



CASE STUDY

Soil Remediation and Water Retention Pond - Prefabricated Geomembrane Panels



- ▼ **LOCATION:** Monument Bay, Manitoba
- ▼ **PROJECT TYPE:** Supply and Installation
- ▼ **PRODUCT USED:** 24mil RPE Pre-fabricated Geomembrane Panels | TE-8 NW Geotextile Prefabricated Panels

▼ **PROBLEM:**

Two existing cells at a remote but well-known soil treatment facility were in need of repair.

▼ **THE TITAN SOLUTION:**

With established fabrication facilities in Canada and the USA, Titan used the latest technology to custom fabricate pre-seamed geomembrane panels for this mining site project.

This project required two 24mil Reinforced Polyethylene (RPE) pre-fabricated panels in conjunction with four TE-8 NW Geotextile pre-fabricated Panels. RPE is flexible in extremely low temperatures and contains high chemical resistance properties, while the TE-8 Non-woven Geotextile (used for reinforcement) is inert to commonly encountered soil chemicals. These products were the most cost-effective solution cutting down on welding and installation times.

The remote location of this project made geomembrane fabrication the better solution over on-site seaming for logistical reasons. The panels were uniquely packaged by Titan to accommodate delivery by helicopter. Titan prefabricated and installed 32,466 SF (3016 m²) of 24mil RPE geomembrane panels and 64,968 SF (6,035 m²) TE-8 Non-woven geotextile.



Contact us for more information:

TITAN ENVIRONMENTAL CONTAINMENT

Toll free: 1-866-327-1957 | Email: info@titanenviro.com | Web: www.titanenviro.com

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ACHIEVEMENT:

The prefab construction of the panels also reduced welding and installation times; resulting in favorable cost-savings for the customer.

Titan worked closely with a global top-tier design firm to develop the prefabrication solution best suited for this mine site project. Our crew used their experience and expertise to complete the job on time and within budget with uncompromising quality.



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