

March 2, 2005

Mr. Christopher M. Crane  
President and CNO  
Exelon Nuclear  
Exelon Generation Company, LLC  
200 Exelon Way KSA 3-E  
Kennett Square, PA 19348

SUBJECT: Annual Assessment Letter - Limerick Generating Station (Report  
05000352/2005001 and 05000353/2005001)

Dear Mr. Crane:

On February 7, 2005, the NRC staff completed its end-of-cycle plant performance assessment of Limerick Generating Station (Limerick). The end-of-cycle review for Limerick involved the participation of the reactor technical divisions in evaluating performance indicators (PIs) for the most recent quarter and inspection results for the period from January 1 through December 31, 2004. 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 so that you will have an opportunity to prepare for these inspections and to inform us of any planned inspections that may conflict with your plant activities.

This performance review and enclosed inspection plan do not include physical protection information. A separate letter designated and marked as "Exempt from Public Disclosure in accordance with 10 CFR 2.390" will include the physical protection review and resultant inspection plan.

Overall, Limerick 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 only reactor oversight process (ROP) baseline inspections at your facility through September 30, 2006.

The enclosed inspection plan details the inspections, less those related to physical protection, scheduled through September 30, 2006. The inspection plan is provided to minimize the resource impact on your staff and to allow for scheduling conflicts and personnel availability to be resolved 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 meeting.

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->

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[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 610 337-5209 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

**/RA/**

Mohamed M. Shanbaky, Ph.D., Chief  
Reactor Projects Branch 4  
Division of Reactor Projects

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

Enclosure: Limerick Inspection/ Activity Plan

cc w/encl:

Chief Operating Officer, Exelon Generation Company, LLC  
Site Vice President - Limerick Generating Station  
Plant Manager, Limerick Generating Station  
Regulatory Assurance Manager - Limerick  
Senior Vice President - Nuclear Services  
Vice President - Mid-Atlantic Operations  
Vice President - Operations Support  
Vice President - Licensing and Regulatory Affairs  
Director - Licensing and Regulatory Affairs, Exelon Generation Company, LLC  
Manager, Licensing - Limerick Generating Station  
Vice President, General Counsel and Secretary  
Associate General Counsel, Exelon Generation Company  
Correspondence Control Desk  
J. Johnsrud, National Energy Committee  
Chairman, Board of Supervisors of Limerick Township  
R. Janati, Chief, Division of Nuclear Safety, Pennsylvania Bureau of Radiation Protection  
J. Bradley Fewell, Assistant General Counsel, Exelon Nuclear  
D. Allard, Director, Department of Environmental Protection, Bureau of Radiation Protection (SLO)

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**SISP Review Complete: mms (Reviewer's Initials)**

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**Limerick**  
**Inspection / Activity Plan**  
**03/01/2005 - 09/30/2006**

