PROBLEM:
Petro Marine was looking for a containment liner that could be easily monitored. Other containment systems require liners to be buried under sand, gravel, or earth. They needed a system that could be exposed to the environment without fear of degradation or cracks. This contract involved six tank farms in coastal Alaska. Each battery contains numerous tanks and piping for a variety of fuels.

SOLUTION:
All floors and walls are concrete and received 100 mils of Polyshield SS-100® over Amoco #4599 geo-textile fabric. The perimeter of the tanks were abraded, primed, and masked to approximately 1’ above the floor. The geo-textile fabric was used to counter-flash over tank chines, as an expansion joint. Polyshield SS-100® was then sprayed on to the geo-textile fabric up to the masked line on the tanks, forming a seamless liner.

RESULTS:
Petro Marine stated, “After looking for several years into liners for tank farms, we have found Polyshield SS-100® with geo-textile to be the best liner system on the market today.” The owner was pleased with the application and awarded the contractor 14 additional tank farms, that were completed in 1997.