



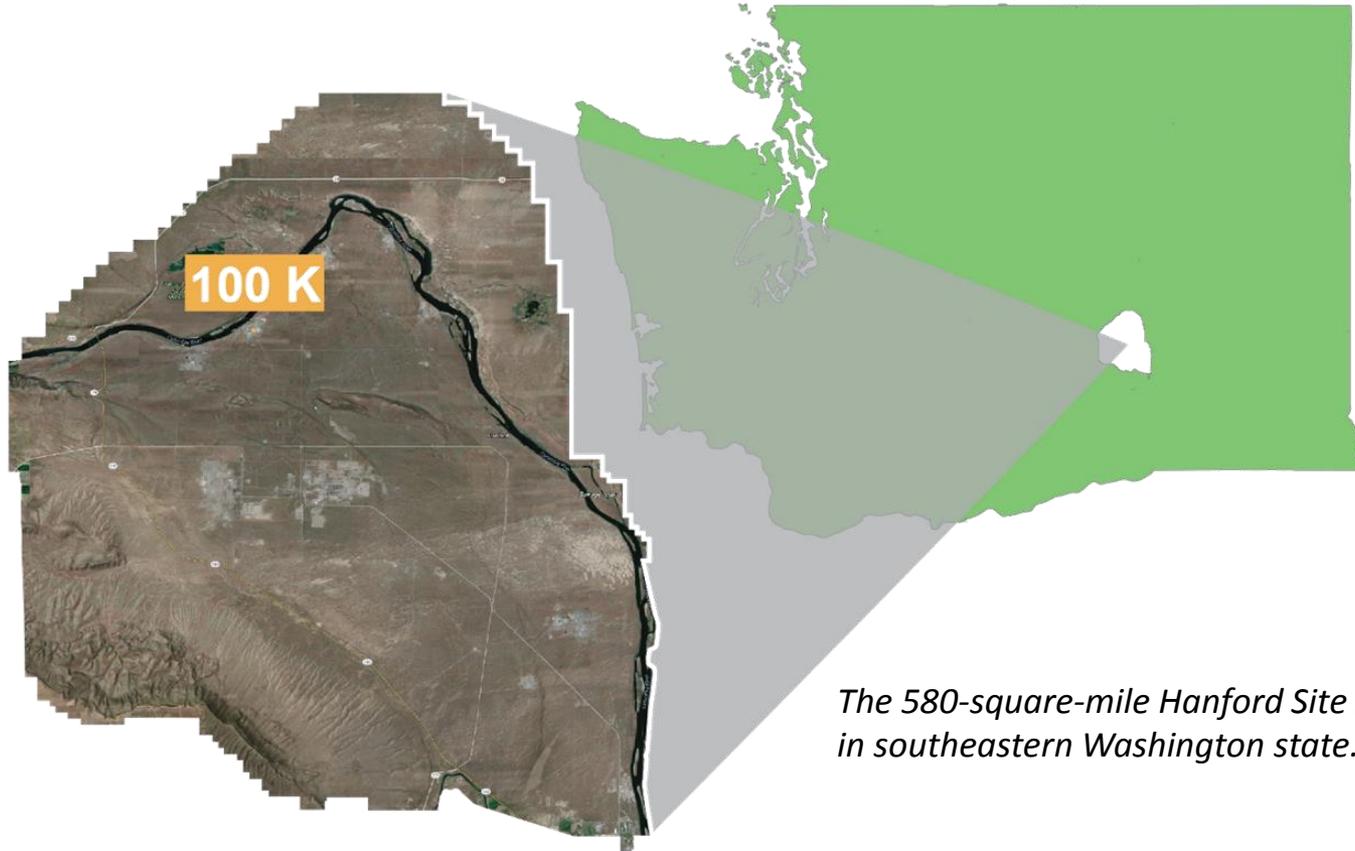
THE HANFORD SITE

September 2018

SLUDGE REMOVAL PROJECT



Hanford Site Overview



The 580-square-mile Hanford Site is located in southeastern Washington state.



