

PROJECT:
Landfill (Wrap Face)
Perimeter Wall

LOCATION:
Bend, OR

OWNER:
City of Bend

APPLICATOR:
Cascade Industries

SYSTEM:
Polyshield SS™ 100 over
woven Geo-textile

TOTAL AREA:
10,000 square feet

COMPLETION DATE:
March 2002

PROBLEM:

The City of Bend, Oregon was in search of a fast-cure coating to reinforce the 1,250-foot long city landfill retaining wall. Urethane coatings had been considered, but were impractical due to their inability to penetrate the existing geo-textile fabric. In addition, urethane coatings require multiple coats, and have a slower cure rate.

SOLUTION:

Polyshield SS™ 100 was selected to expedite completion of this project due to its superior strength, ability to bond tenaciously to the existing geo-textile fabric, and its fast turnaround time (tack free in less than one minute).

Polyshield SS™ 100's ability to be sprayed at any thickness in a single application, saves time and labor costs. Polyshield SS™ 100 was

applied at 60-mils to the woven geo-textile fabric, reinforcing the landfill retaining wall and eliminating leaks.

RESULTS:

Reinforcing the retaining wall with Polyshield SS™ 100 (on geo-textile fabric) increased the landfill's service life by four years and its capacity by 1.2 million cubic yards.

