



RICHLAND
OPERATIONS OFFICE
United States Department of Energy

Richland Operations Office

2020 Vision

Doug S. Shoop
























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

Funding profile = approximately \$900M/year

"Safe, Secure, and Compliant Mission Accomplishment by an Engaged and Motivated Workforce"



Key Accomplishments Completed by:

CY 2017	CY 2018	CY 2019
<ul style="list-style-type: none">  PFP Demolished to Slab on Grade  Manhattan Project National Park Transition Plan Completed  Protocols for Open and Transparent Access and Use of Remediated Lands Established 	<ul style="list-style-type: none">  River Corridor Orchard Lands Remedial Investigation Report Completed  618-10 Burial Ground and Associated Waste Sites Completed  Initiate Characterization of the Central Plateau 200-WA-1 Operable Unit  Manhattan Project National Park Transition Plan Implementation Initiated 	<ul style="list-style-type: none">  River Corridor Capital Asset Project Completed  All (6) River Corridor Records of Decision Completed  All River Corridor Remedial Actions (except 618-11 and K Area) Completed  All River Corridor Groundwater Remedial Actions Implemented  Remote Excavation of Waste Site under 324 Building Completed and Demolition Initiated  K Area Sludge Removal Capital Asset Project Completed
		<ul style="list-style-type: none">  K Area Sludge Transferred to T Plant for Storage, Treatment, and Disposal  Cleanup of K Reactor Area Initiated  Cesium/Strontium Capsules Storage Area and WESF Modifications Initiated  All Central Plateau Groundwater Records of Decision Completed and Treatment Capacity Increased to 1.3 Billion Gallons a Year  Key Infrastructure Projects Completed and Remaining Essential Infrastructure Projects Prioritized
		<ul style="list-style-type: none">  Hanford Site RCRA Permit Finalized and Signed  All Signed Tribal MOA Commitments Completed  New Cleanup Contracts Awarded and Contract Transition Completed  Partial Natural Resources Damage Assessment Settlements Initiated  Collaboration, Coordination and Communications with ORP improved

Based on Funding Profile of ~\$900M

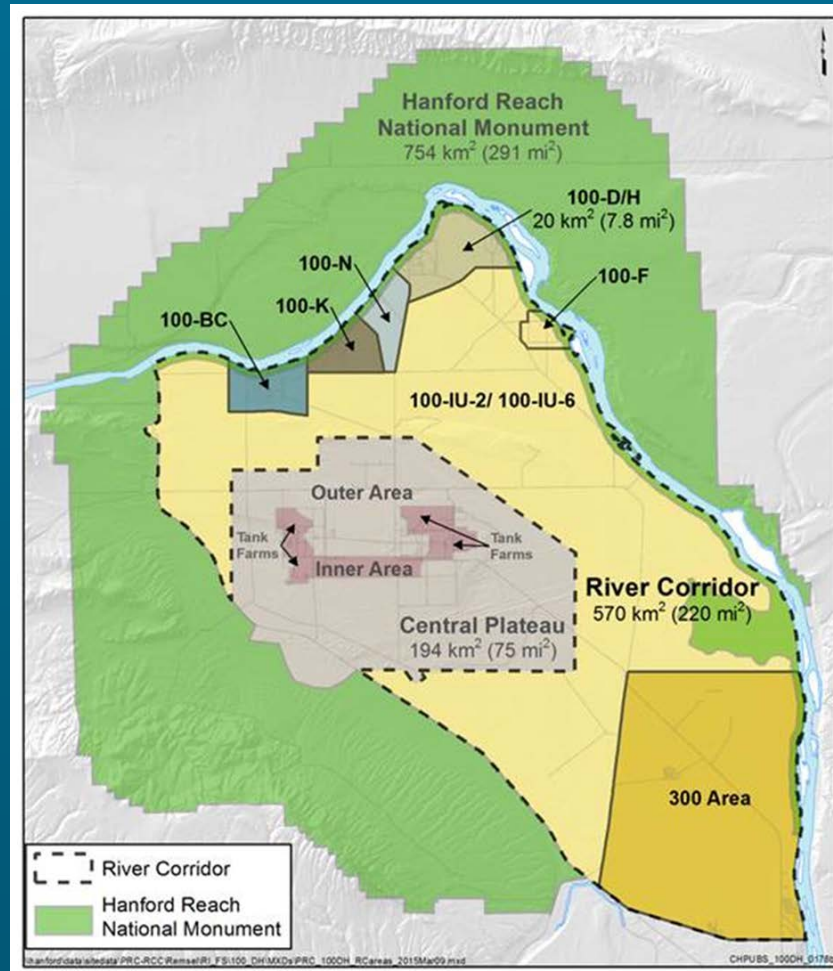
River Corridor Project Completed (Green Capital Asset Project)

