

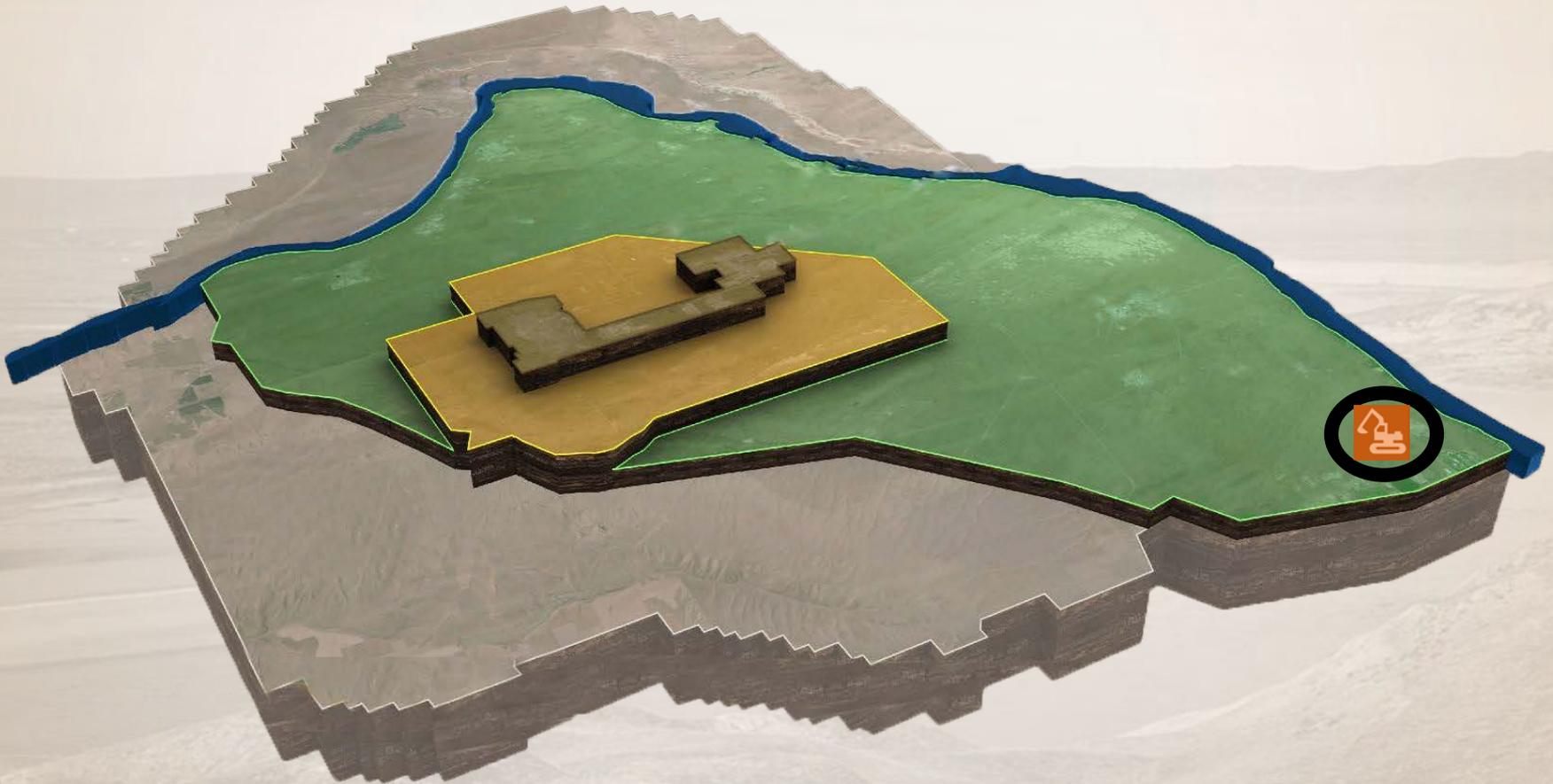


Richland Operations Office **HAB Agency Update** Tom Fletcher, Deputy Manager

RICHLAND
OPERATIONS OFFICE
United States Department of Energy



River Corridor Cleanup



324 Building and its proximity to the Columbia River.

324 Building

Preparations to Remediate Contaminated Soil Under
324 Building (300-296 Waste Site)



Strategy: Remove the smallest amount of contaminated soil required for conventional remediation of 324 Building.

