



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**

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

March 4, 2013

Mr. Michael Pacilio
Senior Vice President, Exelon Generation Company, LLC
President and Chief Nuclear Officer, Exelon Nuclear
4300 Winfield Road
Warrenville, IL 60555

**SUBJECT: ANNUAL ASSESSMENT LETTER FOR QUAD CITIES NUCLEAR POWER
STATION, UNITS 1 AND 2 (REPORTS 05000254/2012001 AND
05000265/2012001)**

Dear Mr. Pacilio:

On February 13, 2013, the Nuclear Regulatory Commission (NRC) completed its end-of-cycle performance review of Quad Cities Nuclear Power Station, Units 1 and 2. The NRC reviewed the most recent quarterly performance indicators (PIs) in addition to inspection results and enforcement actions from January 1, 2012, through December 31, 2012. This letter informs you of the NRC's assessment of your facility during this period and its plans for future inspections at your facility.

The NRC determined that overall, Quad Cities, Units 1 and 2, operated in a manner that preserved public health and safety and met all cornerstone objectives. The NRC determined the performance at Quad Cities, Units 1 and 2, during the most recent quarter was within the Licensee Response Column of the NRC's Reactor Oversight Process (ROP) Action Matrix because all inspection findings had very low (i.e., green) safety significance, and all PIs indicated that your performance was within the nominal, expected range (i.e., green). Therefore, the NRC plans to conduct ROP baseline inspections at your facility.

The enclosed inspection plan lists the inspections scheduled through December 31, 2014. The NRC also plans on performing Temporary Instruction (TI) 2515/182, "Review of the implementation of the Industry Initiative to Control Degradation of Underground Piping," at your facility. Routine inspections performed by resident inspectors are not included in the inspection plan. The inspections listed during the last twelve months of the inspection plan are tentative and may be revised at the mid-cycle performance review. The NRC provides the inspection plan to allow for the resolution of any scheduling conflicts and personnel availability issues. The NRC will contact you as soon as possible to discuss changes to the inspection plan should circumstances warrant any changes. This inspection plan does not include security related inspections, which will be sent via separate, non-publicly available correspondence.

M. Pacilio

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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 System (PARS) component of NRC's Agencywide Documents Access and Management System (ADAMS), accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

Please contact me at (630) 829-9753 with any questions you may have regarding this letter.

Sincerely,

/RA/

Robert J. Orlikowski, Acting Chief
Branch 1
Division of Reactor Projects

Docket No. 50-254, 50-265
License No. DPR-29, DPR-30

Enclosure: Quad Cities Nuclear Power Station Inspection/Activity Plan

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M. Pacilio

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Enclosure: Quad Cities Nuclear Power Station Inspection/Activity Plan

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Quad Cities
Inspection / Activity Plan
03/01/2013 - 12/31/2014

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			BI MODS - TRIENNIAL PERM MODS/50.59		3
1	04/22/2013	05/17/2013	IP 7111117T	Evaluations of Changes, Tests, or Experiments and Permanent Plant Modifications	
			ISI INSP - ISI BASELINE		1
1	03/11/2013	03/29/2013	IP 7111108G	Inservice Inspection Activities - BWR	
			BI RP - RADIATION PROTECTION BASELINE INSPECTION		1
1	03/18/2013	03/22/2013	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1	03/18/2013	03/22/2013	IP 71124.02	Occupational ALARA Planning and Controls	
			INSP - OP EXP SS FY2007-03 CRANE AND HEAVY LIFT		1
1, 2	05/06/2013	05/24/2013	IP 7111120	Refueling and Other Outage Activities	
			ISFSI - ISFSI INSPECTION - SCHEDULE DEPENDENT		2
1	06/01/2013	08/31/2013	IP 60855.1	Operation of an Independent Spent Fuel Storage Installation at Operating Plants	
			BI RP - RADIATION PROTECTION BASELINE INSPECTION		1
1	06/03/2013	06/07/2013	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
			TI INSP - TI 182 BURIED PIPE PHASE 2		1
1	08/26/2013	08/30/2013	IP 7111108G	Inservice Inspection Activities - BWR	
			STRIKE - STRIKE CONTINGENCY-OPS/RP/MAINT		3
1, 2	09/30/2013	10/29/2013	IP 92709	Licensee Strike Contingency Plans	
			BI RP - RADIATION PROTECTION BASELINE INSPECTION		1
1	09/16/2013	09/20/2013	IP 71124.02	Occupational ALARA Planning and Controls	
1	09/16/2013	09/20/2013	IP 71151-BI01	Reactor Coolant System Activity	
1	09/16/2013	09/20/2013	IP 71151-OR01	Occupational Exposure Control Effectiveness	
1	09/16/2013	09/20/2013	IP 71151-PR01	RETS/ODCM Radiological Effluent	
			BI EPR - EP ROUTINE INSPECTION / PI VERIFICATION		2
1	10/21/2013	10/25/2013	IP 7111402	Alert and Notification System Testing	
1	10/21/2013	10/25/2013	IP 7111403	Emergency Preparedness Organization Staffing and Augmentation System	
1	10/21/2013	10/25/2013	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies	
1	10/21/2013	10/25/2013	IP 71151	Performance Indicator Verification	
			BI OLRQ - BIENNIAL REQUAL PROGRAM INSPECTION		2
1	10/07/2013	10/11/2013	IP 7111111B	Licensed Operator Requalification Program	
			BI RP - RADIATION PROTECTION BASELINE INSPECTION		1
1	10/21/2013	10/25/2013	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	
1	10/21/2013	10/25/2013	IP 71124.07	Radiological Environmental Monitoring Program	