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	Planned Dates End	Inspection Type
	<b>7111108G - INSERVICE INSPECTION - U2</b>		<b>1</b>			
2	IP 7111108G	Inservice Inspection Activities - BWR		03/07/2005	03/11/2005	Baseline Inspections
	<b>7112102 - OCC RAD SAFETY - ALARA</b>		<b>1</b>			
2	IP 7112102	ALARA Planning and Controls		03/14/2005	03/18/2005	Baseline Inspections
	<b>6/13 EXM - LM/PB (LSRO) L.O. INITIAL EXAM</b>		<b>2</b>			
1	U01541	LIMERICK/PEACH BOTTOM LSRO INITIAL EXAM (6/5 -10/05)		05/16/2005	05/20/2005	Not Applicable
1	U01541	LIMERICK/PEACH BOTTOM LSRO INITIAL EXAM (6/5 -10/05)		06/13/2005	06/24/2005	Not Applicable
	<b>7111111B - LO REQUAL PROGRAM INSPECTION</b>		<b>3</b>			
1,2	IP 7111111B	Licensed Operator Requalification Program		08/21/2005	08/26/2005	Baseline Inspections
1,2	IP 7111111B	Licensed Operator Requalification Program		08/29/2005	09/02/2005	Baseline Inspections
	<b>71114 - EP PROGRAM INSPECTION</b>		<b>1</b>			
1,2	IP 7111402	Alert and Notification System Testing		08/01/2005	08/05/2005	Baseline Inspections
1,2	IP 7111403	Emergency Response Organization Augmentation Testing		08/01/2005	08/05/2005	Baseline Inspections
1,2	IP 7111404	Emergency Action Level and Emergency Plan Changes		08/01/2005	08/05/2005	Baseline Inspections
1,2	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies		08/01/2005	08/05/2005	Baseline Inspections
	<b>7111121 - SSDI</b>		<b>6</b>			
1,2	IP 7111121	Safety System Design and Performance Capability		10/17/2005	10/21/2005	Baseline Inspections
1,2	IP 7111121	Safety System Design and Performance Capability		10/31/2005	11/04/2005	Baseline Inspections
	<b>7111401 - EXERCISE EVALUATION &amp; EP PI VERIFICATION</b>		<b>2</b>			
1,2	IP 7111401	Exercise Evaluation		11/14/2005	11/18/2005	Baseline Inspections
1,2	IP 71151	Performance Indicator Verification		11/14/2005	11/18/2005	Baseline Inspections
	<b>7112201 - PUB RAD SAFETY - RETS</b>		<b>1</b>			
1,2	IP 7112201	Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems		11/14/2005	11/18/2005	Baseline Inspections
	<b>7112101 - OCC RAD SAFETY</b>		<b>1</b>			
1,2	IP 7112101	Access Control to Radiologically Significant Areas		01/03/2006	01/06/2006	Baseline Inspections
	<b>7112102 - OCC RAD SAFETY - ALARA</b>		<b>1</b>			
1	IP 7112102	ALARA Planning and Controls		02/27/2006	03/03/2006	Baseline Inspections
	<b>7111108G - INSERVICE INSPECTION - UNIT 1</b>		<b>1</b>			
1	IP 7111108G	Inservice Inspection Activities - BWR		03/13/2006	03/17/2006	Baseline Inspections
	<b>7/31 EXM - OPERATOR LICENSE INITIAL EXAMS</b>		<b>3</b>			
1	U01601	LIMERICK UNIT 1 & 2 INITIAL EXAM (10/07)		07/03/2006	07/07/2006	Not Applicable
1	U01601	LIMERICK UNIT 1 & 2 INITIAL EXAM (10/07)		07/31/2006	08/11/2006	Not Applicable
	<b>71152B - PI&amp;R</b>		<b>4</b>			
1,2	IP 71152B	Identification and Resolution of Problems		06/05/2006	06/09/2006	Baseline Inspections
1,2	IP 71152B	Identification and Resolution of Problems		06/19/2006	06/23/2006	Baseline Inspections

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

**Limerick**  
**Inspection / Activity Plan**  
**03/01/2005 - 09/30/2006**

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	Planned Dates End	Inspection Type
	<b>7112202</b>	<b>- PUB RAD SAFETY - RADWASTE</b>	<b>1</b>			
1,2	IP 7112202	Radioactive Material Processing and Transportation		07/10/2006	07/14/2006	Baseline Inspections
	<b>71151</b>	<b>- EP PI VERIFICATION</b>	<b>1</b>			
1,2	IP 71151	Performance Indicator Verification		08/07/2006	08/11/2006	Baseline Inspections
	<b>7111107B</b>	<b>- HEAT SINK</b>	<b>2</b>			
1,2	IP 7111107B	Heat Sink Performance		08/21/2006	08/25/2006	Baseline Inspections
	<b>7111112B</b>	<b>- MAINTENANCE RULE</b>	<b>1</b>			
1,2	IP 7111112B	Maintenance Effectiveness		09/18/2006	09/22/2006	Baseline Inspections