

# Richland Operations Office 2020 Vision *Tom Fletcher*



**RICHLAND  
OPERATIONS OFFICE**  
United States Department of Energy



DEPARTMENT OF  
**ECOLOGY**  
State of Washington

**MSA**  
Mission Support Alliance

**ch2m**<sup>SM</sup>

# Safe, Secure and Compliant (Contractual, Regulatory and Compliance Agreement) Mission Accomplishment by an Engaged and Motivated Workforce

# River Corridor Project Completed (Green Capital Asset Project)

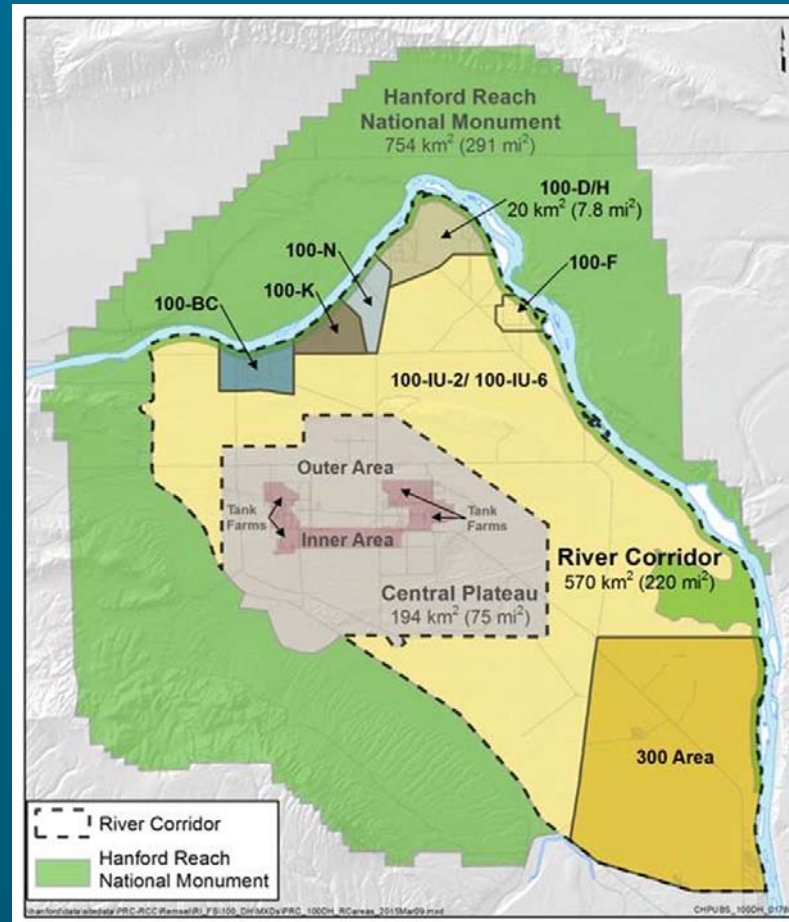
*September 2019 (CD 4)*





# All (6) River Corridor CERCLA RI/FS Records of Decision Completed and Approved

*December 2019*



# All (except K Area and 618-11) River Corridor Record of Decision Waste Site Remedial Actions Completed and All Groundwater Remedial Actions Implemented

*December 2019*



# River Corridor Orchard Land Remedial Investigation Report Completed

*August 2018*





# 300-296 Waste Site “Remote Excavation” Complete (TPA Milestone = September 2019) and 324 Building Demolition Initiated (TPA Milestone = September 2021 demolition complete)

*December 2019*



# 618-10 (and associated waste sites) Completed

*September 2018*





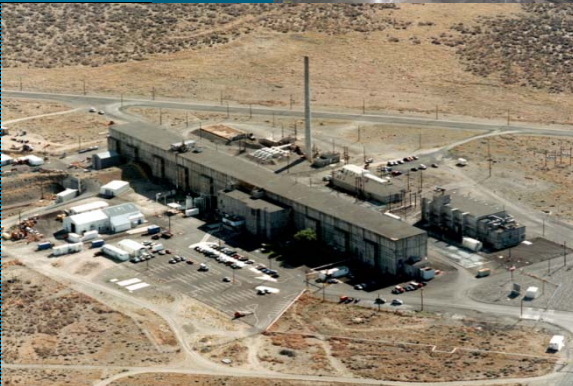
# K Area Sludge Removal Project Completed (Green Capital Asset Project)

