



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

March 3, 2010

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 - R. E. GINNA NUCLEAR POWER PLANT  
(REPORT 05000244/2010001)

Dear Mr. Carlin:

On February 12, 2010, the NRC staff completed its performance review of R. E. Ginna Nuclear Power Plant (Ginna). Our technical staff reviewed performance indicators (PIs) for the most recent quarter and inspection results for the period from January 1 through December 31, 2009. The purpose of this letter is to inform you of our assessment of your safety performance during this period and our plans for future inspections at your facility.

This performance review and enclosed inspection plan do not include security information. A separate letter designated and marked as "Official Use Only—Security Information" will include the security cornerstone performance review and resultant inspection plan.

Overall, Ginna operated in a manner that preserved public health and safety and met all cornerstone objectives with moderate degradation in safety performance. Plant performance for the most recent quarter was within the Degraded Cornerstone column of the NRC's Action Matrix, based on two findings having low to moderate safety significance (White) and one White PI in the Mitigating Systems Cornerstone. The first White finding, originating in the first quarter 2009, was related to Ginna's inadequate implementation of a preventive maintenance (PM) program for, and the subsequent failure of, the turbine-driven auxiliary feedwater (TDAFW) pump governor. The second White finding, originating in the fourth quarter 2009, was related to inadequate corrective actions which led to binding of the governor control valve and failure of the same TDAFW pump. Additionally, the assigned White PI resulted from exceeding the White significance threshold for the Mitigating Systems Performance Index (MSPI), Heat Removal Systems PI, in the third quarter 2009, due to the reliability and unavailability issues associated with the TDAFW pump.

In addition to reactor oversight process (ROP) baseline inspection at your facility, based on our current assessment of performance for Ginna, we plan to conduct a supplemental inspection using Inspection Procedure 95002, "Inspection for One Degraded Cornerstone or Any Three White Inputs in a Strategic Performance Area." The NRC has previously conducted inspections (ML093160122, ML093160200 and ML091250233)<sup>1</sup> to ensure that deficiencies associated with the TDAFW pump have been corrected. However, this inspection will be conducted, when your staff notifies us of your readiness, to provide assurance that the root and contributing causes for the risk significant performance issues are understood, to independently assess the extent of

<sup>1</sup> Designation in parenthesis refers to an ADAMS accession number. Documents referenced in this letter are publicly available using the accession number in ADAMS

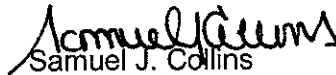
condition and extent of cause, to independently determine if safety culture components contributed to the performance issues, and to provide assurance that the corrective actions are sufficient to prevent recurrence.

The enclosed inspection plan details the inspections, less those related to security, scheduled through June 30, 2011. In addition to the previously noted 95002 supplemental inspection and the baseline inspections, we plan on conducting independent spent fuel storage installation (ISFSI) inspections. The inspection plan is provided to allow for the resolution of any scheduling conflicts and personnel availability issues well in advance of inspector arrival onsite. Routine resident inspections are not listed due to their ongoing and continuous nature. The inspections in the last nine months of the inspection plan are tentative and may be revised at the mid-cycle review.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter and its enclosure will be made 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).

If circumstances arise which cause us to change this inspection plan, we will contact you to discuss the change as soon as possible. Please contact Glenn Dentel of my staff at 610-337-5233 with any questions you may have regarding this letter or the inspection plan.