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



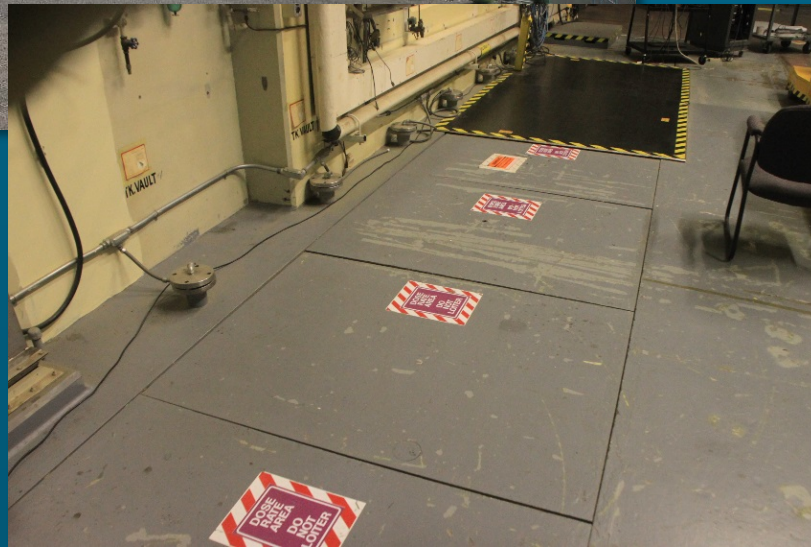
River Corridor Orchard Land Remedial Investigation Report Completed

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



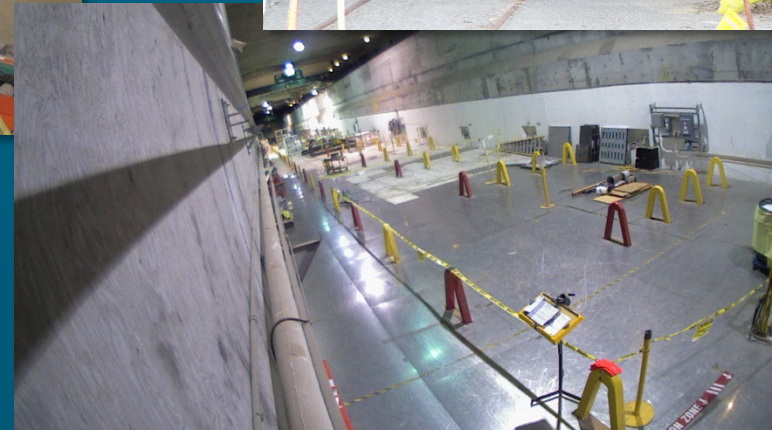
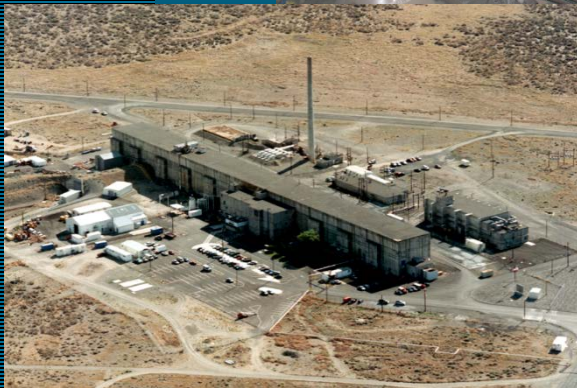
K Area Sludge Removal Project Completed (Green Capital Asset Project)

