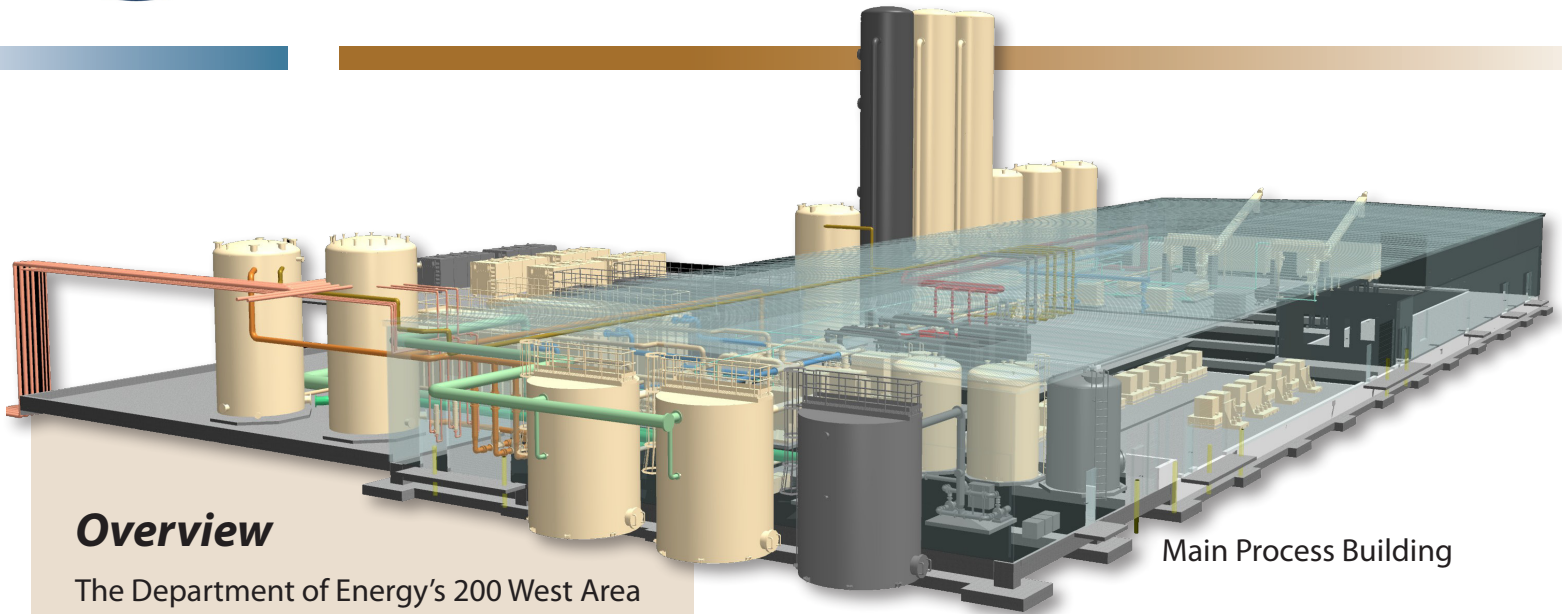




200 West Groundwater Treatment Project

A Department of Energy Recovery Act Project



Main Process Building

Overview

The Department of Energy's 200 West Area Pump and Treat System at the Hanford Site is set to be the largest treatment system for contaminated groundwater to date.

Once constructed, the treatment system will pump contaminated water from the ground and remove several chemical and radioactive contaminants, including the primary contaminant of concern - carbon tetrachloride. During the Cold War, liquids contaminated with chemicals and radioactive elements were discharged from plutonium production facilities to several soil disposal sites, resulting in a five-square-mile area of groundwater contaminated above drinking water levels. Leaks from large underground storage tanks also contributed to a much smaller area of contamination.

The 200 West Area Pump and Treat System will not only remove contamination but also slow the movement of the contamination toward the river by pushing it back toward the Central Plateau.

During the life of the new system:

- 24.7 Billion gallons of groundwater treated
- 35,000 to 50,000 kg of carbon tetrachloride extracted and treated

Completion Dates

Site Selection	December 2008
RD/RA Work Plan	March 2009
Functional Design Criteria	February 2009
Resin Optimization Test	October 2009
Design	January 2010
Regulatory, Permitting, and Safety	March 2011
Construction	December 2011
Long-Lead Procurements	September 2010
Start of Operations	December 2011

For more information:

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