INFRAPIPE SOLUTIONS LTD.

Toronto, Ontario

Deep Lake Water Cooling with Sclairpipe

Sclairpipe ready for under water installation.

The City of Toronto sits on the shore of deep, cold Lake Ontario. The 1,600 mm Sclairpipe intake line installed in the summer of 2003 allows 4°C water to be drawn from a depth of 83 metres.

This renewable source of naturally chilled water serves a dual purpose. Firstly, in cooling 20 million square feet of city core office buildings and reducing greenhouse gases by 40,000 tons per year thus helping to eliminate mid-summer smog. Secondly, in providing the city and residents with cleaner drinking water at no extra cost to the taxpayer.

Sclairpipe was selected for this innovative project due to its corrosion resistance and resistance to zebra mussel fouling. Additionally, it can be butt fused into long flexible lengths and floated into position for a simplified and quicker installation.

Project:
Deep Lake Water Cooling

Owner:
Enwave District Energy Limited

Application:
Cold Water Intakes, 15 kilometres of 1,600 mm DR22 – 26

Engineer:
Gryphon International

Contractor:
Necso Canada Inc.

Subcontractor:
McNally Construction Inc.

T: 905-858-0206