



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

April 14, 2016

LICENSEE: Exelon Generation Company, LLC

FACILITY: Oyster Creek Nuclear Generating Station

SUBJECT: SUMMARY OF APRIL 6, 2016, PUBLIC MEETING WITH EXELON GENERATION COMPANY, LLC REGARDING PRE-SUBMITTAL OF DECOMMISSIONING LICENSING ACTION RELATED TO EMERGENCY PREPAREDNESS FOR OYSTER CREEK NUCLEAR GENERATING STATION (CAC NO. MF7551)

On April 6, 2016, a Category 1 public meeting was held between the U.S. Nuclear Regulatory Commission (NRC) and representatives of the Exelon Generation Company, LLC (Exelon) at NRC Headquarters, Three White Flint North, 11601 Landsdown Street, Rockville, Maryland. The purpose of the meeting was for NRC and Exelon to discuss the pre-submittal decommissioning emergency preparedness licensing actions for the Oyster Creek Nuclear Generating Station (Oyster Creek). The meeting notice and agenda, dated March 11, 2016, are available in the Agencywide Documents Access and Management System (ADAMS) at Accession No. ML16092A145.

The meeting began at 1:00 p.m. Eastern Daylight Savings Time (EDT) with opening remarks by the NRC staff followed by introductions of the attendees. The list of attendees is provided in the Enclosure to this meeting summary. The Exelon staff provided a short presentation, which is available in ADAMS at Accession No. ML16092A140.

On December 9, 2010, Exelon and the New Jersey Department of Environmental Protection executed an Administrative Consent Order, under which Exelon agreed to permanently cease operations at Oyster Creek no later than December 31, 2019.

By letter dated January 7, 2011 (ADAMS Accession No. ML110070507), Exelon notified the NRC staff of its contingent determination to permanently cease operations at Oyster Creek no later than December 31, 2019, pursuant to Title 10 of the *Code of Federal Regulations* (10 CFR), Section 50.82(a)(1)(i).

Exelon's overall goal is to provide for a safe and smooth transition for Oyster Creek from an operating site to a permanently shutdown site. On September 21, 2015 (ADAMS Accession No. ML15271A127), a Category 1 public pre-submittal meeting was held between the NRC and Exelon at NRC Headquarters to discuss the proposed list of approximately 30 decommissioning licensing actions for Oyster Creek. This pre-submittal meeting is a followup to that meeting held on September 21, 2015.

Exelon discussed its proposed decommissioning post-shutdown license amendment request (LAR), which would contain a post-shutdown permanently defueled emergency plan (PDEP) and emergency action level (EAL) scheme change, reflecting the permanently shutdown and defueled condition of the Oyster Creek reactor. The proposed post-shutdown PDEP would seek

reductions in plan commitments, but would still be required to meet standards of 10 CFR 50.47(b) and the requirements of Appendix E to 10 CFR Part 50. As such, no exemption would be needed for the post-shutdown PDEP. The reductions in plan commitments would primarily deal with licensee emergency response organization (ERO) staff and changes to the EAL scheme. Exelon anticipates submitting the proposed LAR to the NRC in June 2016. Exelon said that they are developing the proposed LAR from industry lessons learned based on a review of similar recent industry submittals. Also, Exelon stated that the proposed LAR will contain the following: (1) an overarching Oyster Creek Emergency Plan (EP) markup derived from the existing Exelon Standard (Fleet) EP; (2) Oyster Creek EP annex markup; (3) EAL markup; (4) table of proposed changes with evaluations; (5) ERO task analysis; and (6) on-shift staffing assessment. Both the on-shift staffing assessment and ERO task analysis will focus on remaining applicable design-basis accidents (DBAs), including a spent fuel handling accident resulting in a radiological release. Exelon stated that they currently expect to shutdown Oyster Creek on November 30, 2019, and implement the PDEP LAR approximately 30 days after shutdown.

The NRC staff emphasized that Exelon must evaluate the impact of any changes in the proposed post-shutdown PDEP on current interfaces with the State of New Jersey and local radiological emergency preparedness (REP) plans, and that any potential or actual changes proposed that impact offsite REP plans would be provided by the NRC staff to the Federal Emergency Management Agency for review.

