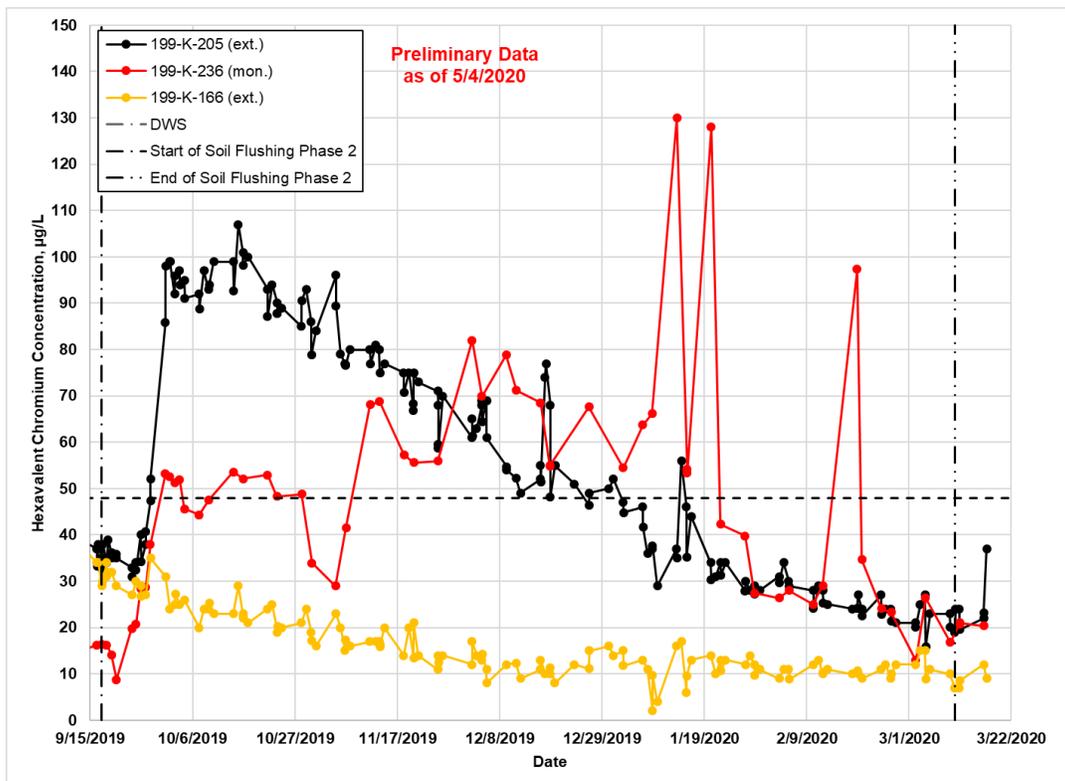
- CERCLA Process Implementation:
  - A meeting was held with RL and EPA on April 14, 2020 to discuss and resolve outstanding EPA comment on the KR-4 Remedial Investigation (RI) Draft Rev 0.
  - A teams meeting was held on April 30, 2020 to status RL and EPA on the activities occurring at K Area and the progress on the CERCLA documents being prepared. This is a routine K Area meeting.
  - Provided TPA-CN-0891 to RL for review and comment on April 16, 2020. Comments were received on April 23, 2020. This change notice updates the KW Soil Flushing Treatability Test SAP (DOE/RL-2018-10) based on observed trends during the first two phases of the treatability test. The CN was provided to EPA for review on April 27, 2020 and comments were received May 1, 2020.
  - Provided TPA-CN-0892 to RL for review on April 21, 2020. Comments were received on April 22, 2020. This change notice updates the 100-KR-4 groundwater monitoring SAP (DOE/RL-2013-29) to incorporate wells drilled in FY2020 and adjust sampling frequency for existing monitoring locations based on concentration trends. CN was provided to EPA for review on April 27, 2020 and comments were received May 1, 2020.
- Monitoring & Reporting:
  - With concurrence from RL, the KW infiltration gallery was shut down and normal P&T operations resumed on March 10, 2020. The Soil Flushing Treatability Test, which began on May 28, 2019 at the former 183.1KW Headhouse chemical storage tank farm, has infiltrated about 60 million gallons of water to the soil column through the infiltration gallery. Figure KR-1 shows the Cr(VI) results between September 17, 2019 through March 17, 2020 in key wells. After March 17, 2020, groundwater samples were not collected due to the stop work associated with COVID-19.
  - The 100-K well drilling and construction activities associated with wells 199-K-238, 199-K-239, and 199-K-240 concluded by March 9, 2020. Well 199-K-238 is planned to be connected to the KX P&T as an extraction well in the future.
- Remedial Actions & System Modifications:
  - Figures KR-2 through KR-4 present the monthly volume of groundwater treated and mass of hexavalent chromium removed through April 2020. The total mass removed for KW has started to decline as observed Cr(VI) concentrations have declined during the KW Soil Flushing Treatability Test.
  - Figure KR-5 illustrates the monthly average pumping rates for operating extraction wells across the 100-KR-4 system. KX extraction wells 199-K-148, 199-K-153, 199-K-161, and 199-K-210 will require well maintenance once field work operations resumes.
  - The volume of groundwater treated and mass of Cr(VI) removed for the 100-K P&T systems (KX, KR-4, and KW) during March and April 2020 are:

<b>Month</b>	<b>Gallons Treated (millions)</b>	<b>Hexavalent Chromium Removed (kg)</b>
March	63	3.1
April	59	2.9