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

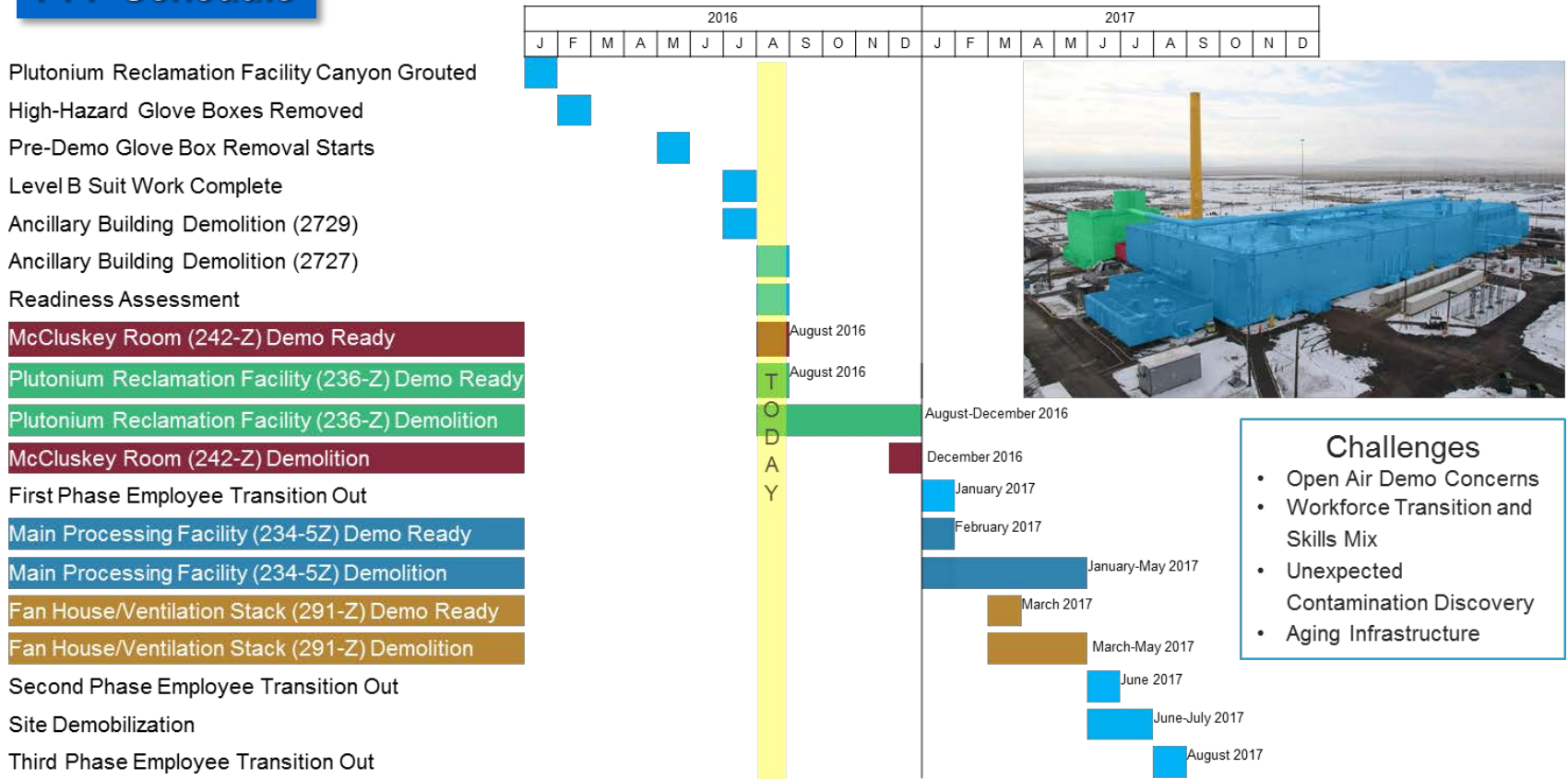
December 2019



PFP Slab on Grade Completed (Green Capital Asset Project)

