



MEYERS LANDFILL

OU-1 Waste Mass Remedial Action

South Lake Tahoe, CA



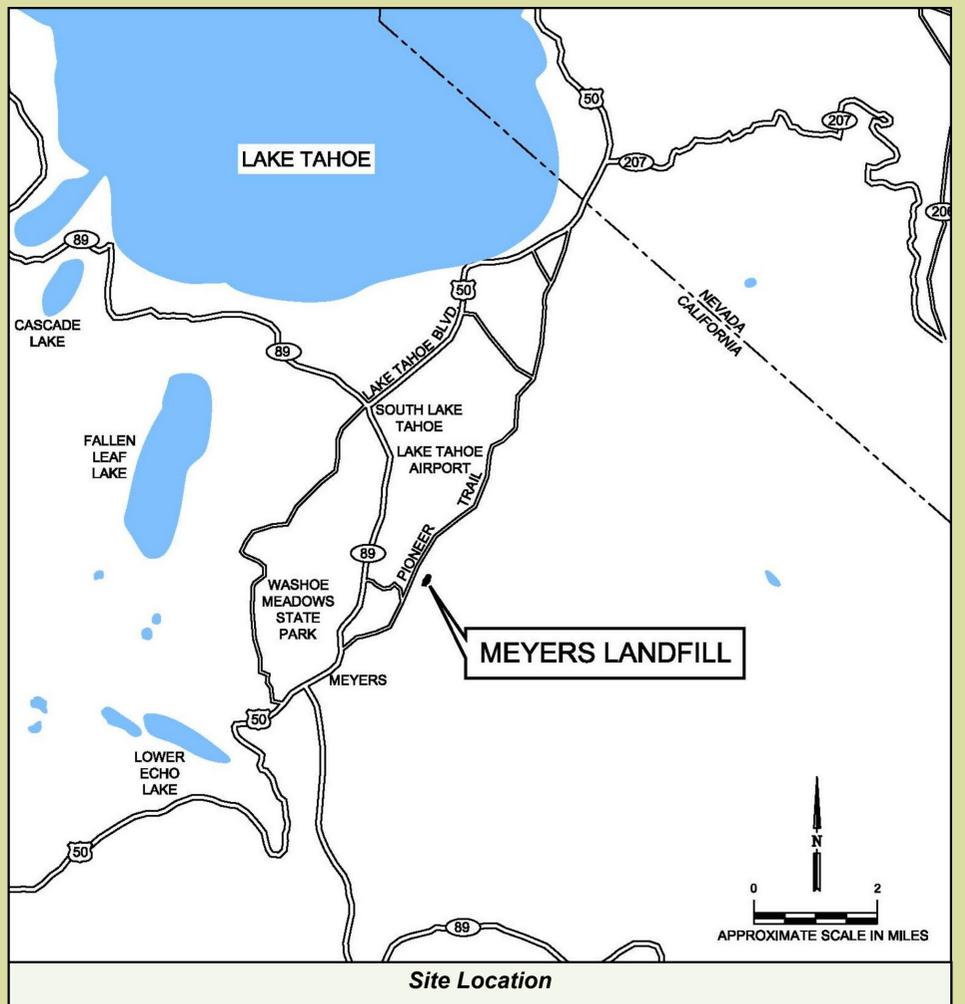
U.S. Department of Agriculture Forest Service, Lake Tahoe Basin Management Unit

