

March 4, 2003

Mr. John L. Skolds, President
Exelon Nuclear
Exelon Generation Company, LLC
Quad Cities Nuclear Power Station
4300 Winfield Road
Warrenville, IL 60555

SUBJECT: ANNUAL ASSESSMENT LETTER - QUAD CITIES NUCLEAR POWER STATION
(REPORT 50-254/03-01; 50-265/03-01)

Dear Mr. Skolds:

On February 11, 2003, the NRC staff completed its end-of-cycle plant performance assessment of the Quad Cities Nuclear Power Station. The end-of-cycle review involved the participation of all technical divisions in evaluating performance indicators (PIs) for the most recent quarter and inspection results for the period from January 1, 2002, through December 31, 2002. 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.

Overall, Quad Cities 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 baseline inspections at your facility through March 31, 2004.

Additionally, the staff has identified a substantive cross-cutting issue in the area of human performance involving a number of findings. Examples include the catastrophic failure of the 2B control rod drive pump due to improper setting of a constant level oiler, starting up Unit 2 with the reactor head vent isolation valves open, failure to recognize that the Unit 2 residual heat removal system was inoperable for several months, and inadvertent isolation of the Unit 1 reactor water cleanup system while being used for decay heat removal. Notably, most of the examples occurred during plant outage periods. We understand that you have made human performance a focus area for improvement at Quad Cities. We will continue to monitor human performance through the baseline program and will discuss this issue with you at our end-of-cycle meeting.

The enclosed inspection plan details the inspections scheduled through March 31, 2004. 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 6 months of the inspection plan are tentative and may be revised at the mid-cycle review meeting.

As you are aware, since the terrorist attacks on September 11, 2001, the NRC has issued several Orders and threat advisories to enhance security capabilities and improve guard force readiness. We have conducted inspections to review your implementation of these requirements and have monitored your actions in response to changing threat conditions. For calendar year 2003, we plan to continue these inspections, conduct portions of the security baseline inspection program, as well as perform additional inspections to evaluate your compliance with new requirements that may be ordered. Based on our final determinations in this regard, we will notify you of any inspection plan changes.

In accordance with 10 CFR 2.790 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 630/829-9703 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

/RA/

Mark A. Ring, Chief
Reactor Projects Branch 1
Division of Reactor Projects

Docket Nos. 50-254; 50-265
License Nos. DPR-29; DPR-30

Enclosure: Quad Cities Inspection/Activity Plan

See Attached Distribution

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Mark A. Ring, Chief
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cc w/encl: Site Vice President - Quad Cities Nuclear Power Station
Quad Cities Nuclear Power Station Plant Manager
Regulatory Assurance Manager - Quad Cities
Chief Operating Officer
Senior Vice President - Nuclear Services
Senior Vice President - Mid-West Regional
Operating Group
Vice President - Mid-West Operations Support
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D. Conard, Scott County Sheriff
R. Bergen, Coordinator, Emergency Management
The Honorable Rick Dettman
The Honorable Marj Dolan
D. Johnson, President, Village of Port Byron
J. Piatt, President, Village of Cordova
The Honorable Gary Kampe
The Honorable LaMetta Wynn
J. Kooistra, Clinton City Administrator
The Honorable Richard Meland
The Honorable Vernon Spring
E. N. Choate, LeClaire City Administrator
The Honorable James Darnell

The Honorable Al Moore
INPO

J. Skolds

-4-

ADAMS Distribution:

