

UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION IV
611 RYAN PLAZA DRIVE, SUITE 400
ARLINGTON, TEXAS 76011-4005

August 31, 2006

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

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

Dear Mr. Brian:

On August 8, 2006, the NRC staff completed its performance review of the Grand Gulf Nuclear Station for the first half of the calendar year 2006 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 in order for you to inform us of any planned inspection that may conflict with your plant activities.

This performance review and enclosed inspection plan do not include physical protection information. A separate letter designated and marked as "Official Use Only - Security-Related Information" will include the physical protection review and a resultant inspection plan.

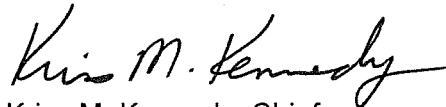
Plant performance for the most recent quarter at Grand Gulf Nuclear Station was within the Licensee Response Column of the NRC's Action Matrix, based on all inspection findings being classified as having very low safety significance (Green) and all performance indicators indicating performance at a level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

With the exception of inspections related to physical protection, the enclosed inspection plan details the inspections, including Temporary Instructions, scheduled through March 31, 2008. The inspection plan is provided to minimize the resource impact on your staff and to allow for the early 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 9 months of the inspection plan are tentative and may be revised at the end-of-cycle review meeting.

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,



Kriss M. Kennedy, Chief
Project Branch C
Division of Reactor Projects

Docket: 50-416
License: NPF-29

Enclosure:
Grand Gulf Inspection/Activity Plan

cc w/enclosure:
Senior Vice President
and Chief Operating Officer
Entergy Operations, Inc.
P.O. Box 31995
Jackson, MS 39286-1995

Wise, Carter, Child & Caraway
P.O. Box 651
Jackson, MS 39205

Winston & Strawn LLP
1700 K Street, N.W.
Washington, DC 20006-3817

Jay Barkley, Chief
Energy & Transportation Branch
Environmental Compliance and
Enforcement Division
Mississippi Department of
Environmental Quality
P.O. Box 10385
Jackson, MS 39289-0385

Entergy Operations, Inc.

- 3 -

President, District 1
Claiborne County Board of Supervisors
P.O. Box 339
Port Gibson, MS 39150

General Manager
Grand Gulf Nuclear Station
Entergy Operations, Inc.
P.O. Box 756
Port Gibson, MS 39150

The Honorable Charles C. Foti, Jr.
Attorney General
Department of Justice
State of Louisiana
P.O. Box 94005
Baton Rouge, LA 70804-9005

Governor Haley Barbour
Office of the Governor
State of Mississippi
P.O. Box 139
Jackson, MS 39205

Jim Hood, Attorney General
State of Mississippi
P.O. Box 220
Jackson, MS 39225

Dr. Brian W. Amy
State Health Officer
State Board of Health
P.O. Box 1700
Jackson, MS 39215

Robert W. Goff, Program Director
Division of Radiological Health
Mississippi Dept. of Health
P.O. Box 1700
Jackson, MS 39215-1700

Director
Nuclear Safety & Licensing
Entergy Operations, Inc.
1340 Echelon Parkway
Jackson, MS 39213-8298

Entergy Operations, Inc.

- 4 -

Director, Nuclear Safety
and Regulatory Affairs
Entergy Operations, Inc.
P.O. Box 756
Port Gibson, MS 39150

Richard Penrod, Senior Environmental
Scientist
Office of Environmental Services
Northwestern State University
Russell Hall, Room 201
Natchitoches, LA 71497

Institute of Nuclear Power Operations (INPO)
Records Center
700 Galleria Parkway SE, Suite 100
Atlanta, GA 30339

Electronic distribution by RIV:
 Regional Administrator (**BSM1**)
 DRP Director (**ATH**)
 DRS Director (**DDC**)
 DRS Deputy Director (**RJC1**)
 Senior Resident Inspector (**GBM**)
 Branch Chief, DRP/C (**KMK**)
 Senior Project Engineer, DRP/C (**WCW**)
 Team Leader, DRP/TSS (**RLN1**)
 RITS Coordinator (**KEG**)
 V. Dricks, PAO (**VLD**)
 W. Maier, RSLO (**WAM**)
 C. Gordon (**CJG**)
 DRS Branch Chiefs (**JAC, ATG, LJS, MPS1**)
 B. Wetzel, Chief, TRPS, OEDO (**BAW**)
 S. Richards, Deputy Director, DIRS, NRR (**SAR**)
 C. Holden, Deputy Director, DORL, NRR (**CFH**)
 C. Haney, Director, DORL, NRR (**CXH**)
 D. Terao, Chief, LPLG, DORL, NRR (**DXT**)
 B. Vaidya, NRR Project Manager (**BKV**)
 RidsNrrDirslpab@nrc.gov

SUNSI Review Completed: __wcw__ ADAMS: Yes No Initials: __wcw__
 Publicly Available Non-Publicly Available Sensitive Non-Sensitive

R:_ REACTORS\EOC and Midcycle\Midcycle Assessment Letters\2006\GG

RIV/SPE/DRP/C	SRI/DRP/C	C/DRP/C	D/DRS	D/DRP
WCWalker;df	GBMiller	KMKennedy	DDChamberlain	ATHowell III
<i>/RA/</i>	<i>E - WCWalker</i>	<i>/RA/</i>	<i>RJCaniano for</i>	<i>/RA/</i>
8/16/06	8/16/06	8/17/06	8/24/06	8/25/06
C/DRP/C for signature				
KMKennedy				
<i>KMK</i>				
8/28/06				

