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RECIPIENT: GRIER, B.H.

ACCESSION NBR: 7811090271

ORIGINATOR: SCHNEIDER, R.R.

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COMPANY NAME: NIAGARA MOHAWK PWR

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SUBJECT:

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LER#78-035/01T-0 on 781020: all main steam high flow pressure indicating instr were found w/ setpoints less than Tech Specs. Heise 0-200 PSIG test guage calibrated & used in test had loose screw & was recalibrated.

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INCIDENT REPORTS

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November 2, 1978

Mr. Boyce H. Grier
Director
United States Nuclear Regulatory Commission
Region I
631 Park Avenue
King of Prussia, PA. 19406

RE: Docket No. 50-220
LER 78-035/01T-0

Dear Mr. Grier:

In accordance with Nine Mile Point Nuclear Station Unit #1 Technical Specifications, we hereby submit Licensee Event Report, LER 78-35, which is in violation of Section 3.6.2b of the Technical Specifications.

This report was completed in the format designated in the NUREG-0161, dated July 1977.

Sincerely,

Original signed by R.R. Schneider

R.R. Schneider
Vice President -
Electric Production

mtm

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November 1, 1978

Mr. Boyce H. Grier
 Director
 United States Nuclear Regulatory Commission
 Region I
 631 Park Avenue
 King of Prussia, PA. 19406

RE: Docket No. 50-220
 LER 78-035/01T-0
 Nine Mile Point Nuclear Station Unit #1

Dear Mr. Grier:

During steady state operation, performance of N1-ISP-RE22 found all eight pressure indicating switches with setpoints less conservative than allowed by Technical Specification 3.6.2b. This specification requires a setpoint of less than or equal to 105 psid +/- 1 psid.

The Main Steam Line High Flow setpoints were found and left at the following values on October 20, 1978:

<u>Instrument</u>	<u>Found (psid)</u>	<u>Left (psid)</u>
RE22A	107.0	104.5
RE22B	107.0	105.0
RE22C	106.5	105.0
RE22D	108.0	105.0
RE22E	106.2	105.0
RE22F	108.5	104.5
RE22G	108.5	104.5
RE22H	107.5	105.0

A review of the RE22 Surveillance Test records indicated that a drift as large as found in this instance was rare for one instrument, and had never occurred on all eight. In addition, the Heise 0-200 psig test gauge was calibrated on October 10, 1978 and found to have been in error. As a precaution, the Heise gauge was recalibrated, and the surveillance test repeated on October 27, 1978.

The RE22's were found at the following setpoints:

<u>Instrument</u>	<u>Found (psid)</u>
RE22A	103.0
RE22B	103.5
RE22C	103.5
RE22D	103.0
RE22E	103.0
RE22F	103.5
RE22G	103.0
RE22H	103.5

During the one week between tests, it is highly unlikely that all instruments would again have drifted an average of 1.5 psid (this time in a more conservative direction). This apparent change in setpoint is being attributed to a loose screw found internally during the last calibration. Assuming that the initial event was caused by a test gauge reading 1.5 psig high, the corrected "found" and "left" values for the October 20, 1978 tests are as follows:

<u>Instrument</u>	<u>Corrected Found (psid)</u>	<u>Corrected Left (psid)</u>
RE22A	105.5	103.0
RE22B	105.5	103.5
RE22C	105.0	103.5
RE22D	106.5*	103.5
RE22E	104.7	103.5
RE22F	107.0*	103.0
RE22G	107.0*	103.0
RE22H	106.0	103.5

*Contrary to Technical Specification 3.6.2b

The drifts noted on three instruments are more in line with trends established over the last ten months. This condition has minimal safety implications because only one out of four instruments must trip in each channel to initiate MSIV closure, and five other instruments would have functioned.

In the event that all eight instrument were, in fact, less conservative, three other instrument systems (Low Condenser Vacuum, Main Steam Line High Radiation, and Main Steam Line High Temperature) would have initiated the MSIV closure.

Procedures have been changed to establish a guide value of 100 psid +/-2 psid for the setpoint when performing N1-ISP-RE22. This will permit instrument drifts of the magnitude experienced, without degrading the system's response.

Very truly yours,

Original Signed by R.R. Schneider

R.R. Schneider
Vice President -
Electric Production