



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

September 1, 2009

Mr. Charles G. Pardee  
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**

Dear Mr. Pardee:

On August 11, 2009, the NRC staff completed its performance review of the Oyster Creek Nuclear Generating Station. Our technical staff reviewed performance indicators (PIs) for the most recent quarter and inspection results for the period from July 1, 2008 through June 30, 2009. The purpose of this letter is to inform you of our assessment of your safety performance during this period and our plans for future inspections at your facility.

This performance review and enclosed inspection plan do not include security information. A separate letter designated and marked as "Official Use Only – Security Information" will include the security cornerstone review and resultant inspection plan.

Plant performance for the most recent quarter of 2009 at Oyster Creek was within the Licensee Response column of the NRC's Action Matrix, based on all inspection findings being classified as having very low safety significance (Green) and all PIs indicating performance at a level requiring no additional NRC oversight (Green). Therefore, we plan to conduct reactor oversight process (ROP) baseline inspections at your facility.

On July 12, Oyster Creek experienced a reactor scram and a loss-of-offsite power event. Once this scram is considered in the PI process, Oyster Creek will be reassessed and may be placed in a different column of the NRC's action matrix. This would result in additional NRC inspection and oversight of plant activities. The reassessment and any additional inspection activities will be documented in a follow-up letter.

The enclosed inspection plan details the inspections, less those related to physical protection, scheduled through December 31, 2010. In addition to the baseline inspections, independent spent fuel storage installation (ISFSI) inspections will be performed. The inspection plan is provided to allow for the resolution of any scheduling conflicts and personnel availability issues well in advance of inspector arrival onsite. Routine resident inspections are not listed due to their ongoing and continuous nature. The inspections in the last nine months of the inspection plan are tentative and may be revised at the end-of-cycle review.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter and its enclosure will be made 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).

As you may know, the NRC is currently evaluating the scope and frequency of all the baseline inspection procedures as part of our biennial review of the ROP. If the results of the evaluation, or any other circumstances, cause us to change the inspection plan, we will contact you to discuss the change as soon as possible. Please contact me at 610-337-5200 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

**/RA/**

Ronald R. Bellamy, Ph.D., Chief  
Reactor Projects Branch 6  
Division of Reactor Projects

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

Enclosure: Oyster Creek Inspection/ Activity Plan

cc w/encl:

C. Crane, President and Chief Operating Officer, Exelon Corporation  
M. Pacilio, Chief Operating Officer, Exelon Nuclear  
M. Massaro, Site Vice President, Oyster Creek Nuclear Generating Station  
P. Orphanos, Plant Manager, Oyster Creek Generating Station  
J. Barstow, Regulatory Assurance Manager, Oyster Creek  
J. Grimes, Acting Senior Vice President, Mid-Atlantic Operations  
K. Jury, Vice President, Licensing and Regulatory Affairs  
P. Cowan, Director, Licensing  
B. Fewell, Associate General Counsel, Exelon  
Correspondence Control Desk, Exelon Nuclear  
Mayor of Lacey Township  
P. Mulligan, Chief, NJ Dept of Environmental Protection  
R. Shadis, New England Coalition Staff  
E. Gbur, Chairwoman - Jersey Shore Nuclear Watch  
E. Zobian, Coordinator - Jersey Shore Anti Nuclear Alliance  
P. Baldauf, Assistant Director, NJ Radiation Protection Programs

