

December 23, 2005

Mr. James A. Spina  
Vice President  
Nine Mile Point Nuclear Station, LLC  
P.O. Box 63  
Lycoming, NY 13093

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION FOR THE REVIEW OF NINE  
MILE POINT NUCLEAR STATION, UNITS 1 AND 2, AMENDED LICENSE  
RENEWAL APPLICATION (TAC NOS. MC3272 AND MC3273)

Dear Mr. Spina:

By letter dated July 14, 2005, Constellation Energy Group, Inc. (CEG), resubmitted an application pursuant to Title 10 of the *Code of Federal Regulations* Part 54 (10 CFR Part 54), to renew the operating licenses for the Nine Mile Point Nuclear Station (NMP), Units 1 and 2, for review by the U.S. Nuclear Regulatory Commission (NRC). The NRC staff is reviewing the information contained in the amended license renewal application (ALRA) and has identified, in the enclosure, areas where additional information is needed to complete the review.

The staff requests that you provide your response within 20 days from the date of this letter. If you have any questions regarding this letter or if circumstances result in your need to revise the response date, please contact me by telephone at 301-415-1458 or via e-mail at [nbl@nrc.gov](mailto:nbl@nrc.gov).

Sincerely,

/RA/

N. B. (Tommy) Le, Senior Project Manager  
License Renewal Branch B  
Division of License Renewal  
Office of Nuclear Reactor Regulation

Docket Nos. 50-220 and 50-410

Enclosure:  
As stated

cc w/encl: See next page

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NAME	N. Le	MJenkins	L. Lund
DATE	12/ 22 /05	12/ 22 /05	12/ 23 /05

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Letter to James A. Spina from Ngoc Le dated December 23, 2005

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**NINE MILE POINT NUCLEAR STATION, UNITS 1 AND 2 (NMP1 AND NMP2)  
AMENDED LICENSE RENEWAL APPLICATION (ALRA)  
REQUEST FOR ADDITIONAL INFORMATION (RAI) - BATCH 6**

**REACTOR PRESSURE VESSEL (RPV) BIOLOGICAL SHIELD - NMP UNIT 2 ONLY**

**aRAI 4.7.1B-1**

With respect to time-limited aging analysis (TLAA) 4.7.1 on the RPV Biological Shield, for NMP2, please provide a calculation using an NRC-approved fluence methodology that will not invalidate your original fracture mechanics analysis (i.e., fluence will be less than  $1E17$  n/cm<sup>2</sup>). The methodology that is referred to in the amended LRA, has not been reviewed and approved by the staff. Otherwise, the applicant could submit a commitment indicating that the calculation/methodology will be submitted to the staff for review and approval 2 years prior to the period of extended operation.

**TABLE 3.4.1-A AGING MANAGEMENT PROGRAM FOR STEAM AND POWER  
CONVERSION SYSTEMS**

**aRAI 3.4.1.A-1**

In the NMP ALRA Table 3.4.1.A Items 3.4.1.A-09, and 3.4.1.A-10, the applicant states that these items are not applicable because "All other heat exchangers are of a different material (copper alloys or stainless steel) and do not have this aging effect/mechanism." However, both copper alloy and stainless steel are subjected to the aging effects of pitting and crevice corrosion. Please explain the discrepancy provided under the discussion columns of the table.

Nine Mile Point Nuclear Station, Units 1 and 2

cc:

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Nine Mile Point Nuclear Station, Units 1 and 2 - 2 -

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