



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

March 4, 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: ANNUAL ASSESSMENT LETTER – LIMERICK GENERATING STATION  
(REPORT 05000352/2009001 AND 05000353/2009001)**

Dear Mr. Pardee:

On February 10, 2009, the NRC Staff completed its performance review of Limerick Generating Station. Our technical staff reviewed performance indicators (PIs) for the most recent quarter and inspection results for the period from January 1 through December 31, 2008. 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, Limerick Generating Station Units 1 and 2 operated in a manner that preserved public health and safety and fully met all cornerstone objectives. Plant performance for the most recent quarter, as well as for the first three quarters of the assessment cycle, 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 June 30, 2010. In addition to the baseline inspections, we plan on conducting inspections of your independent spent fuel storage installation. 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 changes as soon as possible. Please contact me at 610-337-5120 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

/RA/

Paul G. Krohn, Chief  
Division of Reactor Projects  
Projects Branch 4

Docket Nos. 50-352, 50-353  
License Nos. NPF-39, NPF-85

Enclosure: Limerick Inspection/Activity Plan

cc w/encl:

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M. Pacilio, Chief Operating Officer, Exelon Nuclear  
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E. Callan, Plant Manager, Limerick Generating Station  
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D. Allard, Director, PA Dept of Environmental Protection  
J. Johnsrud, National Energy Committee, Sierra Club  
Chairman, Board of Supervisors of Limerick Township  
J. Powers, Director, PA Office of Homeland Security  
R. French, Dir, PA Emergency Management Agency  
Institute of Nuclear Power Operations (INPO)

If circumstances arise which cause us to change this inspection plan, we will contact you to discuss the changes as soon as possible. Please contact me at 610-337-5120 with any questions you may have regarding this letter or the inspection plan.

Sincerely,  
/RA/  
Paul G. Krohn, Chief  
Division of Reactor Projects

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DATE	02/ 24 /09	02/ 24 /09	

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## Limerick

## Inspection / Activity Plan

01/01/2009 - 06/30/2010

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
<b>71121 - OCC RAD SAFETY</b>					<b>1</b>
1,2	01/12/2009	01/16/2009	IP 7112101	Access Control to Radiologically Significant Areas	
1,2	01/12/2009	01/16/2009	IP 7112102	ALARA Planning and Controls	
<b>EP PROGR - EP PROGRAM INSPECTION</b>					<b>1</b>
1,2	03/02/2009	03/06/2009	IP 7111402	Alert and Notification System Testing	
1,2	03/02/2009	03/06/2009	IP 7111403	Emergency Response Organization Augmentation Testing	
1,2	03/02/2009	03/06/2009	IP 7111404	Emergency Action Level and Emergency Plan Changes	
1,2	03/02/2009	03/06/2009	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies	
1,2	03/02/2009	03/06/2009	IP 71151-EP01	Drill/Exercise Performance	
1,2	03/02/2009	03/06/2009	IP 71151-EP02	ERO Drill Participation	
1,2	03/02/2009	03/06/2009	IP 71151-EP03	Alert & Notification System	
<b>71122.03 - PUB RAD SAFETY - REMP</b>					<b>1</b>
1,2	03/09/2009	03/13/2009	IP 2515/173	Review of the Implementation of the Industry Ground Water Protection Voluntary Initiative	
1,2	03/09/2009	03/13/2009	IP 7112203	Radiological Environmental Monitoring Program (REMP) And Radioactive Material Control Program	
<b>7111108G - U2 INSERVICE INSPECTION</b>					<b>1</b>
2	03/30/2009	04/03/2009	IP 7111108G	Inservice Inspection Activities - BWR	
<b>71121 - OCC RAD SAFETY</b>					<b>1</b>
1,2	04/06/2009	04/10/2009	IP 7112101	Access Control to Radiologically Significant Areas	
1,2	04/06/2009	04/10/2009	IP 7112102	ALARA Planning and Controls	
<b>7112103 - OCC RAD SAFETY - INSTRUMENTS</b>					<b>1</b>
1,2	08/03/2009	08/07/2009	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment	
<b>71122.01 - PUB RAD SAFETY - RETS &amp; ANNUAL ISFSI</b>					<b>1</b>
1,2	08/17/2009	08/21/2009	IP 2515/173	Review of the Implementation of the Industry Ground Water Protection Voluntary Initiative	
1,2	08/17/2009	08/21/2009	IP 7112201	Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems	
<b>7111121 - CDBI</b>					<b>6</b>
1,2	10/05/2009	10/09/2009	IP 7111121	Component Design Bases Inspection	
1,2	10/19/2009	10/23/2009	IP 7111121	Component Design Bases Inspection	
1,2	10/26/2009	10/30/2009	IP 7111121	Component Design Bases Inspection	
<b>EP EXER - EP EXERCISE INSPECTION</b>					<b>2</b>
1,2	11/16/2009	11/20/2009	IP 7111401	Exercise Evaluation	
1,2	11/16/2009	11/20/2009	IP 7111404	Emergency Action Level and Emergency Plan Changes	
1,2	11/16/2009	11/20/2009	IP 71151-EP01	Drill/Exercise Performance	
1,2	11/16/2009	11/20/2009	IP 71151-EP02	ERO Drill Participation	
1,2	11/16/2009	11/20/2009	IP 71151-EP03	Alert & Notification System	

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

**Limerick**  
**Inspection / Activity Plan**  
**01/01/2009 - 06/30/2010**

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			<b>ISFSI - ANNUAL SAMPLE -- ISFSI INSPECTION</b>		<b>1</b>
1	01/01/2010	12/31/2010	IP 60855	Operation Of An ISFSI	
			<b>71121 - OCC RAD SAFETY</b>		<b>1</b>
1,2	01/04/2010	01/08/2010	IP 7112101	Access Control to Radiologically Significant Areas	
1,2	01/04/2010	01/08/2010	IP 7112102-7112102R	ALARA - Required	
			<b>7111108G - U1 INSERVICE INSPECTION</b>		<b>1</b>
1	03/29/2010	04/02/2010	IP 7111108G	Inservice Inspection Activities - BWR	
			<b>71121 - OCC RAD SAFETY</b>		<b>1</b>
1	04/05/2010	04/09/2010	IP 7112101	Access Control to Radiologically Significant Areas	
1	04/05/2010	04/09/2010	IP 7112102-7112102R	ALARA - Required	
			<b>TRI FIRE - TRIENNIAL FIRE PROTECTION INSPECTION</b>		<b>3</b>
1,2	05/10/2010	05/14/2010	IP 7111105T	Fire Protection [Triennial]	
1,2	05/24/2010	05/28/2010	IP 7111105T	Fire Protection [Triennial]	
			<b>7112202 - PUB RAD SAFETY - RADWASTE</b>		<b>1</b>
1,2	06/07/2010	06/11/2010	IP 7112202	Radioactive Material Processing and Transportation	

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