Oyster Creek  
 Inspection / Activity Plan  
 07/01/2009 - 12/31/2010

Unit Number	Planned Dates Start	Planned Dates End	Inspection Activity	Title	No. of Staff on Site
<b>EP EXER - EP EXERCISE INSPECTION</b>					<b>5</b>
1	10/04/2009	10/10/2009	IP 7111401	Exercise Evaluation	
1	10/04/2009	10/10/2009	IP 7111404	Emergency Action Level and Emergency Plan Changes	
1	10/04/2009	10/10/2009	IP 71151-EP01	Drill/Exercise Performance	
1	10/04/2009	10/10/2009	IP 71151-EP02	ERO Drill Participation	
1	10/04/2009	10/10/2009	IP 71151-EP03	Alert & Notification System	
<b>71122 - REMP</b>					<b>1</b>
1	10/19/2009	10/23/2009	IP 7112203	Radiological Environmental Monitoring Program (REMP) And Radioactive Material Control Program	
<b>7112201 - PUB RAD SAFETY</b>					<b>1</b>
1	10/19/2009	10/23/2009	IP 7112201	Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems	
<b>TI-173 - GROUND WATER TI</b>					<b>1</b>
1	10/19/2009	10/23/2009	IP 2515/173	Review of the Implementation of the Industry Ground Water Protection Voluntary Initiative	
<b>71121 - OCC RAD SAFETY</b>					<b>1</b>
1	11/30/2009	12/04/2009	IP 60855	Operation Of An ISFSI	
1	11/30/2009	12/04/2009	IP 7112101	Access Control to Radiologically Significant Areas	
1	11/30/2009	12/04/2009	IP 71151	Performance Indicator Verification	
<b>5/17EXAM - OPERATOR LICENSING INITIAL EXAMS</b>					<b>5</b>
1	04/19/2010	04/23/2010	U01771	FY10 - OYSTER CREEK INITIAL OPERATOR LICENSING EXAM	
1	05/17/2010	05/28/2010	U01771	FY10 - OYSTER CREEK INITIAL OPERATOR LICENSING EXAM	
<b>71121 - OCC RAD SAFETY</b>					<b>1</b>
1	04/12/2010	04/16/2010	IP 7112101	Access Control to Radiologically Significant Areas	
1	04/12/2010	04/16/2010	IP 7112102-7112102R	ALARA - Required	
1	04/12/2010	04/16/2010	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment	
1	04/12/2010	04/16/2010	IP 7112203	Radiological Environmental Monitoring Program (REMP) And Radioactive Material Control Program	
<b>ISFSI - OPERATION OF AN ISFSI</b>					<b>2</b>
1	05/10/2010	05/14/2010	IP 60855	Operation Of An ISFSI	
<b>71152B - PI&amp;R</b>					<b>4</b>
1	06/14/2010	06/18/2010	IP 71152B	Identification and Resolution of Problems	
1	06/28/2010	07/02/2010	IP 71152B	Identification and Resolution of Problems	
<b>7111121 - COMPONENT DESIGN BASES INSPECTION</b>					<b>9</b>
1	08/02/2010	08/06/2010	IP 7111121	Component Design Bases Inspection	
1	08/16/2010	08/27/2010	IP 7111121	Component Design Bases Inspection	
<b>EP PROGR - EP PROGRAM INSPECTION</b>					<b>1</b>
1	08/30/2010	09/03/2010	IP 7111402	Alert and Notification System Testing	
1	08/30/2010	09/03/2010	IP 7111403	Emergency Response Organization Augmentation Testing	

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

**Oyster Creek**  
**Inspection / Activity Plan**  
**07/01/2009 - 12/31/2010**

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
<b>EP PROGR - EP PROGRAM INSPECTION</b>					<b>1</b>
1	08/30/2010	09/03/2010	IP 7111404	Emergency Action Level and Emergency Plan Changes	
1	08/30/2010	09/03/2010	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies	
1	08/30/2010	09/03/2010	IP 71151-EP01	Drill/Exercise Performance	
1	08/30/2010	09/03/2010	IP 71151-EP02	ERO Drill Participation	
1	08/30/2010	09/03/2010	IP 71151-EP03	Alert & Notification System	
<b>7111108G - INSERVICE INSPECTION</b>					<b>1</b>
1	11/08/2010	11/12/2010	IP 7111108G	Inservice Inspection Activities - BWR	

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