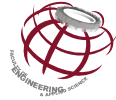


Client Project Submission Form

To be submitted to Instructor: Stephen Bruneau, sbruneau@mun.ca, 864-2119

Civil Engineering Design Course ENGI - 8700
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(at least one P.Eng)

Proposed Project Title

Pierre's Brook Penstock Replacement

Description of Project

Newfoundland Power (NP) plans to replace the 49 Year old woodstave penstock at it's Pierries Brook Hydroelectric Development near Witless Bay within the next 2-3 years. The penstock is 2470m Long and 1829mm diameter. The penstock will be replaced with Steel or Fibreglass Reinforced Plastic (FRP). Preliminary design and cost estimation is required at this time.

Requirement of Student Group

The group will be responsible for laying out and designing the new penstock for the purpose of providing a cost estimate for both steel and FRP options. NP will provide design guidelines as well as worked examples from previous projects of similar scope. Deliverables to include design calculations, drawings and cost estimates.

COMMENTS, CONDITIONS, RESTRICTIONS QUESTIONS