In addition, Exelon stated that they plan to subsequently submit an exemption request in December 2016, to the standards in 10 CFR 50.47, "Emergency plans," and the requirements of Appendix E to 10 CFR Part 50, "Emergency Planning and Preparedness for Production and Utilization Facilities," consistent with industry precedent, as described in NSIR/DPR-ISG-02, "Emergency Planning Exemption Requests for Decommissioning Nuclear Power Plants" (ADAMS Accession Nos. ML14106A057 and ML15033A224). Exelon said the proposed exemption request would contain the following analyses: (1) zirconium fire analysis; (2) DBA Chapter 15 analysis showing that the protective action guidelines (PAGs) are not exceeded for the remaining applicable accidents; (3) dose assessment analysis for loss of spent fuel pool (SFP) inventory showing that the PAGs are not exceeded; (4) seismic analysis of pool failure frequency showing that it is consistent with NUREG-1738, "Technical Study of Spent Fuel Pool Accident Risk at Decommissioning Nuclear Power Plants," acceptance criteria; (5) SFP storage analysis in accordance with NUREG-1738; and (6) analysis of mitigating strategies included in the permanently defueled technical specifications or license conditions.

Exelon anticipates submitting the long-term PDEP LAR in December 2016. Exelon stated that the submittal will contain the following: (1) the proposed long-term PDEP consistent with the requested exemption, (2) further revision to the EALs, (3) table of proposed changes with evaluations, and (5) ERO task analysis. Exelon plans to implement the long-term PDEP when the zirconium fire potential is negligibly small (approximately 16 – 18 months after shutting down Oyster Creek).

Members of the public did not have any questions. The NRC staff made no regulatory decisions regarding the merits of the proposed decommissioning licensing actions for Oyster Creek. The meeting was adjourned at 2:00 p.m. EDT.

Please direct any inquiries to me at 301-415-3100, or [John.Lamb@nrc.gov](mailto:John.Lamb@nrc.gov).



John G. Lamb, Senior Project Manager  
Plant Licensing IV-2 and Decommissioning  
Transition Branch  
Division of Operating Reactor Licensing  
Office of Nuclear Reactor Regulation

Docket No.: 50-219

Enclosure:  
List of Attendees

cc w/encl: Distribution via Listserv

LIST OF ATTENDEES

APRIL 6, 2016, PUBLIC MEETING WITH EXELON GENERATION COMPANY LLC

REGARDING PRE-SUBMITTAL OF DECOMMISSIONING LICENSING ACTION

RELATED TO EMERGENCY PREPAREDNESS

OYSTER CREEK NUCLEAR GENERATING STATION

<b>NAME</b>	<b>ORGANIZATION</b>
Joe Anderson	U.S. Nuclear Regulatory Commission (NRC)
Bob Dennig*	NRC
Bill Huffman	NRC
John Lamb	NRC
James Kim	NRC
Mike Norris	NRC
Steve Jones	NRC
Neil Sheehan*	NRC
Doug Tiff*	NRC
Jenny Weil*	NRC
Amar Patel*	NRC
Pam Cowan	Exelon Generation Company LLC (Exelon)
Jeff Dostal	Exelon
Doug Walker	Exelon

Enclosure

Chris Wilson	Exelon
Kathy Barnes	Exelon
Paul Bonnett	Exelon
Suzanne D'Ambrosio*	Exelon
Tom Cappuccino*	Exelon
Jeannie Leggitt*	Exelon
Rheiner Dutes*	Exelon
Mike McKenna*	Exelon
Jerry Humphreys*	State of New Jersey
Ann Pfaff*	State of New Jersey
Paul Schwartz*	State of New Jersey
Jeff Munyan*	Public
John Reiner*	Public
Marvin Lewis*	Public

**\*Participated via phone**

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*/RA/*

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JKim, NRR

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SKennedy, R-I  
SJones, NRR

**ADAMS Accession No: Meeting Summary ML16102A183**

**\*via email**

OFFICE	NRR/DORL/LPL4-2/PM	NRR/DORL/LPL4-2/LA	NSIR/BC
NAME	JLamb	PBlechman	JAnderson*
DATE	4/08/2016	4/13/2016	4/13/2016
OFFICE	NRR/DORL/LPL4-2/BC	NRR/DORL/LPL4-2/PM	
NAME	MKhanna*	JLamb	
DATE	4/13/2016	4/14/2016	

**OFFICIAL AGENCY RECORD**