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

PFP Schedule



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

December 2019



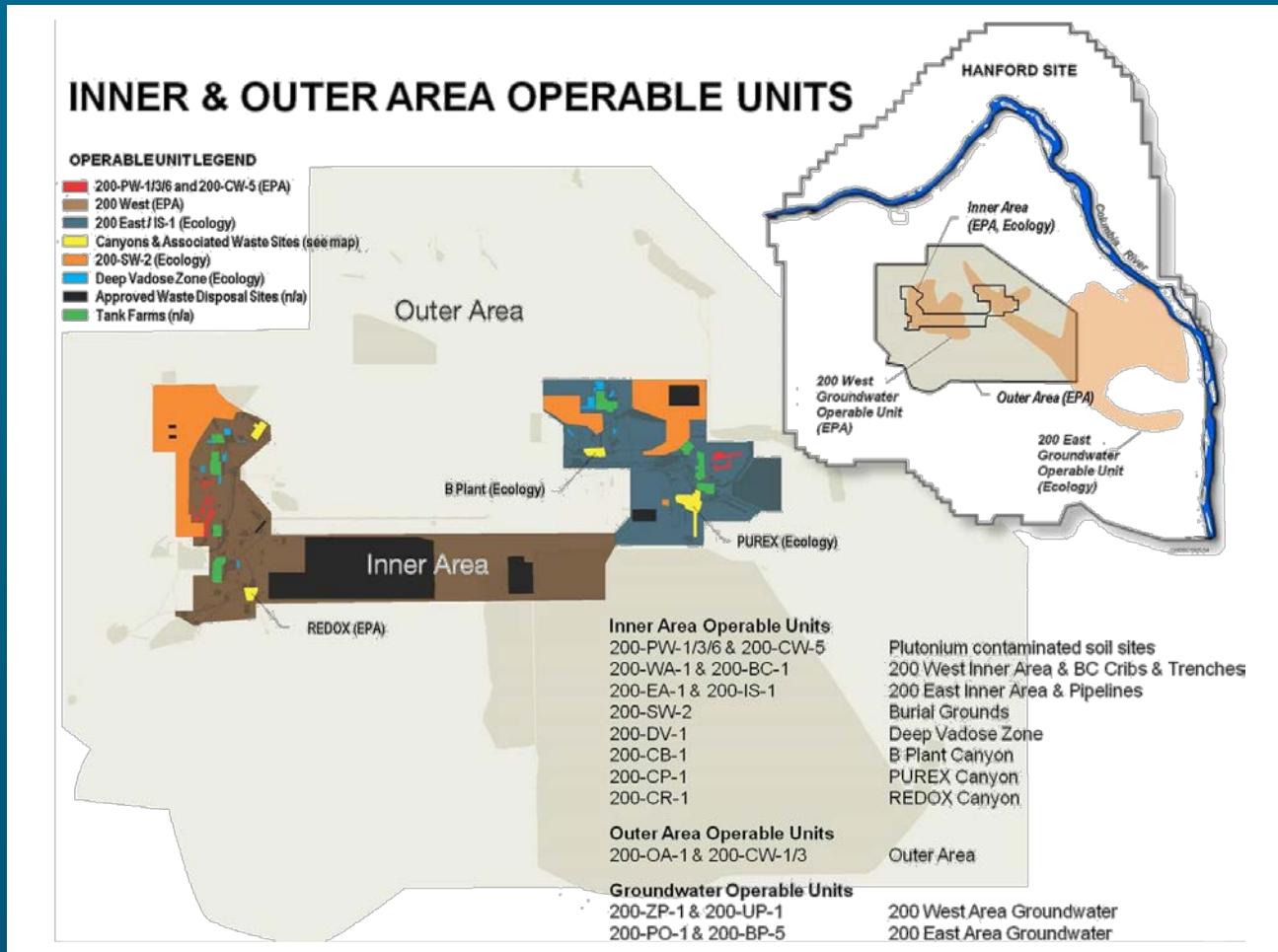
All Central Plateau Groundwater Interim and Final CERCLA Records of Decision Issued, Remedies Selected, and Treatment Capacity Increased to 1.3 Billion Gallons a Year for 200 East and 200 West Areas

