

# PETRIFOND News

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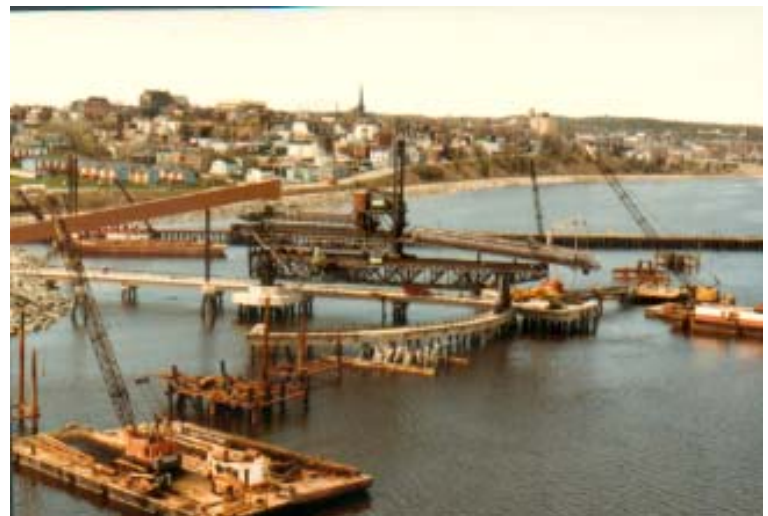
**PROJECT NAME :** Barrack Point Potash Terminal  
St. John, N.B.

**DESCRIPTION:** 208-508 mm to 914 mm diam. drilled caissons socketed into bedrock for the construction of the marine Potash terminal. The total length of caissons installed was over 5500 lin. m. The caissons were grouped in several piers to provide the marine access and the distribution structure. The geometric configuration at each pier varied and required the installation of complex templates. Another considerable element on this project was the 25 m water depth and the 10 m tide. Each template required the installation of additional temporary caissons adapted to the particular conditions of the pier (relative position of each caisson within the pier, vertical and/or battered caissons) to allow continuous work without tidal interference. Several Crawler cranes ranging from 65 t to 125 t with down-the-hole hammers were used on this project with spudded and service barges up to 45 m x 12 m x 3 m.



**SCHEDULE :** The work was performed between March 1982 and June 1983.

**CHALLENGE:** The project success was mainly due to the special template design which enabled the installation of the caissons within the strict tolerances and the schedule requirements.



**PROJECT VALUE:** \$3,100,000.00 CDN

## PROJECT PARTICIPANTS :

**OWNER :** National Harbours Board

**ENGINEER :** W.H. Crandall & Ass. & O'Halloran Campbell Consultants Ltd.

**GENERAL CONTRACTOR :** J.E. Kelly

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