



METROPOLITAN EDISON COMPANY

POST OFFICE BOX 480, MIDDLE TOWN, PENNSYLVANIA 17057 TELEPHONE 717-344-4000

13 December 1976

Mr. J. P. O'Reilly
 Directorate of Regulatory Operations
 Region 1
 Nuclear Regulatory Commission
 631 Park Avenue
 King of Prussia, Penna. 19406

POOR
 ORIGINAL

Operating License DPR-50
 Docket 50-299

Subject: Reportable Occurrence No. 76-46/1P

Dear Mr. O'Reilly:

This telegram is to confirm the telecons between Mr. D. Capton (Region 1-NRC) and Mr. J. J. Colitz (MW-1 Unit Superintendent) at 1640 hours on 12 December 1976 and Mr. A. L. Fasano (Region 1-NRC) and Mr. J. J. Colitz at 0930 hours on 13 December 1976.

The following report is submitted in accordance with Section 6.9.2.A(2) of Appendix 'A' to the Technical Specifications.

On 12 December 1976, while performing SP 1301-4.4, Borated Water Storage Tank (BWST) water sample, boron concentrations less than 2270 ppm (as required in Section 3.3.1.1 of Appendix 'A') were obtained. Several samples were obtained in order to substantiate the out-of-specification result. The results were as follows: 0350 - 2260 ppm, 0145 - 2268 ppm and 0330 - 2262 ppm. At 0415 hours nine hundred ninety (990) gallons of concentrated boric acid (11,270 ppm) was injected into the BWST in order to increase the boron concentration to greater than 2270 ppm.

A sample taken at 1430 hours indicated a boron concentration of 2089 ppm and the BWST was reported as being in specification during my discussion with D. Capton.

Subsequent sampling indicated boron concentrations less than 2270 ppm

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13 December 1976

and approximately 1000 pphm. Three thousand six hundred (3600) gallons of
concentrate (the total is 10,000 gal) have been added to the BWT. The last
six (6) samples over the past six (6) hours have all indicated a concentration
of > 2000 pphm in the BWT. Reprecipitation and sampling of the BWT is continuing
to insure compliance with the Technical Specification. The above information
was discussed with Mr. A. L. Fisher at 2300 hours on 13 December 1976.

It is possible that the BWT contained a concentration less than 2000 pphm
at the time of the most recent sampling (2 December 1976) due to dilution
caused by infiltration from the Reactor Coolant System while in the Cond. Heat
Mode of operation. Sampling and analysis on 2 December 1976 indicated a
concentration of 2100 pphm, although, stratification within the tank may have
existed which could explain the events which occurred on December 10, 1976.

A review of all operational evolutions which could have changed the
concentration of the BWT has been initiated and further detail will be
included in the 14 day report.

Very truly yours,

J. J. Collet
J. J. Collet

Unit 1 Superintendent
Three Mile Island Nuclear Station

JJC/pas

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