December 2019



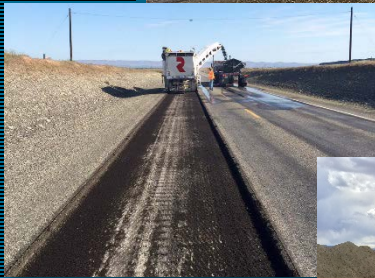
Initiate Characterization of the Central Plateau 200 West Inner Area & BC Cribs & Trenches

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

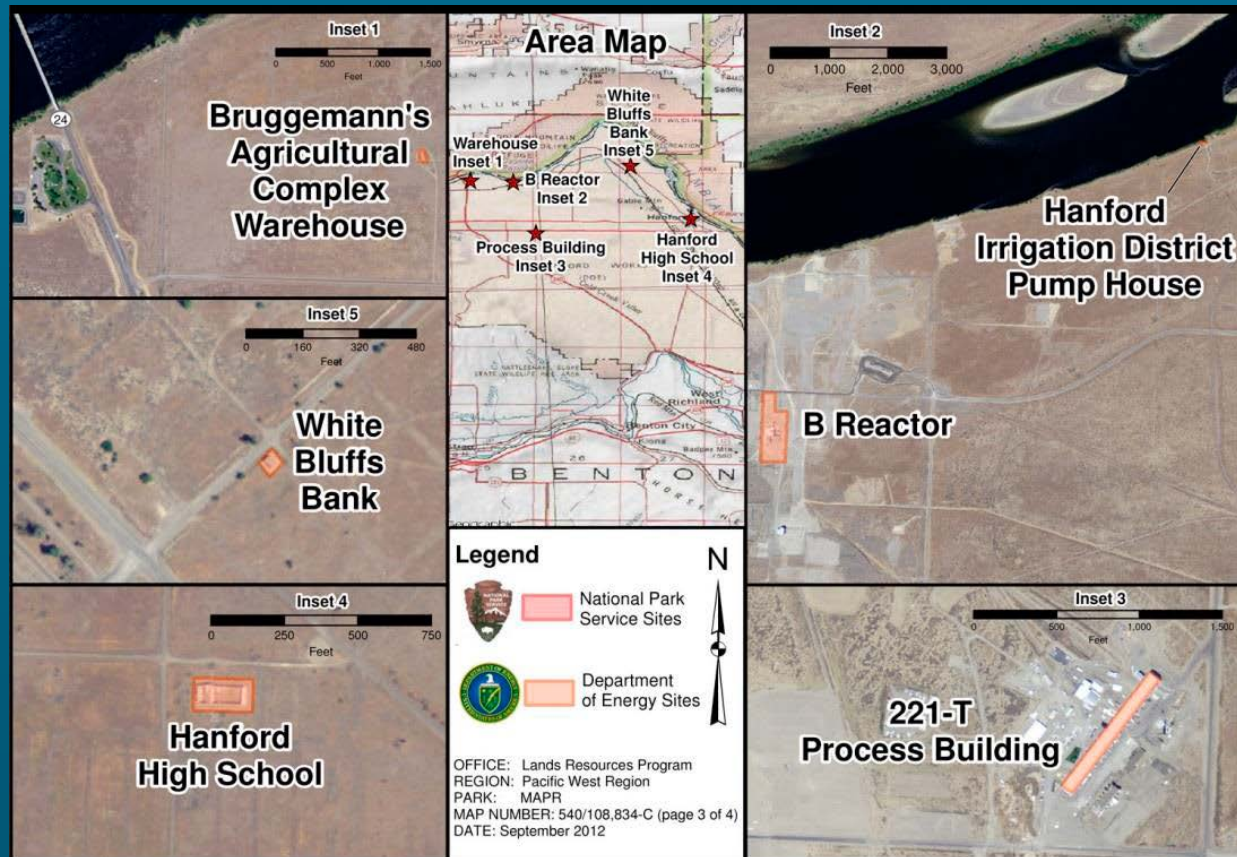
December 2019



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

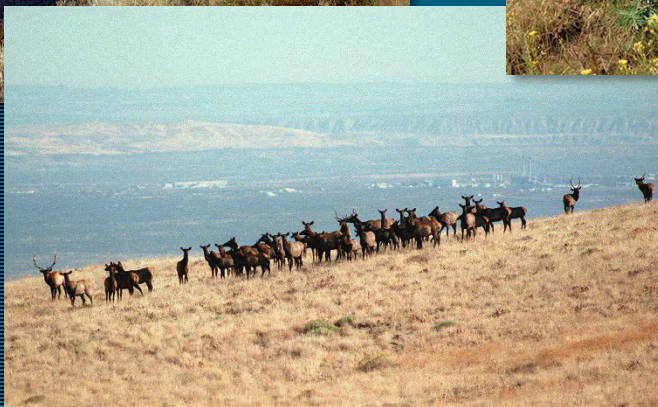
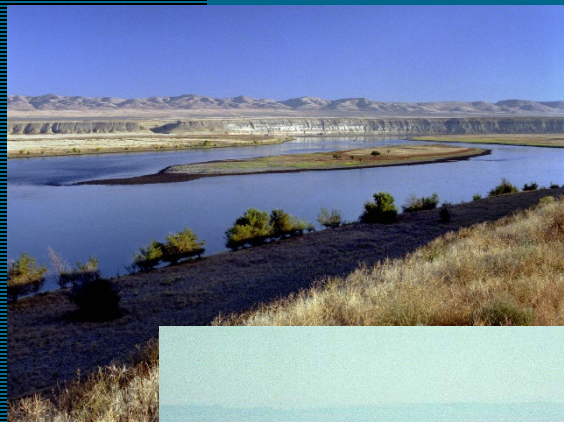
Transition Plan Completed - March 2017

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>Tank Operations Contract TOC</p> 	<p>Plateau Remediation Contract PRC</p> 	<p>Mission Support Contract MSC</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: \$5.9B CPAF</p>	<p>Total Contract Value: \$5.8B CPAF</p>	<p>Total Contract Value: \$3.6B CPAF</p>
