



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**

REGION III
2443 WARRENVILLE ROAD, SUITE 210
LISLE, IL 60532-4352

March 4, 2009

Mr. Charles G. Pardee
Senior Vice President, Exelon Generation Company, LLC
President and Chief Nuclear Officer (CNO), Exelon Nuclear
4300 Winfield Road
Warrenville IL 60555

**SUBJECT: ANNUAL ASSESSMENT LETTER - QUAD CITIES NUCLEAR POWER
STATION, UNITS 1 AND 2 (05000254/2009001; 05000265/2009001)**

Dear Mr. Pardee:

On February 11, 2009, the NRC staff completed its performance review of Quad Cities Nuclear Power Station, Units 1 and 2. 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 Related Information" will include the security cornerstone review and resultant inspection plan.

Overall, Quad Cities Nuclear Power 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 security, scheduled through June 30, 2010. 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 scheduled include: triennial fire protection, and engineering modifications/50.59 inspections. The inspections in the last 9 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 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), 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
Branch 1
Division of Reactor Projects

Docket Nos. 50-254; 50-265; 72-053
License Nos. DPR-29; DPR-30

Enclosure: Quad Cities Inspection/Activity Plan

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See next page

Letter to C. Pardee from M. Ring dated March 4, 2009.

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cc w/encl: Site Vice President - Quad Cities Nuclear Power Station
Plant Manager - Quad Cities Nuclear Power Station
Manager Regulatory Assurance -
Quad Cities Nuclear Power Station
Senior Vice President - Midwest Operations
Senior Vice President - Operations Support
Vice President - Licensing and Regulatory Affairs
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Chairman, Illinois Commerce Commission
Chief Radiological Emergency Preparedness Section,
Dept. Of Homeland Security
Chairman, Rock Island County Board
Rock Island County Sheriff
Coordinator, Rock Island Emergency Services and Disaster
Chairman, Whiteside County Board
Whiteside County Sheriff
Coordinator, Whiteside County Emergency Services
Chairman, Board of Supervisors
Clinton County Sheriff
Coordinator, Clinton County Emergency Management
Scott County Administrator
Scott County Sheriff
Coordinator, Scott County Emergency Management
Mayor of Albany
Mayor of Rapids City
President, Village of Port Byron
President, Village of Cordova
Mayor of Camanche
Mayor of Clinton
Clinton City Administrator
Mayor of Low Moor
Mayor of LeClaire
LeClaire City Administrator
Mayor of Princeton
Mayor of McCausland
G. Mortensen, INPO

Quad Cities
Inspection / Activity Plan
03/01/2009 - 06/30/2010

Planned Dates		Inspection Activity	Title	No. of Staff on Site
Start	End			
		BI EP - EP ROUTINE INSPECTION / PI VERIFICATION		1
03/02/2009	03/06/2009	IP 2515/175	Emergency Response Organization, Drill/Exercise Performance Indicator, Program Review	
03/02/2009	03/06/2009	IP 7111402	Alert and Notification System Testing	
03/02/2009	03/06/2009	IP 7111403	Emergency Response Organization Augmentation Testing	
03/02/2009	03/06/2009	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies	
03/02/2009	03/06/2009	IP 71151-EP01	Drill/Exercise Performance	
03/02/2009	03/06/2009	IP 71151-EP02	ERO Drill Participation	
03/02/2009	03/06/2009	IP 71151-EP03	Alert & Notification System	
		BI RP - RADIATION PROTECTION BASELINE INSPECTION		1
03/09/2009	03/13/2009	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment	
		BI ENG - ENGINEERING INSERVICE INSPECTION		1
05/11/2009	05/15/2009	IP 7111108G	Inservice Inspection Activities - BWR	
		BI RP - RADIATION PROTECTION BASELINE INSPECTION		1
05/13/2009	05/22/2009	IP 7112101	Access Control to Radiologically Significant Areas	
05/13/2009	05/22/2009	IP 7112102	ALARA Planning and Controls	
05/13/2009	05/22/2009	IP 71151-OR01	Occupational Exposure Control Effectiveness	
		BI ENG - TRIENNIAL FIRE PROTECTION INSPECTION		3
07/20/2009	08/07/2009	IP 7111105T	Fire Protection [Triennial]	
		ISFSI - ISFSI - ROUTINE LOADING		1
07/01/2009	09/30/2009	IP 60855.1	Operation of an Independent Spent Fuel Storage Installation at Operating Plants	
		BI ENG - TRIENNIAL FIRE INS. INFO GATHERING TRIP		3
07/06/2009	07/10/2009	IP 7111105T	Fire Protection [Triennial]	
		BI RP - RADIATION PROTECTION BASELINE INSPECTION		1
09/14/2009	09/18/2009	IP 7112202	Radioactive Material Processing and Transportation	
09/14/2009	09/18/2009	IP 71151-BI01	Reactor Coolant System Activity	
		BI OL - LIC. OPERATOR REQUAL. PROGRAM EVALUATION		2
10/26/2009	10/30/2009	IP 7111111B	Licensed Operator Requalification Program	
		OL PREP - QUAD CITIES INITIAL PREP - 10/2009		3
10/26/2009	10/30/2009	W90200	OL - INITIAL EXAM - NOV/DEC 2009 - QUAD	
		OL EXAM - QUAD CITIES INIT EXAM - 11/2009		3
11/30/2009	12/11/2009	W90200	OL - INITIAL EXAM - NOV/DEC 2009 - QUAD	
		BI RP - RADIATION PROTECTION BASELINE INSPECTION		1
12/14/2009	12/18/2009	IP 2515/173	Review of the Implementation of the Industry Ground Water Protection Voluntary Initiative	
12/14/2009	12/18/2009	IP 7112101	Access Control to Radiologically Significant Areas	
12/14/2009	12/18/2009	IP 71151-PR01	RETS/ODCM Radiological Effluent	

**Quad Cities
Inspection / Activity Plan
03/01/2009 - 06/30/2010**

Planned Dates		Inspection Activity	Title	No. of Staff on Site
Start	End			
		BI ENG - ENGINEERING INSERVICE INSPECTION		1
03/15/2010	04/02/2010	IP 7111108G	Inservice Inspection Activities - BWR	
		BI RP - RADIATION PROTECTION BASELINE INSPECTION		1
03/29/2010	04/02/2010	IP 7112102	ALARA Planning and Controls	
03/29/2010	04/02/2010	IP 71151-OR01	Occupational Exposure Control Effectiveness	
		BI ENG - ENGINEERING MODIFICATIONS / 50.59		3
04/19/2010	05/07/2010	IP 7111117T	Evaluations of Changes, Tests, or Experiments and Permanent Plant Modifications	
		BIENG - HEAD DROP ANALYSES		1
05/10/2010	05/28/2010	IP 7111120	Refueling and Other Outage Activities	
		BI RP - RADIATION PROTECTION BASELINE INSPECTION		1
06/07/2010	06/11/2010	IP 7112203	Radiological Environmental Monitoring Program (REMP) And Radioactive Material Control Program	
06/07/2010	06/11/2010	IP 71151-BI01	Reactor Coolant System Activity	

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

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