Sincerely,



Samuel J. Collins  
Regional Administrator, Region I

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

Enclosure: Ginna Inspection / Activity Plan

cc w/encl: Distribution via ListServ

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Sincerely,  
**/RA/**  
Samuel J. Collins  
Regional Administrator, Region I

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License No. DPR-18

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OFFICE	RI/DRP	RI/DRP	RI/DRP	RI/ORR		
NAME	NPerry/NP	GDentel/GTD	DLew/DCL	SCollins/SJC		
DATE	03/01/2010	03/01/10	03/01/10	03/01/10		

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Unit Number	Planned Dates Start	Planned Dates End	Inspection Activity	Title	No. of Staff on Site
1	01/11/2010	01/15/2010	71124 - RADIATION SAFETY	Radiological Hazard Assessment and Exposure Controls	1
1	01/11/2010	01/15/2010	IP 71124.01	Occupational ALARA Planning and Controls	
1	02/08/2010	02/12/2010	EP PROG - EP PROGRAM INSPECTION	Radiological Environmental Monitoring Program	1
1	02/08/2010	02/12/2010	IP 7111402	Emergency Response Organization Augmentation Testing	
1	02/08/2010	02/12/2010	IP 7111403	Emergency Action Level and Emergency Plan Changes	
1	02/08/2010	02/12/2010	IP 7111404	Correction of Emergency Preparedness Weaknesses and Deficiencies	
1	02/08/2010	02/12/2010	IP 7111405	Drill/Exercise Performance	
1	02/08/2010	02/12/2010	IP 71151-EP01	ERO Drill Participation	
1	02/08/2010	02/12/2010	IP 71151-EP02	Alert & Notification System	
1	02/08/2010	02/12/2010	IP 71151-EP03		
1	05/24/2010	05/28/2010	6/21EXAM - OPERATOR LICENSING INITIAL EXAMS		5
1	06/21/2010	07/02/2010	U01766	FY10 - GINNA INITIAL OPERATOR LICENSING EXAM	
1	03/22/2010	03/26/2010	U01766	FY10 - GINNA INITIAL OPERATOR LICENSING EXAM	1
1	05/17/2010	05/28/2010	71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	1
1	05/17/2010	05/28/2010	ISFSI	ISFSI DRY RUN AND INITIAL LOADING	1
1	05/17/2010	05/28/2010	IP 60854	Preoperational Testing Of An ISFSI	
1	05/17/2010	05/28/2010	IP 60855	Operation Of An ISFSI	
1	05/24/2010	05/28/2010	71152B	PI&R	4
1	06/07/2010	06/11/2010	IP 71152B	Identification and Resolution of Problems	
1	06/07/2010	06/11/2010	IP 71152B	Identification and Resolution of Problems	
1	06/21/2010	06/25/2010	2515/173	INDUSTRY GROUND WATER INITIATIVE	1
1	06/21/2010	06/25/2010	IP 2515/173	Review of the Implementation of the Industry Ground Water Protection Voluntary Initiative	1
1	06/21/2010	06/25/2010	71124.07	REMP	1
1	06/21/2010	06/25/2010	IP 71124.07	Public Radiation Safety	
1	11/08/2010	11/12/2010	711111B	REQUAL INSP W/ P/F RESULTS	3
1	09/27/2010	10/01/2010	IP 711111B	Licensed Operator Requalification Program	
1	09/27/2010	10/01/2010	71124	RAD SAFETY - RAD HAZARD ASSESS/ALARA	1
1	09/27/2010	10/01/2010	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1	09/27/2010	10/01/2010	IP 71124.02	Occupational ALARA Planning and Controls	
1	09/27/2010	10/01/2010	IP 71151	Performance Indicator Verification	
1	10/18/2010	10/22/2010	CDBI	COMPONENT DESIGN BASES INSPECTION	6
1	11/01/2010	11/12/2010	IP 711121	Component Design Bases Inspection	
1	11/01/2010	11/12/2010	IP 711121	Component Design Bases Inspection	

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

Unit Number	Planned Dates Start	Planned Dates End	Inspection Activity	Title	No. of Staff on Site
1	01/03/2011	01/07/2011	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	2
1	05/09/2011	05/20/2011	IP 2515/177		
1	05/09/2011	05/20/2011	7111108P - INSERVICE INSPECTION	Inservice Inspection Activities - PWR	1
1	05/09/2011	05/20/2011	IP 7111108P		
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		