



OFFICE OF
RIVER PROTECTION
United States Department of Energy

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

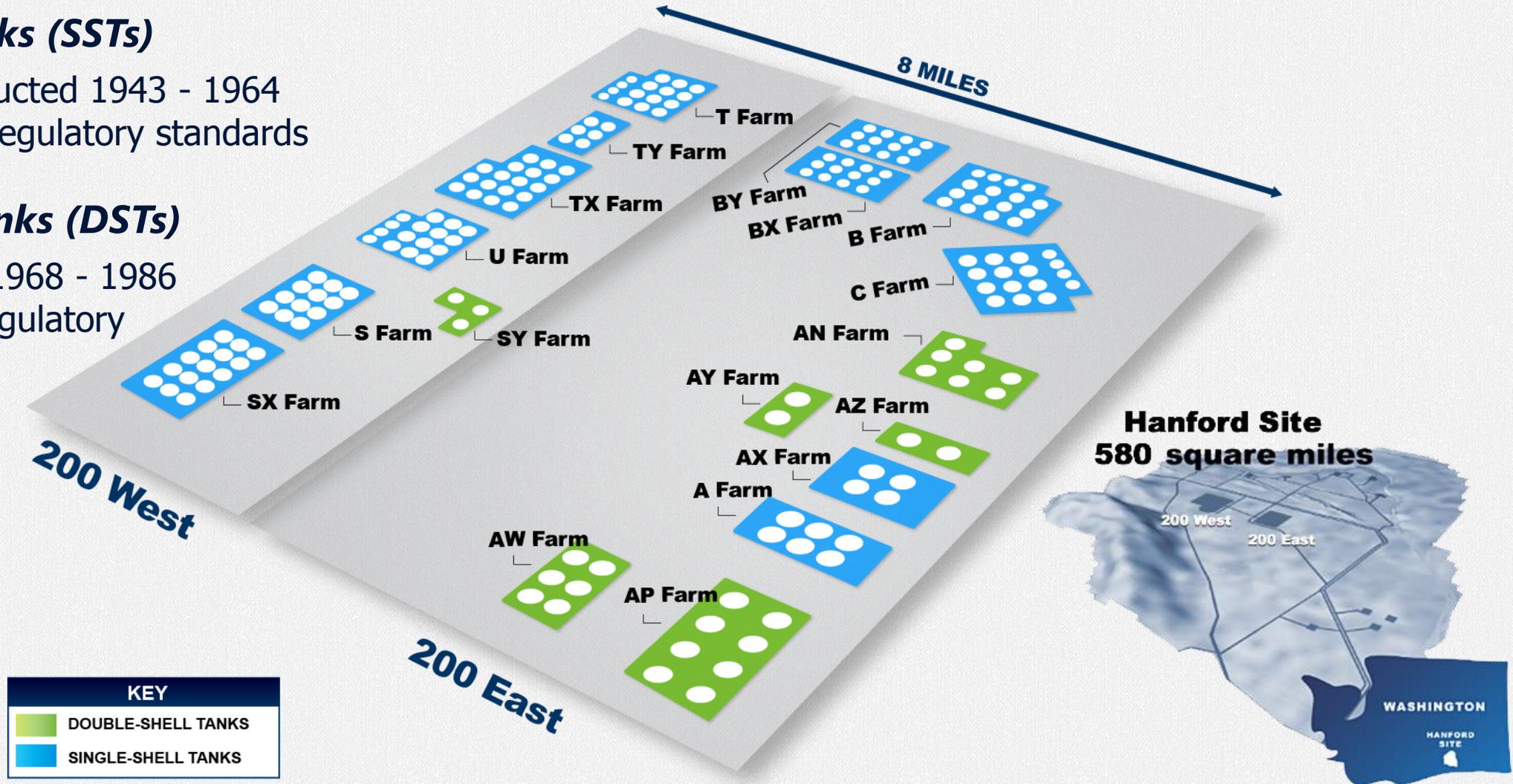


Single-Shell Tanks (SSTs)

- 149 SSTs constructed 1943 - 1964
- 17 retrieved to regulatory standards

Double-Shell Tanks (DSTs)