324 Building

Preparations to Remediate Contaminated Soil (cont'd)



Workers install equipment at mock-up of 324 Building



Upper remote excavator arm fully assembled at manufacturer



Workers made first entry into 324 Building C Cell in more than 15 years



Workers cleaned all large items out of 324 Building airlock and began preparations for cleaning out C Cell

618-10 Burial Ground and Associated Waste Sites



November 2016



January 2018



Workers moving equipment to other project sites for re-use

K Area Sludge Removal Project



Workers training on Sludge Transport & Storage Container (STSC) transport during operational demonstrations

CH2M HILL Plateau Remediation Company (CHPRC) is reviewing sludge retrieval procedures and processes to prepare for project startup as part of CHPRC contractor-led Operational Readiness Review



T Plant is Ready to Receive K Basins Sludge

Aerial photo of T Plant - 2016



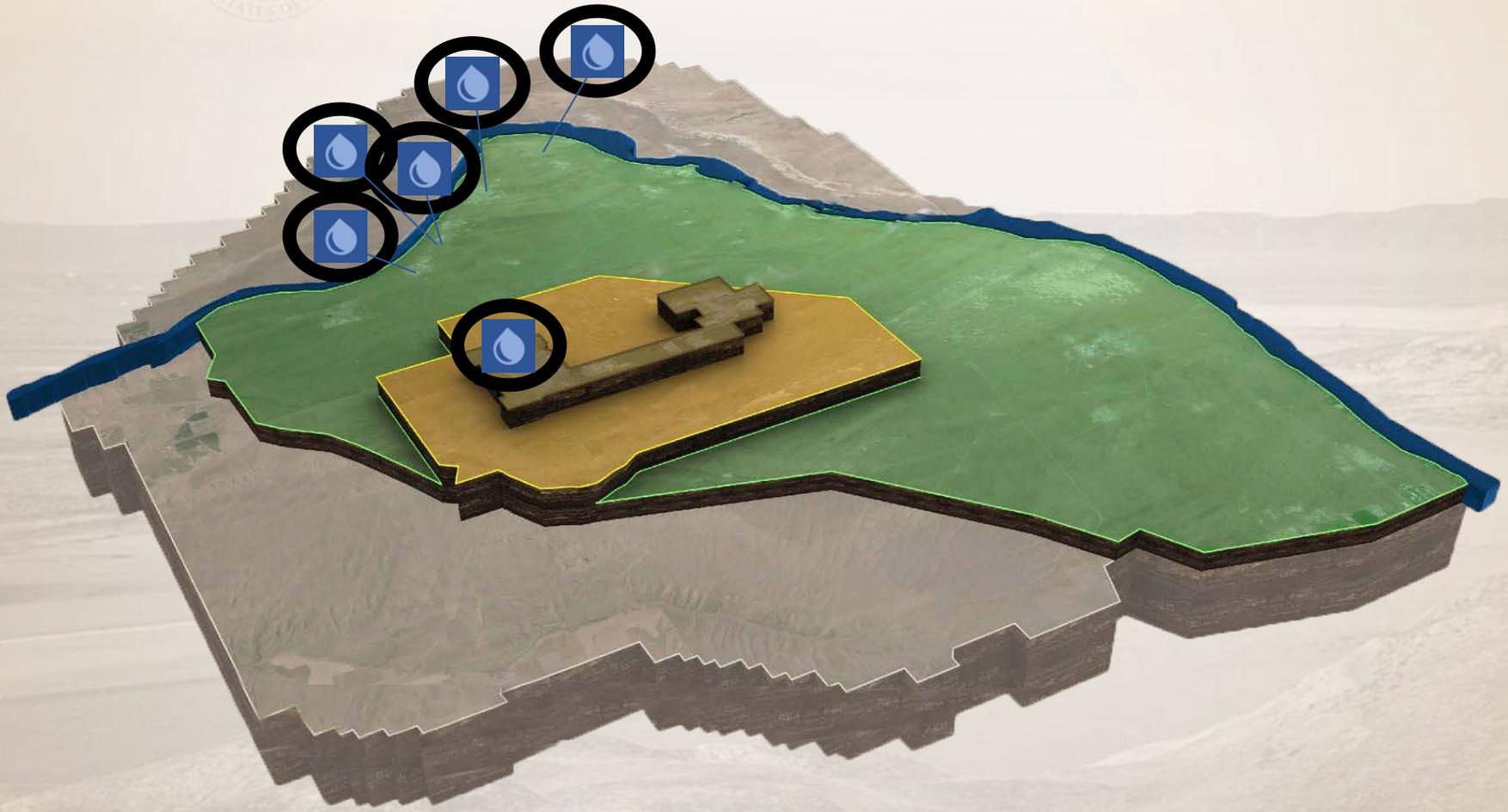
Workers preparing to unload an STSC in the T Plant tunnel, as part of receipt preparations



