



**UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION I**  
2100 RENAISSANCE BOULEVARD, SUITE 100  
KING OF PRUSSIA, PENNSYLVANIA 19406-2713

September 4, 2012

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 PERFORMANCE REVIEW AND INSPECTION PLAN –  
OYSTER CREEK NUCLEAR GENERATING STATION  
(REPORT 05000219/2012006)**

Dear Mr. Pacilio:

On August 16, 2012, 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 (PIs) in addition to inspection results and enforcement actions from July 1, 2011 through June 30, 2012. This letter informs you of the NRC's assessment of your facility during this period and its plans for future inspections at your facility. This assessment reflects the integration of the Security Cornerstone into the ROP performance assessment program governed by IMC 0305, "Operating Reactor Assessment Program."

The NRC determined the performance at Oyster Creek during the most recent quarter was within the Licensee Response Column of the NRC's Reactor Oversight Process (ROP) Action Matrix because all inspection findings had very low (i.e., green) safety significance, and all PIs indicated that your performance was within the nominal, expected range (i.e., green). Therefore, the NRC plans to conduct ROP baseline inspections at your facility.

The enclosed inspection plan lists the inspections scheduled through December 31, 2013. Routine inspections performed by resident inspectors are not included in the inspection plan. In addition to the baseline inspections, consistent with the Agency's actions related to Fukushima, the NRC will perform TI-187, "Inspection of Near Term Task Force Recommendation 2.3 Flooding Walkdowns" and TI-188, "Inspection of Near Term Task Force Recommendation 2.3 Seismic Walkdowns." Additionally, inspections will be performed for the operation of your Independent Spent Fuel Storage Installation and a follow up inspection for three or more severity level IV traditional enforcement violations in the same area in a 12 month period. 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 accordance with 10 CFR 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 (PARS) component of 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 me at 610-337-5046 with any questions you have regarding this letter.

Sincerely,

**/RA/**

Gordon K. Hunegs, Chief  
Projects Branch 6  
Division of Reactor Projects

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

Enclosure: Oyster Creek Inspection/Activity Plan

cc w/encl: Distribution via ListServ

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DATE	08/23 /12	08/27/12			

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**Oyster Creek**  
**Inspection / Activity Plan**  
**07/01/2012 - 12/31/2013**

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			<b>71124 - RAD MONT INSTRUMENTION &amp; TI 2515/185 GW</b>		<b>1</b>
1	08/06/2012	08/09/2012	IP 2515/185	Follow-up on the Industry's Ground Water Protection Initiative	
1	08/06/2012	08/09/2012	IP 71124.05	Radiation Monitoring Instrumentation	
			<b>71152B - PI&amp;R</b>		<b>4</b>
1	08/13/2012	08/17/2012	IP 71152B	Problem Identification and Resolution	
1	08/27/2012	08/31/2012	IP 71152B	Problem Identification and Resolution	
			<b>2515/187 - FLOODING WALKDOWNS</b>		<b>2</b>
1	08/16/2012	09/06/2012	IP 2515/187	Inspection of Near-Term Task Force Recommendation 2.3 Flooding Walkdowns	
			<b>2515/188 - SEISMIC WALKDOWNS</b>		<b>3</b>
1	08/20/2012	08/24/2012	IP 2515/188	Inspection of Near-Term Task Force Recommendation 2.3 Seismic Walkdowns	
			<b>71124 - RAD HAZARD ALARA AIRBORNE &amp; DOSE ASSESSM</b>		<b>1</b>
1	08/20/2012	08/24/2012	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1	08/20/2012	08/24/2012	IP 71124.02	Occupational ALARA Planning and Controls	
1	08/20/2012	08/24/2012	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1	08/20/2012	08/24/2012	IP 71124.04	Occupational Dose Assessment	
			<b>60855 - ISFSI OPERATIONAL INSPECTION</b>		<b>1</b>
1	10/03/2012	10/03/2012	IP 60855	Operation Of An ISFSI	
1	10/03/2012	10/03/2012	IP 60855.1	Operation of an Independent Spent Fuel Storage Installation at Operating Plants	
			<b>71124 - HP INSPECTION 01 02 03 04</b>		<b>1</b>
1	10/22/2012	10/26/2012	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1	10/22/2012	10/26/2012	IP 71124.02	Occupational ALARA Planning and Controls	
1	10/22/2012	10/26/2012	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1	10/22/2012	10/26/2012	IP 71124.04	Occupational Dose Assessment	
			<b>EP PROGR - EP PROGRAM INSPECTION</b>		<b>1</b>
1	10/29/2012	11/09/2012	IP 7111402	Alert and Notification System Testing	
1	10/29/2012	11/09/2012	IP 7111403	Emergency Preparedness Organization Staffing and Augmentation System	
1	10/29/2012	11/09/2012	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies	
			<b>7111108G - INSERVICE INSPECTION</b>		<b>1</b>
1	10/29/2012	11/02/2012	IP 7111108G	Inservice Inspection Activities - BWR	
			<b>71124 - 71124.06 RAD EFFLUENT MONT TREATMENT</b>		<b>1</b>
1	01/28/2013	02/01/2013	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	
			<b>60855 - ISFSI LOADING INSPECTION</b>		<b>1</b>
1	03/01/2013	05/24/2013	IP 60855	Operation Of An ISFSI	
1	03/01/2013	05/24/2013	IP 60855.1	Operation of an Independent Spent Fuel Storage Installation at Operating Plants	

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

**Oyster Creek**  
**Inspection / Activity Plan**  
**07/01/2012 - 12/31/2013**

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			<b>711111B - OYSTER CREEK REQL INSP WITH P/F RESULTS</b>		<b>2</b>
1	05/27/2013	05/31/2013	IP 711111Q	Licensed Operator Requalification Program	
			<b>71124 - OC IP 71124.07 REMP</b>		<b>1</b>
1	06/10/2013	06/14/2013	IP 71124.07	Radiological Environmental Monitoring Program	
			<b>7111121 - CDBI</b>		<b>6</b>
1	09/09/2013	09/13/2013	IP 7111121	Component Design Bases Inspection	
1	09/23/2013	09/27/2013	IP 7111121	Component Design Bases Inspection	
1	10/07/2013	10/11/2013	IP 7111121	Component Design Bases Inspection	
			<b>EP EX - EP EXERCISE EVALUATION</b>		<b>5</b>
1	10/07/2013	10/11/2013	IP 7111401	Exercise Evaluation	
1	10/07/2013	10/11/2013	IP 7111404	Emergency Action Level and Emergency Plan Changes	
			<b>TI-182 - DEGRAD UNDERGROUND PIPING - PHASE 2</b>		<b>1</b>
1	10/28/2013	11/01/2013	IP 2515/182	Review of the Implementation of the Industry Initiative to Control Degradation of Underground Piping	