Site Location

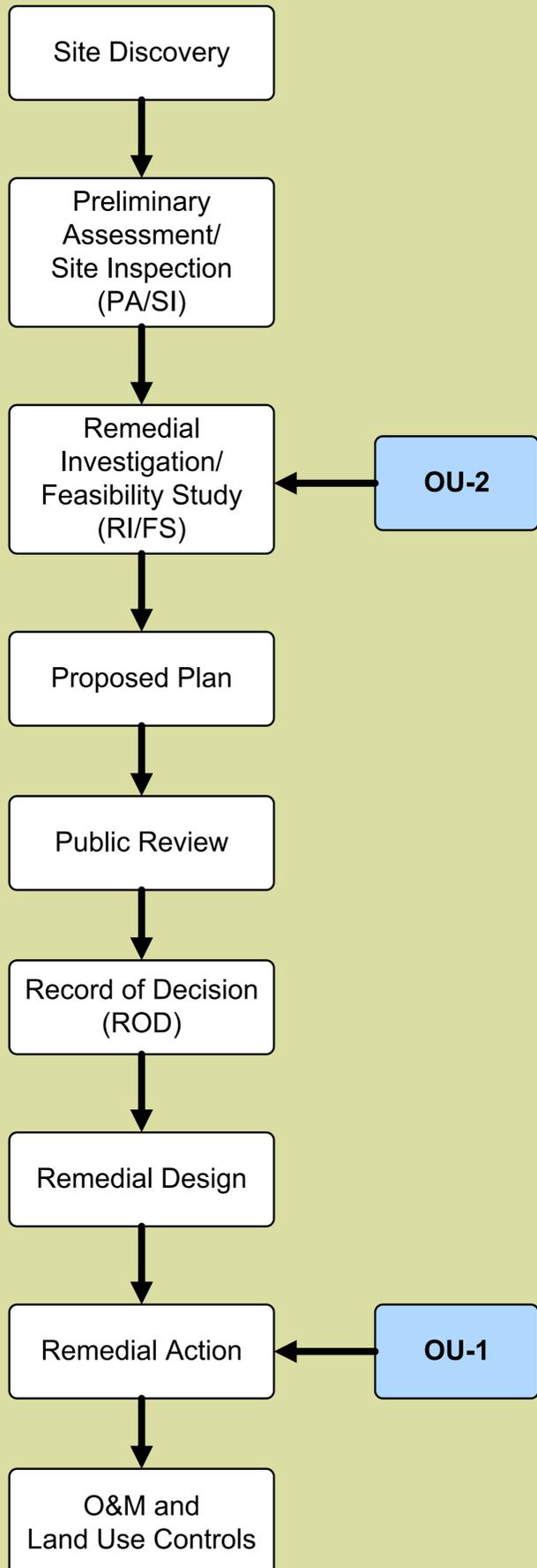
The site is located off of Pioneer Trail, along Garbage Dump Road and is bounded to the north by Sierra Pacific Power Company's electrical substation, to the east by Saxon Creek, and to the south by an intermittent stream valley. A South Tahoe Public Utilities District sewer trunk line runs along the eastern and northern edges of the landfill.



Meyers Site Before Remedial Action



Site Location



Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)

The Forest Service is the lead agency in charge of the cleanup, under CERCLA. In 2006, the Meyers Landfill Site was separated into two operable units (OUs): OU-1, the landfill waste mass, and OU-2, the groundwater plume. The flow chart to the left outlines the basic CERCLA process and where each OU is in the process.

Remedial Action Objectives (RAOs)

The objective of the remedy for Operable Unit 1 (OU-1) is to protect humans and wildlife while allowing reuse of the property in accordance with the current and reasonably anticipated future land uses with appropriate restrictions to protect the final cover. The new landfill cover system will meet the following RAOs for OU-1:

- Prevent direct contact with landfill contents
- Minimize infiltration and any resulting contaminant leaching to groundwater
- Control surface water runoff and erosion
- Control and treat landfill gas

Historic Information

The Meyers Landfill Site is a closed 17-acre waste disposal site that was operated by third parties under special use permits from about 1947 through 1971, when it was closed and covered with 2 to 4 feet of soil.

Waste disposed of at the landfill included solid waste from residential and commercial sources around the Lake Tahoe Basin.