K West Sludge Removal Project



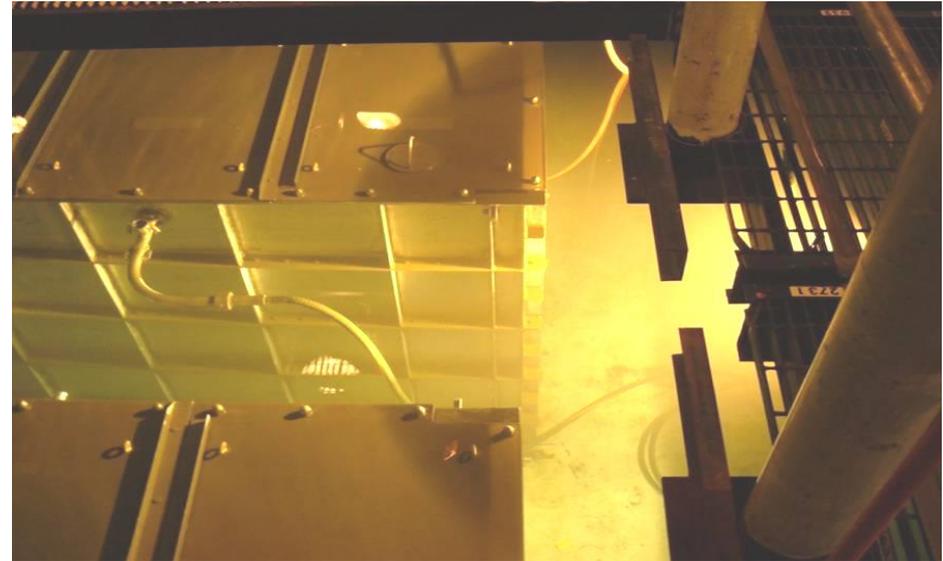
The Sludge Removal Project was a \$311 million Capital Line Item Project. It was completed \$21 million under cost and 16 months ahead of schedule.



