



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

August 31, 2007

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

**SUBJECT: MID-CYCLE PERFORMANCE REVIEW AND INSPECTION PLAN -
LIMERICK GENERATING STATION**

Dear Mr. Crane:

On August 15, 2007, the NRC staff completed its performance review of Limerick Generating Station for the first half of the calendar year 2007 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 2007 at Limerick Generating Station Units 1 and 2 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. We also plan on conducting an Independent Spent Fuel Storage Installation dry run inspection during June 2008.

The enclosed inspection plan details the inspections, less those related to physical protection, scheduled through December 31, 2008. 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).

The NRC is currently evaluating the scope and frequency of all the baseline inspection procedures. If the results of the evaluation, or any other circumstances, cause us to change the inspection plan, we will contact you to discuss the change 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
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
Director, Bureau of Radiation Protection, PA Department of Environmental Protection
J. Johnsrud, National Energy Committee, Sierra Club
Chairman, Board of Supervisors of Limerick Township
J. Bradley Fewell, Assistant General Counsel, Exelon Nuclear
Institute of Nuclear Power Operations (INPO)

C. Crane

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Enclosure: Limerick Inspection/ Activity Plan

Distribution w/encl: **(via E-mail)**
S. Collins, RA
M. Dapas, DRA
D. Lew, DRP
J. Clifford, DRP
P. Krohn, DRP
R. Fuhrmeister, DRP
R. Laufer, RI OEDO
H. Chernoff, NRR
P. Bamford, PM, NRR
S. Hansell, DRP - Sr Resident Inspector
C. Bickett, DRP - Resident Inspector

L. Pinkham - Resident OA
D. Screnci, PAO
N. Sheehan, PAO
DRS Director
DRS Deputy Director
DRS Branch Chiefs(6)
RidsNrrDirslpab@nrc.gov
ROPreports@nrc.gov
JWT1@NRC.GOV
Region I Docket Room (with concurrences)

SUNSI Review Complete: PGK (Reviewer's Initials)

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OFFICE	RI/DRP	N	RI/DRP		
NAME	TSetzer		PKrohn		
DATE	08/27/07		08/ 27 /07		

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Limerick
Inspection / Activity Plan
07/01/2007 - 12/31/2008

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	Planned Dates End	Inspection Type
	ISFSI	- ISFSI CONSTRUCTION INSPECTION	1			
1,2	IP 60855.1	Operation of an Independent Spent Fuel Storage Installation at Operating Plants		04/01/2007	09/30/2007	Other Routine
	TRI FIRE	- TRIENNIAL FIRE PROTECTION INSPECTION	4			
1,2	IP 7111105T	Fire Protection [Triennial]		07/16/2007	07/20/2007	Baseline Inspections
1,2	IP 7111105T	Fire Protection [Triennial]		07/30/2007	08/03/2007	Baseline Inspections
	7111401	- EP EXERCISE & PI VERIFICATION	8			
1,2	IP 7111401	Exercise Evaluation		08/06/2007	08/10/2007	Baseline Inspections
	7111111B	- LOR INSP + P/F REVIEW	3			
1,2	IP 7111111B	Licensed Operator Requalification Program		10/22/2007	10/26/2007	Baseline Inspections
1,2	IP 7111111B	Licensed Operator Requalification Program		10/29/2007	11/02/2007	Baseline Inspections
	7111111B	- LSRO REQUAL AN OPTEST @PB + P/F REVIEW	2			
1,2	IP 7111111B	Licensed Operator Requalification Program		11/01/2007	11/01/2007	Baseline Inspections
	01/07EXM	- INITIAL LSRO OPERATOR EXAM	3			
1	U01632	LIMERICK LSRO EXAM (FY08)		11/19/2007	11/23/2007	Not Applicable
1	U01632	LIMERICK LSRO EXAM (FY08)		01/07/2008	01/08/2008	Not Applicable
	7111121	- CDBI (COMPONENT DESIGN BASES INSPECTION)	7			
1,2	IP 7111121	Component Design Bases Inspection		10/01/2007	10/05/2007	Baseline Inspections
1,2	IP 7111121	Component Design Bases Inspection		10/15/2007	10/19/2007	Baseline Inspections
1,2	IP 7111121	Component Design Bases Inspection		10/29/2007	11/02/2007	Baseline Inspections
1,2	IP 7111121	Component Design Bases Inspection		11/05/2007	11/09/2007	Baseline Inspections
	7112203	- PUB RAD SAFETY - REMP	1			
1,2	IP 7112203	Radiological Environmental Monitoring Program (REMP) And Radioactive Material Control P		11/12/2007	11/16/2007	Baseline Inspections
	7112201	- PUB RAD SAFETY - RETS	1			
1,2	IP 7112201	Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems		11/26/2007	11/30/2007	Baseline Inspections
	7112101	- OCC RAD SAFETY - ACCESS	1			
1,2	IP 7112101	Access Control to Radiologically Significant Areas		01/07/2008	01/11/2008	Baseline Inspections
	7111108G	- U1 INSERVICE INSPECTION	1			
1	IP 7111108G	Inservice Inspection Activities - BWR		03/10/2008	03/14/2008	Baseline Inspections
	7112102	- OCC RAD SAFETY - ALARA	1			
1,2	IP 7112102	ALARA Planning and Controls		03/10/2008	03/14/2008	Baseline Inspections
	7111111B	- LSRO REQUAL INSPECTION	3			
1,2	IP 7111111B	Licensed Operator Requalification Program		06/05/2008	06/09/2008	Baseline Inspections
	7112202	- PUB RAD SAFETY - RADWASTE	1			
1,2	IP 7112202	Radioactive Material Processing and Transportation		06/02/2008	06/06/2008	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
07/01/2007 - 12/31/2008