Municipal Waste Beneath Exposed During Consolidation Work Along Toe of Landfill



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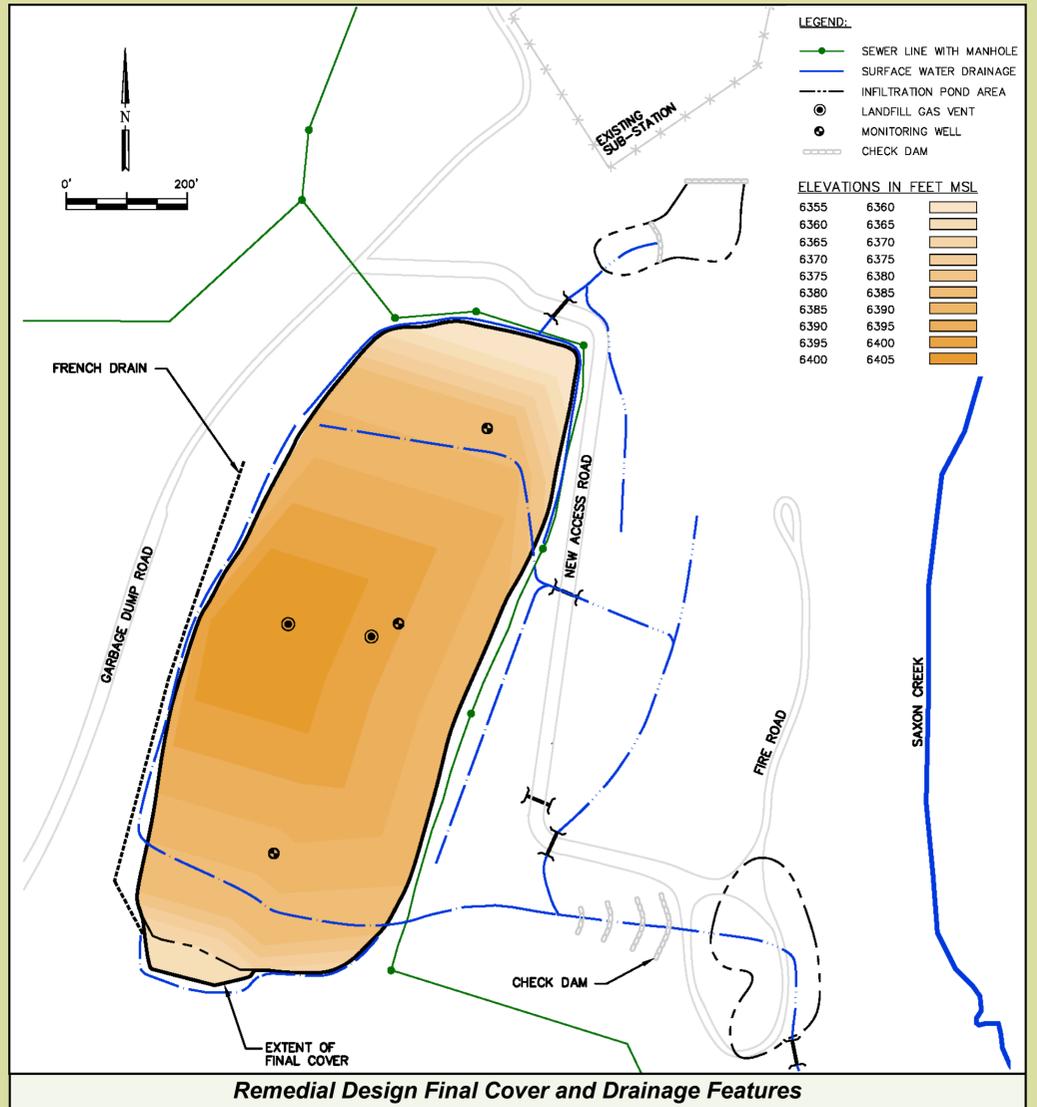
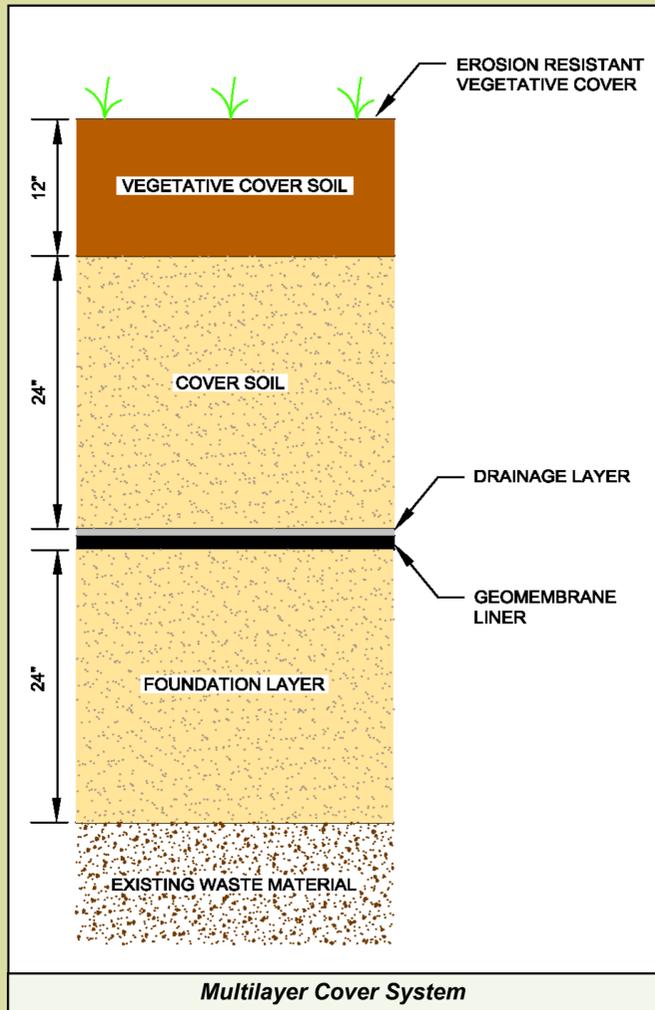
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Remedial Design for Waste Mass

