



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION I  
475 ALLENDALE ROAD  
KING OF PRUSSIA, PA 19406-1415

March 4, 2011

Mr. John T. Carlin  
Vice President R. E. Ginna Nuclear Power Plant  
R. E. Ginna Nuclear Power Plant, LLC  
1503 Lake Road  
Ontario, NY 14519

SUBJECT: ANNUAL ASSESSMENT LETTER FOR R. E. GINNA NUCLEAR POWER  
PLANT (REPORT 05000244/2010001)

Dear Mr. Carlin:

On February 9, 2011, the Nuclear Regulatory Commission (NRC) completed its end-of-cycle performance review of R. E. Ginna Nuclear Power Plant (Ginna). The NRC reviewed the most recent quarterly performance indicators (PIs) in addition to inspection results and enforcement actions from January 1, 2010, through December 31, 2010. This letter informs you of the NRC's assessment of your facility during this period and its plans for future inspections at your facility. This performance review and enclosed inspection plan do not include security information. A separate letter will include the NRC's assessment of your performance in the Security Cornerstone and its security-related inspection plan.

The NRC determined that overall, Ginna operated in a manner that preserved public health and safety and met all cornerstone objectives. The NRC determined the performance at Ginna during the most recent quarter was within the Regulatory 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 there was one White PI in the Mitigating Systems Cornerstone. The White PI was related to exceeding the White significance threshold for the Mitigating Systems Performance Index (MSPI), Heat Removal Systems PI, since the third quarter 2009, due to reliability issues associated with the auxiliary feedwater (AFW) system, specifically the turbine-driven (TD) AFW pump.

On July 23, 2010, the NRC completed a supplemental inspection for two White findings and a White PI, associated with multiple failures of the TDAFW pump, and determined that Ginna's actions addressing these issues were appropriate. The inspection was conducted using Inspection Procedure (IP) 95002, "Inspection for One Degraded Cornerstone or Any Three White Inputs in a Strategic Performance Area," and the results were documented in inspection report 0500044/2010007. Therefore, the two White finding were removed from the assessment process resulting in Ginna transitioning from the Degraded Cornerstone Column to the Regulatory Response Column of the NRC's Action Matrix. The plant will remain in the Regulatory Response Column until the White PI returns to Green. Because the PI was inspected using IP 95002, the NRC determined that no additional agency follow-up beyond the baseline inspection program is necessary. Therefore, the NRC plans to conduct ROP baseline inspections at Ginna.

The enclosed inspection plan lists the inspections scheduled through June 30, 2012. 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 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.

From January 1 to December 31, 2010, the NRC issued one severity level IV traditional enforcement non-cited violation that involved a willful act. Therefore, the NRC plans to conduct IP 92702, "Followup on Traditional Enforcement Actions including Violations, Deviations, Confirmatory Action Letters, Confirmatory Orders, and Alternative Dispute Resolution Confirmatory Orders," to follow-up on this violation.

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 (PARS) component of NRC's document system (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 Glenn Dentel of my staff at 610-337-5233 with any questions you have regarding this letter.

Sincerely,



William M. Dean  
Regional Administrator

Docket Nos. 50-244  
License Nos. DPR-18

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Ginna Inspection / Activity Plan

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/RA/

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Ginna Inspection / Activity Plan

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**ML110620557**

OFFICE	RI/DRP	lhp	RI/DRP	RI/DRP	RI/ORA
NAME	APatel/ACP *		GDentel/GTD *	DRoberts/DJR	WDean/WMD
DATE	02/28/11		02/28/11	03/03/11	03/03/11

