



West Valley Demonstration Project

West Valley
Environmental
Services

Permeable Treatment Wall Installation

October 12 – Present

Nov 17, 2010

20868

John Chamberlain, WVES
November 17, 2010, CTF Meeting



North Plateau



Electrical
Substation

Construction
Demolition
and Debris
Landfill

Lagoons

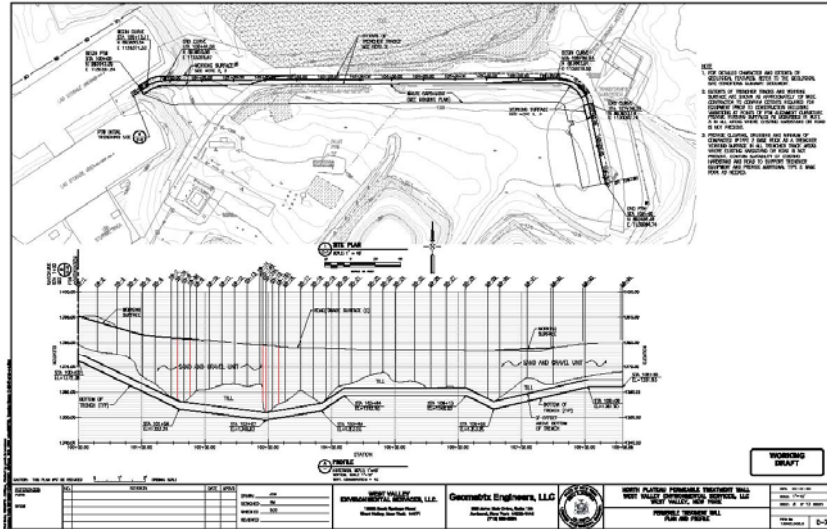
Lag Buildings

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WVES LLC

PTW Alignment and Cross Section



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WVES LLC

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

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Diagram of PTW Construction Area



Site Preparation

September through mid-October



Former roadway, now covered PTW is left of the containment

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



New Roadway to the right of the containment



Trenching Started

WVES LLC

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

WVES LLC

Required Modifications





WVES LLC

Soil Containment and Conveyor

Required Modifications



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WVES LLC

Trenching

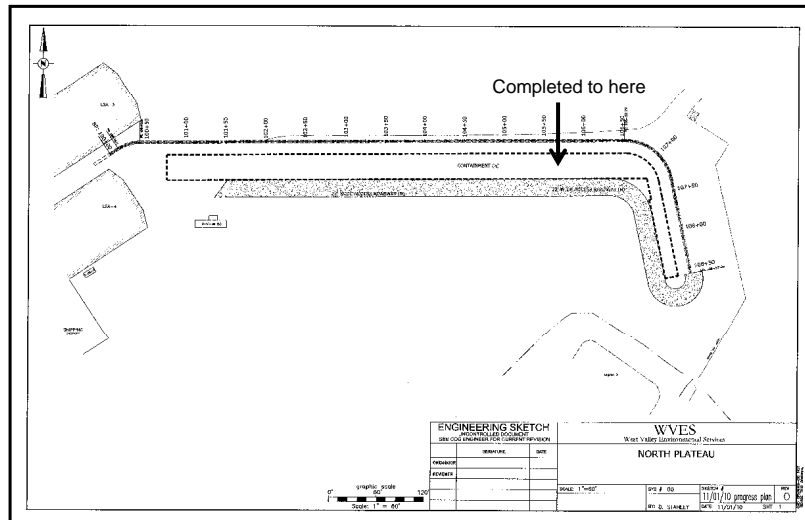
November 6



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PTW Installed to Final Turn

November 7



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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

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