Progress on Hanford’s Tank Waste Treatment Mission

Brian Vance

Office of River Protection Manager
ORP Mission: To safely manage the waste in Hanford’s underground tanks while delivering the waste treatment capability needed for waste immobilization and final disposition
Hanford Tanks Overview

**Single-Shell Tanks (SSTs)**
- 149 SSTs constructed 1943 - 1964
- 17 retrieved to regulatory standards

**Double-Shell Tanks (DSTs)**
- 28 constructed 1968 - 1986
- 1 retrieved to regulatory standards
2,000 Gallon Test Bed Initiative

242-A Evaporator Conceptual Layout
Conceptual TSCR Layout

ANCILLARY ENCLOSURE

CONTROL ENCLOSURE

SAFETY SHOWER

ION EXCHANGE COLUMN STAGING

TSCR

EXHAUST STACK (IF REQUIRED)
Transition to Operations

Culture shift for the Hanford Site
• Focusing on safe, efficient mission execution

• Preparing for DFLAW operations

• Collaborating with Washington Department of Ecology and all key stakeholders for successful project delivery
Progress on Hanford’s Tank Waste Treatment Mission

Brian Vance

Office of River Protection Manager