

June 17, 2005

Mr. Berk Gursoy
Senior Transmission Engineer
Great Lakes Power
2 Sackville Road
Sault Ste. Marie, ON.,
P6B 6J6

Dear Mr. Gursoy:

*Anjigami T.S.- Removal of 44 kV Voltage Regulator (VR1)
Notification of Approval of Connection Proposal
CAA ID Number: 2005-EX233*

Thank you for the detailed information regarding the proposed removal of voltage regulator 'VR1' and associated potential transformer 'PT3' at Anjigami T.S.. This modification is a result of the voltage regulator being unutilized. Having it remain connected constitutes a series impedance that increases transmission losses and introduces a potential point of failure.

From the information provided, our review concludes that the proposed change will not result in a material impact on the reliability of the IESO-controlled grid. The IESO is therefore pleased to grant **conditional approval** for the modification detailed in the attached assessment report. Any material changes to your proposal may require re-assessment by the IESO in accordance with Market Manual 2.10, and may nullify your conditional approval

Final approval will be granted upon successful completion of the IESO Facility Registration process. During facility registration you will be expected to demonstrate that you have fulfilled the requirements and the modification is in line with the proposal assessed by the IESO. Please contact facility.registration@ieso.ca if you have not received a Facility Registration Summary package within the next 10 days.

For further information, please contact the undersigned.

Yours truly

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cc: IESO Records

All information submitted in this process will be used by the IESO 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.

ASSESSMENT SUMMARY

Great Lakes Power

Anjigami T.S.- Removal of 44 kV Voltage Regulator (VR1)
CAA ID Number: 2005-EX233

1.0 GENERAL DESCRIPTION

The 44 kV circuit between Anjigami and Hollingsworth T.S. is operated as a closed loop system and the voltage regulator is not being utilized to regulate voltage. The regulator has been on manual control since the early 1990's and is currently operating on the neutral tap position. It constitutes a series impedance increasing transmission losses and introduces a potential point of failure. It is proposed that the voltage regulator be removed from service for the reasons stated above. The project will take approximately six weeks to complete and is scheduled to be completed by the end of July 2005.

2.0 PROPOSED MODIFICATION

As shown in Figure 1, both the voltage regulator 'VR1' and associated potential transformer 'PT3' will be removed from service. As a result of this modification, the line protection settings on the Anjigami 44 kV circuit will be revised. There will be no changes to the AC & DC Systems and Station Control systems. Further details of the new protection settings will be required for the Facility Registration process.

3.0 ASSESSMENT

The proposed modification will have no adverse impact on the IESO-controlled grid.

4.0 NOTIFICATION OF APPROVAL

It is therefore recommended that a Notification of Approval of the Connection Proposal be issued.

FIGURE 1 – Single Line Diagram for Anjigami T.S.

Anjigami T.S. - Existing