**100/300 Area Unit Managers Meeting  
Groundwater Summary by OU (March - April 2020 Data)  
May 21, 2020**

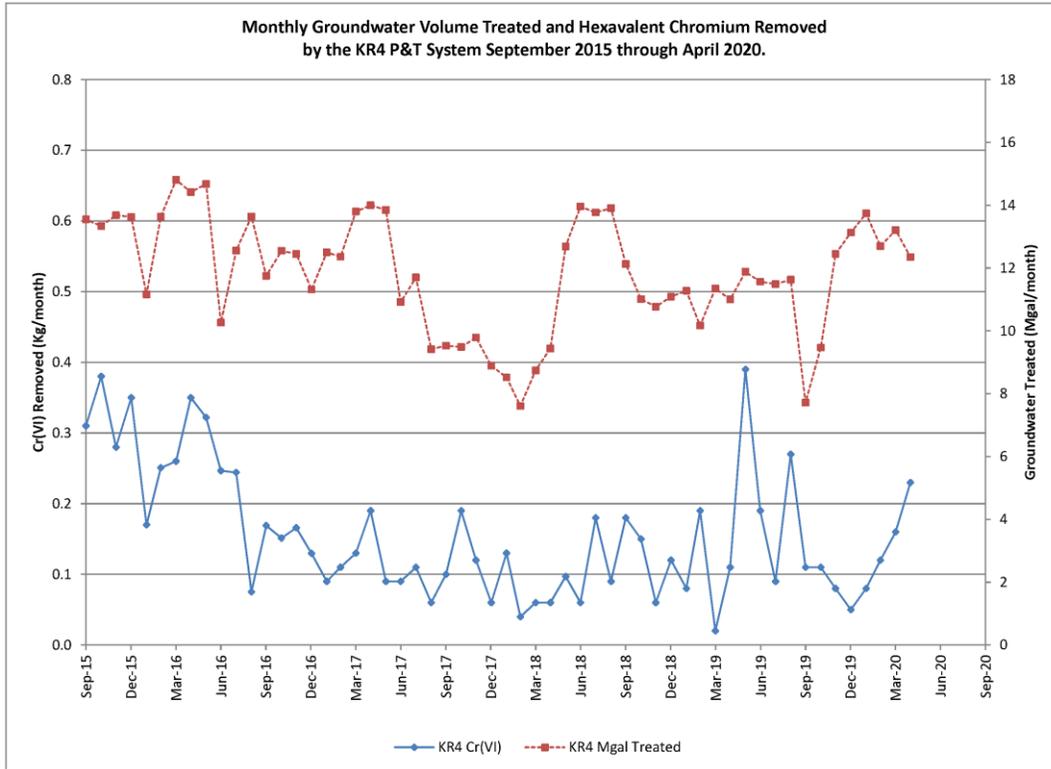
- FY 2020 (October through April 2020) P&T performance to date:

P&T System	Treated (mgal)	Removed (kg)
KR4	87	0.8
KW	90	8.2
KX	262	14.7
Total	439	23.7

