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CUGR Quality Control

EPI is currently installing the world's largest fabricated geomembrane liner in the Columbus Upground Reservoir (CUGR) R-2 basin in Ohio. The 843 acre lagoon will hold 9 billion gallons of water.

Equals 204,050 feet of field seam welded (that's 38.5 miles);
Equals 425 hours of thermal welding;
Equals 203 destructive seam samples removed and tested by an independent laboratory.

The project began in the fall of 2011 and the liner is now 43.5% complete. EPI has installed a 379 acres of 40 mil polypropylene

liner. From April to July 20, 2012, 342 acres of liner have been installed this construction season alone. With more than 3 months left, in 2012 EPI will have welded the largest

amount of liner ever installed by one company on one project in a single construction season.

EPI and the QC team have made a monumental quality control effort.

342 acres so far in 2012:

Equals 14.9 million square feet (1.38 million M²);
Equals 475 panels;

Initial destructive test results for the first several weeks of field installation were very positive and reassuring. QC inspectors discussed the possibility of decreasing the destructive seam sample removal rate 50% from 1/1,000 to 1/2,000 feet. But EPI Project Manager Brad DeArment said "No!" His reason, "We don't have any problems now with welding, and by continuing to test this often we'll insure we won't have any problems in the future".

The testing continues to be done at one per 1,000 feet of field seam. The result: **99.5% pass**. Only one failure in 203 lab tests. (and only 2 specimens out of 10 in that sample failed.) A remarkable QC record from EPI – The Liner Company.

"Enhancing our environment by preserving water resources for future generations." Quality you can count on. 800-OK-LINER



Removing weld sample for destructive testing

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