

NRR-PMDAPem Resource

From: Lamb, John
Sent: Thursday, November 16, 2017 11:35 AM
To: 'david.helker@exeloncorp.com'
Cc: Bonnett, Frederick Paul:(GenCo-Nuc); Richard.Gropp@exeloncorp.com
Subject: OYSTER CREEK NUCLEAR GENERATING STATION - REQUEST FOR ADDITIONAL INFORMATION REGARDING LICENSE AMENDMENT REQUEST FOR EMERGENCY PLAN EXEMPTION (CAC NO. MG0153; EPID L-2017-LLE-0020)

Importance: High

Dear Mr. Helker:

By letter dated January 7, 2011 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML 110070507), Exelon Generation Company, LLC (Exelon or the licensee), submitted its Notification of Permanent Cessation of Power Operations for Oyster Creek Nuclear Generating Station (OCNGS). In this letter, Exelon provided notification to the U.S. Nuclear Regulatory Commission (NRC) of its intent to permanently cease power operation no later than December 31, 2019.

By letter dated August 22, 2017 (ADAMS Accession No. ML 17234A082), Exelon submitted an exemption from specific emergency planning requirements of Title 10 of the *Code of Federal Regulations* (10 CFR) Part 50 for OCNGS. The exemption request has been reviewed against the requirements in 10 CFR 50.47, "Emergency plans," and Appendix E to 10 CFR Part 50, "Emergency Planning and Preparedness for Production and Utilization Facilities," using the guidance provided in Interim Staff Guidance (ISG) NSIR/DPR-ISG-02, "Emergency Planning Exemption requests for Decommissioning Nuclear Power Plants" (ADAMS Accession No. ML14106A057). The review considered the storage of the spent nuclear fuel in the spent fuel pool (SFP) and the onsite independent spent fuel storage installation, and the low likelihood of any credible accident resulting in radiological releases requiring offsite protective measures. The NRC staff has determined additional information is required to enable the NRC staff to make an independent assessment regarding its technical review.

The enclosure to this email provides the request for additional information (RAI). On November 15, 2017, the draft RAI questions were sent to Messrs. , Richard Gropp, and Paul Bonnet of your staff to ensure that they were understandable, the regulatory bases for the questions were clear, and to determine if the information was previously docketed. A teleconference was held on November 16, 2017, with Messrs. Paul Bonnett and Richard Gropp of your staff to clarify the RAI questions. Exelon stated they would respond to the RAI within 30 days of the date of this email.

If you have any questions, please contact me at 301-415-3100 or via e-mail at John.Lamb@nrc.gov.

Sincerely,

John G. Lamb, Senior Project Manager
Special Projects and Process Branch
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket No. 50-219

Enclosure:
Request for Additional Information

ENCLOSURE

REQUEST FOR ADDITIONAL INFORMATION
EXEMPTION FROM THE REQUIREMENTS OF 10 CFR 50.47
AND APPENDIX E TO 10 CFR PART 50
EXELON GENERATION COMPANY, LLC.
OYSTER CREEK NUCLEAR GENERATING STATION
DOCKET NO. 50-219

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RAI - OCNGS - 09:

The response to Industry Decommissioning Commitment (IDC) 1 provided in Table 4 and the response to Staff Decommissioning Assumption (SDA) 5 provided in Table 5 of Attachment 1 to the exemption request are inconsistent with the discussion of control of heavy loads included in Section 9.1.4 of the OCNGS Updated Final Safety Analysis Report (UFSAR), Revision 19. Specifically, Section 9.1.4 of the UFSAR states that the reactor building crane was upgraded to a single failure proof design in July 2000 and addresses the safe handling of loads using a single failure proof handling system, whereas the responses to IDC 1 and SDA 5 address conformance with Phase I requested actions related to control of heavy loads, which does not include single failure proof handling systems, and references an NRC safety evaluation that predates the crane upgrade. Confirm that Revision 19 of the OCNGS UFSAR accurately reflects the control of heavy loads measures that will be employed during fuel cask and other heavy load handling activities near the spent fuel pool during the permanently defueled period while fuel remains in the spent fuel pool.

RAI - OCNGS - 10:

Section 5.6, "Consequences of a Beyond Design-Basis Earthquake," of Attachment 1 to the exemption request compares OCNGS spent fuel storage characteristics with those of the reference plant evaluated by the staff in NUREG-2161, "Consequence Study of a Beyond- Design-Basis Earthquake Affecting the Spent Fuel Pool for a U.S. Mark I Boiling Water Reactor," dated September 2014 (ADAMS Accession No. ML14255A365). However, the comparison does not address the distribution of recently discharged fuel (an important parameter

used in the NUREG-2161 evaluation) that will exist once the OCNGS reactor is permanently defueled. Describe the fuel distribution that will exist at the time the emergency plan changes that would be permitted by the requested exemption are scheduled for implementation.

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PLAN EXEMPTION (CAC NO. MG0153; EPID L-2017-LLE-0020)

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From: Lamb, John

Created By: John.Lamb@nrc.gov

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Tracking Status: None

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