



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**

REGION I
2100 RENAISSANCE BLVD., SUITE 100
KING OF PRUSSIA, PA 19406-2713

September 2, 2014

Mr. Michael J. Pacilio
Senior Vice President, Exelon Generation Company, LLC
President and Chief Nuclear Officer, Exelon Nuclear
4300 Winfield Rd.
Warrenville, IL 60555

**SUBJECT: MID-CYCLE ASSESSMENT AND ASSESSMENT FOLLOW-UP LETTER
FOR OYSTER CREEK NUCLEAR GENERATING STATION (REPORT
05000219/2014006)**

Dear Mr. Pacilio:

On August 12, 2014, the U.S. Nuclear Regulatory Commission (NRC) completed its mid-cycle performance review of Oyster Creek Nuclear Generating Station. The NRC reviewed the most recent quarterly performance indicators in addition to inspection results and enforcement actions from July 1, 2013 through June 30, 2014. This letter informs you of the NRC's assessment of your facility during this period and its plans for future inspections at your facility.

The NRC determined that overall, Oyster Creek Nuclear Generating Station was operated in a manner that preserved public health and safety and met all cornerstone objectives. The NRC determined the performance at Oyster Creek Nuclear Generating Station during the most recent quarter was within the Licensee Response Column of the NRC's Reactor Oversight Process Action Matrix because all inspection findings had very low (i.e., green) safety significance, and all performance indicators indicated that your performance was within the nominal, expected range (i.e, green).

Although plant performance was within the Licensee Response Column throughout the previous four quarters, as a result of its continuous review of plant performance, the NRC identified that the, "Unplanned Scrams per 7000 Critical Hours" performance indicator crossed the Green-to-White threshold with the unplanned scram on July 11, 2014. Specifically, Oyster Creek Nuclear Generating Station crossed the Green-to-White threshold following unplanned scrams on October 3, October 6, and December 14, 2013, and July 11, 2014. Although the Action Matrix column designation for the Oyster Creek Nuclear Generating Station will not change until the PI data are submitted, reviewed and posted following the end of the third calendar quarter, planning and scheduling activities in anticipation of an Inspection Procedure 95001, "Supplemental Inspection for One or Two White Inputs in a Strategic Performance Area," can occur. The NRC will be in contact to discuss when your staff will be ready for this inspection. This inspection is conducted to provide assurance that the root cause and contributing causes of risk significant performance issues are understood, the extent of condition is identified, and the corrective actions are sufficient to prevent recurrence.

The enclosed inspection plan lists the inspections scheduled through December 31, 2015. Routine inspections performed by resident inspectors, as well as the IP 95001 which will result from the White performance indicator at the end of the third calendar quarter, are not included in

the inspection plan. The inspections listed during the last nine months of the inspection plan are tentative and may be revised at the end-of-cycle performance review. The NRC provides the inspection plan to allow for the resolution of any scheduling conflicts and personnel availability issues. The NRC will contact you as soon as possible to discuss changes to the inspection plan should circumstances warrant any changes. This inspection plan does not include security-related inspections, which will be sent via separate, non-publicly available correspondence.

In response to the accident at Fukushima, the Commission issued Order EA-12-049, "Order Modifying Licenses with Regard to Requirements for Mitigation Strategies for Beyond-Design-Basis External Events," which requires licensees to develop, implement, and maintain guidance and strategies to maintain or restore core cooling, containment, and spent fuel pool cooling capabilities following a beyond-design-basis external event. Additionally, the Commission issued Order EA-12-051, "Order Modifying Licenses with Regard to Reliable Spent Fuel Pool Instrumentation," which requires licensees to have a reliable means of remotely monitoring wide-range Spent Fuel Pool levels to support effective prioritization of event mitigation and recovery actions in the event of a beyond-design-basis external event. The NRC is conducting audits of licensee efforts towards compliance with these Orders. This audit includes an onsite component in order for the NRC to evaluate licensee plans for complying with the Orders, as described in site-specific submittals, and to receive and review information relative to associated open items. This onsite activity will occur in the months prior to a declaration of compliance for the first unit at each site, and will aid staff in development of an ultimate Safety Evaluation for the site. The date for the onsite component at your site is being coordinated with your staff. A site-specific audit plan for the visit will be provided in advance to allow sufficient time for preparations.

As a result of the Safety Culture Common Language Initiative, the terminology and coding of cross-cutting aspects were revised. All cross-cutting aspects identified during inspections conducted in calendar year 2014 will reflect this revision to Inspection Manual Chapter (IMC) 0310. Cross-cutting aspects identified in 2013 using the 2013 terminology were converted to the latest revision in accordance with the cross-reference in IMC 0310, and were evaluated for cross-cutting themes and potential substantive cross-cutting issues in accordance with IMC 0305.