Workers performing STSC critical lift into tunnel



Soil and Groundwater Remediation



Groundwater Update

**200 West
pump-and-
treat facility
hit a volume
treatment
record**



Workers making upgrades to pump-and-treat groundwater treatment vessels along the river, to increase capacity

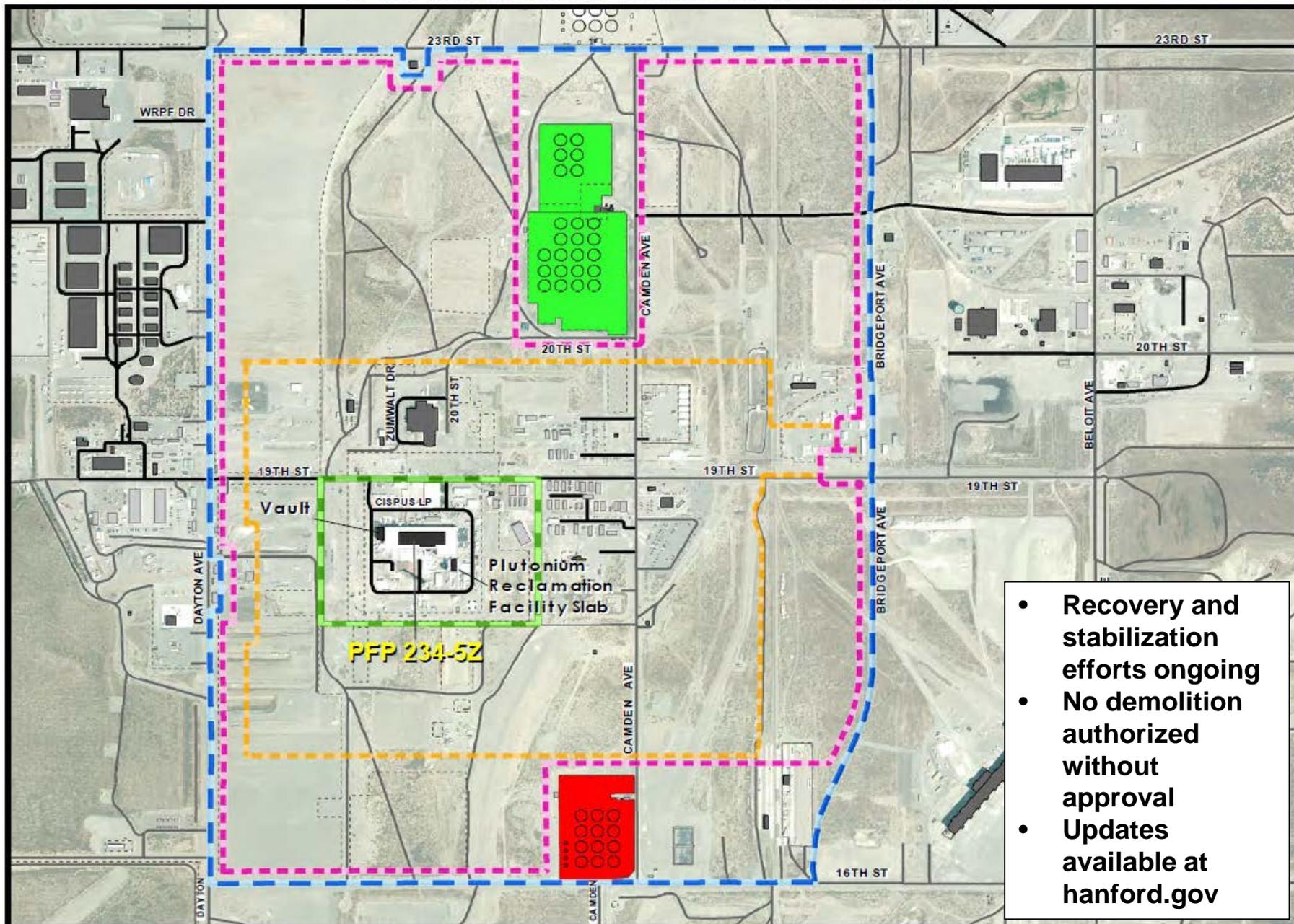


Plutonium Finishing Plant (PFP)

