PROBLEM:
Great Western Chemical needed to insulate two storage tanks. Additionally, they required a protective liner on the outside of the insulated tanks, and a secondary containment system to protect the ground soil in the event of any leak or spill. The facility also experienced issues with birds pecking at foam insulation to burrow in for nesting purposes.

SOLUTION:
Polyshield SS™ 100 polyurea was selected due to the fact it is a fast-set, abrasion resistant (i.e. bird-proof) coating. The project owner appreciated the coating’s superior adhesion and ability to form a seamless, monolithic membrane. Two 30,000 gallon tanks were cleaned, then sprayed with six inches of two pound density polyurethane foam. Then a protective coating of Polyshield SS™ 100 polyurea, High Pigment-UV Aluminum was applied at 40 mils to the foam surface. In addition to the tanks, the concrete dikes (broom finished) were sprayed with black Polyshield SS™ 100 at 40 mils to provide a reliable secondary containment liner.

RESULTS:
The project was inspected eighteen months after the initial application. Polyshield SS™ 100 Polyurea was performing well, with some minor discoloration. The owner was very pleased with the project outcome.