



Town of The Blue Mountains (Craigleith) existing Water Pollution Control Plant

The proposed pipeline will cross four water courses; three permanent streams along with one intermittent Municipal drain.



Existing Craigleith Pumping Station

Class EA for Wastewater Pump Station Expansion Town of The Blue Mountains (Craigleith)

In September of 2004, the Town of The Blue Mountains retained the Ainley Group to complete a Schedule 'B', Municipal Class Environmental Assessment with respect to the planned expansion of the existing wastewater pump station located on Highway 26 in Craigleith.

The current pump station capacity is 10,541 m³/d and the hydraulic capacity of the Water Pollution Control Plant is 19,640 m³/d. On two separate occasions over the past four years, the incoming flow has exceeded the pumping capacity of the existing pump station. On these occasions, raw sewage had to be hauled to the Thornbury wastewater pollution control plant. In an effort to address the existing capacity issue and to provide servicing for future growth in the Craigleith area, it was recommended that the capacity of the pump station be increased.

The 'recommended solution' involves expanding the current wastewater pumping station capacity by adding a third pump (equal in size to the existing two pumps) and by constructing a second forcemain for the facility to the Craigleith Water Pollution Control Plant. The new pump will be located within the existing facility and the construction of the new forcemain will occur along the edge of Highway 26 from a point near Old Lakeshore Road, east to Long Point Road and then north to the Water Pollution Control Plant. The works will include connecting piping and reinstatement of the area.

The proposed pipeline route will cross four water courses; three permanent flowing streams along with one intermittent municipal drain. The geotechnical conditions at three of these locations are suitable for either directional drilling or jack and bore. It is proposed that either of these non-invasive construction methods be used to protect the streams. At the other location, the bedrock appears to be at an elevation equal to the invert elevation of the stream.

Project Facts

Client: Town of The Blue Mountains

Scope of Work:

- Completion of Schedule 'B' Class EA
- Transportation Study
- Preparation of Design Brief
- Recommend preferred solution.

Key Design Criteria:

- Capacity for future growth
- Four water crossings
- Increasing capacity of existing pump station
- Transportation flow during construction
- Inclusion of all connecting piping and reinstatement of the area.

EA and Design Brief Cost: \$41,700
Estimated Project Cost: \$1,107,000