



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**

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

September 4, 2012

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

**SUBJECT: MID-CYCLE ASSESSMENT LETTER - QUAD CITIES NUCLEAR
POWER STATION, UNITS 1 AND 2**

Dear Mr. Pacilio:

On August 8, 2012, the NRC completed its mid-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 July 1, 2011 through June 30, 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 assessment reflects the integration of the Security Cornerstone into Inspection Manual Chapter 0305, "Operating Reactor Assessment Program."

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, 2013. Inspections planned include Inspection Procedure (IP) 71003, "Post-Approval Site Inspection for License Renewal." Also planned are Post-Fukushima Temporary Instructions (TI) 2515/187, "Inspection of Near-Term Task Force Recommendation 2.3 Flooding Walkdowns," and TI 2515/188, "Inspection of Near-Term Task Force Recommendation 2.3 Seismic Walkdowns." Routine inspections performed by resident inspectors are not included in the inspection plan. The inspections listed during the last nine months of the inspection plan are tentative and may be revised at the end-of-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 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) 829-9703 with any questions you have regarding this letter.

Sincerely,

/RA/

Mark Ring, Chief
Branch 1
Division of Reactor Projects

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

Enclosure: Inspection Plan

cc w/encl: Distribution via ListServ

M. Pacilio

-2-

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Letter to M. Pacilio from M. Ring dated September 4, 2012

SUBJECT: MID-CYCLE ASSESSMENT LETTER - QUAD CITIES NUCLEAR
POWER STATION, UNITS 1 AND 2

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Quad Cities
Inspection / Activity Plan
09/01/2012 - 12/31/2013

Planned Dates		Inspection Activity	Title	No. of Staff on Site
Start	End			
		TI-187 - TI-187 FLOODING WALKDOWN		2
07/01/2012	12/30/2012	IP 2515/187	Inspection of Near-Term Task Force Recommendation 2.3 Flooding Walkdowns	
		TI-188 - TI-188 SEISMIC WALKDOWN		2
07/02/2012	12/31/2012	IP 2515/187	Inspection of Near-Term Task Force Recommendation 2.3 Flooding Walkdowns	
		BI HS - TRIENNIAL HEAT SINK INSPECTION		2
09/17/2012	09/21/2012	IP 7111107T	Heat Sink Performance	
		BI RP - RADIATION PROTECTION BASELINE INSPECTION		1
09/24/2012	09/28/2012	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
09/24/2012	09/28/2012	IP 71124.04	Occupational Dose Assessment	
09/24/2012	09/28/2012	IP 71151-BI01	Reactor Coolant System Activity	
09/24/2012	09/28/2012	IP 71151-OR01	Occupational Exposure Control Effectiveness	
09/24/2012	09/28/2012	IP 71151-PR01	RETS/ODCM Radiological Effluent	
		BI OLRQ - REQUALIFICATION PROGRAM INSPECTION		1
10/15/2012	10/19/2012	IP 7111111A	Licensed Operator Requalification Program - Annual Review	
		BI RP - RADIATION PROTECTION BASELINE INSPECTION		1
10/15/2012	10/19/2012	IP 71124.02	Occupational ALARA Planning and Controls	
10/15/2012	10/19/2012	IP 71124.05	Radiation Monitoring Instrumentation	
		RENEWAL - LICENSE RENEWAL INSPECTION 71003 PHASE 2		7
10/22/2012	11/09/2012	IP 71003	Post-Approval Site Inspection for License Renewal	
		BI EPX - EP EXERCISE INSPECTION / PI VERIFICATION		2
12/03/2012	12/07/2012	IP 7111401	Exercise Evaluation	
12/03/2012	12/07/2012	IP 71151	Performance Indicator Verification	
		TI INSP - TI 182 BURIED PIPE PHASE 2		1
01/14/2013	01/18/2013	IP 7111108G	Inservice Inspection Activities - BWR	
		BI MODS - TRIENNIAL PERM MODS/50.59		1
04/29/2013	05/17/2013	IP 7111117T	Evaluations of Changes, Tests, or Experiments and Permanent Plant Modifications	
		ISI INSP - ISI BASELINE		1
03/11/2013	03/29/2013	IP 7111108G	Inservice Inspection Activities - BWR	
		BI RP - RADIATION PROTECTION BASELINE INSPECTION		1
03/18/2013	03/22/2013	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
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
05/06/2013	05/24/2013	IP 7111120	Refueling and Other Outage Activities	

Quad Cities
Inspection / Activity Plan
09/01/2012 - 12/31/2013

Planned Dates		Inspection Activity	Title	No. of Staff on Site
Start	End			
		ISFSI - ISFSI INSPECTION - SCHEDULE DEPENDENT		2
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
06/03/2013	06/07/2013	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
		BI RP - RADIATION PROTECTION BASELINE INSPECTION		1
09/16/2013	09/20/2013	IP 71124.02	Occupational ALARA Planning and Controls	
09/16/2013	09/20/2013	IP 71151-BI01	Reactor Coolant System Activity	
09/16/2013	09/20/2013	IP 71151-OR01	Occupational Exposure Control Effectiveness	
09/16/2013	09/20/2013	IP 71151-PR01	RETS/ODCM Radiological Effluent	
		BI EPR - EP ROUTINE INSPECTION / PI VERIFICATION		2
10/21/2013	10/25/2013	IP 7111402	Alert and Notification System Testing	
10/21/2013	10/25/2013	IP 7111403	Emergency Preparedness Organization Staffing and Augmentation System	
10/21/2013	10/25/2013	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies	
10/21/2013	10/25/2013	IP 71151	Performance Indicator Verification	
		BI OLRQ - BIENNIAL REQUAL PROGRAM INSPECTION		2
10/07/2013	10/11/2013	IP 7111111B	Licensed Operator Requalification Program	
		BI RP - RADIATION PROTECTION BASELINE INSPECTION		1
10/21/2013	10/25/2013	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	
10/21/2013	10/25/2013	IP 71124.07	Radiological Environmental Monitoring Program	
		BI RP - RADIATION PROTECTION BASELINE INSPECTION		1
10/21/2013	10/25/2013	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
10/21/2013	10/25/2013	IP 71124.04	Occupational Dose Assessment	
10/21/2013	10/25/2013	IP 71151-BI01	Reactor Coolant System Activity	
10/21/2013	10/25/2013	IP 71151-OR01	Occupational Exposure Control Effectiveness	
10/21/2013	10/25/2013	IP 71151-PR01	RETS/ODCM Radiological Effluent	
		OL PREP - QUAD CITIES INIT PREP 12/2013		3
12/16/2013	12/20/2013	W90292	OL - INITIAL EXAM - 2014 MARCH/APRIL - QUAD	