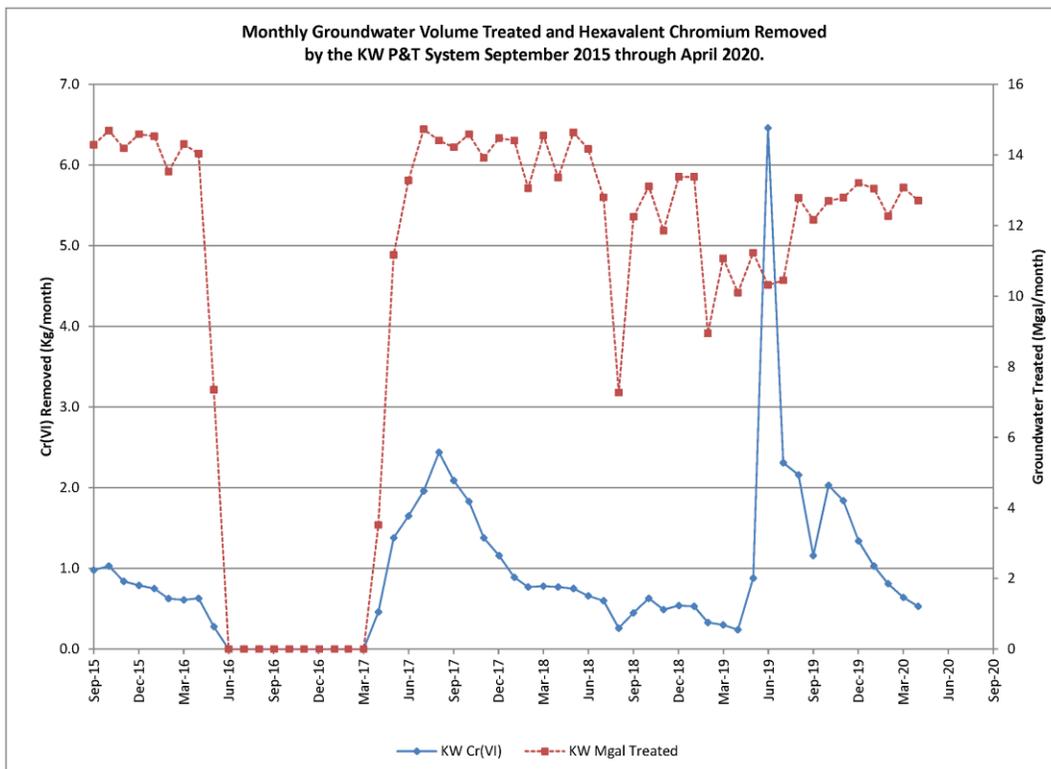


**Figure KR-1. Observed Cr(VI) Concentration after September 17, 2019**

**100/300 Area Unit Managers Meeting  
Groundwater Summary by OU (March - April 2020 Data)  
May 21, 2020**

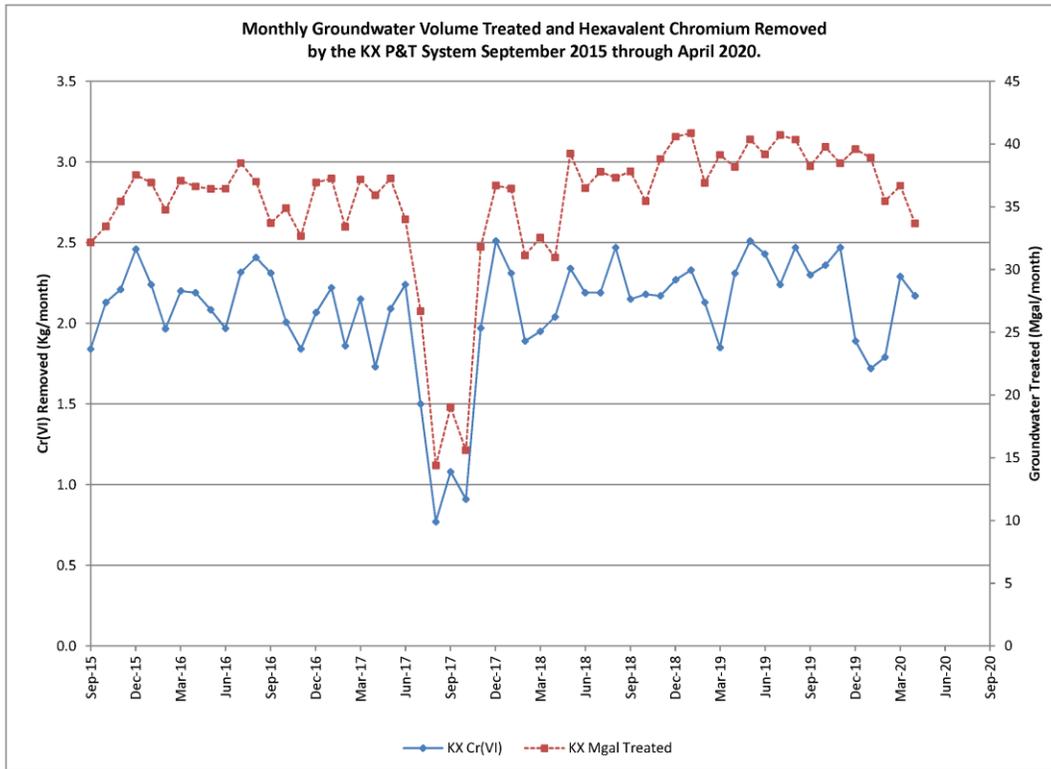


**Figure KR-2. Monthly Cr(VI) Removed and Groundwater Volume Treated by KR4 P&T September 2015 through April 2020**



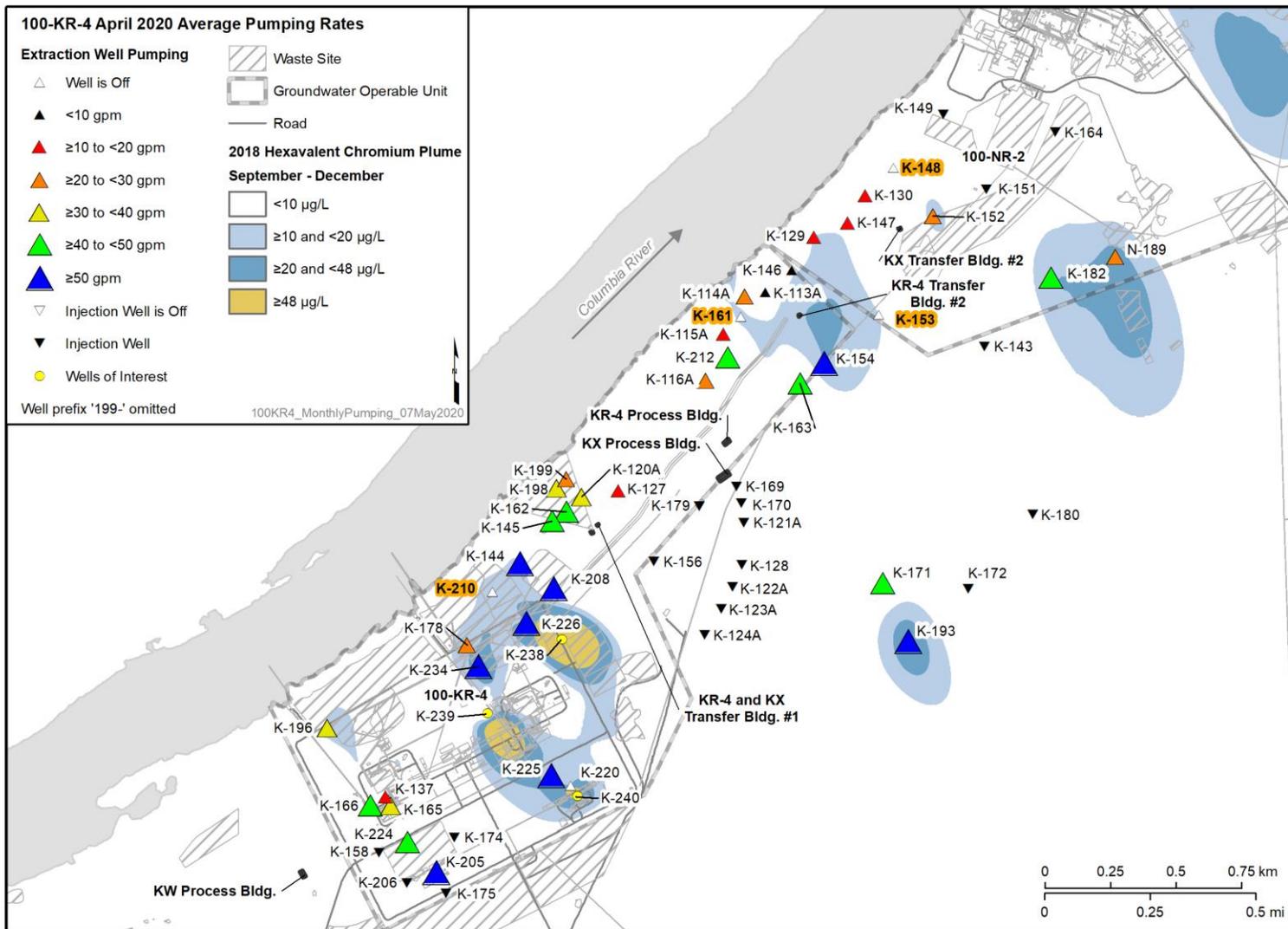
**Figure KR-3. Monthly Cr(VI) Removed and Groundwater Volume Treated by KW P&T September 2015 through April 2020**