*November 2019 (CD 4)*



# K Area Sludge Transferred to T-plant for Storage and Eventual Treatment and Disposal

*December 2019*





# K Area Cleanup Required by CERCLA Final Record of Decision and TPA Milestones Initiated

*December 2019*



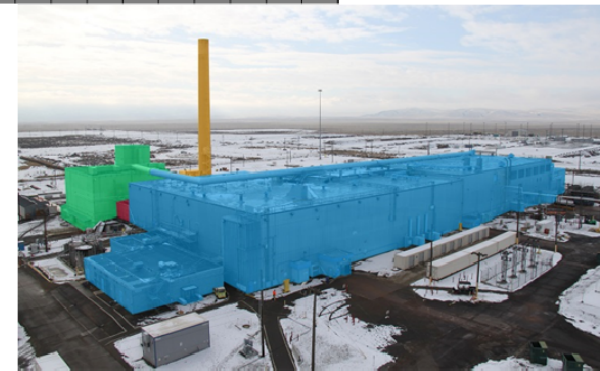
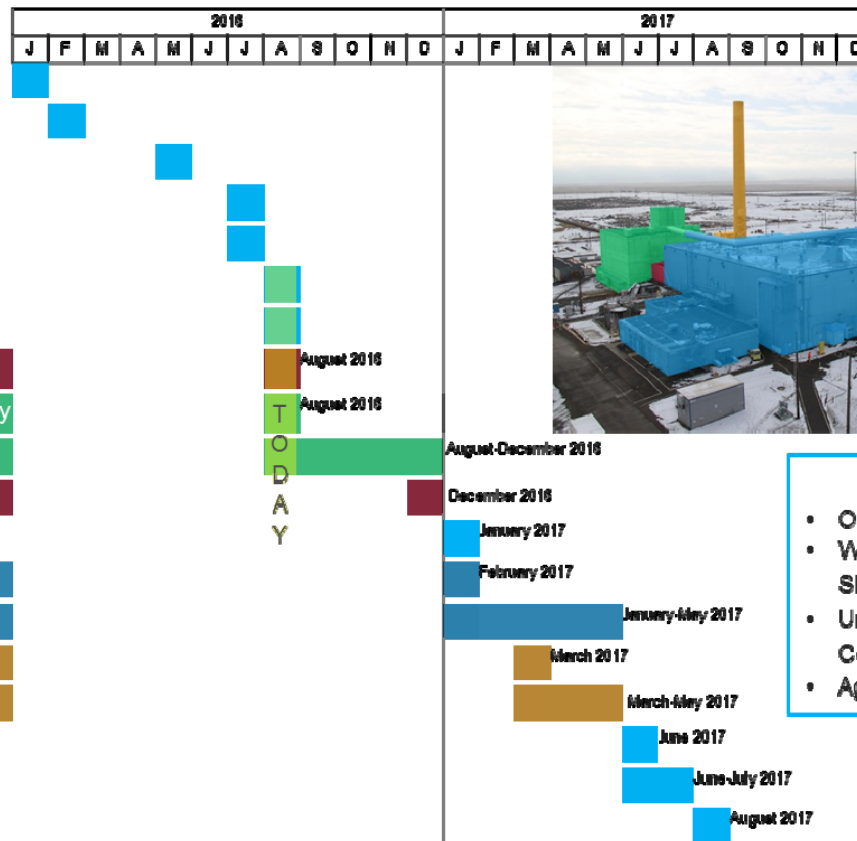


# PFP Slab on Grade Completed (Green Capital Asset Project)

## September 2017 (TPA) - August 2018 (CD 4)

### PFP Schedule

- Plutonium Reclamation Facility Canyon Grouted
- High-Hazard Glove Boxes Removed
- Pre-Demo Glove Box Removal Starts
- Level B Suit Work Complete
- Ancillary Building Demolition (2729)
- Ancillary Building Demolition (2727)
- Readiness Assessment
- McCluskey Room (242-Z) Demo Ready
- Plutonium Reclamation Facility (236-Z) Demo Ready
- Plutonium Reclamation Facility (236-Z) Demolition
- McCluskey Room (242-Z) Demolition
- First Phase Employee Transition Out
- Main Processing Facility (234-5Z) Demo Ready
- Main Processing Facility (234-5Z) Demolition
- Fan House/Ventilation Stack (291-Z) Demo Ready
- Fan House/Ventilation Stack (291-Z) Demolition
- Second Phase Employee Transition Out
- Site Demobilization
- Third Phase Employee Transition Out