<p>Expires 9/30/2018</p>	<p>Expires 9/30/2018</p>	<p>Expires 5/25/2019</p>
<p>222-S Laboratory Analysis & Testing Services Contract</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) Expires 9/21/2020</p> 		<p>Occupational Medical Services Contract - HPMC</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) Expires 9/30/2018</p> 

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

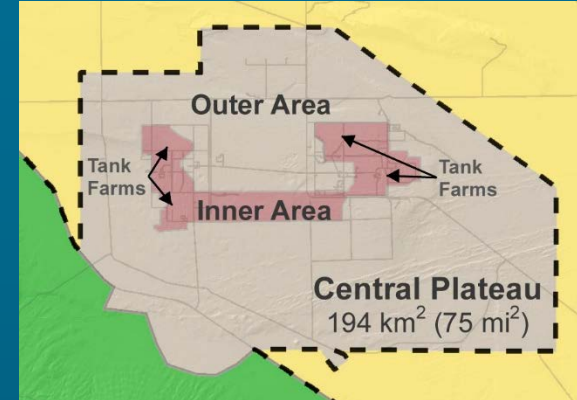
Working with the U.S. Department of Justice to Reduce the U.S. Natural Resource Damages Liability by Initiating Partial Settlement(s) for Significant Hanford Natural Resources, such as Groundwater