**100/300 Area Unit Managers Meeting  
Groundwater Summary by OU (March - April 2020 Data)  
May 21, 2020**



**Figure KR-4. Monthly Cr(VI) removed and groundwater volume treated by KX P&T September 2015 through April 2020**

**100/300 Area Unit Managers Meeting  
Groundwater Summary by OU (March - April 2020 Data)  
May 21, 2020**



**Figure KR-5. April 2020 Average Pumping Rates for the 100-KR-4 P&T System**

**100/300 Area Unit Managers Meeting**  
**Groundwater Summary by OU (March - April 2020 Data)**  
**May 21, 2020**  
**100-BC Area Groundwater Operable Unit**

*EPA Lead (RL – E. Glossbrenner, CHPRC – R. Evans, M. Hartman)*

- CERCLA Process Implementation:
  - Modeling presentation to YN.....
  - Preparation of the responsiveness summary addressing public comments on the Proposed Plan continues.
- Monitoring & Reporting:
  - Manual water-level measurements were made in early March, as required.
  - The next scheduled sampling event for 100-BC-5 is in June (5 wells).

**Regulatory Agency Comments: No comment**

**100-N Area Operable Unit**

*Ecology Lead (RL – S. Balone, CHPRC – B. Faught, A. Lee)*

- CERCLA Process Implementation
  - TPA CN-0821 is undergoing Ecology review for the 100-NR-2 RD/RAWP (DOE/RL-2001-27) which reflects changes in the PRB injection schedule. A draft of the TPA CN was provided to Ecology on June 28, 2018 revising the schedule for issuance of the 100-N RI/FS and ROD. The re-draft TPA CN was submitted to RL and the regulators on March 19, 2020.
  - The Ecology review period for Draft B, 100-N RI/FS Report was extended to June 1, 2020. Ecology provided a partial list of 224 comments on April 6, 2020 to begin the comment resolution phase. On April 23, 2020 RL submitted responses to 38 comments (Chapters 1 and 2). Subsequently, Ecology accepted 37 of RL's dispositions and the comments were closed. On May 7, 2020 RL resubmitted a revised disposition to the one remaining comment with further explanation.
  - TPA CN-0887 to the 100-NR-2 RD/RAWP (DOE/RL-2001-27) was provided on March 19, 2020 to Ecology and EPA for review. The TPA CN identifies proposed changes to better align the sample frequencies to the monitoring needs for the 100-NR-2 groundwater OU and reflect the four 100-N TSD units that were removed from the Hanford Site RCRA permit in 2018. Ecology provided comments on April 13, 2020 and the TPA CN is being finalized to incorporate comments.
- Remedial Actions:
  - A test report is being prepared to document the results of the low river respirometry test completed on November 19, 2019.
  - DOE/RL-2019-24, *Sampling and Analysis Plan for Bioventing Confirmation Sampling Boreholes*, was issued on January 22, 2020. RL transmitted the document to Ecology on February 25, 2020. The SAP provides for collection of characterization soil samples to evaluate the effectiveness of the bioventing system for remediating deep vadose zone TPH contamination. Drilling of the boreholes is planned for the first quarter of FY-21 when the water table is low, exposing more of the deep vadose zone in the periodically rewetted zone.
- Product Recovery:
  - No changeout of the sorbent sponge assemblies in wells 199-N-18 and 199-N-183 occurred in March or April due to the COVID-19 fieldwork delay.
- Monitoring and Reporting:
  - The next comprehensive sampling round of the 100-N groundwater monitoring wells and aquifer tubes is scheduled for June 2020.

**Regulatory Agency Comments: No Comment**

**100/300 Area Unit Managers Meeting**  
**Groundwater Summary by OU (March - April 2020 Data)**  
**May 21, 2020**  
**100-D/H Areas Groundwater Operable Unit**

*Ecology Lead (RL – J. Sands, CHPRC –R. Evans, T. Hammond)*

- CERCLA Process Implementation:
  - Initiated development of a new groundwater monitoring sampling and analysis plan (SAP) to align with the requirements and expectations of the July 2018 Record of Decision on March 2, 2020.
  - Submitted letter to Ecology on March 16, 2020, requesting extension of RD/RAWP comment response period to June 1, 2020. Received concurrence from Ecology on April 1, 2020.
  - Issued secondary sources evaluation report to RL and Ecology on April 7, 2020.
  - Met with RL and Ecology on April 13, 2020, to finalize data quality objective (DQO) being prepared to support development of the groundwater monitoring SAP.
  - Forwarded waste-site reclassification Package A to RL for review on April 27, 2020.
- Monitoring & Reporting:
  - Construction of well 199-H3-31 completed on March 5, 2020, located near the 183-H solar evaporation basin. Drilling of well 199-H4-94 located to the northwest of the 105-H Reactor Building reached a depth of 76.5 feet on March 18, 2020 before the stop work was activated. Drilling and construction will resume once field operations begin.
- Remedial Actions & System Modifications:
  - The volume of groundwater treated and mass of Cr(VI) removed from the 100-HR-3 P&T systems during March and April are:

