



CASE STUDY

Mine Process Upset & Storm Water Ponds—Three-layer Geosynthetic System



▼ **LOCATION:** Bethune, Saskatchewan

▼ **PROJECT TYPE:** Supply and installation

▼ **PRODUCT USED:**

Bi-Planar geocomposite, 60mil HDPE geomembrane, and 4.00mm Bituminous Geomembrane (BGM).



▼ **PROBLEM:**

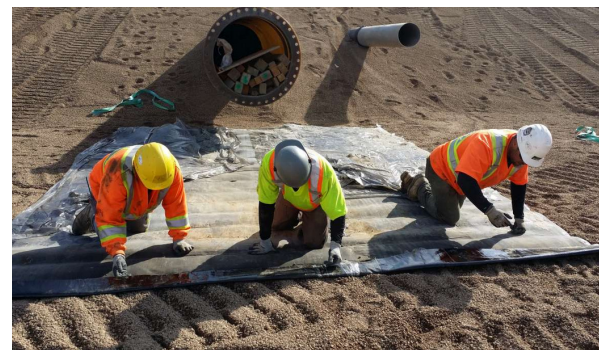
K+S Potash Canada was building the first greenfield potash mine in Saskatchewan in more than 40 years. The project involved the construction of two ponds vital to K+S's mining system. Titan was hired by Pro Canada West to satisfy all geosynthetic needs for both primary and secondary containment of the ponds. The first was a Process Upset Pond for surplus from solutions used in the mining process, and the second a Storm Water Pond to collect rainstorm water.

▼ **THE TITAN SOLUTION:**

The ponds were designed with a three-layer geosynthetic system including Bi-Planar geocomposite, 60mil HDPE geomembrane, and 4.00mm Bituminous Geomembrane (BGM).

▼ **ACHIEVEMENT:**

Titan was able to provide full support and services required by the contractor and engineers involved in the project, including qualified materials with installation and testing according to the required specifications.



Contact us for more information:

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