DFT

H. Nieh, OEDO

Project Director, NRR

Project Mgr., NRR

RidsNrrDipmlipb

J. Caldwell, RIII

G. Grant, RIII

B. Clayton, RIII

R. Lickus, RIII

SRI Quad Cities

DRPIII

DRSIII

PLB1

JRK1

Quad Cities
Inspection / Activity Plan
03/01/2003 - 03/31/2004

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates		Inspection Type
				Start	End	
	D/Q LR - LR SCOPING/SCREENING INSPECTION		1			
1, 2	IP 71002	License Renewal Inspection		07/28/2003	08/01/2003	Other Routine
	IP 71114 - NON-EXERCISE BASELINE EP INSPECTION		1			
1, 2	IP 7111402	Alert and Notification System Testing		03/03/2003	03/07/2003	Baseline Inspections
1, 2	IP 7111403	Emergency Response Organization Augmentation Testing		03/03/2003	03/07/2003	Baseline Inspections
1, 2	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies		03/03/2003	03/07/2003	Baseline Inspections
1, 2	IP 71151	Performance Indicator Verification		03/03/2003	03/07/2003	Baseline Inspections
	TI 148 - TI2515/148 SECURITY ICMS		4			
1, 2	IP 2515/148	Inspection of Nuclear Reactor Safeguards - Interim Compensatory Measures		05/19/2003	05/23/2003	Safety Issues
	7112203 - REMP		1			
1, 2	IP 7112101	Access Control to Radiologically Significant Areas		06/09/2003	06/13/2003	Baseline Inspections
1, 2	IP 7112102	ALARA Planning and Controls		06/09/2003	06/13/2003	Baseline Inspections
1, 2	IP 7112203	Radiological Environmental Monitoring Program		06/09/2003	06/13/2003	Baseline Inspections
	MR - MAINTENANCE RULE (DRS)		1			
1, 2	IP 711112B	Maintenance Effectiveness		07/14/2003	07/18/2003	Baseline Inspections
	MOD50.59 - MODIFICATIONS & 50.59		3			
1, 2	IP 7111102	Evaluation of Changes, Tests, or Experiments		07/07/2003	07/11/2003	Baseline Inspections
1, 2	IP 711117B	Permanent Plant Modifications		07/07/2003	07/11/2003	Baseline Inspections
	RENEWAL - LICENSE RENEWAL SCOPING		7			
1, 2	IP 71002	License Renewal Inspection		07/28/2003	08/01/2003	Other Routine
	7112103 - INSTRUMENTATION		1			
1, 2	IP 7112101	Access Control to Radiologically Significant Areas		08/11/2003	08/15/2003	Baseline Inspections
1, 2	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		08/11/2003	08/15/2003	Baseline Inspections
	RENEWAL - LICENSE RENEWAL INSPECTION PART 2		5			
1, 2	IP 71002	License Renewal Inspection		09/22/2003	10/10/2003	Other Routine
	FPI - TRIENNIAL FIRE PROTECTION		3			
1, 2	IP 7111105T	Fire Protection		10/06/2003	10/24/2003	Baseline Inspections
	71111.11 - LIC OPERATOR REQUAL PROGRAM EVALUATION		2			
1, 2	IP 711111B	Licensed Operator Requalification		10/27/2003	10/31/2003	Baseline Inspections
	HT SNK B - HEAT SINK BIENNIAL (DRS)		1			
1, 2	IP 7111107B	Heat Sink Performance		11/17/2003	11/21/2003	Baseline Inspections
	7112103 - NON OUTAGE ALARA		1			
1, 2	IP 7112101	Access Control to Radiologically Significant Areas		11/17/2003	11/21/2003	Baseline Inspections
1, 2	IP 7112102	ALARA Planning and Controls		11/17/2003	11/21/2003	Baseline Inspections

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

Quad Cities
Inspection / Activity Plan
03/01/2003 - 03/31/2004

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates		Inspection Type
				Start	End	
	7112103	- NON OUTAGE ALARA	1			
1, 2	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		11/17/2003	11/21/2003	Baseline Inspections
1, 2	IP 71151	Performance Indicator Verification		11/17/2003	11/21/2003	Baseline Inspections
	71111.20	- U2 REFUELING AND OUTAGE ACTIVITIES	2			
2	IP 7111120	Refueling and Outage Activities		02/01/2004	03/15/2004	Baseline Inspections
	ISI	- ISI FOR UNIT 2	1			
1, 2	IP 7111108G	Inservice Inspection Activities - BWR		03/01/2004	03/05/2004	Baseline Inspections
	7112202	- RAD WASTE TRANSPORTATION	2			
1, 2	IP 7112101	Access Control to Radiologically Significant Areas		03/08/2004	03/12/2004	Baseline Inspections
1, 2	IP 7112202	Radioactive Material Processing and Transportation		03/08/2004	03/12/2004	Baseline Inspections

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