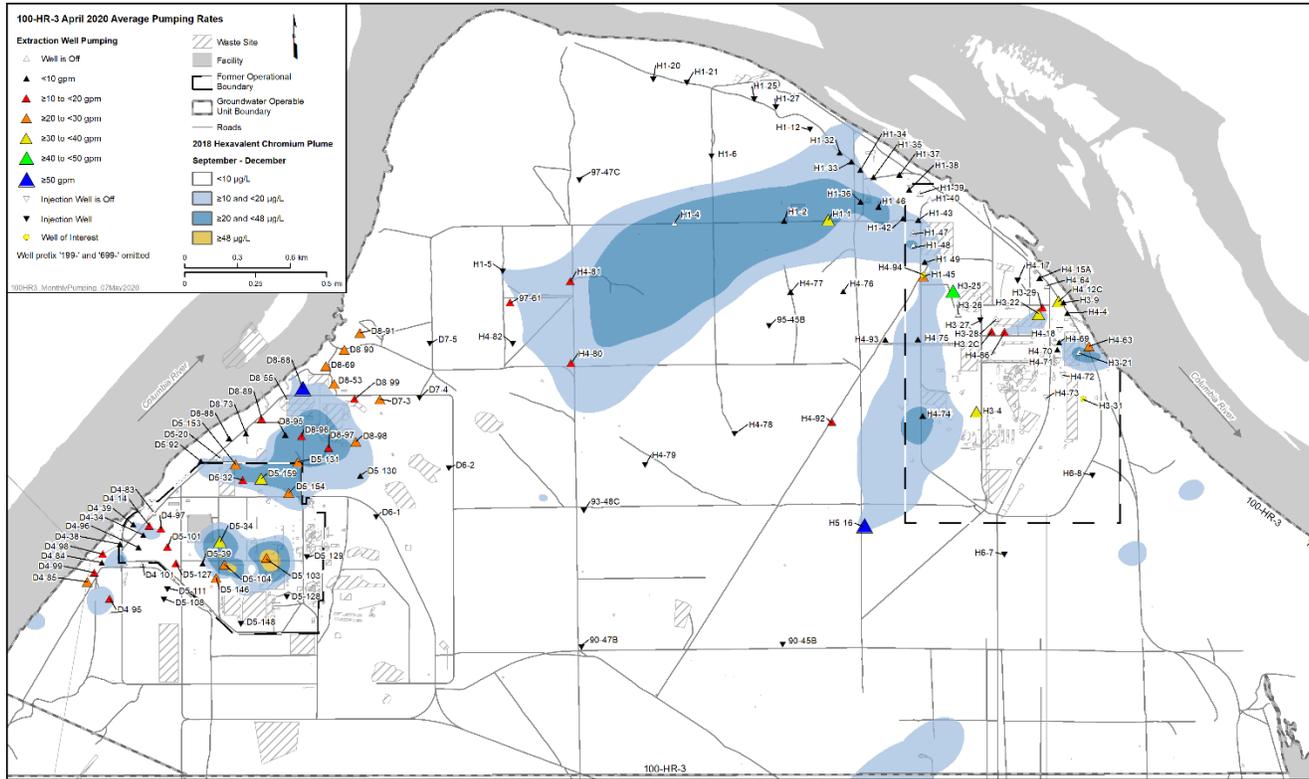
<b>Month</b>	<b>Gallons Treated (in millions)</b>	<b>Hexavalent Chromium Removed (kg)</b>
March	52	4.4
April	48	4.7

FY 2020 (October through April 2020) P&T performance to date:

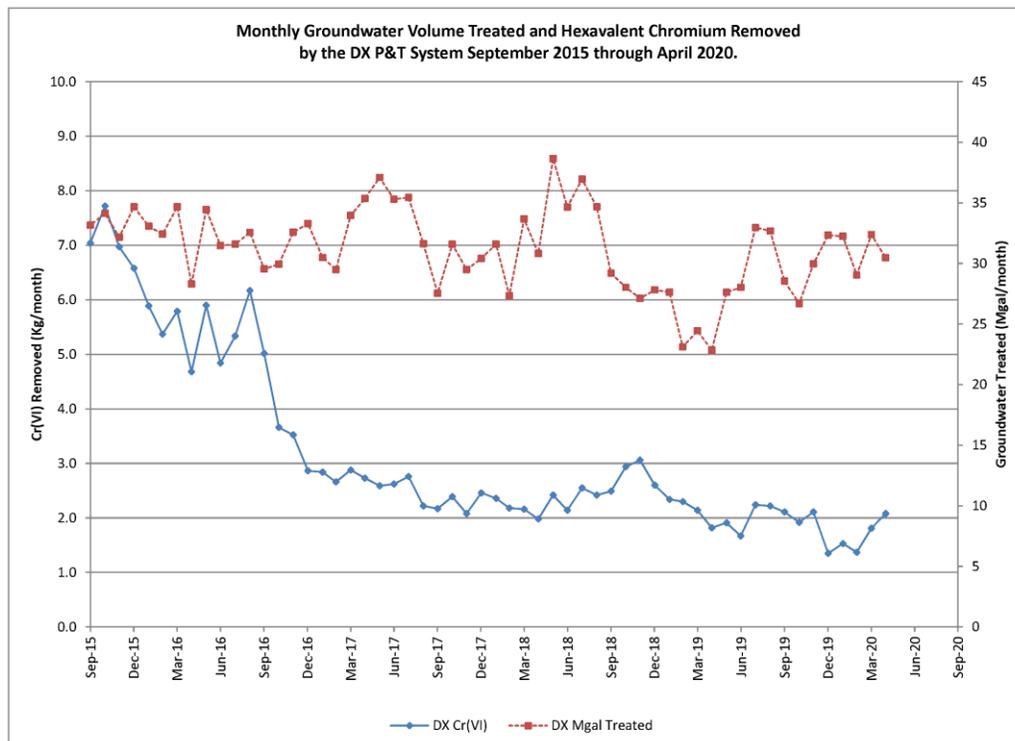
<b>P&amp;T System</b>	<b>Treated (mgal)</b>	<b>Removed (kg)</b>
DX	213	12.2
HX	150	21.0
Total	363	33.2

- Figure HR-1 illustrates the monthly average pumping rates for operating extraction wells across the 100-HR-3 system.
- Summaries of the monthly Cr(VI) removed and groundwater volume treated at DX and HX P&T systems are shown in Figures HR-2 and HR-3, respectively.

