



ENVIRONMENTAL PROTECTION, INC.

# the LINER LETTER

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## Camp Phillips WWTP Liner

Camp Phillips, located in northwestern Wisconsin, has been providing outdoor recreation and education for the Boy Scouts of America for 50 years. But outdated septic systems built many years ago and concerns about wetland damage created the need to the design and construct a new waste water system for the 1,450 acre facility. With 5 lakes and numerous wetland areas, it is critical that the waste water treatment ponds provide secure water containment for the system.

Bob Thompson

Construction contacted Davies Water Equipment for assistance with providing materials for construction of the system. Davies provided 30 mil PVC from EPI for lining of the two water treatment system lagoons.

EPI installed 106,815 square feet of 30 mil PVC in cell

one on May 24, 2002. The panels were installed and thermally welded by one crew, with one welder, in one day.



Details, testing and repairs were completed the following day. The 121,000 Sq. Ft. of 30 mil liner for cell two will be installed in June.

The ponds were designed to fit in a confined area, so the shape of each pond is very unique. EPI was able to factory fabricate irregular shaped panels to minimize waste and speed installation of the liner system.

6 inches of sand was placed in the rocky clay pond bottom to provide a smooth base for the PVC liner. The slopes of the ponds are then covered with non-woven geotextile and the bottom and side slopes are covered with 12 inches of sand.

For more information, call EPI toll free 800-OK-LINER.

