



**UNITED STATES  
NUCLEAR REGULATORY COMMISSION**  
REGION III  
2443 WARRENVILLE ROAD, SUITE 210  
LISLE, IL 60532-4352

September 3, 2013

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

**SUBJECT: MID-CYCLE ASSESSMENT LETTER FOR  
DRESDEN NUCLEAR POWER STATION, UNITS 2 AND 3  
(REPORT 05000237/2013006 AND 05000249/2013006)**

Dear Mr. Pacilio:

On August 14, 2013, the U.S. Nuclear Regulatory Commission (NRC) completed its mid-cycle performance review of Dresden Nuclear Power Station, Units 2 and 3. The NRC reviewed the most recent quarterly performance indicators (PIs) in addition to inspection results and enforcement actions from July 1, 2012 through June 30, 2013. 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 the performance at Dresden Nuclear Power Station, Units 2 and 3, during the most recent quarter, ending June 30, 2013, was within the Licensee Response Column of the NRC's Reactor Oversight Process (ROP) Action Matrix. In our letter dated July 31, 2013, "Final Significance Determination of a White Finding with Assessment Follow-Up" (ML13213A073) the NRC informed you of the final significance determination of one low-to-moderate safety significant (i.e. White) finding (with corresponding violation) in the Mitigating Systems Cornerstone. This White finding was associated with a deficiency in your external flood response procedure in addressing makeup to the reactor vessel during a potential flooding event and was identified in the first quarter of 2013. The letter also informed you that as a result of the White finding, applicable to both Units 2 and 3, in the Mitigating Systems Cornerstone in the first quarter of 2013, that Units 2 and 3 were assessed as being in the Regulatory Response Column (Column II) of NRC's Action Matrix, effective the first quarter of 2013.

The enclosed inspection plan lists the inspections scheduled through December 31, 2014. 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.

Additionally, once you have notified us that you are ready, we will conduct a supplemental inspection using Inspection Procedure 95001, "Inspection for One or Two White Inputs in Strategic Performance Area." This inspection procedure is conducted to provide assurance that the root cause and contributing causes of risk significant performance issues are understood, the extent of condition and the extent of cause are identified, and the corrective actions are sufficient to prevent recurrence.

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 Agencywide Document Access and Management Systems (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

Please contact Ms. Patricia Pelke, Branch 6 Acting Chief, Division of Reactor Projects, at 630-829-9868 with any questions you have regarding this letter or the inspection plan.

Sincerely,

*/RA/*

Kenneth G. O'Brien, Acting Director  
Division of Reactor Projects

Docket Nos. 50-237; 50-249  
License Nos. DPR-19; DPR-25

Enclosure: Dresden Nuclear Plant  
Inspection/Action Plan

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Kenneth G. O'Brien, Acting Director  
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NAME	JRutowski:mvt		PPelke		KO'Brien			
DATE	08/23/13		08/23/13		08/28/13			

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Letter to M. Pacilio from K.O'Brien dated September 3, 2013

SUBJECT: MID-CYCLE ASSESSMENT LETTER FOR  
DRESDEN NUCLEAR POWER STATION, UNITS 2 AND 3  
(REPORT 05000237/2013006 AND 05000249/2013006)

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**Dresden**  
**Inspection / Activity Plan**  
**09/01/2013 - 12/31/2014**

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			<b>OL PREP - DRESDEN INIT PREP 09/2013</b>		<b>3</b>
2	09/30/2013	10/04/2013	W90285	OL - INITIAL EXAM - 2013 SEPT-OCT - DRESDEN	
			<b>OL EXAM - DRESDEN INIT EXAM 10/2013</b>		<b>3</b>
2	10/21/2013	10/25/2013	W90285	OL - INITIAL EXAM - 2013 SEPT-OCT - DRESDEN	
			<b>BI ISI - INSERVICE INSPECTION UNIT 2</b>		<b>1</b>
2	11/04/2013	11/15/2013	IP 7111108G	Inservice Inspection Activities - BWR	
			<b>STK PLAN - STRIKE CONTIGENCY - OPS, MNT, RP</b>		<b>1</b>
2, 3	11/30/2013	12/31/2013	IP 92709	Licensee Strike Contingency Plans	
			<b>BI RP - RADIATION PROTECTION BASELINE INSPECTION</b>		<b>1</b>
2	11/18/2013	11/22/2013	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
2	11/18/2013	11/22/2013	IP 71124.02	Occupational ALARA Planning and Controls	
			<b>BI RP - RADIATION INSPECTION</b>		<b>1</b>
2	01/13/2014	01/17/2014	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
2, 3	01/13/2014	01/17/2014	IP 71124.04	Occupational Dose Assessment	
2	01/13/2014	01/17/2014	IP 71151-BI01	Reactor Coolant System Activity	
			<b>PI&amp;R - B - BIENNIAL PI&amp;R</b>		<b>5</b>
2, 3	02/24/2014	03/15/2014	IP 71152B	Problem Identification and Resolution	
			<b>ISFSI - ISFISI INSPECTION</b>		<b>2</b>
2	02/01/2014	05/31/2014	IP 60855.1	Operation of an Independent Spent Fuel Storage Installation at Operating Plants	
			<b>BI RP - RADIATION INSPECTION</b>		<b>1</b>
2	04/21/2014	04/25/2014	IP 71124.05	Radiation Monitoring Instrumentation	
2	04/21/2014	04/25/2014	IP 71151-OR01	Occupational Exposure Control Effectiveness	
			<b>FIRE - FIRE PROTECTION INSPECTION AND BAG TRIP</b>		<b>3</b>
2, 3	04/21/2014	05/23/2014	IP 7111105T	Fire Protection [Triennial]	
			<b>BI OLRQ - BIENNIAL REQUAL PROGRAM INSPECTION</b>		<b>2</b>
2, 3	05/12/2014	05/16/2014	IP 7111111B	Licensed Operator Requalification Program	
			<b>BI RP - RADIATION PROTECTION BASELINE INSPECTION</b>		<b>1</b>
2	05/19/2014	05/23/2014	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
2	05/19/2014	05/23/2014	IP 71124.02	Occupational ALARA Planning and Controls	
2	05/19/2014	05/23/2014	IP 71151-PR01	RETS/ODCM Radiological Effluent	
			<b>BI EPR - EP ROUTINE INSPECTION / PI VERIFICATION</b>		<b>2</b>
2	08/04/2014	08/08/2014	IP 7111402	Alert and Notification System Testing	
2	08/04/2014	08/08/2014	IP 7111403	Emergency Preparedness Organization Staffing and Augmentation System	

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

**Dresden**  
**Inspection / Activity Plan**  
**09/01/2013 - 12/31/2014**

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			<b>BI EPR - EP ROUTINE INSPECTION / PI VERIFICATION</b>		<b>2</b>
2	08/04/2014	08/08/2014	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies	
2	08/04/2014	08/08/2014	IP 71151	Performance Indicator Verification	
			<b>BI ISI - INSERVICE INSPECTION UNIT 3</b>		<b>1</b>
2	10/27/2014	11/15/2014	IP 7111108G	Inservice Inspection Activities - BWR	
			<b>BI RP - RADIATION INSPECTION</b>		<b>1</b>
2	11/03/2014	11/07/2014	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
2	11/03/2014	11/07/2014	IP 71124.02	Occupational ALARA Planning and Controls	
			<b>BI HS - TRIENNIAL HEAT SINK INSPECTION</b>		<b>2</b>
2, 3	12/01/2014	12/05/2014	IP 7111107T	Heat Sink Performance	

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