

January 9, 2003

File: OP - 1600

Mr. Mel Yates
Manager, T&D Stations Sustainment Programs
Investment Planning Division
Hydro One Networks Inc.
483 Bay Street
15th Floor - North Tower
Toronto Ontario M5G 2P5

Dear Mr. Yates:

Notification of Approval of Connection Proposal

Toronto Strachan TS: Replace Existing 115kV Rod Gaps for Transformers T13 and T14, 115kV Disconnect Switch for Transformer T13, and 115kV Disconnect and Grounding Switches for Cable 1 of Circuit K6J

CAA ID Number: 2002 – EX102 and 2002 – EX119

The IMO has completed a review of your application to replace the existing 115kV rod gaps for transformers T13 and T14, 115kV disconnect switch for transformer T13, 115kV disconnect and grounding switches associated with 115kV circuit K6J at Toronto Strachan TS. The proposal includes:

- ❖ Replacing the 115kV rod gaps for two of the four 110-14.2-14.2kV step down transformers T13 and T14 with metal oxide gapless surge arresters
- ❖ Replacing the 115kV 600A disconnect switch for transformer T13 with new 115kV 1200A disconnect switch with 44kA short circuit rating, and
- ❖ Replacing the 115kV 800A disconnect and grounding switches associated with cable one of the Toronto Strachan TS to Manby TS 115kV circuit K6J with new 115kV 1200A switches with 44kA short circuit rating.

The proposal will improve the surge protection of the transformers resulting in better customer supply reliability. We have concluded that the proposal would have no adverse impact on the IMO-controlled grid and that a formal Connection Assessment would not be necessary. The IMO is therefore pleased to grant approval to complete the proposed installation.

However, it should be noted that although the new 115kV switches would be adequate for the present maximum fault level at the station, they do not meet the Transmission System Code requirement that 115kV equipment should be capable of withstanding a maximum fault current of 50kA. Should a third party initiate a development that increases the fault level at Toronto Strachan TS beyond 44kA, Hydro One Networks Inc. might have to bear the cost of replacing the switches.

Registration of the proposed changes to the existing facilities will need to be completed through the IMO's 'Facilities Registration' process.

For further information, please contact the undersigned.

Yours truly,

Bob Gibbons
Manager – Long Term Forecasts & Assessments
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cc: IMO Records