



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

September 1, 2010

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

Dear Mr. Pacilio:

On August 11, 2010, the Nuclear Regulatory Commission (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, 2009, through June 30, 2010. 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 2010 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). Additionally, in the second quarter of 2010, Oyster Creek performance transitioned from the Regulatory Response column to the Licensee Response column based on the resolution of a White PI associated with Reactor Scrams per 7000 critical hours. On February 18, 2010, the NRC staff completed a supplemental inspection in accordance with Inspection Procedure 95001, "Inspection for One or Two White Inputs in a Strategic Performance Area." The inspectors concluded that your overall performance in the areas of problem identification, evaluation, and corrective actions with regards to the White PI was acceptable. Therefore, we plan to conduct reactor oversight process (ROP) baseline inspections at your facility.

The enclosed inspection plan details the inspections, less those related to physical protection, scheduled through December 31, 2011. In addition to the baseline inspections, we plan to conduct Inspection Procedure 71003, "Post-Approval Site Inspection for License Renewal" during the fall 2010 refueling outage. 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).

If circumstances arise which cause us to change the inspection plan, we will contact you to discuss the change as soon as possible. Please contact Ron Bellamy at 610-337-5200 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

A handwritten signature in cursive script, appearing to read "James W. Clifford".

James W. Clifford, Acting Director
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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Sincerely,

/RA/
James W. Clifford, Acting Director
Division of Reactor Projects

Docket Nos.: 50-219
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cc w/encl: Distribution via ListServ

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OFFICE	RI/DRP	RI/DRP	RI/DRP	RI/DRP
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DATE	08/23 /10	08/27 /10	08/ 27/10	09/01 /10

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Oyster Creek
 Inspection / Activity Plan
 07/01/2010 - 12/31/2011

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			71152B - PI&R		4
1	06/28/2010	07/02/2010	IP 71152B	Identification and Resolution of Problems	
			HP-71124 - INSTRUMENTS / RTS / ISFSI		1
1	07/12/2010	07/16/2010	IP 60855	Operation Of An ISFSI	
1	07/12/2010	07/16/2010	IP 71124.05	Radiation Monitoring Instrumentation	
1	07/12/2010	07/16/2010	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	
			7111121 - COMPONENT DESIGN BASES INSPECTION		7
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	
			EP PROGR - EP PROGRAM INSPECTION		1
1	08/30/2010	09/03/2010	IP 7111402	Alert and Notification System Testing	
1	08/30/2010	09/03/2010	IP 7111403	Emergency Preparedness Organization Staffing and Augmentation System	
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	
			HP-71124 - ACCESS/ALARA/AIR/DOSE/INSTRUMENTS		1
1	10/04/2010	10/08/2010	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1	10/04/2010	10/08/2010	IP 71124.02	Occupational ALARA Planning and Controls	
1	10/04/2010	10/08/2010	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1	10/04/2010	10/08/2010	IP 71124.04	Occupational Dose Assessment	
1	10/04/2010	10/08/2010	IP 71124.05	Radiation Monitoring Instrumentation	
			LR 71003 - POE COMMITMENT FOLLOW UP		2
1	11/01/2010	11/26/2010	IP 71003	Post-Approval Site Inspection for License Renewal	
			7111108G - INSERVICE INSPECTION		1
1	11/08/2010	11/12/2010	IP 7111108G	Inservice Inspection Activities - BWR	
			HP-71124 - ACCESS/ALARA/AIR/DOSE/INSTRUMENTS		1
1	11/08/2010	11/12/2010	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1	11/08/2010	11/12/2010	IP 71124.02	Occupational ALARA Planning and Controls	
1	11/08/2010	11/12/2010	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1	11/08/2010	11/12/2010	IP 71124.04	Occupational Dose Assessment	
1	11/08/2010	11/12/2010	IP 71124.05	Radiation Monitoring Instrumentation	
			HP-71124 - ACCESS/ALARA/AIR/DOSE/INSTRUMENTS/PI		1
1	12/06/2010	12/10/2010	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	