The Remedial Design was based on the remedy evaluated in the Remedial Investigation/Feasibility Study Report and selected in the Record of Decision for Operable Unit 1 (OU-1).

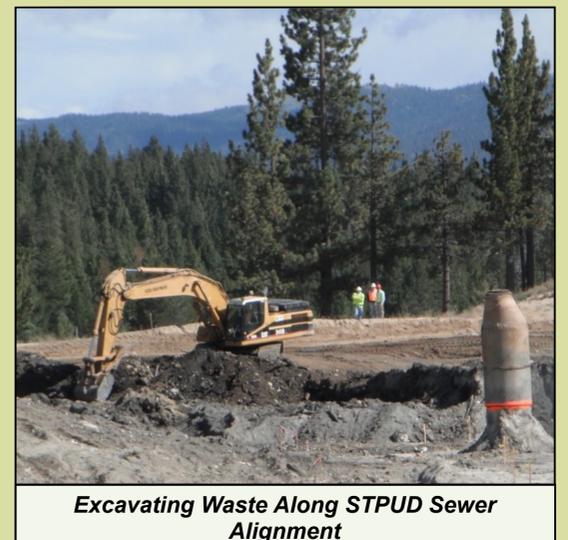
The Remedial Design for OU-1 includes:

- A cover system to prevent infiltration through the waste, control surface water runoff, and control erosion.
- A new French drain to capture upgradient groundwater and divert it away from the waste mass.
- A passive system to control landfill gas



Remediation Work Completed in 2010

- Unneeded monitoring wells were abandoned
- Landfill waste covering the Tahoe Public Utilities District sewer line was removed and consolidated
- A 2-foot foundation layer was installed
- The French drain system was installed





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Partial Consent Decree between Forest Service and County

- June 2010 - Partial Consent Decree between the United States and El Dorado County signed.
- County is responsible for constructing and maintaining the selected Remedy for Operable Unit 1 (OU-1) under Forest Service oversight.

Remedial Action Volumes

- Approximately 107,000 cubic yards of waste was consolidated and placed within the landfill footprint.
- Approximately 40,000 cubic yards of clean soil was placed for the foundation layer.



Placing Cover Soil Over Waste on Northeast Slope of Landfill



Compacted Cover Soil

Remediation Work To Be Completed in 2011

- Installing the remaining components of the multilayer landfill cover (including drainage layer, geomembrane liner, cover soil, and vegetative layer)
- Installing the passive landfill gas control system



Placing Cover Soil and Winterization Cover



Compacted Cover Soil

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