



# t h e LINER LETTER

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9939 US-131 South  
Mancelona, MI  
49659



800 OK-LINER  
Fax 231-587-8020



[www.geomembrane.com](http://www.geomembrane.com)

[pvcliner@geomembrane.com](mailto:pvcliner@geomembrane.com)

## Geoelectric Leak Location

Environmental Protection, Inc. is fabricating and installing the largest single fabricated geomembrane liner in the world in the Columbus Upground Reservoir R-2 in central Ohio. The project consists of 37 million square feet of 40 mil unsupported polypropylene geomembrane

installed in an 843 acre basin. The 1 mile by 1-1/2 mile, 45 feet deep pond will contain over 9 billion gallons of water.

The liner is covered with geotextile and 18 inches of soil

Associates, is done according to ASTM D7007. A DC voltage is applied to the soil covering the liner and the power source is grounded to the soil outside the geomembrane. With the liner acting as an insulator between the two, the survey system is capable of locating a hole in the membrane as small as 1/8 inch.

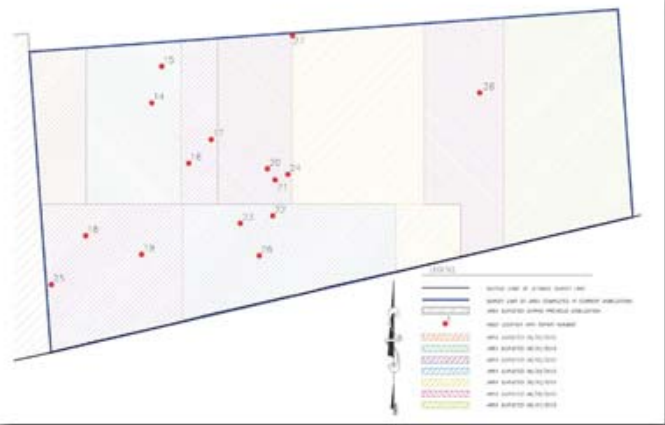
In June 2012 a Geo-Logic crew led by Abigail Beck surveyed 150 acres of completed EPI installed geomembrane. **They found only 15 holes!** Nine were caused by stones in the cover soil, four were equipment damage, and two were cuts. All holes were excavated, repaired, and re-surveyed. For more information call EPI toll free at 800-OK-LINER.



Electrical Leak Location Survey

for long term protection. To insure that any accidental holes in the geomembrane are repaired, a sophisticated geoelectric leak location survey with GPS is performed after soil covering is completed.

This survey, conducted by Geo-Logic



CUGR: June 150 acre leak survey - 15 holes located

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