

IMC Potash Esterhazy – K2 Division Pre-placed Aggregate Repair System

STRUCTURE: Headframe Building
LOCATION: K2 Minesite, Esterhazy, SK
PROJECT DATE: 1999
JOB DURATION: 2 Months
CLIENT CONTACT: Terry Heal
AREA: Structural Support Beams
CONTRACTOR: Vector Construction Ltd.
Saskatchewan Branch



PROJECT DESCRIPTION:

Problem: Salt induced corrosion causing deterioration of structural supporting beams.

Area: Two structural support beams across the west face of the headframe building at ground elevation and one level below ground elevation.

Procedure:

- Remove deteriorated concrete and corroded reinforcing steel.
- Grit blast remaining reinforcing steel.
- Install new reinforcing steel as required to match original.
- Install Galvanic Anodes to inhibit further corrosion.
- Form to original dimension.
- Fill the form with ¾" to 1 ¼" washed rock.
- Pump the form full of EMACO 77CI high flow repair mortar.



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