### Challenges

- Open Air Demo Concerns
- Workforce Transition and Skills Mix
- Unexpected Contamination Discovery
- Aging Infrastructure

# Cesium/Strontium Capsules Capital Asset Project CD-3 (Green), Storage Cask Fabrication, Construction of the Capsule Storage Area and WESF Modifications Initiated

*December 2019*





# All Central Plateau Groundwater Interim and Final CERCLA Records of Decision Issued, Remedies Selected, and Treatment Capacity Increased to 1.3 Billion Gallons a Year for 200 East and 200 West Areas

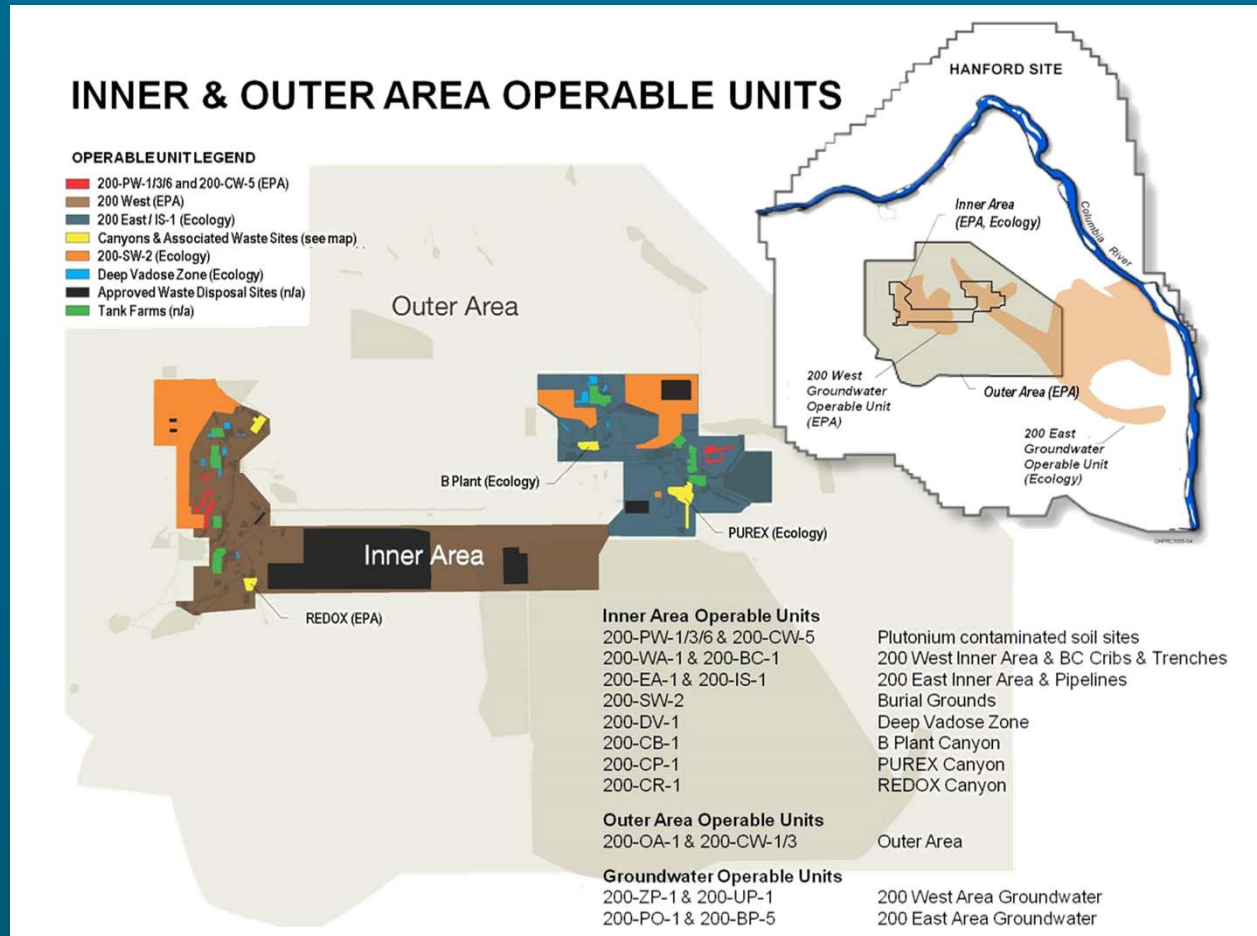
*December 2019*





# Initiate Characterization of the Central Plateau 200 West Inner Area & BC Cribs & Trenches

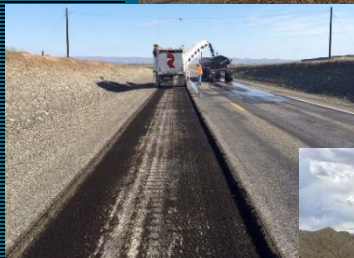
September 2018



# Key Hanford Infrastructure Projects Completed and Remaining Essential Infrastructure Projects Identified and Prioritized

## December 2019

- Complete construction of 200E 13.8kV Electrical Distribution System modifications and upgrades
- Complete construction of 200W Transmission and Distribution System Refurbishments
