



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION I  
475 ALLENDALE ROAD  
KING OF PRUSSIA, PENNSYLVANIA 19406-1415

March 5, 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: ANNUAL ASSESSMENT LETTER FOR OYSTER CREEK GENERATING  
STATION (REPORT 05000219/2011001)

Dear Mr. Pacilio:

On February 15, 2012, the U. S. Nuclear Regulatory Commission (NRC) completed its end-of-cycle performance review of Oyster Creek Generating Station. The NRC reviewed the most recent quarterly performance indicators (PIs) in addition to inspection results and enforcement actions from January 1, 2011 through December 31, 2011. 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 performance review and enclosed inspection plan do not include security information. A separate letter will include the NRC's assessment of your performance in the Security Cornerstone and its security-related inspection plan.

The NRC determined that overall, Oyster Creek operated in a manner that preserved public health and safety and met all cornerstone objectives. 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 NRC evaluates cross-cutting themes to determine whether a substantive cross-cutting issue exists in a particular area and to encourage licensees to take appropriate action before more significant performance issues emerge. Regarding Oyster Creek, the NRC identified that there were four Green findings for the current twelve month assessment period with a documented cross-cutting aspect in Human Performance, and that there was a common cross-cutting theme associated with these findings. The theme states that licensee's ensure that personnel, equipment, procedures, and other resources are available and adequate to ensure nuclear safety. Specifically, that those resources are complete, accurate, with up-to-date design documentation, procedures, work packages, and correct labeling of components. [H.2(c)].

In evaluating the scope of efforts and progress in addressing the cross-cutting theme, the NRC determined that Exelon has recognized the cross-cutting theme and has developed and implemented improvement plan actions. Therefore, the staff has determined that a substantive cross-cutting issue in Human Performance does not exist at this time. We will monitor your progress in the area of Human Performance through the baseline inspection program, including a focused review of your corrective actions.

The enclosed inspection plan lists the inspections scheduled through June 30, 2013. Routine inspections performed by resident inspectors 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 mid-cycle performance review. The NRC provides the inspection plan to allow for the resolution of any scheduling conflicts and personnel availability issues. In addition to the baseline inspections, the NRC plans to conduct Temporary Instructions (TI)-182, "Review of the Implementation of the Industry Initiative to Control Degradation of Underground Piping and Tanks," and TI-185 "Follow-up on the Industry's Ground Water Protection Initiative." The NRC will contact you as soon as possible to discuss changes to the inspection plan should circumstances warrant any changes.

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 document 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  
Reactor Projects Branch 6  
Division of Reactor Projects

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

Enclosure: Oyster Creek Inspection/Activity Plan

cc: Distribution via ListServ

The enclosed inspection plan lists the inspections scheduled through June 30, 2013. Routine inspections performed by resident inspectors 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 mid-cycle performance review. The NRC provides the inspection plan to allow for the resolution of any scheduling conflicts and personnel availability issues. In addition to the baseline inspections, the NRC plans to conduct Temporary Instructions (TI)-182, "Review of the Implementation of the Industry Initiative to Control Degradation of Underground Piping and Tanks," and TI-185 "Follow-up on the Industry's Ground Water Protection Initiative." The NRC will contact you as soon as possible to discuss changes to the inspection plan should circumstances warrant any changes.

In addition, the NRC plans to conduct an IP 60855.1, "Operation of an Independent Spent Fuel Storage Installation at Operating Plants" inspection, and Temporary Instructions (TI)-182, "Degradation of Underground Piping," and TI-185, "Follow-up on the Industry's Ground Water Protection Initiative."

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**SUNSI Review Complete: GKH (Reviewer's Initials)**

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OFFICE <i>mmt</i>	RI/DRP	RI/DRP	
NAME	SBarber/SB	GHunegs/GKH	
DATE	02/29/12	03/01/12	

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Oyster Creek  
 Inspection / Activity Plan  
 01/01/2012 - 06/30/2013

Unit Number	Planned Dates Start	Planned Dates End	Inspection Activity	Title	No. of Staff on Site
			<b>5/14EXAM - OYSTER CREEK INITIAL OL EXAM</b>		<b>4</b>
1	04/16/2012	04/20/2012	U01848	FY12-OYSTER CREEK INITIAL OPERATOR LICENSING EXAM	
1	05/14/2012	05/18/2012	U01848	FY12-OYSTER CREEK INITIAL OPERATOR LICENSING EXAM	
			<b>7111117 - PERMANENT PLANT MODS</b>		<b>3</b>
1	01/23/2012	01/27/2012	IP 7111117T	Evaluations of Changes, Tests, or Experiments and Permanent Plant Modifications	
1	02/06/2012	02/10/2012	IP 7111117T	Evaluations of Changes, Tests, or Experiments and Permanent Plant Modifications	
			<b>7111107T - TRIENNIAL HEAT SINK</b>		<b>1</b>
1	02/27/2012	03/02/2012	IP 7111107T	Heat Sink Performance	
			<b>71124 - RADWASTE</b>		<b>1</b>
1	04/02/2012	04/06/2012	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
			<b>TI 182 - DEGRADATION OF UNDERGROUND PIPING</b>		<b>1</b>
1	04/30/2012	05/04/2012	IP 2515/182	Review of the Implementation of the Industry Initiative to Control Degradation of Underground Piping	
			<b>71124 - RAD AIRBORNE &amp; DOSE ASSESSMENT &amp; ISFSI</b>		<b>1</b>
1	06/04/2012	06/07/2012	IP 60855.1	Operation of an Independent Spent Fuel Storage Installation at Operating Plants	
1	06/04/2012	06/07/2012	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1	06/04/2012	06/07/2012	IP 71124.04	Occupational Dose Assessment	
			<b>71124 - RAD MONT INSTRUMENTATION &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>7</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>71124 - RAD HAZARD ACCESS CONTROL &amp; OCC ALARA</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	
			<b>71124 - HP INSPECTION 01 02 03 04</b>		<b>1</b>
1	10/15/2012	10/18/2012	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1	10/15/2012	10/18/2012	IP 71124.02	Occupational ALARA Planning and Controls	
1	10/15/2012	10/18/2012	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1	10/15/2012	10/18/2012	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	

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

Oyster Creek  
Inspection / Activity Plan  
01/01/2012 - 06/30/2013

Unit Number	Planned Dates Start	Planned Dates End	Inspection Activity	Title	No. of Staff on Site
			<b>7111108G - INSERVICE INSPECTION</b>		
1	10/29/2012	11/02/2012	IP 7111108G	Inservice Inspection Activities - BWR	1
			<b>71124 - 71124.01 RAD ENV MONT PROGRAM</b>		
1	01/28/2013	02/01/2013	IP 71124.07	Radiological Environmental Monitoring Program	1
			<b>7111121 - CDBI</b>		
1	03/11/2013	03/15/2013	IP 7111121	Component Design Bases Inspection	6
1	03/25/2013	03/29/2013	IP 7111121	Component Design Bases Inspection	
1	04/08/2013	04/12/2013	IP 7111121	Component Design Bases Inspection	
			<b>7111111B - OYSTER CREEK REQL INSP WITH P/F RESULTS</b>		
1	05/27/2013	05/31/2013	IP 7111111Q	Licensed Operator Requalification Program	2

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