

PROJECT PROFILE - LANDFILL REMEDIATION

Frewsburg, NY



SCE was retained by the NY Department of Environmental Conservation for the remediation of a landfill Superfund Site in Frewsburg, NY. The landfill operated as a municipal solid waste and industrial waste landfill from the early 1960's to 1979.

SCE crews excavated soil and waste, consolidated two waste cells into one, dewatered the site, installed a geosynthetic demarcation layer, installed a soil cover over the consolidated waste mass, and restored the site. With over 20 acres of site clearing, 60,000 cubic yards of waste consolidation, 50,000 tons of backfill and topsoil placement, and extensive site restoration, the project required the mobilization of a fleet of large equipment. An excavator-mounted, 30-ton Tree Mulcher and Stump Grinder reduced standing trees and stumps to mulch in contrast to the standard practice of felling trees and burying stumps in landfills.

Technology played a significant role in the operation. Excavators and earth moving equipment were directed by GPS navigation. In addition, monitors placed along the perimeter of the site constantly measured air quality, weather conditions and wind direction and speed. Information was transmitted instantly from the monitors to the site office. If any air quality, weather, or wind parameter was exceeded, the operation was suspended.

SERVICES PROVIDED

- Superfund Site Remediation
- Soil Excavation
- Capping
- Geosynthetic demarcation layer
- Site Monitoring