- Complete construction of 230kV Transmission System Reconditioning and Sustainability Repairs (BPA partnership for Double Loop)
- Complete Electrical Transfer Trip upgrades
- Complete Transmission/Distribution Access Road upgrades
- Complete the natural gas pipeline EIS
- Complete NEPA, pilot test, and conceptual design of new Water Treatment Facility
- Complete NEPA, design, and begin construction for compliance driven cross connection control modifications on 200 Area raw water system
- Complete NEPA, design, and begin sewer system reconfiguration for a new Equalization Facility and system consolidation to lagoon
- Complete implementation and badging for HSPD-12
- Complete implementation of the new electronic medical record/EJTA
- Complete design and initiate construction of 400 Area fire house
- Complete 18 miles of Route 4S Chip Seal



# Hanford Site RCRA Permit (Rev. 9) Finalized and Signed

*December 2019*

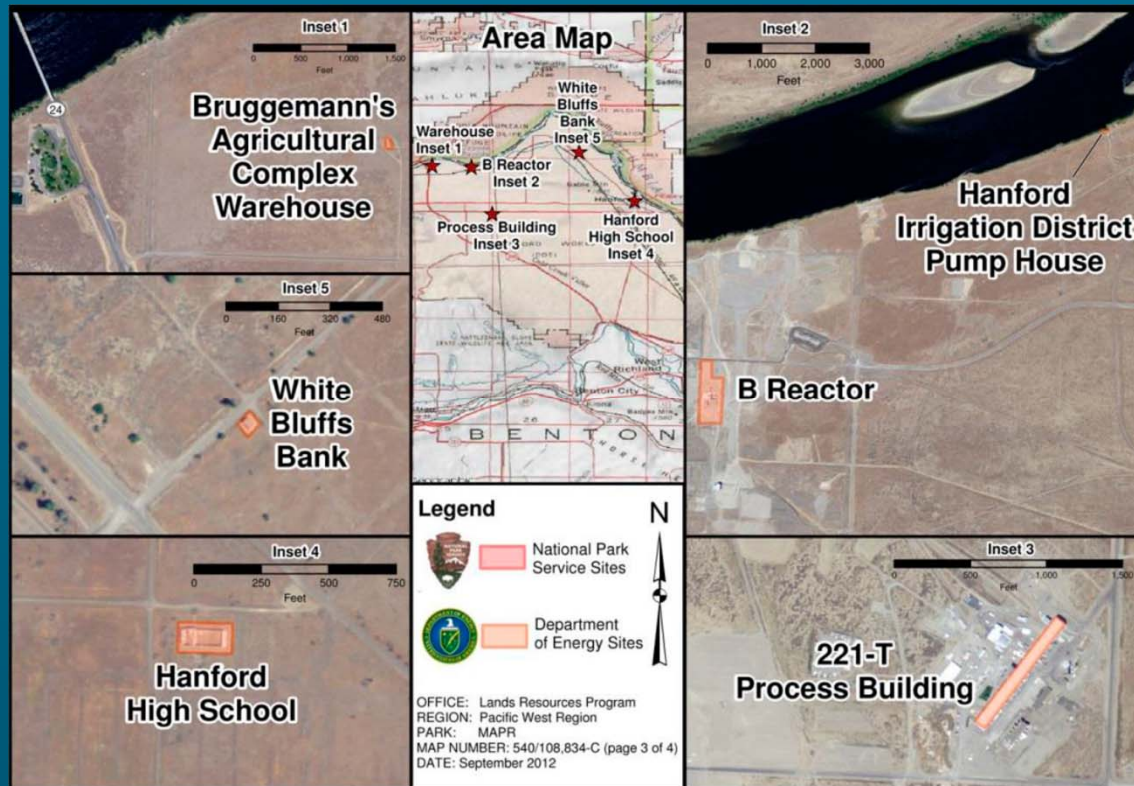




# Manhattan Project National Historical Park and Related Properties Transitioned from Hanford Nuclear Operations to Independent National Park Operations