- 28 constructed 1968 - 1986
- 1 retrieved to regulatory standards





DFLAW

DIRECT FEED LOW-ACTIVITY WASTE



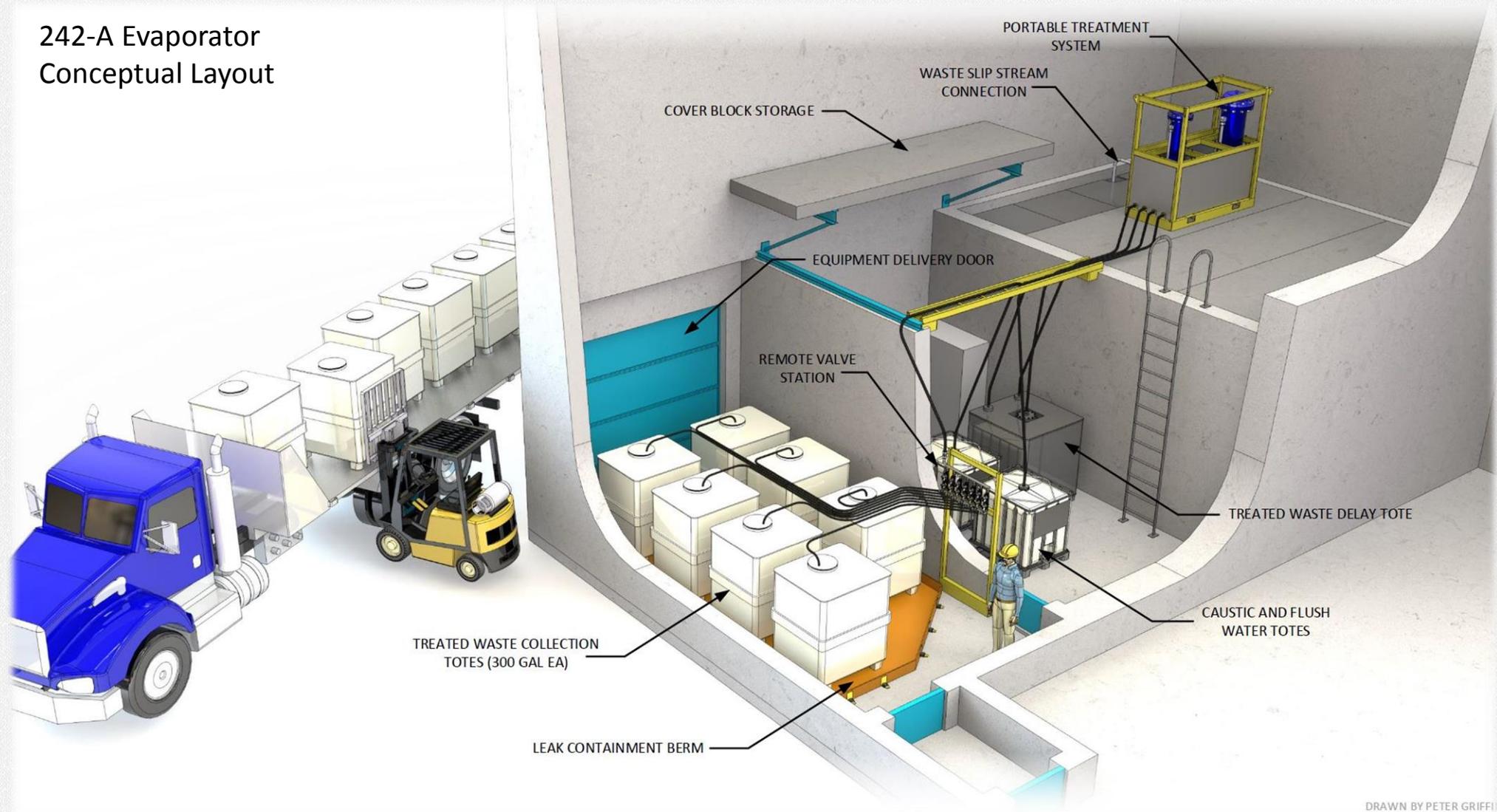
KEY

- TSCR Campaign
- - - Cesium Transport - TSCR to IXC Storage Pad
- Untreated Tank Waste
- Pretreated Low-Activity Waste (LAW)
- Liquid Effluent Feed from LAW Facility

