



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION IV
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ARLINGTON, TEXAS 76011-4125

September 1, 2009

James R. Douet, Vice President Operations
Entergy Operations, Inc.
Grand Gulf Nuclear Station
P.O. Box 756
Port Gibson, MS 39150

SUBJECT: MIDCYCLE PERFORMANCE REVIEW AND INSPECTION PLAN -
GRAND GULF NUCLEAR STATION

Dear Mr. Douet:

On August 5, 2009, the NRC staff completed its performance review of Grand Gulf Nuclear Station for the first half of the calendar year 2009 assessment cycle. Our technical staff reviewed performance indicators for the most recent quarter and inspection results over the previous 12 months. 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 review and resultant inspection plan.

Plant performance for the most recent quarter at Grand Gulf Nuclear Station was within the Licensee Response Column of the NRC's Action Matrix, based on all inspection findings being classified as having very low safety significance (Green) and all performance indicators indicating performance at a level requiring no additional NRC oversight (Green). Therefore, we plan to conduct reactor oversight process baseline inspections at your facility.

In the 2008 end-of-cycle assessment letter, the staff identified that there were more than three Green or safety significant inspection findings for the current 12-month assessment period with documented crosscutting aspects in the area of human performance, with a crosscutting theme in the aspect of human error prevention techniques [H.4(a)] associated with these findings. Over the course of this assessment period, the staff identified that a crosscutting theme still exists in this area, with four findings associated with the aspect of human error prevention techniques. In addition, the staff identified that a new crosscutting theme in the use of conservative assumptions in decision-making [H.1(b)] has emerged with four findings over this assessment period. In evaluating the scope of efforts and progress in addressing the crosscutting theme of human error prevention techniques, the staff determined that you appropriately recognized this theme and implemented a range of corrective actions to address it. Based on a review of these corrective actions through the baseline inspection program, the staff concluded the identified corrective actions were appropriate. For the crosscutting theme involving the use of conservative assumptions in decision making, the staff determined that you appropriately recognized the theme and developed corrective actions to address it, but a reasonable duration of time has not passed for the staff to determine the effectiveness of your

corrective actions. Therefore, the staff determined that a substantive crosscutting issue in human performance does not exist at this time. We will continue to closely monitor the progress of your corrective actions for both of the above crosscutting themes through the baseline inspection program over the next assessment period.

The enclosed inspection plan details the inspections, less those related to physical protection, scheduled through December 31, 2010. 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 end-of-cycle review. We are also evaluating potential changes to the inspection program in the radiation safety cornerstone. Consequently, some specific inspection procedures and the inspection schedule may be revised for 2010.

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 the inspection plan, we will contact you to discuss the change as soon as possible. Please contact me at (817) 860-8144 with any questions you may have regarding this letter or the inspection plan.

Sincerely,



Geoffrey B. Miller, Chief
Project Branch C
Division of Reactor Projects

Docket: 50-416
License: NPF-29

Enclosure:
Grand Gulf Inspection/Activity Plan

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SUNSI Rev Compl.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	ADAMS	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Reviewer Initials	GM
Publicly Avail	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Sensitive	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Sens. Type Initials	GM
RIV/SPE/DRP/C	C:DRP/C	D:DRS	D:DRP		
DLProulx	GBMiller	RJCaniano	DDChamberlain		
<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>		
8/17/09	8/24/09	8/17/09	8/18/2009		

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Grand Gulf

Inspection / Activity Plan

09/01/2009 - 12/31/2010

Unit Number	Planned Dates Start	Planned Dates End	Inspection Activity	Title	No. of Staff on Site
1	10/26/2009	10/30/2009	PSB2-52B - BIENNIAL PI&R INSPECTION	Identification and Resolution of Problems	4
1	11/16/2009	11/20/2009	IP 71152B	Identification and Resolution of Problems	
1	11/30/2009	12/04/2009	RP-ORS5 - OCCUPATIONAL RADIATION SAFETY	Access Control to Radiologically Significant Areas	1
1	11/30/2009	12/04/2009	IP 7112101	ALARA Planning and Controls	
1	11/30/2009	12/04/2009	IP 7112102	Performance Indicator Verification	
1	01/11/2010	01/15/2010	EB2-07T - TRIENNIAL HEAT SINK PERFORMANCE	Heat Sink Performance	1
1	02/01/2010	02/12/2010	EB1-17 - 50.59 AND MODS	Evaluations of Changes, Tests, or Experiments and Permanent Plant Modifications	3
1	05/03/2010	05/07/2010	EP-1 - BIENNIAL EP PROGRAM INSPECTION	Alert and Notification System Testing	1
1	05/03/2010	05/07/2010	IP 7111402	Emergency Response Organization Augmentation Testing	
1	05/03/2010	05/07/2010	IP 7111403	Emergency Action Level and Emergency Plan Changes	
1	05/03/2010	05/07/2010	IP 7111404	Correction of Emergency Preparedness Weaknesses and Deficiencies	
1	05/03/2010	05/07/2010	IP 7111405	Drill/Exercise Performance	
1	05/03/2010	05/07/2010	IP 71151-EP01	ERO Drill Participation	
1	05/03/2010	05/07/2010	IP 71151-EP02	Alert & Notification System	
1	05/03/2010	05/07/2010	IP 71151-EP03		
1	05/03/2010	05/07/2010	EB1 08 - INSERVICE INSPECTION	Inservice Inspection Activities - BWR	1
1	05/03/2010	05/21/2010	IP 7111108G		
1	05/03/2010	05/07/2010	RP-ORS1 - OCCUPATIONAL RADIATION SAFETY - ACCESS	Access Control to Radiologically Significant Areas	1
1	05/03/2010	05/07/2010	IP 7112101	ALARA Planning and Controls	
1	05/03/2010	05/07/2010	IP 7112102	Occupational Exposure Control Effectiveness	
1	05/03/2010	05/07/2010	IP 71151-OR01	RETS/ODCM Radiological Effluent	
1	05/03/2010	05/07/2010	IP 71151-PR01		
1	06/07/2010	06/11/2010	EXAM - INITIAL EXAM	INITIAL EXAM-GG (04/2010)	3
1	06/28/2010	07/02/2010	X02440	INITIAL EXAM-GG (04/2010)	
1	09/13/2010	09/17/2010	RP-ORS2 - OCCUPATIONAL RADIATION SAFETY	Access Control to Radiologically Significant Areas	1
1	09/13/2010	09/17/2010	IP 7112101	ALARA Planning and Controls	
1	09/13/2010	09/17/2010	IP 7112102	Occupational Exposure Control Effectiveness	
1	09/13/2010	09/17/2010	IP 71151-OR01	RETS/ODCM Radiological Effluent	
1	09/13/2010	09/17/2010	IP 71151-PR01		

This report does not include INPO and OUTAGE activities.

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