### 100/300 Area Unit Managers Meeting Groundwater Summary by OU (March - April 2020 Data) May 21, 2020

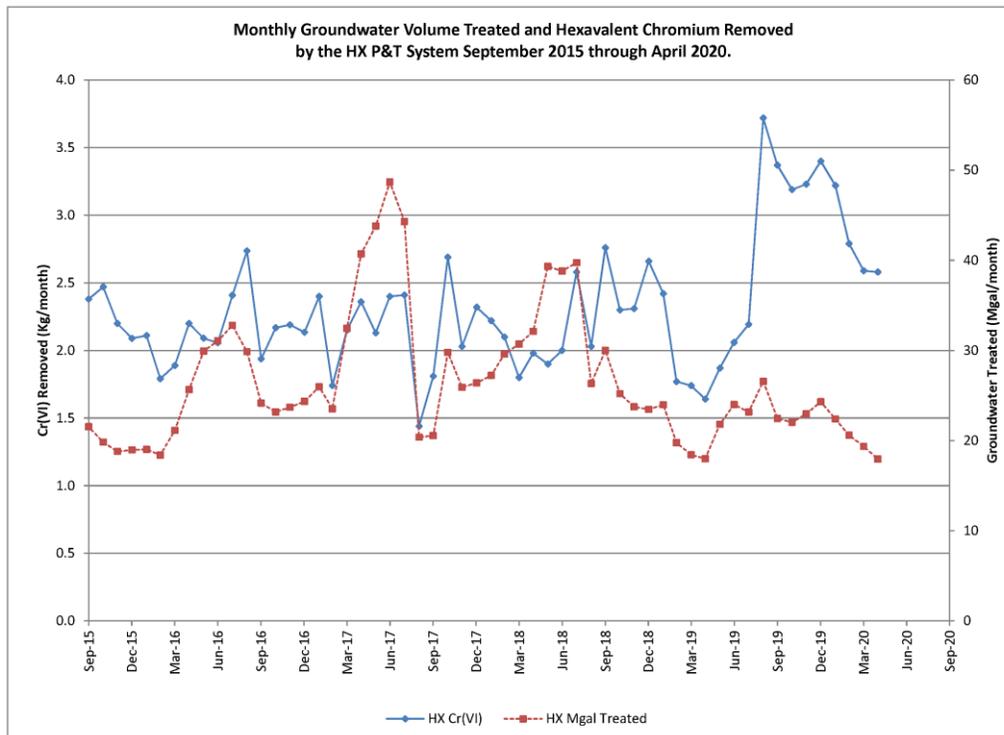


**Figure HR-1. April 2020 Average Pumping Rates for the 100-HR-3 P&T System**



**Figure HR-2. Monthly Cr(VI) Removed and Groundwater Volume Treated by DX P&T September 2015 through April 2020**

**100/300 Area Unit Managers Meeting**  
**Groundwater Summary by OU (March - April 2020 Data)**  
**May 21, 2020**



**Figure HR-3. Monthly Cr(VI) Removed and Groundwater Volume Treated by HX P&T**  
**September 2015 through April 2020**

**Regulatory Agency Comments: No Comment**

**100-F Area Groundwater Operable Unit**

*EPA Lead (RL – S. Balone, CHRPC – R. Evans, M. Hartman)*

- CERCLA Process Implementation:
  - Nothing new to report.
- Monitoring & Reporting:
  - Manual water-level measurements were made in early March as required. The next scheduled sampling event for 100-FR-3 is in June.

**Regulatory Agency Comments: No Comment**

**300 Area Groundwater Operable Unit**

*EPA Lead (RL – J. Sands, CHPRC – D. St. John, V. Rohay, E. Frohling, S. Bendana)*

- CERCLA Process Implementation:
  - TPA-CN-0883 was issued in April 2020 to modify groundwater sampling in the 300-FF-5 OU remedy implementation SAP (DOE/RL-2014-42). Changes include adding new well 699-S6-E3B to the 618-10 monitoring network; adding quarterly monitoring for one year at wells in the vicinity of well 399-6-3 where elevated uranium concentrations have been observed; and eliminating well 399-4-14 from the trichloroethene (TCE) monitoring network.
  - CHPRC internal review was initiated on April 27, 2020 for SGW-63113, *300-FF-5 Operable Unit Enhanced Attenuation Uranium Sequestration Completion Report*.
- Remedial Actions:
  - EPA and DOE/RL agreed (per TPA-CN-0883) that well 399-4-14 has reached attainment of the cleanup level for trichloroethene (TCE) and that this well can be eliminated from the TCE monitoring network. All 9 wells in the CERCLA TCE monitoring network have attained the cleanup level, and no future monitoring for TCE is required

**100/300 Area Unit Managers Meeting**  
**Groundwater Summary by OU (March - April 2020 Data)**  
**May 21, 2020**

for the 300-FF-5 OU CERCLA remedy.

- ECF-300FF5-19-0086, *STOMP Modeling Calculations in Support of the Stage B Sequestration of Uranium at 300-FF-5 Operable Unit*, was issued in April 2020.
  - ECF-300FF5-19-0089, *Geochemical Evaluation and Reactive Transport Modeling in Support of Stage B Enhanced Attenuation Remedy at 300-FF-5-Operable Unit*, was issued in April 2020.
  - SGW-64410, *Post-Closure Corrective Action Groundwater Monitoring Report for the 300 Area Process Trenches: July – December 2019*, was issued in April 2020. This report is the second semiannual RCRA report for 2019.
- Monitoring & Reporting:

**300 Area Industrial Complex**

- The one well scheduled for CERCLA monitoring in March was sampled as scheduled. The next CERCLA sampling event for long-term monitoring wells is scheduled for June 2020.
- The one well (699-S29-E16C) scheduled for AEA monitoring in April was not sampled as scheduled due to the COVID-19 fieldwork delay. The next AEA sampling event is scheduled for June 2020.
- The two wells, 399-4-16 and 399-4-15, downgradient of the 324 Building were not sampled as scheduled in April due to the COVID-19 fieldwork delay. The next sampling event at these wells is scheduled for July 2020.
- Thirteen wells in the Stage B area are being monitored quarterly for one year to support calibration of the fate and transport model (per TPA-CN-0883). The wells were sampled as scheduled in March. The next CERCLA sampling event for uranium fate and transport model calibration is scheduled for June 2020.

