



ENVIRONMENTAL PROTECTION, INC.

t h e LINER LETTER

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Young's Landfill Closure

In the summer of 2001, Catskill Remedial Contracting Service, Inc. began moving more than 200,000 cubic yards of sand for the final closure of Young's Landfill, near Sturgis, MI. DLZ Engineers designed the final closure for the Michigan DEQ. In May 2002, EPI provided Catskill with 1,441,813 sq. ft. of 30 mil PVC geomembrane for this project. The 33 acres of liner was prefabricated into 77 panels



to fit the irregular shape of the waste containment area. Most panels were 20,000 sq. ft. each.

The PVC geomembrane exceeds all minimum requirements of the *PGI-1197* specification as mandated by the Michigan DEQ. Two destructive samples were removed at

random from virtually every one of the 77 EPI factory fabricated panels. All specimens tested exceeded *PGI-1197* minimums for peel adhesion and bonded seam strength. In addition, factory seam samples were sent to the CQA lab of NTH Consultants for verification of weld quality. Again, each of the specimens passed.

EPI welded over 20,200 lineal feet of field seam using Leister Twinny hot air welders. In June, sheet temperatures reached 130° F during welding operations, making welding even more challenging. 58 destructive samples were removed and tested at the lab of NTH Consultants. Not a single 1" specimen (of 580) failed in either peel or bonded seam strength.

Mark Wolschon, quality control manager at EPI, was in charge of the liner installation and is justifiably proud of the quality and welding workmanship of his crew. His crew also completed the installation in 27 calendar days, plus 7 days for holidays and weather. 240,000 sq. ft. was the maximum quantity they deployed in a single day. Call us anytime for more information 800-655-4637.