



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION IV  
1600 EAST LAMAR BLVD  
ARLINGTON, TEXAS 76011-4511

September 4, 2012

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

SUBJECT: MID-CYCLE ASSESSMENT LETTER FOR GRAND GULF NUCLEAR STATION  
(Report 05000416/2012006)

Dear Mr. Perito:

On August 15, 2012, the NRC completed its mid-cycle performance review of Grand Gulf Nuclear Station. The NRC reviewed the most recent quarterly performance indicators (PIs) in addition to inspection results and enforcement actions from July 1, 2011 through June 30, 2012. 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 security inspection plan will be sent via separate correspondence.

The NRC determined the performance at 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.

The enclosed inspection plan lists the inspections scheduled through December 31, 2013. Routine inspections performed by resident inspectors are not included in the inspection plan. In addition to the baseline inspections, consistent with the Agency's actions related to Fukushima, the NRC will perform TI-187, "Inspection of Near-Term Task Force Recommendation 2.3 Flooding Walkdowns," and TI-188, "Inspection of Near-Term Task Force Recommendation 2.3 Seismic Walkdowns." 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.

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).

M. Perito

- 2 -

Please contact me at 817-200-1144 with any questions you may have regarding this matter.

Sincerely,

A handwritten signature in black ink that reads "Vincent Gaddy". The signature is written in a cursive, flowing style.

Vincent Gaddy, Chief  
Reactor Projects Branch C  
Division of Reactor Projects

Docket No: 50-416

License No: NPF-29

Enclosure: Grand Gulf Nuclear Station / Activity Plan

cc w/Enclosure: Electronic Distribution

## Grand Gulf

## Inspection / Activity Plan

09/01/2012 - 12/31/2013

Unit Number	Planned Dates Start End	Inspection Activity	Title	No. of Staff on Site
1	01/01/2012 12/31/2012	92702 - FOLLOW-UP TO CONFIRMATORY ORDER (QA/QC)		1
		IP 92702	Followup On Corrective Actions For Violations And Deviations	
1	03/01/2012 06/30/2013	2515/182 - DEGRADATION UNDERGROUND PIPING (PHASE 1)		2
		IP 2515/182	Review of the Implementation of the Industry Initiative to Control Degradation of Underground Piping	
1	10/22/2012 10/26/2012	EXAM - INITIAL OPERATOR EXAM		4
		X02497	INITIAL EXAM FOR GRAND GULF (01/01/2012)	
1	12/10/2012 12/18/2012		INITIAL EXAM FOR GRAND GULF (01/01/2012)	
1	06/25/2012 09/04/2012	EB1-21 - COMPONENT DESIGN BASIS INSPECTION		5
		IP 7111121	Component Design Bases Inspection	
1	07/01/2012 12/31/2012	2515/187 - NTTF FLOODING WALKDOWNS		2
		IP 2515/187	Inspection of Near-Term Task Force Recommendation 2.3 Flooding Walkdowns	
1	07/01/2012 12/31/2012	2515/188 - NTTF SEISMIC WALKDOWNS		2
		IP 2515/188	Inspection of Near-Term Task Force Recommendation 2.3 Seismic Walkdowns	
1	09/10/2012 09/14/2012	EP-1 - BIENNIAL EP PROGRAM INSPECTION		1
		IP 7111402	Alert and Notification System Testing	
1	09/10/2012 09/14/2012		Emergency Preparedness Organization Staffing and Augmentation System	
1	09/10/2012 09/14/2012		Emergency Action Level and Emergency Plan Changes	
1	09/10/2012 09/14/2012		Correction of Emergency Preparedness Weaknesses and Deficiencies	
1	09/10/2012 09/14/2012		Drill/Exercise Performance	
1	09/10/2012 09/14/2012		ERO Drill Participation	
1	09/10/2012 09/14/2012		Alert & Notification System	
1	11/13/2012 11/16/2012	RS24 - RADIATION SAFETY		1
		IP 71124.02	Occupational ALARA Planning and Controls	
1	11/13/2012 11/16/2012		Occupational Dose Assessment	
1	01/01/2013 12/31/2013	2515/187 - NTTF FLOODING WALKDOWNS		2
		IP 2515/187	Inspection of Near-Term Task Force Recommendation 2.3 Flooding Walkdowns	
1	01/01/2013 12/31/2013	2515/188 - NTTF SEISMIC WALKDOWNS		2
		IP 2515/188	Inspection of Near-Term Task Force Recommendation 2.3 Seismic Walkdowns	
1	02/25/2013 03/01/2013	EB1-07T - TRIENNIAL HEAT SINK INSPECTION		1
		IP 7111107T	Heat Sink Performance	
1	04/08/2013 04/19/2013	EB1-17T - TRIENNIAL PERM PLANT MODS & 50.59		3
		IP 711117T	Evaluations of Changes, Tests, or Experiments and Permanent Plant Modifications	

This report does not include INPO and OUTAGE activities.

This report shows only on-site and announced inspection procedures.

08/29/2012 14:02:53

Report 22

## Grand Gulf

## Inspection / Activity Plan

09/01/2012 - 12/31/2013

Unit Number	Planned Dates Start End	Inspection Activity	Title	No. of Staff on Site
		<b>EXAM - INITIAL LICENSED OPERATOR EXAM</b>		5
1	10/07/2013 10/11/2013	X02517	INITIAL EXAM-GG 9 (11/2013)	
1	11/11/2013 11/21/2013	X02517	INITIAL EXAM-GG 9 (11/2013)	
		<b>PSB2-RP - RADIATION SAFETY</b>		4
1	06/17/2013 06/21/2013	IP 71124.05	Radiation Monitoring Instrumentation	
1	06/17/2013 06/21/2013	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	
1	06/17/2013 06/21/2013	IP 71124.07	Radiological Environmental Monitoring Program	
1	06/17/2013 06/21/2013	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
		<b>PI&amp;R 52B - BIENNIAL PI&amp;R</b>		4
1	08/12/2013 08/30/2013	IP 71152B	Problem Identification and Resolution	
		<b>INSP - LICENSED OPERATOR REQUAL INSP</b>		3
1	08/19/2013 08/23/2013	IP 711111B	Licensed Operator Requalification Program	
		<b>EP1 - BIENNIAL EXERCISE INSPECTION</b>		4
1	09/09/2013 09/13/2013	IP 7111401	Exercise Evaluation	
		<b>PSB2-RP - RADIATION SAFETY</b>		2
1	10/21/2013 10/25/2013	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1	10/21/2013 10/25/2013	IP 71124.02	Occupational ALARA Planning and Controls	
1	10/21/2013 10/25/2013	IP 71151-OR01	Occupational Exposure Control Effectiveness	
1	10/21/2013 10/25/2013	IP 71151-PR01	RETS/ODCM Radiological Effluent	

This report does not include INPO and OUTAGE activities.

This report shows only on-site and announced inspection procedures.