

PROJECT DESCRIPTION

Containment of West Valley NDA Facility



Location:
West Valley, New York

Client:
Butler Construction
Company of WNY for
West Valley
Environmental Services

Client Contact:
Mr. Charles Keipper
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Overview of NDA Located behind the Trailer Parking Area

West Valley Environmental Services, LLC engaged Butler Construction Company of WNY and MMCE to design a groundwater barrier and a geomembrane cap for the Nuclear Regulatory Commission Disposal Area at the West Valley Demonstration Project site to limit the amount of groundwater infiltration and storm water seepage into the facility. MMCE reviewed subsurface data collected at and nearby the NDA and used those data to design a soil-bentonite groundwater barrier wall on the upgradient sides of the NDA.

MMCE reviewed precipitation data and designed a cover for the NDA. The cover consists of fill placed on the NDA to create a ground surface that will direct stormwater to new detention basins and designated outfalls at the pre-construction rate and a low permeability geomembrane to restrict seepage into the NDA.

MMCE prepared technical specifications and drawings showing the barrier wall, re-graded ground surface and drainage structure details.