West Valley Demonstration Project

Permeable Treatment Wall Installation
October 12 – Present

North Plateau

Electrical Substation

Construction
Demolition and Debris Landfill

Lag Buildings

Lagoons
Summary of Installation

- Oct 12-13  Trencher arrives on site
- Oct 14-16  Trencher assembly
- Oct 17     Started trenching
- Oct 19 (pm) Stopped to address – conveyor, soil containment
- Nov 1      Put conveyor back in place
- Nov 2      Resumed trenching
- Nov 7      Stopped at location 105+94 just before the final turn in the PTW alignment – additional zeolite is arriving and final concrete placement in soil containment is drying
- Nov 10 or 11 Planned restart
Site Preparation

September through mid-October

The former roadway is the location of the PTW; the containment structure is located between the PTW and the new roadway.

Former roadway, now covered PTW is left of the containment

New Roadway to the right of the containment
Trenching Started

October 17

The one-pass trencher excavates the soil and places the zeolite material in one action.

Three "stone-slinger" trucks carry the zeolite to the trencher.

Soil Containment and Conveyor

Required Modifications
Soil Containment and Conveyor

Required Modifications

Trenching

November 6
PTW Installed to Final Turn

November 7

Completed to here

Activities Other Than Trenching

- PTW covered / capped as installed
- Construction area will be graded, as needed, and hydro-seeded
- Soil containment will be covered (high-density polyethylene)
- Monitoring wells (2") installed up- and down-gradient of PTW and in wall
  - Dye tests conducted to investigate groundwater flow