

January 9, 2003

File: OP - 1600

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

Dear Mr. Yates:

***Notification of Approval of Connection Proposal  
Hamilton Kenilworth TS: Replace Existing 115kV Rod Gaps, 115kV Disconnect Switches and  
115kV Grounding Switches Associated with Transformers T1 and T2  
CAA ID Number: 2002 – EX101 and 2002 – EX115***

The IMO has completed a review of your application to replace the existing 115kV rod gaps, disconnect switches, and grounding switches associated with the two 110-14.2-14.2kV step down transformers T1 and T2 at Hamilton Kenilworth TS. The proposal includes:

- ❖ Replacing the 115kV rod gaps for transformers T1 and T2 with metal oxide gapless surge arresters
- ❖ Replacing the 138kV 600A disconnect and grounding switches for transformers T1 and T2 with new 138kV 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 138kV 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 Hamilton Kenilworth 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  
Tel: 905-855-6482 Fax: 905-855-6129

cc: IMO Records

All information submitted in this process will be used by the IMO solely in support of its obligations under the Electricity Act, 1998, the Ontario Energy Board Act, 1998, the Market Rules and associated policies, standards and procedures and in accordance with its licence. All information submitted will be assigned the appropriate confidentiality level upon receipt.