

# SYNTHO-GLASS<sup>®</sup> XT

## 14" OD INJECTION LINE, CANADA REINFORCEMENT AND REPAIR



### **Problem**

A 14" OD high pressure water injection line has external corrosion on girth welds due to corrosion under shrink sleeves.

### **Conditions**

Removal of the shrink sleeves revealed external corrosion ranging from 20% to 50% wall loss.

### **Solution**

After sufficient surface preparation, Syntho-Steel<sup>™</sup> epoxy mastic was applied to the corroded area and then wrapped with the calculated number of layers of Syntho-Glass<sup>®</sup> XT. This solution brings the HPI line pressure capability back to that of a pristine pipe.

### **Result**

Thirty joints ultimately repaired with each, then subsequently pressure tested with no failure. Normal operations resumed at 2,300 psi (158 bar)



©Neptune Research Inc. (NRI) NRI<sup>®</sup> and Syntho-Glass<sup>®</sup> XT are registered trademarks while Syntho-Steel<sup>™</sup> is a trademark of NRI. Please contact your local NRI distributor or office for the most current product specifications. User shall determine suitability of product for use and assumes all risk. Project Date 0309 XT CS 0412

**NRI**<sup>®</sup>  
QUALITY. RELIABILITY. INTEGRITY.