



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

August 30, 2005

George A. Williams, Site Vice President
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. Williams:

On August 4, 2005, the NRC staff completed its performance review of the Grand Gulf Nuclear Station for the first half of the calendar year 2005 assessment cycle. Our technical staff reviewed performance indicators (PIs) 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 "Exempt from Public Disclosure in Accordance with 10 CFR 2.390" 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 PIs indicating performance at a level requiring no additional NRC oversight (Green). Therefore, we plan to conduct reactor oversight process baseline inspections at your facility through March 31, 2007.

The enclosed inspection plan details the inspections, except those related to physical protection, scheduled through March 31, 2007. 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) 276-6523 with any questions you may have regarding this letter or the inspection plan.

Sincerely,



Wayne C. Walker, 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
Jackson, MS 39201

Jim Hood, Attorney General
State of Mississippi
P.O. Box 22947
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

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

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	Planned Dates End	Inspection Type
1	OB-INIT - INITIAL EXAM		2			
	X02285	GRAND GULF (05/05) - INITIAL EXAM		08/15/2005	08/19/2005	Not Applicable
1	EB17B - PERMANENT PLANT MODS		2			
	IP 7111117B	Permanent Plant Modifications		08/29/2005	09/02/2005	Baseline Inspections
1	RP TEAM - RADIATION SAFETY TEAM INSPECTION		4			
	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		09/12/2005	09/16/2005	Baseline Inspections
	IP 7112201	Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems		09/12/2005	09/16/2005	Baseline Inspections
	IP 7112202	Radioactive Material Processing and Transportation		09/12/2005	09/16/2005	Baseline Inspections
	IP 7112203	Radiological Environmental Monitoring Program (REMP) And Radioactive Material Control F		09/12/2005	09/16/2005	Baseline Inspections
1	EB08B - ISI		2			
	IP 7111108G	Inservice Inspection Activities - BWR		09/26/2005	09/30/2005	Baseline Inspections
1	ACRSA - ACCESS CONTROL TO RAD SIGNIFICANT AREAS		1			
	IP 7112101	Access Control to Radiologically Significant Areas		09/26/2005	09/30/2005	Baseline Inspections
1	ALARA3 - ALARA PLANNING AND CONTROLS		1			
	IP 7112102	ALARA Planning and Controls		12/05/2005	12/09/2005	Baseline Inspections
1	EB - SSD&PC		6			
	IP 7111121	Safety System Design and Performance Capability		02/13/2006	02/17/2006	Baseline Inspections
	IP 7111121	Safety System Design and Performance Capability		02/27/2006	03/03/2006	Baseline Inspections
1	EP2 - EMERG PREP PROGRAM		1			
	IP 7111402	Alert and Notification System Testing		03/20/2006	03/24/2006	Baseline Inspections
	IP 7111403	Emergency Response Organization Augmentation Testing		03/20/2006	03/24/2006	Baseline Inspections
	IP 7111404	Emergency Action Level and Emergency Plan Changes		03/20/2006	03/24/2006	Baseline Inspections
	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies		03/20/2006	03/24/2006	Baseline Inspections
	IP 711151	Performance Indicator Verification		03/20/2006	03/24/2006	Baseline Inspections
1	ALARA1 - ALARA PLANNING AND CONTROLS		1			
	IP 7112102	ALARA Planning and Controls		07/10/2006	07/14/2006	Baseline Inspections
1	ACRSA - ACCESS CONTROL TO RAD SIGNIFICANT AREAS		1			
	IP 7112101	Access Control to Radiologically Significant Areas		07/24/2006	07/28/2006	Baseline Inspections
	IP 711151	Performance Indicator Verification		07/24/2006	07/28/2006	Baseline Inspections
1	PEB - HX PERFORMANCE		1			
	IP 711107B	Heat Sink Performance		12/11/2006	12/15/2006	Baseline Inspections
1	12B - MAINTENANCE RULE INSPECTION		2			
	IP 7111112B	Maintenance Effectiveness		01/15/2007	01/19/2007	Baseline Inspections
1	EXAM - EXAM		1			
	X02328	GRAND GULF INITIAL EXAM (2/5/07)		02/05/2007	02/09/2007	Not Applicable

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

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	End	Inspection Type
1	ALARA2 - ALARA PLANNING AND CONTROLS IP 7112102	ALARA PLANNING AND CONTROLS ALARA Planning and Controls	1	03/19/2007	03/23/2007	Baseline Inspections

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

Electronic distribution by RIV:

Regional Administrator (**BSM1**)

DRP Director (**ATH**)

DRS Director (**DDC**)

DRS Deputy Director (**KMK**)

Senior Resident Inspector (**GBM**)

Branch Chief, DRP/C (**WCW**)

Project Engineer, DRP/C (**RVA**)

Team Leader, DRP/TSS (**RLN1**)

RITS Coordinator (**KEG**)

V. Dricks, PAO (**VLD**)

W. Maier, RSLO (**WAM**)

C. Gordon (**CJG**)

DRS Branch Chiefs (**LJS, MPS1, REL, NFO**)

S. Richards, Chief, NRR/DIPM/IIPB (**SAR**)

M. Case, Deputy Dir. for Inspection and Programs (**MJC**)

B. Sheron, Associate Dir. for Project Licensing and Technical Analysis (**BWS**)

T. Bergman, Chief, TRPS/OEDO (**TAB**)

H. Berkow, Director, LPD4, NRR/DLPM (**HNB**)

D. Terao, Chief, PDIV-1, NRR/DLPM (**DXT**)

B. Vaidya, NRR Project Manager (**BKV**)

SISP Review Completed: wcw ADAMS: Yes No Initials: wcw
 Publicly Available Non-Publicly Available Sensitive Non-Sensitive

S:\DRP\DRPDIR\MIDCYCLE 2005\GG.wpd

RIV:PE:DRP/C	C:DRP/C	D:DRS	D:DRP	C:DRP/C signature
RVAzua	WCWalker	DDChamberlain	ATHowell III	WCWalker
<i>/RA/</i>	<i>/RA/</i>	<i>KMKennedy for</i>	<i>[Signature]</i>	<i>WCWalker</i>
8/17/05	8/17/05	8/25/05	8/26/05	8/29/05

OFFICIAL RECORD COPY

T=Telephone

E=E-mail

F=Fax