OFFICIAL RECORD COPY

Unit Number	Planned Dates Start End	Inspection Activity	Title	No. of Staff on Site
1	01/10/2011 01/14/2011	71124.05 - RAD INSTRUMENTATION	Radiation Monitoring Instrumentation	1
1	03/28/2011 04/01/2011	71124.01 - RAD HAZARD ASSESS, ALARA, AIR, DOSE	Radiological Hazard Assessment and Exposure Controls	1
1	03/28/2011 04/01/2011	IP 71124.01	Occupational ALARA Planning and Controls	
1	03/28/2011 04/01/2011	IP 71124.02	In-Plant Airborne Radioactivity Control and Mitigation	
1	03/28/2011 04/01/2011	IP 71124.03	Occupational Dose Assessment	
1	03/28/2011 04/01/2011	IP 71124.04	Radiation Monitoring Instrumentation	
1	03/28/2011 04/01/2011	IP 71124.05		
1	04/04/2011 04/08/2011	TI-177 - MANAGING GAS ACCUMULATION IN ECCS	Managing Gas Accumulation In Emergency Core Cooling, Decay Heat Removal & Containment Spray System	3
1	05/09/2011 05/20/2011	7111108P - INSERVICE INSPECTION	Inservice Inspection Activities - PWR	1
1	05/09/2011 05/27/2011	71124.01 - RAD HAZARD ASSESS, ALARA, AIR, DOSE	Radiological Hazard Assessment and Exposure Controls	1
1	05/09/2011 05/27/2011	IP 71124.01	Occupational ALARA Planning and Controls	
1	05/09/2011 05/27/2011	IP 71124.02	In-Plant Airborne Radioactivity Control and Mitigation	
1	05/09/2011 05/27/2011	IP 71124.03	Occupational Dose Assessment	
1	05/09/2011 05/27/2011	IP 71124.04	Radiation Monitoring Instrumentation	
1	05/09/2011 05/27/2011	IP 71124.05		
1	09/12/2011 09/16/2011	71124.06 - RETS	Operation of an Independent Spent Fuel Storage Installation at Operating Plants	1
1	09/12/2011 09/16/2011	IP 60855.1	Radioactive Gaseous and Liquid Effluent Treatment	
1	09/12/2011 09/16/2011	IP 71124.06	Occupational Exposure Control Effectiveness	
1	09/12/2011 09/16/2011	IP 71151-OR01	RETS/ODCM Radiological Effluent	
1	09/12/2011 09/16/2011	IP 71151-PR01		
1	09/19/2011 09/23/2011	7111107T - TRIENNIAL HEAT SINK	Heat Sink Performance	1
1	10/03/2011 10/07/2011	IP 7111107T		
1	10/17/2011 10/21/2011	7111117 - PERMANENT PLANT MODIFICATIONS	Evaluations of Changes, Tests, or Experiments and Permanent Plant Modifications	3
1	10/24/2011 10/28/2011	IP 7111117T	Evaluations of Changes, Tests, or Experiments and Permanent Plant Modifications	
1	10/24/2011 10/28/2011	IP 7111117T		
1	10/24/2011 10/28/2011	EP EX - EP EXERCISE EVALUATION	Exercise Evaluation	4
1	10/24/2011 10/28/2011	IP 7111401	Emergency Action Level and Emergency Plan Changes	
1	10/24/2011 10/28/2011	IP 7111404	Drill/Exercise Performance	
1	10/24/2011 10/28/2011	IP 71151-EP01	ERO Drill Participation	
1	10/24/2011 10/28/2011	IP 71151-EP02	Alert & Notification System	
1	10/24/2011 10/28/2011	IP 71151-EP03		

Unit Number	Planned Dates Start	Planned Dates End	Inspection Activity	Title	No. of Staff on Site
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			<b>71124</b>	<b>- RADIATION SAFETY INSPECTION</b>	
1	02/13/2012	02/17/2012	IP 71124.02	Occupational ALARA Planning and Controls	1
1	02/13/2012	02/17/2012	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1	02/13/2012	02/17/2012	IP 71124.04	Occupational Dose Assessment	
			<b>71152B</b>	<b>- PI&amp;R</b>	
1	04/09/2012	04/13/2012	IP 71152B	Identification and Resolution of Problems	5
1	04/23/2012	04/27/2012	IP 71152B	Identification and Resolution of Problems	

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