

**Project:**

Waste Water Plant Clarifier Pit - Power Generation Station in Nova Scotia

**Date:**

2011

**Description:**

The tank is used to treat waste ground water from a large coal storage area. The water was acidified by the sulphur in the coal. The original flake filled vinyl ester lining had failed leaving the concrete open to attack from the low pH waste water which had to be neutralized before release.

The original lining was removed by abrasive blasting and an epoxy primer was applied followed by urethane caulking in expansion or construction joints. Nukote XT+ High Chemical Resistance Polyurea was applied at a thickness of 2-3 mm on the entire area.

The tank was put back in service shortly after completion of the lining.

**Client:**  
Power Generation  
Authority

**Distributor:**  
Nukote Coating Systems  
Canada Inc.

**Applicator:**  
Smith & McCarthy /  
MacDonald Applicators

**System:**  
Epoxy Primer  
Urethane Caulking  
Nukote XT+