**618-10 Burial Ground/316-4 Crib**

- The next CERCLA sampling event is scheduled for May 2020.
- The next AEA sampling event at 618-10/316-4 wells is scheduled for May 2020.

**618-11 Burial Ground**

- The next CERCLA sampling event is scheduled for October 2021.
- The next AEA sampling event is scheduled for October 2020.

**300 Area Process Trenches (316-5) RCRA Monitoring**

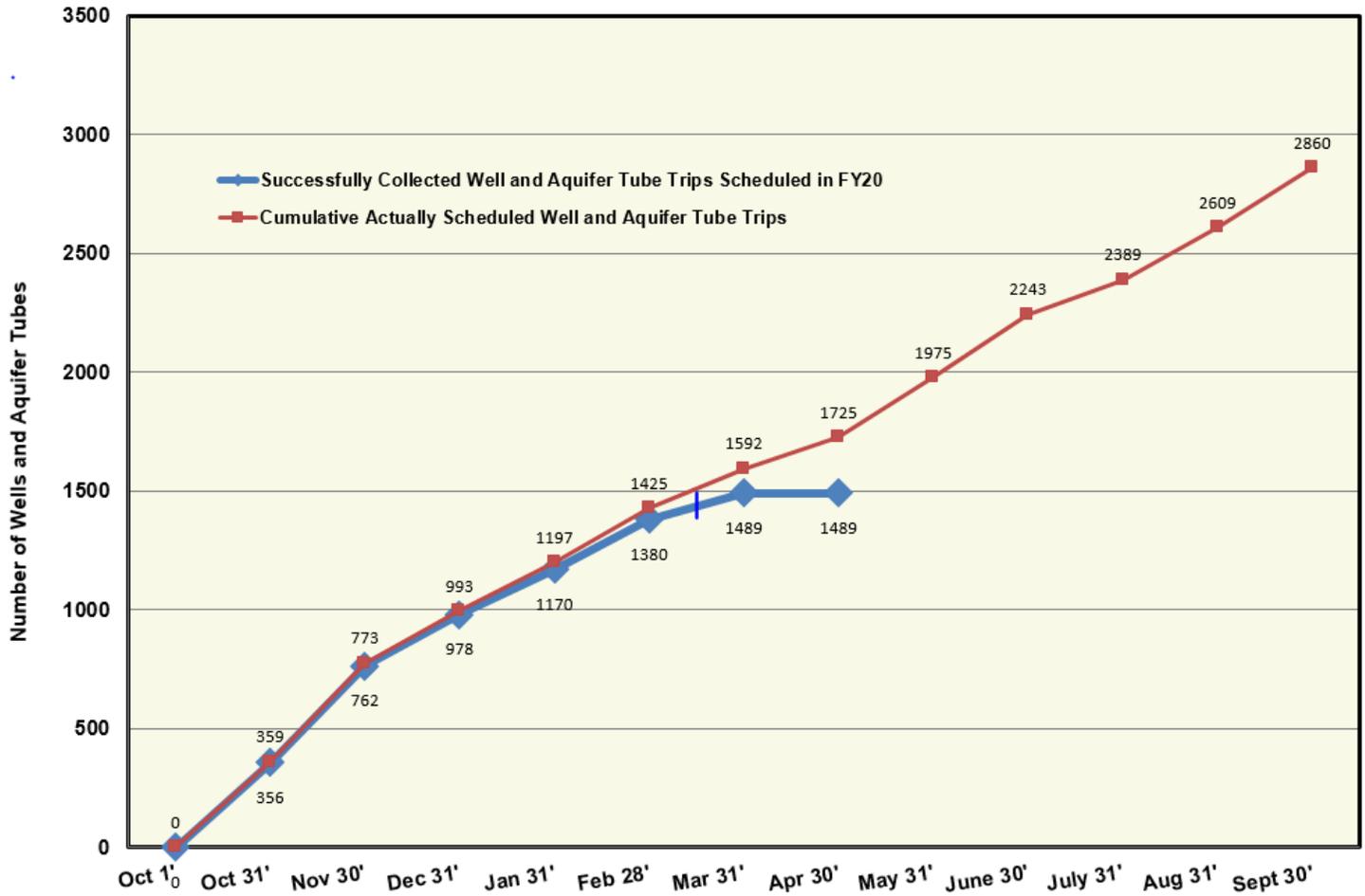
- The next RCRA sampling event is scheduled for June 2020.

**Regulatory Agency Comments: No Comment**

**100/300 Area Unit Managers Meeting  
Groundwater Summary by OU (March - April 2020 Data)  
May 21, 2020**

**Hanford Annual Groundwater Sampling Program Performance  
Results for Samples Completed versus Sample Scheduled**

**FY 2020 Successfully Collected vs Scheduled Well and Aquifer Tube Trips**



**100/300 Area Unit Managers Meeting  
Groundwater Summary by OU (March - April 2020 Data)  
May 21, 2020**

**Documents Submitted to the AR**

Document Number	Document Title	Referencing Document
ECF-HANFORD-20-0017_R0	Calculation of Upper Confidence Limits for RCRA Monitoring at the 183-H Solar Evaporation Basins to Support the July - December 2019 Semiannual Report	SGW-64454_R0
SGW-38815_R2	Water-Level Monitoring Plan for the Hanford Site Soil and Groundwater Remediation Project	Annual Reports
SGW-64410-R0	Post-Closure Corrective Action Groundwater Monitoring Report for the 300 Area Process Trenches: July - December 2019	Annual Reports

**Approved Change Notices**

Number	Title
TPA-CN-1100	DOE/RL-2013-3-ADD12, 100-HR-3 Groundwater Operable Unit Well Installation Sampling And Analysis Plan, Addendum 12: Wells 199-D11-1, 699-98-50, 699-95-48B, 699-96-428, 199-H4-94, and 199-H3-14, Rev. 0
TPA-CN-0883	DOE/RL-2014-42, 300-FF-5 Operable Unit Remedy Implementation Sampling and Analysis Plan, Rev. 0

*The DOE Project Managers have identified no outstanding issues with the preceding month's Environmental Performance Report for this scope.*

