



OFFICE OF
RIVER PROTECTION
United States Department of Energy

Agency Update

Oregon Hanford Cleanup Board

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Presented by: Waste Treatment & Immobilization Plant Startup and Commissioning

March 19, 2018



Mission

To safely manage the waste in Hanford's underground tanks while delivering the waste treatment capability needed for waste immobilization and final disposition.

Vision

To be a high-performing and innovative organization that is safety conscious, employee-focused, and committed to successfully achieving our environmental mission safely and efficiently.



Office of River Protection (ORP)

ORP is responsible for planning, integrating, and managing the River Protection Program executed by contractors performing work under ORP management. ORP has ~226 employees, both federal and contractor.

Washington River Protection Solutions (WRPS)

WRPS is the prime contractor responsible for safely managing and operating the Tank Farms. WRPS has 2,299 employees*.

Bechtel National, Inc. (BNI)

BNI is responsible for the engineering, construction, startup and commissioning of the Waste Treatment and Immobilization Plant. BNI has 2,771 employees*.

Wastren Advantage, Inc. (WAI)

WAI is the prime contractor responsible for managing the 222-S Laboratory. WAI has 61 employees.*



*As of February 26, 2018





The Tank Farms A 200 Area Aerial Overview

200 West Area

200 East Area

Effluent Treatment
Facility Ponds

Waste Treatment and
Immobilization Plant

- Single-Shell Tank Farm
- Double-Shell Tank Farm



- WRPS doing final waste volume calculation then DOE completes Retrieval Completion Certification & submits to Ecology
- WRPS working to remove and dispose of excess equipment in C-Farm
- Next step: working with Ecology on closure path forward



C-105 retrieval operations completed in November 2017



AY-102 interior after retrieval

- DOE submitted inspection report documenting decision to proceed with closure of AY-102 to Ecology
- Ecology responded with a letter stating that DOE and WRPS met all Settlement Agreement requirements
- Next step: DOE and Ecology to discuss path to closure

- Continued equipment removal and pit cleanout activities at AX-Farm tanks
- Installation includes new transformer; prep for A-Farm exhausters; water/chemical lines; and prep for new retrieval system control rooms



February 2018

Pump removal from AX-102

- Preparation underway to install two interim surface barriers to cover nine tanks, portions of three more
- Design of a third barrier to cover remaining portion of SX Farm is underway



December 2017

SX Farm Interim Barrier

- Continued focus on tank farms worker safety and health
- WRPS and HAMTC continue with process for third-party review of cartridge testing and hazard assessments before expanding APR use
- Office of Enterprise Assessments (EA-32) performed its follow-up assessment in summer / fall 2017
- EA-32 report issued Feb. 28, 2018
- ORP is reviewing the results and will continue to work closely with WRPS to address recommendations aimed at improving safety of workers in the tank farms





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***"Protecting our workers,
the public, and the environment"***

The Hanford Reach
White Bluffs Overlooking the Columbia River