*Transition Plan Completed - March 2017*

*Transition Plan Implementation Begun - September 2018*



# Protocols Established and Implemented with US Fish and Wildlife, Tribes, Local Elected Officials and Other Key Stakeholders that Provide an Open and Transparent Forum for Access, Use and Management of Hanford Lands

*December 2017*





# All Signed Tribal Memoranda of Understanding/Memoranda of Agreement Commitments Completed

*December 2019*










# New Hanford Cleanup Contracts Awarded and Contract Transition Completed

**December 2019**

## Current Hanford Prime Contracts

<p><b>Tank Operations Contract TOC</b></p> 	<p><b>Plateau Remediation Contract PRC</b></p> 	<p><b>Mission Support Contract MSC</b></p> 
<p>Store, retrieve, and treat tank waste, store and dispose of treated waste, and close the Tank Farm waste management areas.</p>	<p>Facility and waste site cleanup, groundwater remediation, waste management</p>	<p>Cost-effective infrastructure and site services to support the cleanup mission</p>
<p>Awarded in 2008 for 5 years plus 3 plus 2</p>	<p>Awarded in 2008 for 5 years plus 5</p>	<p>Awarded in 2009 for 5 years plus 3 plus 2</p>
<p>Total Contract Value: \$6.1B CPAF</p>	<p>Total Contract Value: \$5.8B CPAF</p>	<p>Total Contract Value: \$3.6B CPAF</p>
<p><b>Expires 9/30/2018</b></p>	<p><b>Expires 9/30/2018</b></p>	<p><b>Expires 5/25/2019</b></p>
<p><b>222-S Laboratory Analysis &amp; Testing Services Contract</b></p> <p>Awarded in 2015 for 2 years plus 3 one year options Total Contract Value: \$44.5M Hybrid contract (FFP with award fee, Labor Hour Provision, CR)</p>  <p><b>Expires 9/21/2020</b></p>		<p><b>Occupational Medical Services Contract - HPMC</b></p> <p>Awarded in 2012 for 2 years plus 4 one year options Total Contract Value: \$100.2M Hybrid contract (FFP with award fee, CR, and IDIQ)</p>  <p><b>Expires 9/30/2018</b></p>

- Notes: 1. River Corridor Closure Contract (CPIF) ends on September 30, 2016  
2. Excludes Waste Treatment Plant Construction/Commissioning Contract (Bechtel National)

OFFICIAL USE ONLY  
Source Selection Information - See FAR 2.101 and 3.104

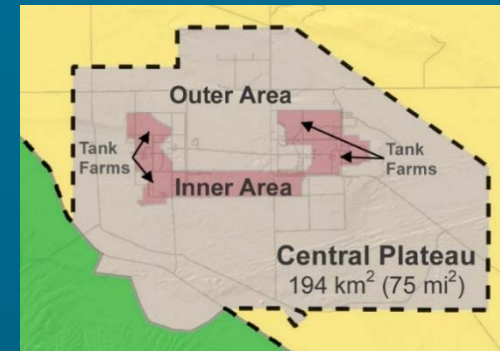
# Working with the U.S. Department of Justice to Reduce the U.S. Natural Resource Damages Liability by Initiating Partial Settlement(s) for Significant Hanford Natural Resources, such as Groundwater

*October 2019*



# Improve Collaboration, Coordination and Communications between the Richland Operations Office and Office of River Protection

- **RL/ORP co-location - 2016**
- **Hanford 5-Year Succession Plan - 2016/2017**
- **Hanford Integrated Priority List (DFLAW 2022 focused) - 2017**
- **Consolidated Hanford systems, processes, and procedures - 2018**
- **Hanford contracts awarded and transitioned in 2019**
- **Integrated Hanford operations - September 2019**

