

GCL serves as cap in Brownfield remediation site

This New Jersey Brownfield was formerly the site of a chemical recycling facility.



PROJECT DETAILS

New Jersey Brownfield Remediation

LOCATION

Patterson, New Jersey, USA

PRODUCTS USED

BENTOMAT® SDN GCL

This New Jersey brownfield was formerly the site of a chemical recycling facility.

CHALLENGE:

The soil at the site was heavily contaminated, and off-site removal would have been extremely costly. High winds and very cold weather also posed a problem.

SOLUTION:

The site was surrounded with a soil-bentonite slurry wall and topped with a six-acre geosynthetic cap. The geosynthetics were terminated at a corrugated sheet pile wall. Cast-in-place concrete with an embedded polyethylene strip was added to which the LLDPE geomembrane was welded. The BENTOMAT SDN GCL held up well in the high winds.

RESULT:

The contaminated soil was successfully contained, preventing it from spreading to surrounding areas. Everything was completed on time and within budget.

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