



Project Title: Geotechnical Assessment Proposed TMGT Pipeline

Client: Trans Maritime Pipeline / Colt Engineering Corporation

Project Description:

GEMTEC Limited carried out complete preliminary geotechnical surveys for the proposed 640 km TMGT gas pipeline project and the proposed 80 km Saint John Valley connector. The work included mapping potential acid rock zones, potential karst topography and ten major river crossings in addition to the general soil, groundwater and bedrock conditions along the line. In addition one of GEMTEC's specialist consultants completed a preliminary geotechnical and topographic survey from existing information and aerial photographs supplemented by field visits for the proposed 500 km± Venture Gas pipeline project.

As part of the geotechnical investigation potential acid generating rock was identified. Also the information from the geotechnical investigation was used to identify the most cost efficient excavation method for bedrock. A general rule of thumb is that rock that can be augered by means of a geotechnical rig can also be ripped (i.e. blasting would not be required).

