

From: Peter Tam
To: INTERNET:leonardm@nimo.com; internet:mackamanc@nimo.com;
internet:wolniakd@nimo.com; John Knox
Date: 6/5/01 1:46PM
Subject: Nine Mile Point , Unit 2 - Followup of conference call **(TAC MB1163)**

Steve, Clyde:

Recall that on 5/17/01 we had a conference call to discuss issues related to your amendment request re. electrical power monitoring assemblies allowable values. At the conclusion of the call, we indicated that there was no need for written followup. Well, we were wrong.

After the call, John Knox, our reviewer summarized what we heard (see below excerpts from his phone notes) and determined that the information is needed to complete his review, i.e. the information needs to be docketed per 10 CFR 50.30.

Please review John's phone notes below and determine if you can submit the information in writing. Meanwhile, I have asked John not to complete the review pending your consideration of this matter.

Peter

>>> John Knox 06/05/01 10:20AM >>>

..... The information obtained during the conference call was mentioned in the SE and was used to make a regulatory decision.....

For the MSIV trip solenoids supplied by GE, the associated voltage calculations credits an increase from the maximum design rating of 125 volts to 128 volts. The licensee indicated that this increased rating was evaluated considering its effect on qualified life. As part of a May 17, 2001 telephone conference call, the licensee further indicated that the solenoids are designed for 40 years of operation if operated continuously at 125 volts (i.e., the solenoids maximum design rating of 125 volts). If operated at 128 volts (a voltage above the maximum design rating), the solenoids are designed for 2.2 years of operation (i.e., the solenoids have a qualified life of 2.2 years if operated continuously at 128 volts). A voltage of 124 volts is the maximum normal voltage expected from the RPS power supplies. Solenoids are replaced before they reach 2.2 years of operation at normal voltages. Also, these solenoids are in the process of being replaced with solenoids designed for 40 years of operation if operated continuously at 128 volts. If an abnormal voltage between 124 and 128 volts were to occur, the solenoids are, therefore, designed to remain capable of performing their safety function. At abnormal voltages above 128 volts, the EPA's isolate the solenoids from the abnormal voltage thus assuring that the RPS essential loads will remain capable to perform their respective safety functions if needed. The proposed change, therefore, provides assurance that the RPS will meet the requirements of GDC 2, 21, and 23.....

As part of a May 17, 2001 telephone conference call, the licensee further indicated that the proposed change will reduce margin from 8 volts (132 volts - the current TS overvoltage Allowable Value - minus 124 volts - the maximum expected normal voltage from the RPS power supplies) to 4 volts (128 volts - proposed TS overvoltage Allowable Value - minus 124 volts - the maximum expected normal voltage from the RPS power supplies). The licensee indicated that the probability for trip of an EPA will not changed due to set point drift with a 4 versus 8 volt

margin. The proposed calibration frequency of 184 days was selected to assure that there would be no change in the probability for EPA trip (and thus reactor trip) due to set point drift. Also, bypassing one EPA for testing and calibration does not adversely affect the probability for EPA trip (and thus reactor trip). The proposed change maintains the probability for reactor trip and provides increased assurance that RPS essential loads will be capable of performing their safety function when needed. The proposed change, therefore, provides assurance that the RPS will meet the requirements of GDC 2, 21, and 23.....

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