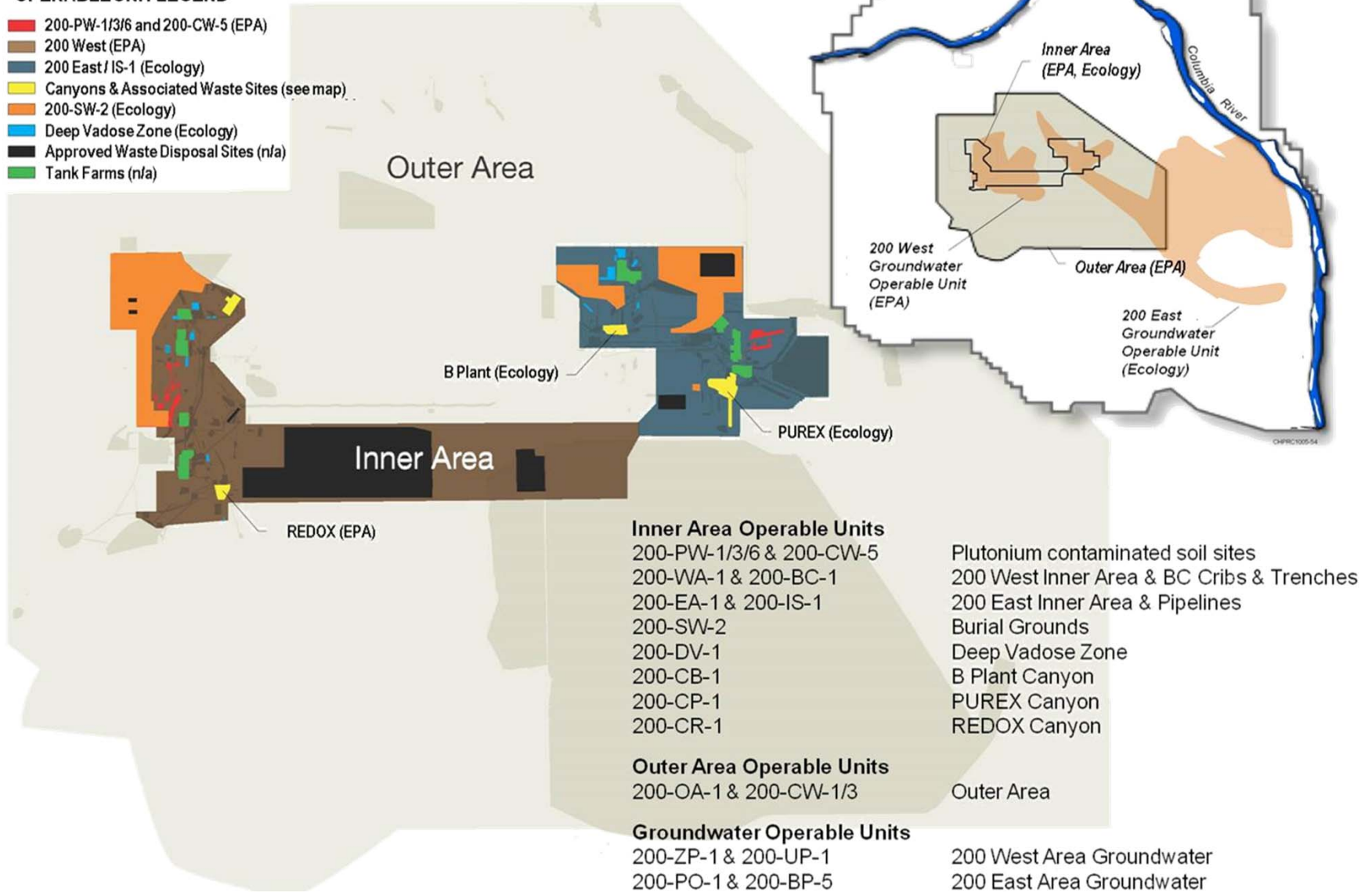




# INNER & OUTER AREA OPERABLE UNITS

## OPERABLE UNIT LEGEND

- 200-PW-1/3/6 and 200-CW-5 (EPA)
- 200 West (EPA)
- 200 East / IS-1 (Ecology)
- Canyons & Associated Waste Sites (see map)
- 200-SW-2 (Ecology)
- Deep Vadose Zone (Ecology)
- Approved Waste Disposal Sites (n/a)
- Tank Farms (n/a)



OHPRC1005-54