The 100 K Area: 2009



Sludge Characteristics

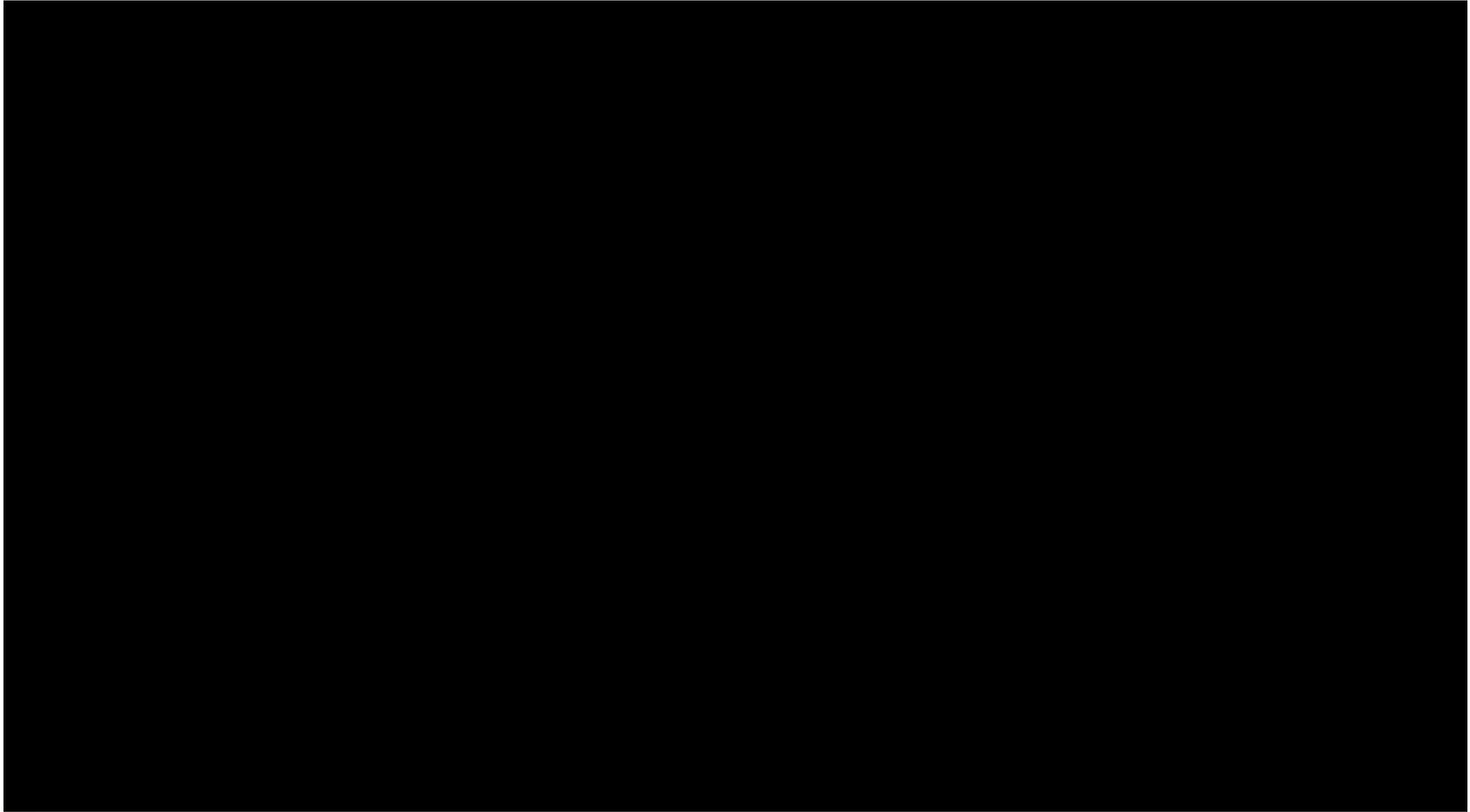


Approximately 35 cubic yards (27 cubic meters) of sludge was placed in six engineered containers located under about 17 feet of water in the K West Basin.



Sludge Retrieval Overview

[YouTube Link](#)



Sludge Removal Success!



During the first day of sludge retrieval, work in the K West Basin went as planned, due to extensive training and preparation.

From a nearby control room, monitors display the work inside the basin.



Sludge Removal Success!



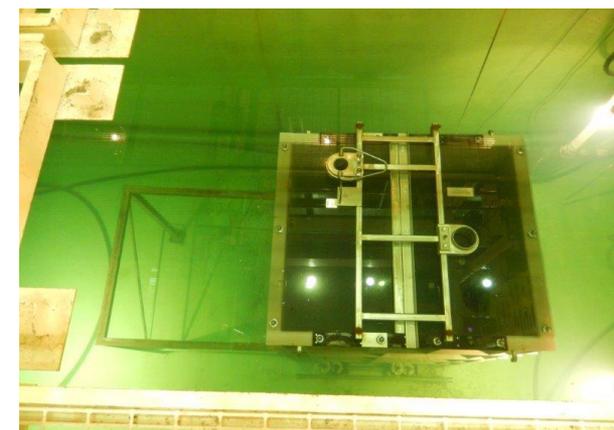
The first full sludge container left the K West Annex on June 25, 2018, and arrived at T Plant a few hours later.



Workers at 100 K (left) and T Plant (right) celebrate the first sludge shipment.



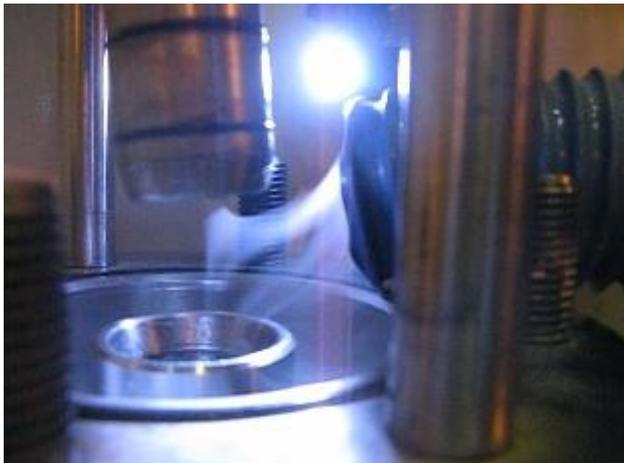
Preparing for Removal



CH2M HILL Plateau Remediation Company repurposed the Maintenance and Storage Facility to replicate the K West Basin and Annex.



Training for Removal



The Cold Test Facility supported employee training, procedure development and testing.



What's Next



Testing is underway on equipment to remove garnet filter media after sludge removal is complete.

2019: Finish removing sludge and begin deactivating basin

2023: Finish removing basin

2024: Finish all response actions in 100 K Area



This artist rendering shows the 105-K East Reactor safe storage enclosure.





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