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REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

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 AUTH.NAME AUTHOR AFFILIATION
 FIRLIT,J.F. Niagara Mohawk Power Corp.
 RECIP.NAME RECIPIENT AFFILIATION
 Document Control Branch (Document Control Desk)

SUBJECT: Special rept:on 901211 & 13,monitor declared to be inoperable respectively on range.Caused by procedure inadequacy.Alternate sampling initiated & certified calbr gas bottles installed.

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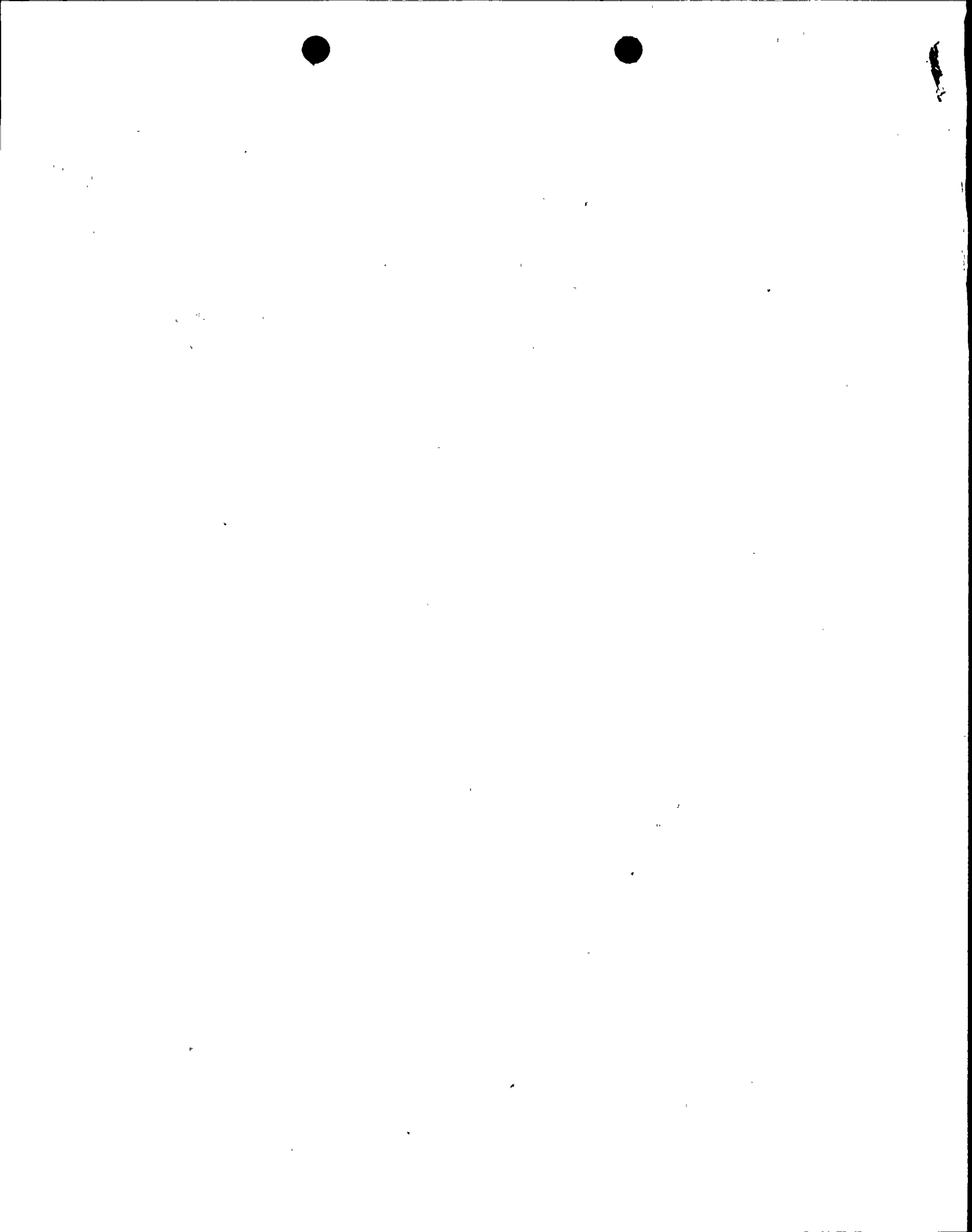
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NMP73977

December 22, 1990

United States Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, DC 20555

RE: Docket No. 50-220
SPECIAL REPORT

Gentlemen:

In accordance with Nine Mile Point Unit 1 Technical Specification Table 3.6.11-1(6), Section 3.6.11-2(4), we are submitting the following Special Report concerning the inoperability of the Containment Hydrogen Monitoring System.

EVENT DESCRIPTION

During the performance of N1-ISP-201-M020 on December 11, 1990 #11 H₂ Monitor, and December 13, 1990 #12 H₂ Monitor were declared to be inoperable respectively on the both 0-5% and 0-20% range respectively. Per 3.6.11-2(4), the pre-planned alternate sample method was initiated in accordance with N1-SOP-14.

CAUSE OF EVENT

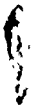
The cause of the event was determined to be procedure inadequacy for the 0-20% remote indication calibration and the use of non-certified gases for calibrations.

When the H₂O₂ Monitors are in the Automatic Calibration mode, the remote monitors automatically adjust their "zero" and "span" values. When the analyzer is selected to 0-20% range, a span gas of approximately 18% H₂ enters the analyzer. The analyzer then adjusts itself for a span value which is preset into the Automatic Calibration unit based on the calibration gas concentration. The setting of the preset span value was not incorporated into the quarterly calibration procedure to ensure it was consistent with the span gas concentration. Although calibrated, the remote 0-5% indication was declared inoperable due to the use of non-certified span gas.

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United States Nuclear Regulatory Commission
December 22, 1990

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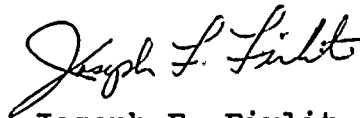
The H₂ Monitors were declared inoperable on the 0-5% and 0-20% range by the SSS. Alternate sampling was initiated. Certified calibration gas bottles were installed.

On December 15, 1990, Instrument and Control (I&C) completed the Automatic Calibration Unit adjustments under WR's 185218 and 186771 for #11 and #12 monitors respectively. The monitors were then calibrated by successfully performing N1-ISP-210-M020 and both monitors were declared operable on December 15, 1990.

Procedure change requests M19012017, M19012018, M19012019, were submitted to incorporate the calibration settings for the automatic calibration units into the quarterly procedures before their next scheduled use.

The H₂ monitors were determined to be safety related this past outage. An investigation into past operability due to the use of non-certified span gas is being conducted. The operability determination will be reported appropriately.

Very truly yours,



Joseph F. Firlit
Vice President - Nuclear Generation

JFF/MC/lmc

xc: Thomas T. Martin, Regional Administrator Region I
William A. Cook, Sr. Resident Inspector