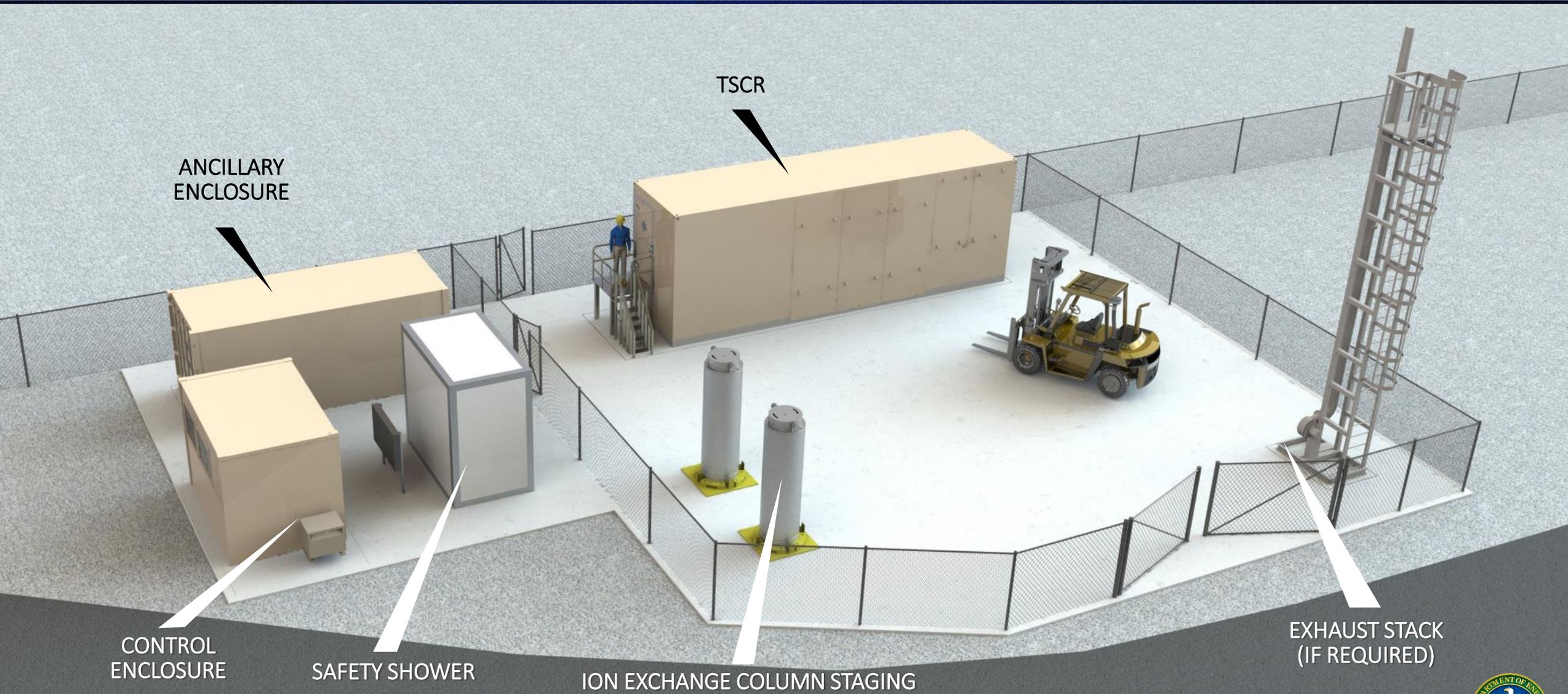




242-A Evaporator Conceptual Layout



DRAWN BY PETER GRIFFIN
DATE: 11/16/2010



ANCILLARY ENCLOSURE

TSCR

CONTROL ENCLOSURE

SAFETY SHOWER

ION EXCHANGE COLUMN STAGING

EXHAUST STACK (IF REQUIRED)





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





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