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UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

May 7, 2015

Mr. Peter M. Orphanos
Site Vice President- Nine Mile Point Nuclear Station
Exelon Generation Company, LLC
348 Lake Road
Oswego, New York 13126

SUBJECT: NINE MILE POINT NUCLEAR STATION, UNIT NO. 2 - ISSUANCE OF
SIMULATOR AUDIT REPORT RE: LICENSE AMENDMENT REQUEST
REGARDING MELLLA PLUS (TAC NO. MF3056)

Dear Mr. Orphanos:

By letter dated November 1, 2013, as supplemented by letters dated January 21, February 14, February 25, March 10, May 14, June 13, October 10, December 11, 2014, and February 18, 2015, Nine Mile Point Nuclear Station, Unit 2 (NMP2, the licensee), submitted a request with supplements for changes to the NMP2 Technical Specifications (TSs).

The proposed amendment includes changes to the NMP2 TSs necessary to: (1) implement the Maximum Extended Load Line Limit Analysis Plus (MELLLA+) expanded operating domain; (2) change the stability solution to Detect and Suppress Solution - Confirmation Density (DSS-CD); (3) use the TRACG04 analysis code; and (4) increase the Safety Limit Minimum Critical Power Ratio (SLMCPR) for two recirculation loops in operation.

In the course of its review, the U.S. Nuclear Regulatory Commission (NRC) staff determined that an on-site audit was necessary in order to complete the review. The audit was conducted on November 20, 2014. The NRC staff's audit report is enclosed.

NOTICE: Enclosure to this letter contains Sensitive Information.
Upon separation from the Enclosure, this letter is DECONTROLLED.

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P. M. Orphanos

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If you have any questions, please contact me at 301-415-3308.

Sincerely,

A handwritten signature in black ink, appearing to read "B. Vaidya", with a horizontal line underneath.

Bhalchandra Vaidya, Project Manager
Plant Licensing Branch I-1
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket No. 50-410

Enclosure:
Simulator Audit Report

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- 2 -

If you have any questions, please contact me at 301-415-3308.

Sincerely,

/RA/

Bhalchandra Vaidya, Project Manager
Plant Licensing Branch I-1
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

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