This report does not include INPO and OUTAGE activities.
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Oyster Creek
 Inspection / Activity Plan
 07/01/2010 - 12/31/2011

Unit Number	Planned Dates Start	Planned Dates End	Inspection Activity	Title	No. of Staff on Site
			HP-71124 - ACCESS/ALARA/AIR/DOSE/INSTRUMENTS/PI		1
1	12/06/2010	12/10/2010	IP 71124.02	Occupational ALARA Planning and Controls	
1	12/06/2010	12/10/2010	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1	12/06/2010	12/10/2010	IP 71124.04	Occupational Dose Assessment	
1	12/06/2010	12/10/2010	IP 71124.05	Radiation Monitoring Instrumentation	
1	12/06/2010	12/10/2010	IP 71151-OR01	Occupational Exposure Control Effectiveness	
1	12/06/2010	12/10/2010	IP 71151-PR01	RETS/ODCM Radiological Effluent	
			07/11EXM - OPERATOR LICENSING INITIAL EXAMS		5
1	06/13/2011	06/17/2011	U01831	FY11- OYSTER CREEK, INITIAL OL EXAM	
1	07/11/2011	07/20/2011	U01831	FY11- OYSTER CREEK, INITIAL OL EXAM	
			TRI FIRE - TRIENNIAL FIRE PROTECTION INSPECTION		5
1	03/14/2011	03/18/2011	IP 7111105T	Fire Protection [Triennial]	
1	03/28/2011	04/01/2011	IP 7111105T	Fire Protection [Triennial]	
			HP-71124 - ACCESS/ALARA/AIR/DOSE/INSTRUMENTS		1
1	03/14/2011	03/18/2011	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1	03/14/2011	03/18/2011	IP 71124.02	Occupational ALARA Planning and Controls	
1	03/14/2011	03/18/2011	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1	03/14/2011	03/18/2011	IP 71124.04	Occupational Dose Assessment	
1	03/14/2011	03/18/2011	IP 71124.05	Radiation Monitoring Instrumentation	
			711111B - OC REQUAL INSP W/ P/F RESULTS		3
1	05/23/2011	05/27/2011	IP 7111111B	Licensed Operator Requalification Program	
			HP-71124 - INSTRUMENTS / REMP / ISFSI		1
1	07/11/2011	07/15/2011	IP 60855	Operation Of An ISFSI	
1	07/11/2011	07/15/2011	IP 71124.05	Radiation Monitoring Instrumentation	
1	07/11/2011	07/15/2011	IP 71124.07	Radiological Environmental Monitoring Program	
			TI-177 - MANAGING GAS ACCUMULATION IN ECCS		2
1	09/12/2011	09/16/2011	IP 2515/177	Managing Gas Accumulation In Emergency Core Cooling, Decay Heat Removal & Containment Spray System	
			EP EX - EP EXERCISE EVALUATION		4
1	09/26/2011	09/30/2011	IP 7111401	Exercise Evaluation	
1	09/26/2011	09/30/2011	IP 7111404	Emergency Action Level and Emergency Plan Changes	
1	09/26/2011	09/30/2011	IP 71151-EP01	Drill/Exercise Performance	
1	09/26/2011	09/30/2011	IP 71151-EP02	ERO Drill Participation	
1	09/26/2011	09/30/2011	IP 71151-EP03	Alert & Notification System	
			HP-71124 - ACCESS/ALARA/AIR/DOSE/INSTRUMENTS/PI		1
1	10/31/2011	11/04/2011	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	

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1	10/31/2011	11/04/2011	IP 71124.02	Occupational ALARA Planning and Controls	
1	10/31/2011	11/04/2011	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1	10/31/2011	11/04/2011	IP 71124.04	Occupational Dose Assessment	
1	10/31/2011	11/04/2011	IP 71124.05	Radiation Monitoring Instrumentation	
1	10/31/2011	11/04/2011	IP 71151-OR01	Occupational Exposure Control Effectiveness	
1	10/31/2011	11/04/2011	IP 71151-PR01	RETS/ODCM Radiological Effluent	

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