



ENVIRONMENTAL PROTECTION, INC.

# the LINER LETTER

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## Folds in PVC Geomembrane

**NO PROBLEM!** EPI has studied samples of 30 year old 20 mil PVC geomembrane from research ponds at Michigan State University. This material was also tested by the University of Illinois and by TRI Environmental. They found that the material still met today's PVC minimum physical property specifications. The test information on this material has been published in several articles and conferences.

Folds in this liner material have been buried under 12" of sand cover and 10' of water since 1970 (more than 30 years). One sample of material

contained 4 folds in the space of about 1/2" and the material has no sign of failure. Inspection of the material has shown that it is still extremely flexible and there is no evidence of any cracking.

A large number of samples were removed from the test ponds. None showed evidence of failure at folds. At the time of



removal, samples exhibited the same flexibility as "NEW" PVC geomembrane. The flat areas of samples tended to be slightly less flexible after desiccation, but when folds in that material were unfolded, the material protected within the fold still exhibits the same flexibility as PVC liner material produced today!

30 years of solid performance shows that folds in PVC liner do not experience the same cracking failures as polyethylene liners. No Failures! **No Problem!**



Tips & Tricks