
From: Constantinescu Barbara
Sent: April 19, 2004 4:11 PM
To: 'farooq.queshey@HydroOne.com'
Cc:

Subject: RE: Madawaska Generation Runback Scheme (CAA ID 2004-EX192)

Farooq,

The IMO has assessed the impact of removing the Madawaska generation rejection scheme and concluded that it will not have a negative impact on the reliability of the IMO-controlled grid or the efficiency of the electricity market.

This special protection scheme was designed to protect against thermal overloading of the 115 kV circuits B1S, C7BM and W6MC. The relays pick up settings correspond to the continuous ratings of the most limiting sections of these circuits. Each relay settings correspond to summer daytime, night-time and winter daytime, night-time continuous thermal ratings as calculated based on typical values for ambient temperature and wind speed. With the introduction of the real-time thermal monitoring, provided by Hydro One, the circuit thermal capabilities are recalculated every 5 minute based on ambient conditions which are likely to be higher than the static settings of the SPS relays. Hence, the SPS scheme has become limiting because it could trigger the runback unnecessarily at times when the ambient conditions may allow higher power flows.

The IMO grants conditional approval for the removal of this SPS. Final approval will be granted upon successful completion of the IMO Facility Registration process. Contact facility.registration@theIMO.com if you have not received a Facility Registration Summary package within the next 10 days.

Regards,
Barbara Constantinescu
Senior Engineer - Connection Assessments
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Confidentiality Classification of this message: Confidential

-----Original Message-----

From: farooq.queshey@HydroOne.com [<mailto:farooq.queshey@HydroOne.com>]
Sent: March 25, 2004 10:39 AM
To: barbara.constantinescu@theimo.com
Subject: FW: Madawaska Generation Runback Scheme
Importance: High

Barbara,

We intend to retire the Madawaska GR scheme. IMO system capability department agrees with its removal (see John Woloshansky email below). Do we

need a formal concurrence from your group. If yes, appreciate if you can provide your concurrence.

Farooq

-----Original Message-----

From: RIAZ Hamid
Sent: Tuesday, March 23, 2004 5:48 PM
To: QURESHY Farooq
Cc: RIAZ Hamid; KHAN Hamid
Subject: FW: Madawaska Generation Runback Scheme
Importance: High

Farooq:

Can you please initiate the necessary CAA for the removal of Madawaska [Barrett Chute, Stewartville] Generation Runback scheme. The most convenient document for IMO assessment is SCO E-Madawaska where this scheme is described in Appendix B, pages 15, 16.

This scheme was designed to runback generation to protect against thermal overload of circuits B1S, C7BM and W6MC. All three circuits are now covered by NMS thermal monitoring application. The R/B scheme is always in service and uses static settings which are often at variance with the dynamic (weather based) limits used by NMS thermal monitor. IMO's generation scheduling tool uses dynamic line ratings that are (provided by Hydro One) the same as used by NMS. Consequently, we have had incidents of spurious generation runback when lines were well within their thermal limits. If this scheme is removed from service there is no operating risk to the lines in question. John Argue will have the scheme removed once necessary work order has been issued. This work needs urgent attention as IMO has flagged this scheme for improper operation. If you need further discussion please let me know.

Best regards.

Hamid Riaz

-----Original Message-----

From: RIAZ Hamid
Sent: Wednesday, March 17, 2004 3:11 PM
To: 'Woloshansky John'
Cc: KHAN Hamid; FERGUSON Mike; QURESHY Farooq; RIAZ Hamid
Subject: RE: Madawaska Generation Runback Scheme
Importance: High

John:

Thank you for your helpful response. We will pass the confirmatory information to our investment group for further action. Farooq Qureshy will arrange to initiate request for CAA process. We will keep you posted on the progresses of SPS removal.

Please note that Mike Ferguson is the Manager of Operating Effectiveness

Department
at Hydro One.
Best regards.
Hamid Riaz

-----Original Message-----

From: Woloshansky John [mailto:john.woloshansky@theimo.com]
Sent: Wednesday, March 17, 2004 2:42 PM
To: 'hamid.khan@HydroOne.com'; hamid.riaz@hydroone.com
Cc: paul.tremblay@hydroone.com; david.ferguson@hydroone.com; Tench Don;
Falvo Mike
Subject: RE: Madawaska Generation Runback Scheme

Hamid,

As per our original concurrence supporting the removal of the subject SPS
(attached for your reference), I am reconfirming that the subject SPS may be
removed.

<<Barrett Chute & Stewartville Runback>>

To remove this scheme from service the CAA process must be followed.

Regards

John Woloshansky, Sr.Eng. CIS 855-6310

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