



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

September 2, 2008

Mr. Charles G. Pardee  
Chief Nuclear Officer (CNO) and Senior Vice President  
Exelon Generation Company, LLC  
Chief Nuclear Officer (CNO)  
AmerGen Energy Company, LLC  
200 Exelon Way  
Kennett Square, PA 19348

**SUBJECT: MID CYCLE PERFORMANCE REVIEW AND INSPECTION PLAN -  
OYSTER CREEK**

Dear Mr. Pardee:

On August 11, 2008, the NRC staff completed its performance review of the Oyster Creek Nuclear Generating Station (Oyster Creek) for the first half of calendar year 2008 assessment cycle. Our technical staff reviewed performance indicators (PIs) for the most recent quarter and inspection results over the previous twelve months. 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 2008 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.

The enclosed inspection plan details the inspections, less those related to physical protection, scheduled through December 31, 2009. In addition to baseline inspections, we plan on conducting an independent spent fuel storage installation (ISFSI) inspection and license renewal commitments inspections. 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 this 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 by Raymond J. Powell Acting for/**

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

Docket No. 50-219  
License No. DPR-16

Enclosure: Oyster Creek Inspection/ Activity Plan

cc w/encl:

C. Crane, Executive Vice President, Exelon, Chief Operating Officer, Exelon Generation  
M. Pacilio, Chief Operating Officer, Exelon  
T. Rausch, Site Vice President, Oyster Creek Nuclear Generating Station  
J. Randich, Plant Manager, Oyster Creek Generating Station  
J. Kandasamy, Regulatory Assurance Manager, Oyster Creek  
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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**  
**07/01/2008 - 12/31/2009**

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	Planned Dates End	Inspection Type
	<b>RETAKE - RETAKE OL OP TEST</b>		<b>2</b>			
1	U01775	FY-08 OYSTER CREEK OPERATOR LICENSING RETAKE EXAMS		08/18/2008	08/22/2008	Not Applicable
1	U01775	FY-08 OYSTER CREEK OPERATOR LICENSING RETAKE EXAMS		08/18/2008	08/22/2008	Not Applicable
	<b>71152B - PI&amp;R</b>		<b>5</b>			
1	IP 71152B	Identification and Resolution of Problems		07/21/2008	07/25/2008	Baseline Inspections
1	IP 71152B	Identification and Resolution of Problems		08/03/2008	08/08/2008	Baseline Inspections
	<b>71121 - OCC RADIATION PROTECTION</b>		<b>1</b>			
1	IP 7112101	Access Control to Radiologically Significant Areas		09/08/2008	09/12/2008	Baseline Inspections
1	IP 7112102	ALARA Planning and Controls		09/08/2008	09/12/2008	Baseline Inspections
1	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		09/08/2008	09/12/2008	Baseline Inspections
	<b>TI 176 - TI 176</b>		<b>1</b>			
1	IP 2515/176	Emergency Diesel Generator Tech Spec Surveillance Requirements Re: Endurance & Margin		09/15/2008	09/19/2008	Generic Safety Inspectio
	<b>EP - EP PROGRAM INSPECTION</b>		<b>1</b>			
1	IP 7111402	Alert and Notification System Testing		10/06/2008	10/10/2008	EP Baseline Inspection
1	IP 7111403	Emergency Response Organization Augmentation Testing		10/06/2008	10/10/2008	EP Baseline Inspection
1	IP 7111404	Emergency Action Level and Emergency Plan Changes		10/06/2008	10/10/2008	EP Baseline Inspection
1	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies		10/06/2008	10/10/2008	EP Baseline Inspection
1	IP 71151-EP01	Drill/Exercise Performance		10/06/2008	10/10/2008	Baseline Inspections
1	IP 71151-EP02	ERO Drill Participation		10/06/2008	10/10/2008	Baseline Inspections
1	IP 71151-EP03	Alert & Notification System		10/06/2008	10/10/2008	Baseline Inspections
	<b>71003 - LR COMMITMENTS INSP - OUTAGE</b>		<b>4</b>			
1	IP 71003	Post-Approval Site Inspection for License Renewal		10/27/2008	10/31/2008	License Renewal Inspe
1	IP 71003	Post-Approval Site Inspection for License Renewal		10/28/2008	10/29/2008	License Renewal Inspe
	<b>7111108G - INSERVICE INSPECTION</b>		<b>1</b>			
1	IP 7111108G	Inservice Inspection Activities - BWR		10/27/2008	10/31/2008	Baseline Inspections
	<b>71121 - OCC RADIATION PROTECTION</b>		<b>1</b>			
1	IP 7112101	Access Control to Radiologically Significant Areas		10/27/2008	10/31/2008	Baseline Inspections
1	IP 7112102	ALARA Planning and Controls		10/27/2008	10/31/2008	Baseline Inspections
1	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		10/27/2008	10/31/2008	Baseline Inspections
	<b>71121 - OCC RADIATION PROTECTION</b>		<b>1</b>			
1	IP 60855	Operation Of An ISFSI		12/08/2008	12/12/2008	Other Routine
1	IP 7112101	Access Control to Radiologically Significant Areas		12/08/2008	12/12/2008	Baseline Inspections
1	IP 7112102	ALARA Planning and Controls		12/08/2008	12/12/2008	Baseline Inspections
1	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		12/08/2008	12/12/2008	Baseline Inspections
1	IP 71151-OR01	Occupational Exposure Control Effectiveness		12/08/2008	12/12/2008	Baseline Inspections