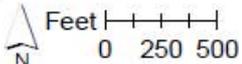


Demolition of the Plutonium Finishing Plant is on hold after spread of contamination. Focus is on worker safety/concerns, stabilizing project site.

PFP STABILIZATION BOUNDARIES



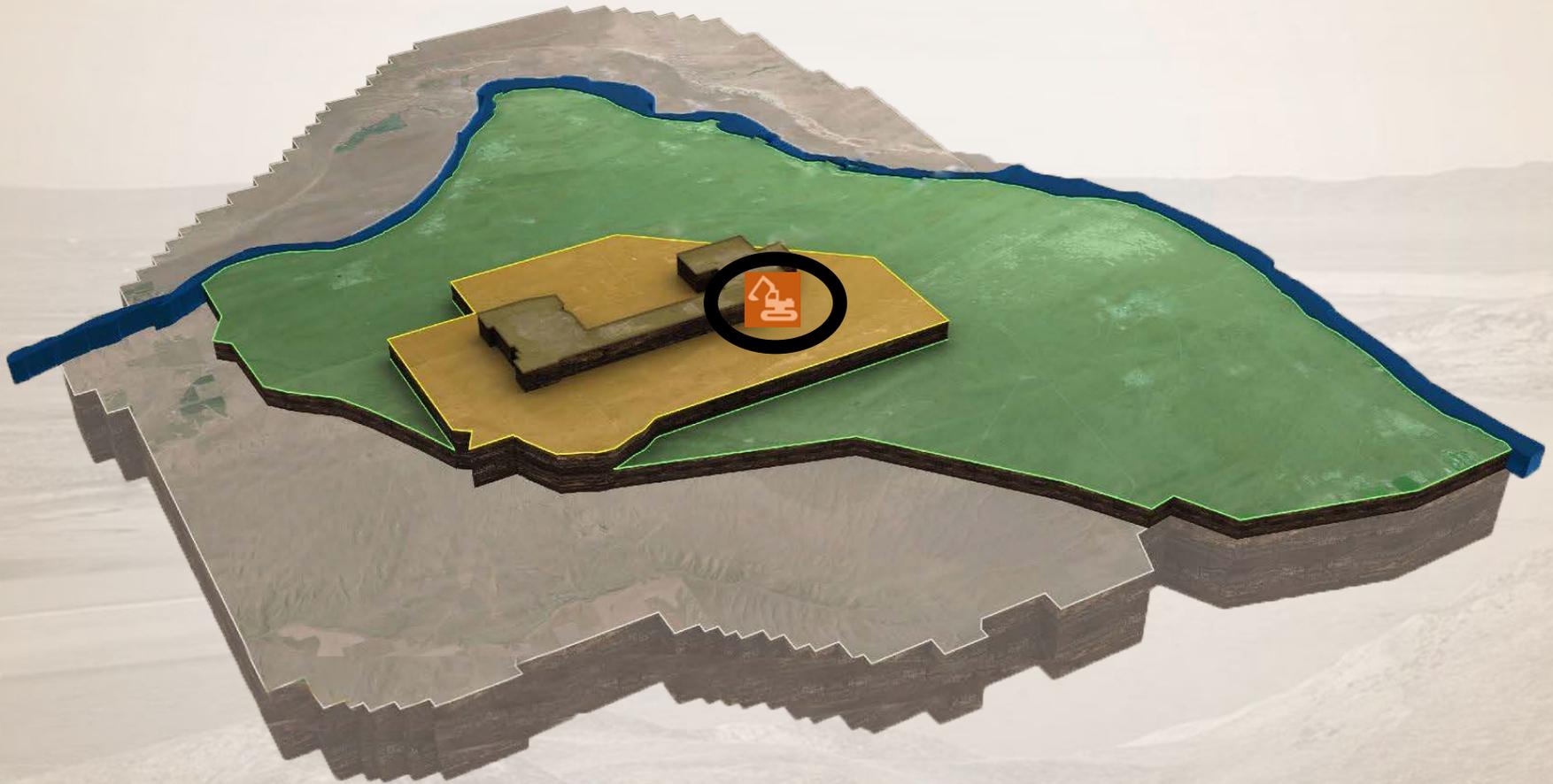
- Recovery and stabilization efforts ongoing
- No demolition authorized without approval
- Updates available at hanford.gov