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

Quad Cities
Inspection / Activity Plan
03/01/2013 - 12/31/2014

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			BI RP - RADIATION PROTECTION BASELINE INSPECTION		1
1, 2	10/21/2013	10/25/2013	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1, 2	10/21/2013	10/25/2013	IP 71124.04	Occupational Dose Assessment	
1, 2	10/21/2013	10/25/2013	IP 71151-BI01	Reactor Coolant System Activity	
1, 2	10/21/2013	10/25/2013	IP 71151-OR01	Occupational Exposure Control Effectiveness	
1, 2	10/21/2013	10/25/2013	IP 71151-PR01	RETS/ODCM Radiological Effluent	
			BI ENG - COMPONENT DESIGN BASIS INSPECTION		6
1, 2	01/13/2014	02/14/2014	IP 7111121	Component Design Bases Inspection	
			OL PREP - INITIAL EXAM - 04/2014		3
1	03/31/2014	04/04/2014	W90292	OL - INITIAL EXAM - 2014 MARCH/APRIL - QUAD	
			ISI INSP - ISI BASELINE		1
1	04/07/2014	04/26/2014	IP 7111108G	Inservice Inspection Activities - BWR	
			BI RP - RADIATION PROTECTION BASELINE INSPECTION		1
1, 2	04/14/2014	04/18/2014	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
			OL EXAM - INIT EXAM FOR QUAD CITIES - APRIL 2014		3
1	04/21/2014	05/02/2014	W90292	OL - INITIAL EXAM - 2014 MARCH/APRIL - QUAD	
			BI EPX - EP EXERCISE INSPECTION/PI VERIFICATION		2
1	08/25/2014	08/29/2014	IP 71151	Performance Indicator Verification	
			BI RP - RADIATION PROTECTION BASELINE INSPECTION		1
1	06/09/2014	06/13/2014	IP 71124.06-EP Drill		
			ISFSI - ISFSI INSPECTION - SCHEDULE DEPENDENT		2
1	07/01/2014	07/31/2014	IP 60855.1	Operation of an Independent Spent Fuel Storage Installation at Operating Plants	
			BI RP - RADIATION PROTECTION BASELINE INSPECTION		1
1	08/04/2014	08/08/2014	IP 71124.05	Radiation Monitoring Instrumentation	
			PI&R - BIENNIAL PI&R INSPECTION		1
1	09/08/2014	09/26/2014	IP 71152B	Problem Identification and Resolution	
			BI RP - RADIATION PROTECTION BASELINE INSPECTION		1
1	10/20/2014	10/24/2014	IP 71124.07	Radiological Environmental Monitoring Program	
1	10/20/2014	10/24/2014	IP 71151-BI01	Reactor Coolant System Activity	
1	10/20/2014	10/24/2014	IP 71151-OR01	Occupational Exposure Control Effectiveness	
1	10/20/2014	10/24/2014	IP 71151-PR01	RETS/ODCM Radiological Effluent	

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