October 2019



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

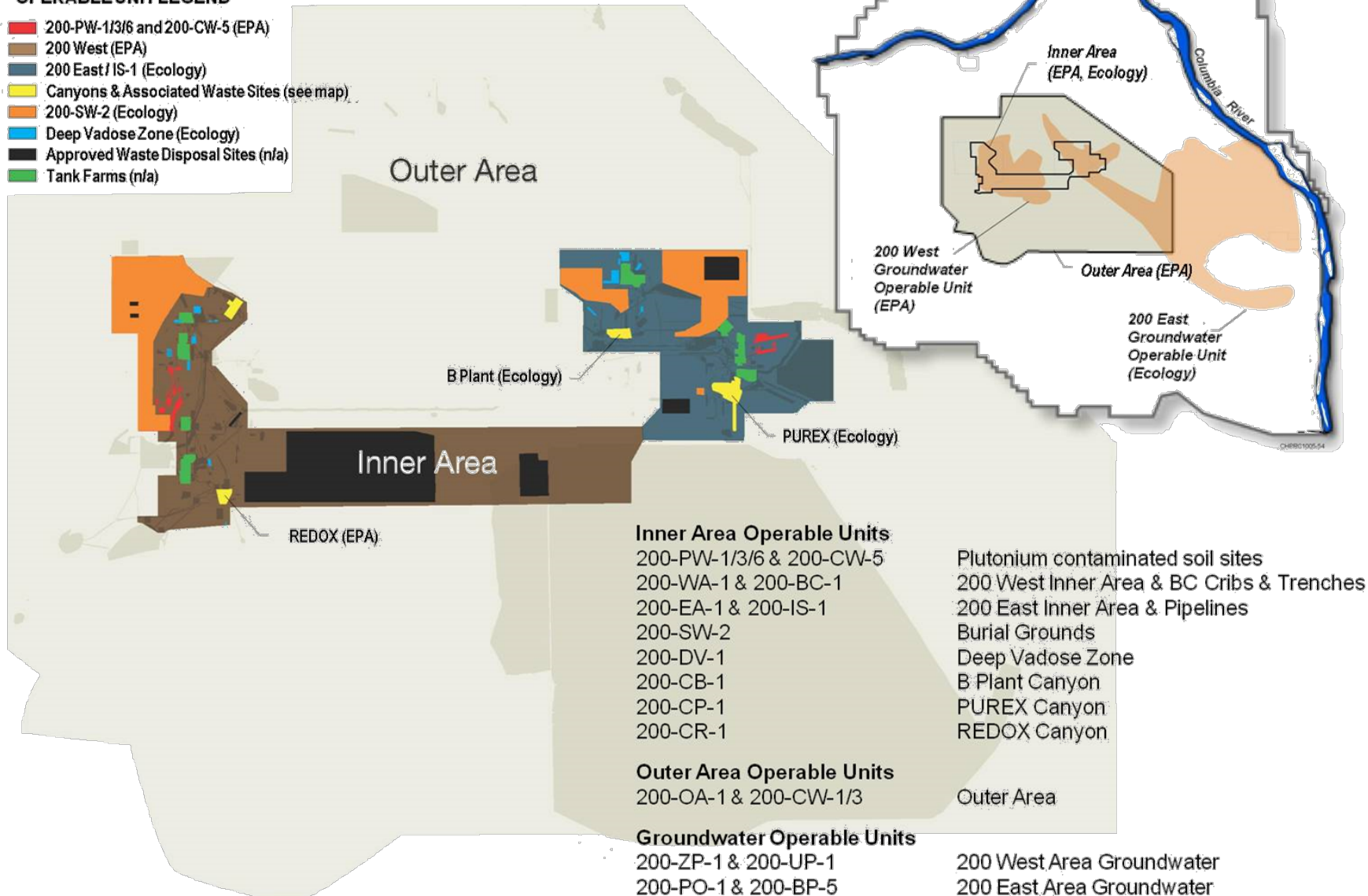
- **RL/ORP co-location - 2016**
- **Hanford 5-Year Succession Plan - 2016/2017**
- **Hanford Integrated Priority List (DFLAW 2022 focused) - 2017**
- **Consolidated Hanford systems, processes, and procedures - 2018**
- **Hanford contracts awarded and transition initiated - 2019**
- **Integrated Hanford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



Inner Area Operable Units

- 200-PW-1/3/6 & 200-CW-5
- 200-WA-1 & 200-BC-1
- 200-EA-1 & 200-IS-1
- 200-SW-2
- 200-DV-1
- 200-CB-1
- 200-CP-1
- 200-CR-1

- Plutonium contaminated soil sites
- 200 West Inner Area & BC Cribs & Trenches
- 200 East Inner Area & Pipelines
- Burial Grounds
- Deep Vadose Zone
- B Plant Canyon
- PUREX Canyon
- REDOX Canyon

Outer Area Operable Units

- 200-OA-1 & 200-CW-1/3

Outer Area

Groundwater Operable Units

- 200-ZP-1 & 200-UP-1
- 200-PO-1 & 200-BP-5

- 200 West Area Groundwater
- 200 East Area Groundwater