



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

March 4, 2011

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 05000219/2010001)

Dear Mr. Pacilio:

On February 11, 2011, the Nuclear Regulatory Commission (NRC) completed its end-of-cycle performance review of Oyster Creek. The NRC reviewed the most recent quarterly performance indicators (PIs) in addition to inspection results and enforcement actions from January 1, 2010 through December 31, 2010. 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 enclosed inspection plan lists the inspections scheduled through June 30, 2012. 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. 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

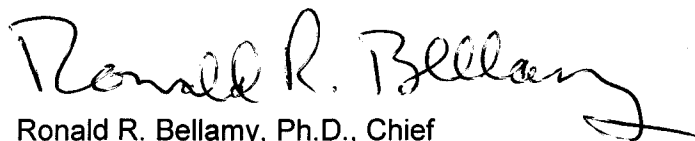
M. Pacilio

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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 610-337-5200 with any questions you have regarding this letter.

Sincerely,

A handwritten signature in black ink that reads "Ronald R. Bellamy". The signature is written in a cursive style with a long, sweeping tail on the final letter.

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

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

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

M. Pacilio

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Sincerely,
/RA/
Ronald R. Bellamy, Ph.D., Chief
Reactor Projects Branch 6
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Oyster Creek Inspection/Activity Plan

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OFFICE mmt	RI/DRP	RI/DRP	RI/DRP	
NAME	JKulp/JK	SBarber/SB	RBellamy/RB	
DATE	02/23/11	02/ 24 /11	02/ 28/11	

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Oyster Creek
 Inspection / Activity Plan
 01/01/2011 - 06/30/2012

Unit Number	Planned Dates Start	Planned Dates End	Inspection Activity	Title	No. of Staff on Site
TRI FIRE - TRIENNIAL FIRE PROTECTION INSPECTION					4
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/WASTE					1
1	03/21/2011	03/25/2011	IP 2515/179	Verification of Licensee Responses to NRC Requirement for Inventories of Materials Tracked in NSTS	
1	03/21/2011	03/25/2011	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1	03/21/2011	03/25/2011	IP 71124.02	Occupational ALARA Planning and Controls	
1	03/21/2011	03/25/2011	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1	03/21/2011	03/25/2011	IP 71124.04	Occupational Dose Assessment	
1	03/21/2011	03/25/2011	IP 71124.05	Radiation Monitoring Instrumentation	
1	03/21/2011	03/25/2011	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
711111B - OC REQUAL INSP W/ P/F RESULTS					2
1	05/23/2011	05/27/2011	IP 7111111B	Licensed Operator Requalification Program	
07/11EXM - OPERATOR LICENSING INITIAL EXAMS					4
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	
HP-71124 - INSTRUMENTS / REMP / ISFSI					1
1	07/11/2011	07/15/2011	IP 60855.1	Operation of an Independent Spent Fuel Storage Installation at Operating Plants	
1	07/11/2011	07/15/2011	IP 71124.05	Radiation Monitoring Instrumentation	
1	07/11/2011	07/15/2011	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	
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	10/17/2011	10/21/2011	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1	10/17/2011	10/21/2011	IP 71124.02	Occupational ALARA Planning and Controls	
1	10/17/2011	10/21/2011	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1	10/17/2011	10/21/2011	IP 71124.04	Occupational Dose Assessment	
1	10/17/2011	10/21/2011	IP 71124.05	Radiation Monitoring Instrumentation	

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

**Oyster Creek
Inspection / Activity Plan**

01/01/2011 - 06/30/2012

Unit Number	Planned Dates Start End	Inspection Activity	Title	No. of Staff on Site
HP-71124 - ACCESS/ALARA/AIR/DOSE/INSTRUMENTS/PI				1
1	10/17/2011 10/21/2011	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
1	10/17/2011 10/21/2011	IP 71151-OR01	Occupational Exposure Control Effectiveness	
1	10/17/2011 10/21/2011	IP 71151-PR01	RETS/ODCM Radiological Effluent	
5/14EXAM - OYSTER CREEK INITIAL EXAM				4
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	
7111117 - PERMANENT PLANT MODS				3
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	
INSP - ACCESS/ALARA/AIRBORNE/DOSE ASSESS				1
1	03/12/2012 03/16/2012	IP 2515/175	Emergency Response Organization, Drill/Exercise Performance Indicator, Program Review	
1	03/12/2012 03/16/2012	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1	03/12/2012 03/16/2012	IP 71124.02	Occupational ALARA Planning and Controls	
1	03/12/2012 03/16/2012	IP 71124.04	Occupational Dose Assessment	

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