

From: Ed Miller
To: thomas.loomis@exeloncorp.com
Date: 4/19/06 3:28PM
Subject: EMRV RAI

Tom,

Attached is the draft RAI from the reviewer. I will take care of docketing the e-mail. The draft RAI does not represent a formal NRC staff position.

Let me know if we need to have a conference call about the question.

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Draft request for additional information relating to Oyster Creek Nuclear Generating Station submittal dated October 18, 2005, for Technical Specification change for testing Electromatic Relief Valves. The following question is in draft form and does not represent a formal NRC staff position.

1. The proposed Technical Specification change would eliminate on-line testing of the Electromatic Relief Valves (EMRVs) at Oyster Creek and proposes that surveillance be performed during maintenance activities every 24 months. In the past, the on-line testing provided more frequent verification of the EMRV safety function during plant operation. Recent operating experience at the Quad Cities plant indicates that significant degradation of EMRVs and their actuators has occurred after only a few months of plant operation, due to flow-induced vibration of the main steam lines. Some parts of the EMRVs and their actuators were found degraded, such that they would not have performed their safety function. The Quad Cities EMRVs and actuators have been stiffened and hardened to withstand the operational vibration, have been dynamically tested for the operational vibration conditions, and have been instrumented to measure the vibration within the actuators. Please provide a discussion of the applicability of the Quad Cities operating experience to Oyster Creek and the ability of the Oyster Creek EMRVs to remain functional for the proposed 24-month period between surveillances. Please include a comparison of the vibration levels, an evaluation of the need to similarly modify the EMRVs and actuators, an evaluation of the need to similarly instrument them, and a discussion of relevant operating experience.

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