



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

October 2, 2014

Mr. Christopher Costanzo
Vice President Nine Mile Point
Exelon Generation Company, LLC
Nine Mile Point Nuclear Station, LLC
P. O. Box 63
Lycoming, NY 13093

SUBJECT: NINE MILE POINT NUCLEAR STATION, UNIT NO. 2 – FORTH ROUND OF
REQUEST FOR ADDITIONAL INFORMATION REGARDING LICENSE
AMENDMENT REQUEST PURSUANT TO 10 CFR 50.90: MAXIMUM EXTENDED
LOAD LINE LIMIT ANALYSIS PLUS (TAC NO. MF3056)

Dear Mr. Costanzo:

By letter dated November 1, 2013 (Agencywide Document Access and Management System (ADAMS) Package Accession No. ML13316B090), as supplemented by letters dated January 21, 2014 (ADAMS Accession No. ML14023A654), February 14, 2014 (ADAMS Package Accession No. ML14051A155), February 25, 2014 (ADAMS Accession No. ML14064A321), March 10, 2014 (ADAMS Accession No. ML14071A466), May 14, 2014 (ADAMS Accession No. ML14139A416), June 13, 2014 (ADAMS Accession No. ML14169A034), and September 15, 2014, Nine Mile Point Nuclear Station, LLC (the licensee) submitted a license amendment request for Nine Mile Point Nuclear Station, Unit 2. The proposed amendment would allow (1) operation in the expanded maximum extended load line limit analysis plus (MELLLA+) domain; (2) use of the Detect and Suppress Solution - Confirmation Density, DSS-CD stability solution; (3) use of the TRACG04 analysis code; (4) increase the isotopic enrichment of boron-10 in the sodium pentaborate solution used to prepare the neutron absorber solution in the Standby Liquid Control System (SLS); and (5) increase the Safety Limit Minimum Critical Power Ratio (SLMCPR) for two recirculation loops in operation.

The U.S. Nuclear Regulatory Commission (NRC) staff has reviewed the information provided in your submissions and has determined that additional information is needed to complete its review. The request for additional information (RAI) is provided in the enclosure.

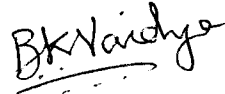
C. A. Costanzo

-2-

Subsequent to the telephone conversation with your staff, on September 18, 2014, Mr. Kenneth J. Kristensen committed to provide your response to these RAIs by October 10, 2014.

Please contact me, if you have any questions.

Sincerely,

A handwritten signature in black ink that reads "B. Vaidya". The signature is written in a cursive style with a horizontal line underneath the name.

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

Docket No. 50-410

Enclosures:
As stated

cc w/encl: Distribution via Listserv

FORTH ROUND REQUEST FOR ADDITIONAL INFORMATION RELATED TO
LICENSE AMENDMENT REQUEST RE: MAXIMUM EXTENDED LOAD LINE LIMIT
ANALYSIS PLUS CONSTELLATION ENERGY
NINE MILE POINT NUCLEAR STATION, UNIT 2
DOCKET NO. 50-410

By letter dated November 1, 2013 (Agencywide Document Access and Management System (ADAMS) Package No. ML13316B090), the licensee submitted a license amendment request for Maximum Extended Load Line Limit Analysis Plus (MELLLA+) and the use of the General Electric Hitachi Nuclear Energy (GEH) analysis code TRACG04. The proposed amendment request would allow operation in the expanded MELLLA+ domain.

Upon review of two documents, Attachment 10 to the 11/01/13 submittal titled, "NEDC-33576NP, Safety Analysis Report for Nine Mile Point Unit 2 Maximum Load Line Limit Analysis Plus," and, attachment to the 02/14/14 submittal titled, "Response to NRC Request for Supplement Information in Support of NMP2 MELLLA+ LAR Acceptance Review," the staff has the following requests for additional information:

RAI # APHB-1:

Please describe any time-critical operator manual actions that will be added, deleted, or changed to support the proposed license amendment, including reductions in time available to complete the actions.

RAI # APHB-2:

Please justify the reductions in time available for operators and provide the process used to validate that all necessary human actions can be reliably completed within the available time.

RAI # APHB-3:

Please provide the NRC with any operating experience that was used in this proposed change. These may include but are not limited to plant-specific condition reports, Licensee Event Reports, Institute of Nuclear Power Operations Reports, prior implementations of the MELLLA+ design, and other relevant sources.

RAI # APHB-4:

As a result of the implementation, please describe any changes to the procedures, training documents, displays, and simulator referred to in the submittal dated November 1, 2013, Section 3.1.2, Plant Change Summary, Attachment 4.

RAI # APHB-5:

Will any changes to the Safety Parameter Display System be required? If yes, describe.

Enclosure

C. Costanzo

-2-

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Please contact me, if you have any questions.

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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ADAMS Accession Nos.: ML14265A170 (*) RAI Memorandum

OFFICE	NRR/LPL1-1/PM	NRR/LPL1-1/LA	NRR/APHB/BC*(A))	NRR/LPL1-1/BC	NRR/LPL1-1/PM
NAME	BVaidya	KGoldstein	DChung	BBeasley	BVaidya
DATE	10/02/14	10/02/14	09/23/14	10/02/14	10/02/14

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