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	Planned Dates End	Inspection Type
	ISFSI	- ISFSI DRY RUN INSPECTIONS	4			
1,2	IP 60854	Preoperational Testing Of An ISFSI		06/09/2008	06/27/2008	Other Routine
1,2	IP 60856	Review of 10 CFR 72.212(b) Evaluations		06/09/2008	06/27/2008	Other Routine
	10/20EXM	- INITIAL OPERATOR LICENSING EXAMS	4			
1	U01745	FY09 - LIMERICK INITIAL OPERATOR LICENSING EXAM		09/22/2008	09/26/2008	Not Applicable
1	U01745	FY09 - LIMERICK INITIAL OPERATOR LICENSING EXAM		10/20/2008	10/31/2008	Not Applicable
	7112103	- OCC RAD SAFETY - INSTRUMENTS	1			
1,2	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		08/04/2008	08/08/2008	Baseline Inspections
	7111107B	- HEAT SINK INSP	1			
1,2	IP 7111107B	Heat Sink Performance		08/18/2008	08/22/2008	Baseline Inspections
	EP	- EP PROGRAM INSPECTION	1			
1,2	IP 7111402	Alert and Notification System Testing		08/25/2008	08/29/2008	Baseline Inspections
1,2	IP 7111403	Emergency Response Organization Augmentation Testing		08/25/2008	08/29/2008	Baseline Inspections
1,2	IP 7111404	Emergency Action Level and Emergency Plan Changes		08/25/2008	08/29/2008	Baseline Inspections
1,2	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies		08/25/2008	08/29/2008	Baseline Inspections
1,2	IP 71151-EP01	Drill/Exercise Performance		08/25/2008	08/29/2008	Baseline Inspections
1,2	IP 71151-EP02	ERO Drill Participation		08/25/2008	08/29/2008	Baseline Inspections
1,2	IP 71151-EP03	Alert & Notification System		08/25/2008	08/29/2008	Baseline Inspections
	71152B	- PI&R	4			
1,2	IP 71152B	Identification and Resolution of Problems		08/25/2008	08/29/2008	Baseline Inspections
1,2	IP 71152B	Identification and Resolution of Problems		09/08/2008	09/12/2008	Baseline Inspections
	MODS	- MODS AND 50.59	3			
1,2	IP 7111102	Evaluation of Changes, Tests, or Experiments		09/22/2008	09/26/2008	Baseline Inspections
1,2	IP 7111117B	Permanent Plant Modifications		09/22/2008	09/26/2008	Baseline Inspections