In accordance with Title 10 of the *Code of Federal Regulations* (10 CFR), Part 2.390 of the NRC's "Rules of Practice," a copy of this letter will be available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records component of the NRC's Agencywide Document Access and Management System (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

Please contact Silas Kennedy at (610)337-5046 with any questions you have regarding this letter.

Sincerely,

/RA/

Ho K. Nieh
Director
Division of Reactor Projects

Docket Nos.: 50-219
License Nos.: DPR-16

Enclosure: Inspection Plan

cc w/encl: Distribution via ListServ

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 Ho K. Nieh
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OFFICE	RI/DRP	RI/DRP	RI/DRP	RI/DRP	
NAME	JKulp/ LC for	LCline/ LC	SKennedy/SRK	HNieh/ HKN	
DATE	08/21/14	08/26/14	08/27/14	08/28/14	

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Oyster Creek
Inspection / Activity Plan
07/01/2014 - 12/31/2015

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			71124 - HP INSPECTION RAD HAZARD ALARA		1
1	08/11/2014	08/14/2014	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1	08/11/2014	08/14/2014	IP 71124.02	Occupational ALARA Planning and Controls	
			7111108G - INSERVICE INSPECTION		1
1	09/22/2014	09/26/2014	IP 7111108G	Inservice Inspection Activities - BWR	
			71124 - HP INSPECTION IP 71124.01 .02 .03 04		1
1	09/22/2014	09/26/2014	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1	09/22/2014	09/26/2014	IP 71124.02	Occupational ALARA Planning and Controls	
1	09/22/2014	09/26/2014	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1	09/22/2014	09/26/2014	IP 71124.04	Occupational Dose Assessment	
			EP PROG - EP PROGRAM INSPECTION		1
1	09/22/2014	09/26/2014	IP 7111402	Alert and Notification System Testing	
1	09/22/2014	09/26/2014	IP 7111403	Emergency Preparedness Organization Staffing and Augmentation System	
1	09/22/2014	09/26/2014	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies	
			71152B - PI&R BIENNIAL		5
1	11/03/2014	11/07/2014	IP 71152B	Problem Identification and Resolution	
1	11/17/2014	11/21/2014	IP 71152B	Problem Identification and Resolution	
			71152 - PIR SAMPLE - EDG DEGRADED WRIST PIN		1
1	10/06/2014	10/10/2014	IP 71152	Problem Identification and Resolution	
			71124 - 71124.05 RAD MONITORING INSTRUMENTATION		1
1	10/20/2014	10/24/2014	IP 71124.05	Radiation Monitoring Instrumentation	
			71151 - 71151 PI VERIFY 71124.01.02.03.04 SAMPLE		1
1	11/17/2014	11/21/2014	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1	11/17/2014	11/21/2014	IP 71124.02	Occupational ALARA Planning and Controls	
1	11/17/2014	11/21/2014	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1	11/17/2014	11/21/2014	IP 71124.04	Occupational Dose Assessment	
1	11/17/2014	11/21/2014	IP 71151-OR01		
1	11/17/2014	11/21/2014	IP 71151-PR01		
			71124 - HP INSPECTION 71124.01 AND .02		1
1	01/26/2015	01/30/2015	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1	01/26/2015	01/30/2015	IP 71124.02	Occupational ALARA Planning and Controls	
			7111107T - TRIENNIAL HEAT SINK		1
1	03/09/2015	03/13/2015	IP 7111107T	Heat Sink Performance	

This report does not include INPO and OUTAGE activities.
This report shows only on-site and announced inspection procedures.

Oyster Creek
 Inspection / Activity Plan
 07/01/2014 - 12/31/2015

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			MODS - PERMANENT PLANT MODIFICATIONS		3
1	04/06/2015	04/10/2015	IP 7111117T	Evaluations of Changes, Tests, and Experiments and Permanent Plant Modifications	
1	04/20/2015	04/24/2015	IP 7111117T	Evaluations of Changes, Tests, and Experiments and Permanent Plant Modifications	
			71124 - RADIOACTIVE EFFLUENT CONTROL RETS		1
1	05/25/2015	05/28/2015	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	
			7111111B - REQUAL INSP W/ P/F RESULTS		2
1	06/08/2015	06/12/2015	IP 7111111B	Licensed Operator Requalification Program	
			71124 - REMP		1
1	08/03/2015	08/06/2015	IP 71124.07	Radiological Environmental Monitoring Program	
			EP - EP EXERCISE		6
1	09/28/2015	10/02/2015	IP 7111407	Exercise Evaluation - Hostile Action (HA) Event	
1	09/28/2015	10/02/2015	IP 7111408	Exercise Evaluation – Scenario Review	
			71151 - RP CHEM PI VERIFY RAD HAZARD		1
1	11/02/2015	11/05/2015	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1	11/02/2015	11/05/2015	IP 71151	Performance Indicator Verification	

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