**100-OL-1 Operable Unit Report  
100/300 Area Unit Manager Meeting  
May 21, 2020**

**100-OL-1 OU Scope - (John Sands, PNNL)**

- **Interim Milestone M-015-97**, Change Number M-15-19-01, Lead Regulatory Agency: Ecology
  - Submit to Ecology the 100-OL-1 Operable Unit Feasibility Study Report, Draft A.
  - Due Date: 01/15/2021, extended from 8/30/2020
  
- **Background**

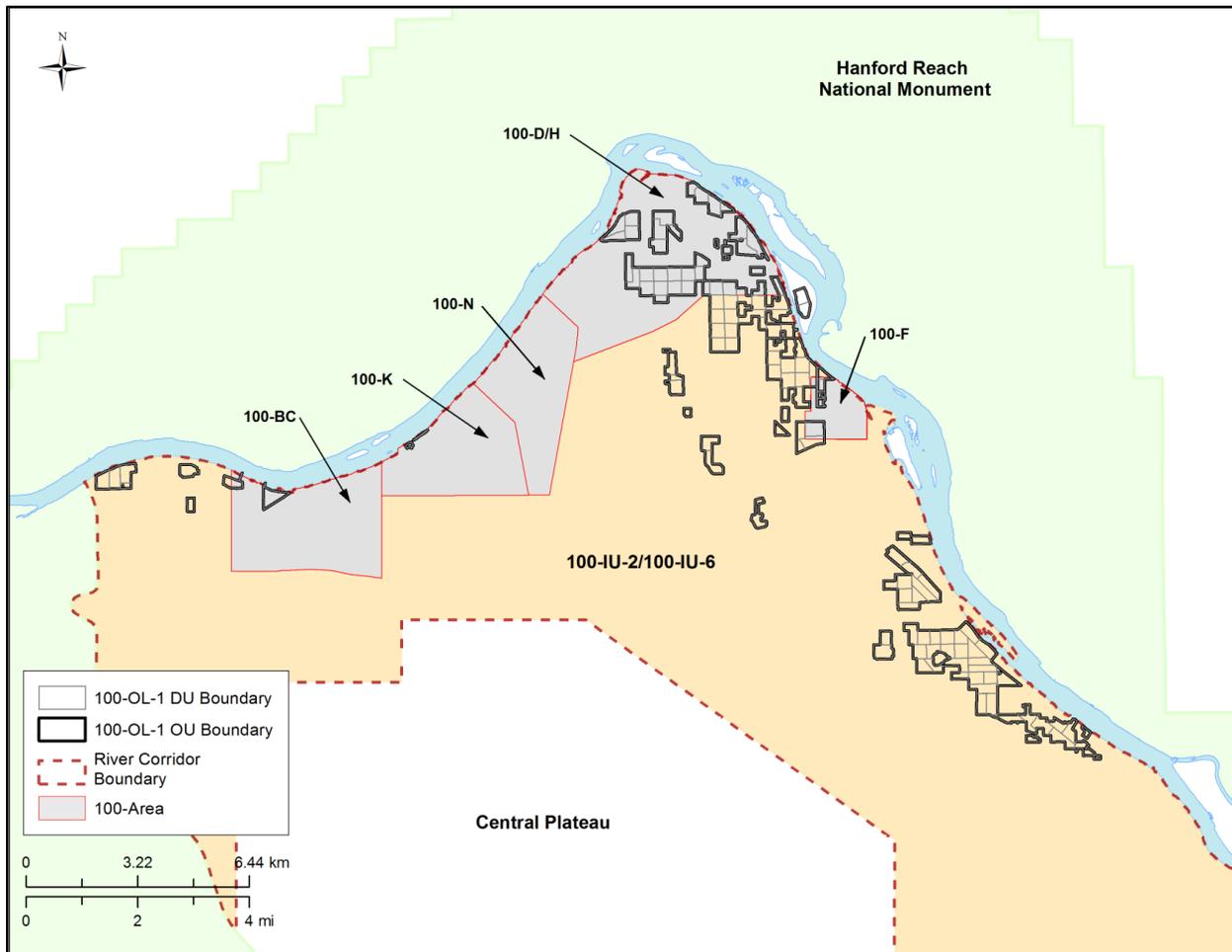
100-OL-1 OU covers 4,995 acres across the River Corridor, incorporating lands where former orchards used lead arsenate pesticide (Figure 1). Lead arsenate was the standard pesticide for controlling codling moths in many fruit trees from the 1890s through 1988. Some waste sites in the 100 Area contain relatively high lead and arsenic concentrations near the soil surface. 100-OL-1 OU was divided into 133 decision units (DUs) for the evaluation of lead and arsenic in the surface soils using a portable x-ray fluorescence (XRF) analyzer. The Remedial Investigation found:

  - There are 83 DUs (3,056 acres) that need no further action because the nature and extent of lead and arsenic soil concentrations in the DUs do not meet or exceed any criteria of the “3 part rule” (WAC 173-340-740(7)) for human health or ecological screening levels.
  - There are 9 DUs (362 acres) that do not meet or exceed any criteria of the “3 part rule” for the human health screening levels, but exceed ecological screening levels.
  - There are 41 DUs (1,578 acres) that meet or exceed some criteria of the “3 part rule” for the human health screening levels.
  
- **Status**

On-going comment resolution of *Remedial Investigation for the 100-OL-1 Operable Unit Hanford Orchard Lands* (DOE/RL-2016-54, Draft A). Comments from Ecology were received in May 2018. All comments are either dispositioned or have a path is set for disposition.

The ecological risk assessment is ongoing and is scheduled for completion in 6/2020

**100-OL-1 Operable Unit Report**  
**100/300 Area Unit Manager Meeting**  
**May 21, 2020**



**Figure 1. The 100-OL-1 OU and Associated Decision Units across the Hanford Site River Corridor**

100/300 Area UMM  
Action Items List  
May 21, 2020

CHPRC-2001919

Open (O)/ Closed (X)	Action No.	Co.	Actionee	Project	Action Description	Status