

## Summary of Laboratory Testing

Top Seal White Stabilization

Permeability and Strength Tests

Test Date: 12 June 2014

RESULTS: The treatment with TSW shows an increase of approximately 1,180 percent in strength, while shows a reduction in permeability that exceeds U.S. EPA standards many times over. Laboratory testing with Top Seal White requires special modifications.

The comparison between the U.S. EPA permeability coefficient of  $1 \times 10^{-7}$  cm/sec for landfills and the laboratory-confirmed permeability coefficient for Top Seal White of  $2.9 \times 10^{-9}$  cm/sec.

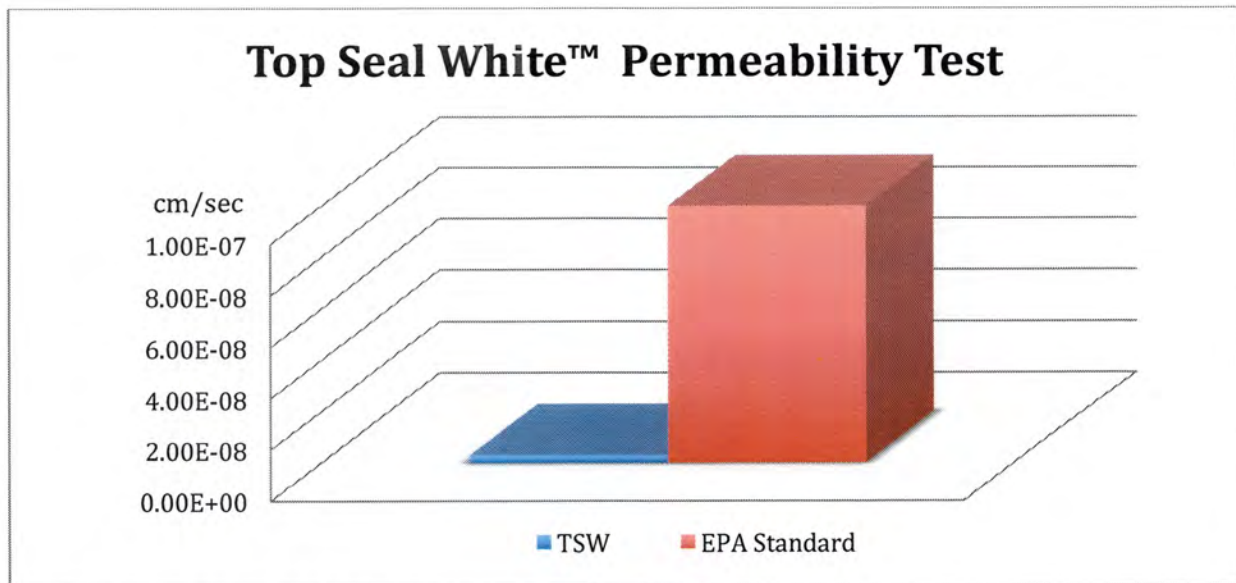


Figure 1: TSW vs. US EPA Standards

## Top Seal White™ Strength Test

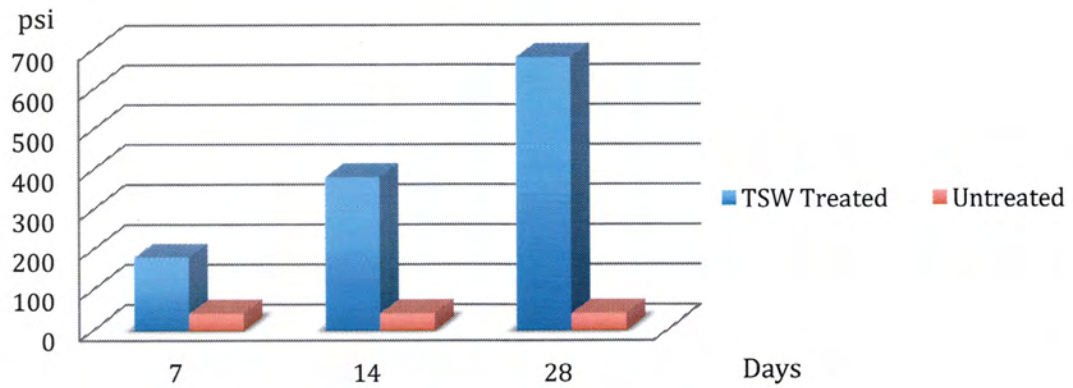


Figure 2: TSW vs. Untreated Soil Strength Test

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