



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

March 3, 2010

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: ANNUAL PERFORMANCE REVIEW AND INSPECTION PLAN –
OYSTER CREEK NUCLEAR GENERATING STATION
(05000219/2010001)

Dear Mr. Pardee:

On February 12, 2010, the NRC staff completed its performance review of Oyster Creek. Our technical staff reviewed performance indicators (PIs) for the most recent quarter and inspection results for the period from January 1 through December 31, 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.

Overall, Oyster Creek operated in a manner that preserved public health and safety and fully met all cornerstone objectives. Plant performance for the most recent quarter was within the Regulatory Response column of the NRC's Action Matrix, based on the PI for "Unplanned Scrams per 7000 Critical Hours" being White (low to moderate safety significance). This plant performance was reviewed as part of the quarterly performance assessment of Oyster Creek and documented in an assessment follow-up letter (ML093020034)¹.

On January 4, 2010, we were notified by your staff of your readiness for the NRC to conduct a supplemental inspection to review the actions taken to address the PI for "Unplanned Scrams per 7000 Critical Hours." Therefore, in addition to the planned reactor oversight process (ROP) baseline inspections, we conducted a supplemental inspection using Inspection Procedure 95001, "Inspection for One or Two Inputs in a Strategic Performance Area," from February 16 through February 18, 2010. The supplemental inspection was conducted to provide assurance that the root and contributing causes for the finding are understood, the extent of condition and extent of cause are identified, and to provide assurance that the corrective actions are sufficient to prevent recurrence. The results of this inspection will be provided to you via separate correspondence.

¹ Designation in parenthesis refers to an ADAMS accession number. Documents referenced in this letter are publicly available using the accession number in ADAMS.

The enclosed inspection plan details the inspections, less those related to physical protection, scheduled through June 30, 2011. In addition to baseline inspections, we plan on conducting the Post-Approval Site Inspection for License Renewal (IP 71003) in November, 2010. 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 mid-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 this inspection plan, we will contact you to discuss the change as soon as possible. Please contact Dr. Ronald Bellamy at 610-337-5200 with any questions you may have regarding this letter.

Sincerely,

A handwritten signature in black ink, appearing to read 'D. Lew', written in a cursive style.

David C. Lew, Director
Division of Reactor Projects
Region I

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

cc w/encls: Distribution via ListServ
Oyster Creek Inspection/ Activity Plan

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Sincerely,
/RA/
 David C. Lew, Director
 Division of Reactor Projects
 Region I

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DATE	02/24 /10	02/20/10/	02/24 /10	03/02 /10

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Oyster Creek

Inspection / Activity Plan

01/01/2010 - 06/30/2011

Unit Number	Planned Dates Start	Planned Dates End	Inspection Activity	Title	No. of Staff on Site
1	04/19/2010	04/23/2010	5/17EXAM U01771	- OPERATOR LICENSING INITIAL EXAMS FY10 - OYSTER CREEK INITIAL OPERATOR LICENSING EXAM	5
1	05/17/2010	05/28/2010	U01771	FY10 - OYSTER CREEK INITIAL OPERATOR LICENSING EXAM	
1	02/16/2010	02/19/2010	95001 IP 95001	- SUPP INSP - UNPLANNED SCRAM PI Supplemental Inspection For One Or Two White Inputs In A Strategic Performance Area	2
1	04/12/2010	04/16/2010	71124 IP 71124.08	- HP-RAD WASTE Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	1
1	05/10/2010	05/14/2010	ISFSI IP 60855	- OPERATION OF AN ISFSI Operation Of An ISFSI	2
1	06/14/2010	06/18/2010	71152B IP 71152B	- PI&R Identification and Resolution of Problems	4
1	06/28/2010	07/02/2010	IP 71152B	Identification and Resolution of Problems	
1	07/12/2010	07/16/2010	HP-71124 IP 60855	- INSTRUMENTS / RTS / ISFSI Operation Of An ISFSI	1
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	
1	08/02/2010	08/06/2010	7111121 IP 711121	- COMPONENT DESIGN BASES INSPECTION Component Design Bases Inspection	7
1	08/16/2010	08/27/2010	IP 711121	Component Design Bases Inspection	
1	08/30/2010	09/03/2010	EP PROGR IP 7111402	- EP PROGRAM INSPECTION Radiological Environmental Monitoring Program	1
1	08/30/2010	09/03/2010	IP 7111403	Emergency Response Organization Augmentation Testing	
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	
1	10/04/2010	10/08/2010	HP-71124 IP 71124.01	- ACCESS/ALARA/AIR/DOSE/INSTRUMENTS Radiological Hazard Assessment and Exposure Controls	1
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	
1	11/08/2010	11/12/2010	7111108G IP 7111108G	- INSERVICE INSPECTION Inservice Inspection Activities - BWR	1

This report does not include INPO and OUTAGE activities.

This report shows only on-site and announced inspection procedures.

Oyster Creek
 Inspection / Activity Plan
 01/01/2010 - 06/30/2011

Unit Number	Planned Dates Start	Planned Dates End	Inspection Activity	Title	No. of Staff on Site
1	11/08/2010	11/12/2010	HP-71124	- ACCESS/ALARA/AIR/DOSE/INSTRUMENTS	1
			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	
1	11/01/2010	11/26/2010	LR 71003	- POE COMMITMENT FOLLOW UP	2
			IP 71003	Post-Approval Site Inspection for License Renewal	
1	12/06/2010	12/10/2010	HP-71124	- ACCESS/ALARA/AIR/DOSE/INSTRUMENTS/PI	1
			IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
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	
1	03/14/2011	03/18/2011	TRI FIRE	- TRIENNIAL FIRE PROTECTION INSPECTION	3
			IP 7111105T	Fire Protection [Triennial]	
1	03/28/2011	04/01/2011	IP 7111105T	Fire Protection [Triennial]	
1	03/14/2011	03/18/2011	HP-71124	- ACCESS/ALARA/AIR/DOSE/INSTRUMENTS	1
			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	
1	05/23/2011	05/27/2011	711111B	- OC REQUAL INSP W/ P/F RESULTS	3
			IP 7111111B	Licensed Operator Requalification Program	

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 This report shows only on-site and announced inspection procedures.