



**UNITED STATES  
NUCLEAR REGULATORY COMMISSION**

REGION IV  
1600 E. LAMAR BLVD  
ARLINGTON, TX 76011-4511

March 4, 2015

Mr. Kevin Mulligan  
Site Vice President Operations  
Entergy Operations, Inc.  
Grand Gulf Nuclear Station  
P.O. Box 756  
Port Gibson, MS 39150

**SUBJECT: ANNUAL ASSESSMENT LETTER FOR GRAND GULF NUCLEAR STATION  
(REPORT 05000416/2014001)**

Dear Mr. Mulligan:

On February 19, 2015, the Nuclear Regulatory Commission (NRC) completed its end-of-cycle performance review of the Grand Gulf Nuclear Station. The NRC reviewed the most recent quarterly performance indicators (PIs) in addition to inspection results and enforcement actions from January 1, 2014, through December 31, 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, the Grand Gulf Nuclear Station operated in a manner that preserved public health and safety and met all cornerstone objectives. The NRC determined the performance at the Grand Gulf Nuclear Station 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.

In the 2014 Mid-Cycle Assessment Letter, dated September 2, 2014 (ML14239A413), your staff was informed that the NRC planned to conduct Inspection Procedure 92723, "Follow-up Inspection for Three or More Severity Level IV Traditional Enforcement Violations in the Same Area in a 12-Month Period," at the Grand Gulf Nuclear Station. This was done to review four traditional enforcement violations that were identified during the 2013 Annual Assessment period. This inspection was performed in the 4<sup>th</sup> Quarter 2014, and the results of this inspection are documented in Inspection Report 05000416/2014005.

The enclosed inspection plan lists the inspections scheduled through June 30, 2016. 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 any changes. This inspection plan does not include security-related inspections, which will be sent via separate, non-publicly available correspondence.

Additionally, an NRC audit of licensee efforts towards compliance with Order EA-12-049, "Order Modifying Licenses with Regard to Requirements for Mitigation Strategies for Beyond-Design-Basis External Events," and Order EA-12-051, "Order Modifying Licenses with Regard to Reliable Spent Fuel Pool Instrumentation" is ongoing. This audit includes an onsite component in order for the NRC to evaluate mitigating strategies as described in licensee submittals, and to receive and review information relative to associated open items. This onsite activity will occur in the months prior to the first unit at each site achieving compliance with the Orders, and will aid staff in development of a Safety Evaluation for the site. The onsite component at your site has been scheduled for the week of October 19, 2015. A site-specific audit plan for the visit will be provided in advance to allow sufficient time for preparations.

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 Greg Warnick, Chief, Project Branch C, at (817) 200-1144 with any questions you have regarding this letter.

Sincerely,

/RA/

Troy W. Pruett, Director  
Division of Reactor Projects

Docket: 50-416  
License: NPF-29

Enclosure:  
Grand Gulf Nuclear Station  
Inspection Plan

**Grand Gulf**  
**Inspection / Activity Plan**  
**03/01/2015 - 06/30/2016**

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			<b>EXAM - INITIAL OPERATOR EXAM</b>		<b>4</b>
1	10/26/2015	10/30/2015	X02548	INITIAL EXAM GG(11/2015)	
1	12/07/2015	12/11/2015	X02548	INITIAL EXAM GG(11/2015)	
			<b>RS 5678 - RADIATION SAFETY - TEAM</b>		<b>4</b>
1	03/23/2015	03/27/2015	IP 71124.05	Radiation Monitoring Instrumentation	
1	03/23/2015	03/27/2015	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	
1	03/23/2015	03/27/2015	IP 71124.07	Radiological Environmental Monitoring Program	
1	03/23/2015	03/27/2015	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
			<b>EB1-21T - GG COMPONENT DESIGN BASIS INSPECTION</b>		<b>7</b>
1	07/27/2015	08/28/2015	IP 7111121	Component Design Bases Inspection	
			<b>ISFSI - ROUTINE LOADING INSPECTION (ONE WEEK)</b>		<b>1</b>
1	08/01/2015	08/30/2015	IP 60855.1	Operation of an Independent Spent Fuel Storage Installation at Operating Plants	
			<b>INSP - OPERATOR REQUAL INSPECTION</b>		<b>2</b>
1	08/10/2015	08/14/2015	IP 7111111B	Licensed Operator Requalification Program	
			<b>TSB 52B - BIENNIAL PI&amp;R INSPECTION</b>		<b>4</b>
1	09/21/2015	09/25/2015	IP 71152B	Problem Identification and Resolution	
1	10/05/2015	10/09/2015	IP 71152B	Problem Identification and Resolution	
			<b>EP-2 - HAB EXERCISE INSPECTION</b>		<b>6</b>
1	10/19/2015	10/23/2015	IP 7111404	Emergency Action Level and Emergency Plan Changes	
1	10/19/2015	10/23/2015	IP 7111407	Exercise Evaluation - Hostile Action (HA) Event	
			<b>EP-3 - EP PERFORMANCE INDICATORS</b>		<b>2</b>
1	10/19/2015	10/23/2015	IP 71151-EP01	Drill/Exercise Performance	
1	10/19/2015	10/23/2015	IP 71151-EP02	ERO Readiness	
1	10/19/2015	10/23/2015	IP 71151-EP03	Alert & Notification System Reliability	
			<b>RS 12 PI - RADIATION SAFETY</b>		<b>2</b>
1	11/16/2015	11/20/2015	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1	11/16/2015	11/20/2015	IP 71124.02	Occupational ALARA Planning and Controls	
1	11/16/2015	11/20/2015	IP 71151-OR01	Occupational Exposure Control Effectiveness	
1	11/16/2015	11/20/2015	IP 71151-PR01	RETS/ODCM Radiological Effluent Occurrences	
			<b>RS 13 PI - RADIATION SAFETY</b>		<b>2</b>
1	02/29/2016	03/04/2016	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1	02/29/2016	03/04/2016	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1	02/29/2016	03/04/2016	IP 71151-OR01	Occupational Exposure Control Effectiveness	
1	02/29/2016	03/04/2016	IP 71151-PR01	RETS/ODCM Radiological Effluent Occurrences	

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

**Grand Gulf**  
**Inspection / Activity Plan**  
**03/01/2015 - 06/30/2016**

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			<b>71111.08 - INSERVICE INSPECTION</b>		<b>1</b>
1	03/02/2016	03/06/2016	IP 7111108G	Inservice Inspection Activities - BWR	
			<b>EB1-07T - GG HEAT SINK PERFORMANCE INSPECTION</b>		<b>1</b>
1	05/02/2016	05/06/2016	IP 7111107T	Heat Sink Performance	

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**DISTRIBUTION**

See next page

GG 2014 EOC Ltr.

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OFFICE	DRP BC-C		DRS/DRS	DRP/DIR
NAME	GWarnick:tk		AVegel	TPruett
SIGNATURE	/RA/		/RA/	/RA/
DATE	2/27/15		2/27/15	3/4/15

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Letter to Kevin Mulligan from Troy Pruett, dated March 4, 2015

SUBJECT: ANNUAL ASSESSMENT LETTER FOR GRAND GULF NUCLEAR STATION  
(REPORT 05000416/2014001)

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