Access Control Boundary	HCA/ARA Boundary (ALT-3)	WRPS Managed RBA	Building	Structure
CA Boundary (ALT-2)	RBA Boundary (ALT 1)	WRPS Managed CA	Trailer	Fence

Map As of 7:40:14 AM 2/20/2018
MSA Central Mapping Services
(Reference Map)

Plutonium Uranium Extraction (PUREX) Plant Tunnels



Safely stabilizing PUREX Tunnels 1 and 2

PUREX Tunnel 1



Clockwise from top left: The crew after filling the south section of Tunnel 1; grouting during the graveyard shift; the backfilled collapsed section of Tunnel 1; workers complete grout system installation during preparations.



PUREX Tunnel 2

Corrective Action 1 – Potential exists for localized collapse of Tunnel 2; structural stabilization recommended as soon as possible.

Corrective Action 2 – Identified stabilization options for Tunnel 2 and additional surveillance measures instituted at both tunnels. Expert panel convened to recommend stabilization measures for Tunnel 2.

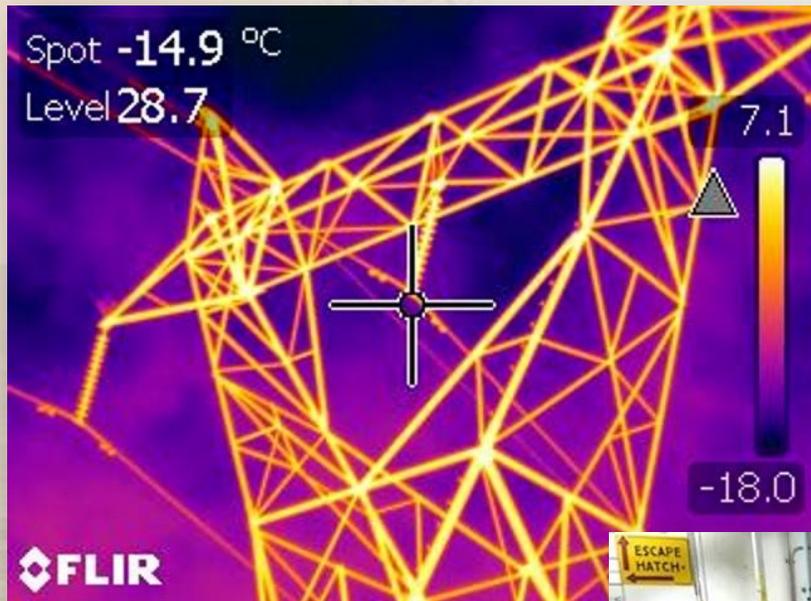
Corrective Action 3 – Ecology comments incorporated, resulting in permit modification request currently under 60-day public review (ending April 12, 2018).

- ***The Class 3 Permit Modification describes interim response action taken on Tunnel 1, interim closure steps for Tunnel 2, and requests interim closure of both tunnels***
- ***Public meeting, March 14, 2018, 5:30 p.m., at the Richland Public Library***



Aerial view of PUREX Tunnel 2

Safety, Security and Infrastructure



State-of-the-art thermography to inspect and assess electrical lines.



Workers performed repairs on aging water pump to ensure ongoing water operations for the Central Plateau.



New, safer and more efficient transformers were installed for increased reliability at the water utilities reservoir and pump house. In all, 20 one-ton units were recycled.

How Can You Get Involved?



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