OFFICIAL RECORD COPY

T=Telephone

E=E-mail

F=Fax

Grand Gulf
Inspection / Activity Plan
07/01/2006 - 03/31/2008

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	Planned Dates End	Inspection Type
1	RP-ORS - OCCUPATIONAL RADIATION SAFETY		1			
1	IP 7112101	Access Control to Radiologically Significant Areas		07/10/2006	07/14/2006	Baseline Inspections
1	IP 7112102	ALARA Planning and Controls		07/10/2006	07/14/2006	Baseline Inspections
1	IP 71151	Performance Indicator Verification		07/10/2006	07/14/2006	Baseline Inspections
1	EB2-07B - HX PERFORMANCE		2			
1	IP 7111107B	Heat Sink Performance		09/11/2006	09/15/2006	Baseline Inspections
1	TI-169 - TI-169 MSPI VERIFICATION		4			
1	IP 2515/169	Mitigating Systems Performance Index Verification		10/01/2006	12/31/2006	Safety Issues
1	EB2-12B - MAINTENANCE RULE INSPECTION		2			
1	IP 711112B	Maintenance Effectiveness		01/15/2007	01/19/2007	Baseline Inspections
1	BRQ SIM - BIENNIAL REQUAL SIM ONLY		1			
1	IP 711111B	Licensed Operator Requalification Program		01/22/2007	01/26/2007	Baseline Inspections
1	EXAM - INITIAL EXAM		3			
1	X02328	GRAND GULF INITIAL EXAM (2/5/07)		02/12/2007	02/16/2007	Not Applicable
1	X02328	GRAND GULF INITIAL EXAM (2/5/07)		03/05/2007	03/09/2007	Not Applicable
1	EB1-08G - ISI		1			
1	IP 7111108G	Inservice Inspection Activities - BWR		03/26/2007	03/30/2007	Baseline Inspections
1	RP-ORS - OCCUPATIONAL RADIATION SAFETY		1			
1	IP 7112101	Access Control to Radiologically Significant Areas		03/26/2007	03/30/2007	Baseline Inspections
1	IP 7112102	ALARA Planning and Controls		03/26/2007	03/30/2007	Baseline Inspections
1	IP 71151	Performance Indicator Verification		03/26/2007	03/30/2007	Baseline Inspections
1	RP-ORS - OCCUPATIONAL RADIATION SAFETY		1			
1	IP 7112102	ALARA Planning and Controls		06/25/2007	06/29/2007	Baseline Inspections
1	IP 7112102	ALARA Planning and Controls		06/25/2007	06/29/2007	Baseline Inspections
1	IP 71151	Performance Indicator Verification		06/25/2007	06/29/2007	Baseline Inspections
1	EB02/17 - 50.59 & PERMANENT PLANT MODS		5			
1	IP 7111102	Evaluation of Changes, Tests, or Experiments		08/13/2007	08/17/2007	Baseline Inspections
1	IP 711117B	Permanent Plant Modifications		08/13/2007	08/17/2007	Baseline Inspections
1	REQUAL - BIENNIAL REQUALIFICATION		2			
1	IP 711111B	Licensed Operator Requalification Program		08/27/2007	08/31/2007	Baseline Inspections
1	RP TEAM - RADIATION SAFETY TEAM		5			
1	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		09/10/2007	09/14/2007	Baseline Inspections
1	IP 7112201	Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems		09/10/2007	09/14/2007	Baseline Inspections
1	IP 7112202	Radioactive Material Processing and Transportation		09/10/2007	09/14/2007	Baseline Inspections
1	IP 7112203	Radiological Environmental Monitoring Program (REMP) And Radioactive Material Control P		09/10/2007	09/14/2007	Baseline Inspections

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

Grand Gulf
Inspection / Activity Plan
07/01/2006 - 03/31/2008

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start End	Inspection Type
	EPI	- EMERG PREP EXERCISE	3		
1	IP 7111401	Exercise Evaluation		09/17/2007 09/21/2007	Baseline Inspections
1	IP 7111404	Emergency Action Level and Emergency Plan Changes		09/17/2007 09/21/2007	Baseline Inspections
1	IP 71151	Performance Indicator Verification		09/17/2007 09/21/2007	Baseline Inspections
	EB2-52B	- PIR TEAM INSPECTION	5		
1	IP 71152B	Identification and Resolution of Problems		10/01/2007 10/05/2007	Baseline Inspections
1	IP 71152B	Identification and Resolution of Problems		10/29/2007 11/02/2007	Baseline Inspections
	RP-ORS	- OCCUPATIONAL RADIATION SAFETY	1		
1	IP 7112101	Access Control to Radiologically Significant Areas			
1	IP 7112102	ALARA Planning and Controls		11/26/2007 11/30/2007	Baseline Inspections
1	IP 71151	Performance Indicator Verification		11/26/2007 11/30/2007	Baseline Inspections
	EB1-21	- CDB	7		
1	IP 7111121	Component Design Bases Inspection		02/19/2008 02/22/2008	Baseline Inspections
1	IP 7111121	Component Design Bases Inspection		02/25/2008 03/07/2008	Baseline Inspections
	EB2-05T	- TRIENNIAL FIRE PROTECTION	1		
1	IP 7111105T	Fire Protection [Triennial]		03/10/2008 03/14/2008	Baseline Inspections
1	IP 7111105T	Fire Protection [Triennial]		03/24/2008 03/28/2008	Baseline Inspections

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