



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**

REGION I
2100 RENAISSANCE BLVD., SUITE 100
KING OF PRUSSIA, PA 19406-2713

September 2, 2014

Mr. Joseph E. Pacher
Site Vice President
R.E. Ginna Nuclear Power Plant
Exelon Generation Company, LLC
1503 Lake Road
Ontario, NY 14519

**SUBJECT: MID CYCLE ASSESSMENT LETTER FOR R.E. GINNA NUCLEAR POWER
PLANT (REPORT 05000244/2014006)**

Dear Mr. Pacher:

On August 13, 2014, the U.S. Nuclear Regulatory Commission (NRC) completed its mid-cycle performance review of your R.E. Ginna Nuclear Power Plant (Ginna). The NRC reviewed the most recent quarterly performance indicators in addition to inspection results and enforcement actions from July 1, 2013, through June 30, 2014. 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, Ginna operated in a manner that preserved public health and safety and met all cornerstone objectives with minimal degradation in safety performance. Ginna was in the Regulatory Response Column of the NRC's Reactor Oversight Process Action Matrix for the most recent quarter, due to a White Notice of Violation and Assessment Follow-Up Letter (ML14107A080) issued on April 17, 2014. The finding involved the failure to assure prompt identification and correction of conditions adverse to quality concerning two cable penetrations between manhole 1 and battery room 'B' at Ginna which were not hydrostatically sealed as required. As stated in the letter, this finding and the plant's transition to the Regulatory Response Column of the Action Matrix were retroactive to the fourth quarter of 2013.

On July 16, 2014, you notified the NRC of your readiness for it to conduct a supplemental inspection to review the actions taken to address the performance issues. Therefore, in addition to Reactor Oversight Process baseline inspections, the NRC is conducting a supplemental inspection in accordance with Inspection Procedure 95001, "Supplemental Inspection for One or Two White Inputs in a Strategic Performance Area," beginning on August 25, 2014. The objectives of the supplemental inspection are to provide assurance that the root causes and contributing causes of risk-significant performance issues are understood; to provide assurance that the extent of condition and extent of cause of risk-significant performance issues are identified; and to provide assurance that corrective actions for risk-significant performance issues are sufficient to address the root and contributing causes and prevent recurrence.

As a result of the Safety Culture Common Language Initiative, the terminology and coding of cross-cutting aspects were revised. All cross-cutting aspects identified during inspections conducted in calendar year 2014 reflect this revision to Inspection Manual Chapter (IMC) 0310. Cross-cutting aspects identified in 2013 using the 2013 terminology were converted to the latest

revision in accordance with the cross-reference in IMC 0310 during the mid-cycle assessment review and evaluated for cross-cutting themes and potential substantive cross-cutting issues in accordance with IMC 0305.

In response to the accident at Fukushima, the Commission issued Order EA-12-049, "Order Modifying Licenses with Regard to Requirements for Mitigation Strategies for Beyond-Design-Basis External Events," which requires licensees to develop, implement, and maintain guidance and strategies to maintain or restore core cooling, containment, and spent fuel pool cooling capabilities following a beyond-design-basis external event. Additionally, the Commission issued Order EA-12-051, "Order Modifying Licenses with Regard to Reliable Spent Fuel Pool Instrumentation," which requires licensees to have a reliable means of remotely monitoring wide-range Spent Fuel Pool levels to support effective prioritization of event mitigation and recovery actions in the event of a beyond-design-basis external event. The NRC is conducting audits of licensee efforts towards compliance with these Orders. This audit includes an onsite component in order for the NRC to evaluate licensee plans for complying with the Orders, as described in site-specific submittals, and to receive and review information relative to associated open items. This onsite activity will occur in the months prior to a declaration of compliance for the first unit at each site, and will aid staff in development of an ultimate Safety Evaluation for the site. The date for the onsite component at your site is being coordinated with your staff. A site-specific audit plan for the visit will be provided in advance to allow sufficient time for preparations.

The enclosed inspection plan lists the inspections scheduled through December 31, 2015. 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.

In accordance with Title 10 of the *Code of Federal Regulations* (10 CFR), Part 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 component of the NRC's Agencywide Document Access and Management System (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

J. Pacher

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Please contact Dan Schroeder at (610) 337-5262 with any questions you have regarding this letter.

Sincerely,

/RA/

Ho K. Nieh
Director
Division of Reactor Projects

Docket No. 50-244
License No. DPR-18

Enclosure: Inspection Plan

cc w/encl: Distribution via ListServ

Please contact Dan Schroeder at (610) 337-5262 with any questions you have regarding this letter.