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

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**Inspection / Activity Plan**  
**07/01/2008 - 12/31/2009**

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	<b>71121 - OCC RADIATION PROTECTION</b>		<b>1</b>			
1	IP 71151-PR01	RETS/ODCM Radiological Effluent		12/08/2008	12/12/2008	Baseline Inspections
	<b>TI 171 - TI 171</b>		<b>3</b>			
1	IP 2515/171	Verification of Site Specific Implementation Of B.5.b Phase 2 & 3 Mitigating Strategies		12/08/2008	12/12/2008	Generic Safety Inspectio
	<b>5/04 EXM - INITIAL OPERATOR LICENSING EXAMS</b>		<b>5</b>			
1	U01761	FY-09 OYSTER CREEK INITIAL OPERATOR LICENSING EXAM		04/06/2009	04/10/2009	Not Applicable
1	U01761	FY-09 OYSTER CREEK INITIAL OPERATOR LICENSING EXAM		05/04/2009	05/08/2009	Not Applicable
1	U01761	FY-09 OYSTER CREEK INITIAL OPERATOR LICENSING EXAM		05/11/2009	05/15/2009	Not Applicable
	<b>71003 - LR COMMITMENTS INSP - NON-OUTAGE</b>		<b>5</b>			
1	IP 71003	Post-Approval Site Inspection for License Renewal		03/09/2009	03/13/2009	License Renewal Inspe
1	IP 71003	Post-Approval Site Inspection for License Renewal		03/23/2009	03/27/2009	License Renewal Inspe
	<b>71121 - OCC RAD</b>		<b>1</b>			
1	IP 7112101	Access Control to Radiologically Significant Areas		03/23/2009	03/27/2009	Baseline Inspections
1	IP 7112102	ALARA Planning and Controls		03/23/2009	03/27/2009	Baseline Inspections
1	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		03/23/2009	03/27/2009	Baseline Inspections
	<b>ISFSI - ANNUAL SAMPLE - ISFSI INSPECTION</b>		<b>1</b>			
1	IP 60855	Operation Of An ISFSI		04/01/2009	06/30/2009	Other Routine
	<b>7111111B - BIENNIAL REQUAL INSPECT WITH P/F RESULTS</b>		<b>3</b>			
1	IP 7111111B	Licensed Operator Requalification Program		06/15/2009	06/19/2009	Baseline Inspections
	<b>MODS - PERMANENT PLANT MODIFICATIONS</b>		<b>2</b>			
1	IP 7111117T	Evaluations of Changes, Tests, or Experiments and Permanent Plant Modifications		04/27/2009	05/01/2009	Baseline Inspections
1	IP 7111117T	Evaluations of Changes, Tests, or Experiments and Permanent Plant Modifications		05/11/2009	05/15/2009	Baseline Inspections
	<b>7111107T - HEAT SINK INSP</b>		<b>1</b>			
1	IP 7111107T	Heat Sink Performance		06/15/2009	06/19/2009	Baseline Inspections
	<b>71122 - REMP</b>		<b>1</b>			
1	IP 7112203	Radiological Environmental Monitoring Program (REMP) And Radioactive Material Control Program		08/17/2009	08/21/2009	Baseline Inspections
	<b>EP EXER - EP EXERCISE INSPECTION</b>		<b>2</b>			
1	IP 7111401	Exercise Evaluation		10/04/2009	10/10/2009	EP Baseline Inspection
1	IP 7111404	Emergency Action Level and Emergency Plan Changes		10/04/2009	10/10/2009	EP Baseline Inspection
1	IP 71151-EP01	Drill/Exercise Performance		10/04/2009	10/10/2009	Baseline Inspections
1	IP 71151-EP02	ERO Drill Participation		10/04/2009	10/10/2009	Baseline Inspections
1	IP 71151-EP03	Alert & Notification System		10/04/2009	10/10/2009	Baseline Inspections
	<b>71121 - OCC RAD SAFETY</b>		<b>1</b>			
1	IP 60855	Operation Of An ISFSI		10/05/2009	10/09/2009	Other Routine
1	IP 7112101	Access Control to Radiologically Significant Areas		10/05/2009	10/09/2009	Baseline Inspections

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	<b>71121</b>	<b>- OCC RAD SAFETY</b>	<b>1</b>			
1	IP 71151	Performance Indicator Verification		10/05/2009	10/09/2009	Baseline Inspections
	<b>7112201</b>	<b>- PUB RAD SAFETY</b>	<b>1</b>			
1	IP 7112201	Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems		10/05/2009	10/09/2009	Baseline Inspections