Sincerely,

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DOCUMENT NAME: S:\ROP Assessment Meetings\ROP-15 Mid-Cycle Review\Branch 1\Ginna\Ginna 2014 MC Letter-final .docx
 ADAMS ACCESSION NUMBER: **ML14241A043**

<input checked="" type="checkbox"/> SUNSI Review		<input checked="" type="checkbox"/> Non-Sensitive <input type="checkbox"/> Sensitive		<input checked="" type="checkbox"/> Publicly Available <input type="checkbox"/> Non-Publicly Available	
OFFICE	RI/DRP	RI/DRP	RI/DRP		
NAME	ARosebrook/AAR	DSchroeder/DLS	HNieh/HKN		
DATE	08/26/14	08/26/14	08/28/14		

OFFICIAL RECORD COPY

Ginna
Inspection / Activity Plan
07/01/2014 - 12/31/2015

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			7111107T - TRIENNIAL HEAT SINK		1
1	07/14/2014	07/18/2014	IP 7111107T	Heat Sink Performance	
			71124 - RADIATION SAFETY INSPECTION - RETS		1
1	07/14/2014	07/18/2014	IP 71124.05	Radiation Monitoring Instrumentation	
1	07/14/2014	07/18/2014	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	
			12/1EXAM - INITIAL OL EXAM		3
1	11/03/2014	11/07/2014	U01900	FY15-GINNA INITIAL OPERATOR LICENSING EXAM	
1	12/01/2014	12/12/2014	U01900	FY15-GINNA INITIAL OPERATOR LICENSING EXAM	
			MODS - PERMANENT PLANT MODIFICATIONS		6
1	08/04/2014	08/08/2014	IP 7111117T	Evaluations of Changes, Tests, and Experiments and Permanent Plant Modifications	
1	08/18/2014	08/22/2014	IP 7111117T	Evaluations of Changes, Tests, and Experiments and Permanent Plant Modifications	
			EP PROG - EP PROGRAM INSPECTION		1
1	08/04/2014	08/08/2014	IP 7111402	Alert and Notification System Testing	
1	08/04/2014	08/08/2014	IP 7111403	Emergency Preparedness Organization Staffing and Augmentation System	
1	08/04/2014	08/08/2014	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies	
			95001 - 95001 SUPPLEMENTAL INSPECTION		2
1	08/25/2014	08/29/2014	IP 95001	Supplemental Inspection for One or Two White Inputs in a Strategic Performance Area	
			71124 - RADIATION SAFETY INSPECTION - INSTRUMENT		1
1	08/25/2014	08/29/2014	IP 71124.05	Radiation Monitoring Instrumentation	
1	08/25/2014	08/29/2014	IP 71151-OR01		
1	08/25/2014	08/29/2014	IP 71151-PR01		
			7111111B - REQUAL INSPECTION WITH P/F RESULTS		2
1	11/17/2014	11/21/2014	IP 7111111B	Licensed Operator Requalification Program	
			71124 - RADIATION SAFETY INSPECTION - DOSE		1
1	04/13/2015	04/17/2015	IP 71124.04	Occupational Dose Assessment	
			EP - EP EXERCISE		5
1	04/27/2015	05/01/2015	IP 7111401	Exercise Evaluation	
1	04/27/2015	05/01/2015	IP 7111408	Exercise Evaluation – Scenario Review	
			71124 - RADIATION SAFETY INSPECTION - ALARA		1
1	07/13/2015	07/17/2015	IP 71124.02	Occupational ALARA Planning and Controls	
			71124 - RADIATION SAFETY INSPECTION - REMP		1
1	08/17/2015	08/21/2015	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.

Enclosure

Ginna
Inspection / Activity Plan
07/01/2014 - 12/31/2015

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			TRI FI - TRIENNIAL FIRE PROTECTION INSPECTION		4
1	09/14/2015	09/18/2015	IP 7111105T	Fire Protection [Triennial]	
1	09/28/2015	10/02/2015	IP 7111105T	Fire Protection [Triennial]	
			71124 - RADIATION SAFETY INSPECTION		1
1	10/26/2015	10/30/2015	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
			7111108P - INSERVICE INSPECTION		1
1	10/26/2015	11/06/2015	IP 7111108P	Inservice Inspection Activities - PWR	
			71124 - RADIATION SAFETY INSPECTION - DOSE		1
1	12/07/2015	12/11/2015	IP 71124.04	Occupational Dose Assessment	
1	12/07/2015	12/11/2015	IP 71151	Performance Indicator Verification	

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Enclosure