



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

March 2, 2007

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

SUBJECT: ANNUAL ASSESSMENT LETTER - GRAND GULF NUCLEAR STATION
(NRC INSPECTION REPORT 05000416/2007001)

Dear Mr. Brian:

On February 6, 2007, the NRC staff completed its performance review of Grand Gulf Nuclear Station. Our technical staff reviewed performance indicators for the most recent quarter and inspection results for the period from January 1 through December 31, 2006. 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 physical protection information. A separate letter designated and marked as "Official Use Only - Security-Related Information" will include the physical protection review and resultant inspection plan.

Overall, Grand Gulf Nuclear Station operated in a manner that preserved public health and safety and fully met all cornerstone objectives. Plant performance for the most recent quarter, as well as for the first three quarters of the assessment cycle, 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 (ROP) baseline inspections at your facility.

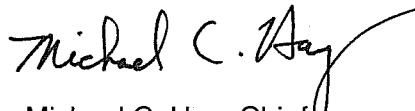
The enclosed inspection plan details the inspections, less those related to physical protection scheduled through September 30, 2008. The inspection plan is provided to allow for the resolution of any scheduling conflicts and personnel availability issues well in advance of inspector arrival onsite. Routine resident inspections are not listed due to their ongoing and continuous nature. The inspections in the last 9 months of the inspection plan are tentative and may be revised at the midcycle review.

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 this 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,



Michael C. Hay, Chief
Project Branch C
Division of Reactor Projects

Docket: 50-416
License: NPF-29

Enclosure:
Grand Gulf Inspection/Activity Plan

cc w/enclosure:

Executive Vice President
and Chief Operating Officer
Entergy Operations, Inc.
P.O. Box 31995
Jackson, MS 39286-1995

Attorney General
Department of Justice
State of Louisiana
P.O. Box 94005
Baton Rouge, LA 70804-9005

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

Office of the Governor
State of Mississippi
Jackson, MS 39205

Attorney General
Assistant Attorney General
State of Mississippi
P.O. Box 22947
Jackson, MS 39225-2947

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

State Health Officer
State Board of Health
P.O. Box 139
Jackson, MS 39205

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

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

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

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

Chairperson
Denton Field Office
Chemical and Nuclear Preparedness
and Protection Division
Office of Infrastructure Protection
Preparedness Directorate
Dept. of Homeland Security
800 North Loop 288
Federal Regional Center
Denton, TX 76201-3698

Radiological Assistance Committee Chair
Chemical and Nuclear Preparedness
and Protection Division
Atlanta Field Office
Dept. of Homeland Security
3003 Chamblee-Tucker Road
Atlanta, GA 30341

Allen Burks
Supervisor, District 1
Claiborne County
2047 Woodvine Road
Lorman, MS 39069

Michael Wells
Supervisor, District 2
Claiborne County
P.O. Box 424
Port Gibson, MS 39150

Mott Headley, Jr.
Supervisor, District 3
Claiborne County
1154 Mott Headley Road
Port Gibson, MS 39150

Martha Lott, Board Vice President
District 4, Claiborne County
P.O. Box 279
Port Gibson, MS 39150

Charles Shorts, President of Board
Supervisor, District 5
Claiborne County
4007 Pine Grove Road
Port Gibson, MS 39150

Gloria Dotson
Claiborne County Chancery Clerk
P.O. Box 449
Port Gibson, MS 39150

Ms. Sammie Lee Good
Claiborne County Circuit Clerk
P.O. Box 549
Port Gibson, MS 39150

Diane Davaul
Claiborne County Tax
Assessor/Collector
P.O. Box 469
Port Gibson, MS 39150

Roderick Devoual, Director
Port Gibson/Claiborne County
Civil Defense
P.O. Box 558
Port Gibson, MS 39150

James Jackson, Sr.
Claiborne County Election Commissioner
District #1
338 Gordon Station Annex
Port Gibson, MS 39150

James Gray
Claiborne County Election Commissioner
District #2
P.O. Box 105
Port Gibson, MS 39150

Gary Knight
Claiborne County Election Commissioner
District #3
116 Willows Lane
Port Gibson, MS 39150

Corlean Hughes
Claiborne County Election Commissioner
District #4
P.O. Box 161
Hermanville, MS 39086

Coney Johnson
Claiborne County Election Commissioner
District 5
5088 Hwy 547
Port Gibson, MS 39150

The Honorable Amelda Arnold
Mayor, Town of Port Gibson
P.O. Box 607
Port Gibson, MS 39150

Sheriff Frank Davis
Claiborne County
P.O. Box 427
Port Gibson, MS 39150

Vanessa Shaifer
City Clerk
P.O. Box 607
Port Gibson, MS 39150

Paul Winfield
City Attorney
1129 Openwood Street
Vicksburg, MS 39183

Eddie Walls, Jr.
Ward 1
P.O. Box 239
Port Gibson, MS 39150

Vera Johnson
Ward 2
605 Greenwood St.
Port Gibson, MS 39150

Kenneth Davis
Ward 3
305 Cedar St.
Port Gibson, MS 39150

Thomas Russum, Alderman
Ward 4
1407 Church Street
Port Gibson, MS 39150

Leslie Case
Ward 5
214 Claremont Drive
Port Gibson, MS 39150

Michael A. White
Ward 6
206 Mimosa St.
Port Gibson, MS 39150

The Honorable Haley Barbour
Governor, State of Mississippi
P.O. Box 139
Jackson, MS 39205

Jim Hood, Attorney General
State of Mississippi
P.O. Box 220
Jackson, MS 39205

Mike Womack, Director
Mississippi Emergency
Management Agency
P.O. Box 4644
Pearl, MS 39208

Jerry Cain, Director
Office of Pollution Control
Department of Environmental Quality
P.O. Box 10385
Jackson, MS 39289

Federal Emergency Management
Agency, Region IV
ATTN: Major Phillip May
Regional Director
3003 Chamblee Tucker Road
Atlanta, GA 30341

Federal Emergency Management Agency
ATTN: William E. Peterson, Regional
Director
Region VI, Federal Center
800 North Loop 288
Denton, TX 76209-3698

The Honorable Edward Brown
Mayor, Town of St. Joseph
P.O. Box 217
St. Joseph, LA 71366

Rick Foster, Director
Tensas Office of Emergency Preparedness
P.O. Box 768
St. Joseph, LA 71366

A. E. Tindell
Board of Alderpersons
District A
P.O. Box 164
St. Joseph, LA 71366

Jack Grace, Jr.
Board of Alderpersons
District B
P.O. Box 75
St. Joseph, LA 71366

Jimmy S. Clark
Board of Alderpersons
District C
P.O. Box 467
St. Joseph, LA 71366

Theodore Jackson
Board of Alderpersons
District D
P.O. Box 701
St. Joseph, LA 71366

Dianne Yarrington
Board of Alderpersons
District E
P.O. Box 782
St. Joseph, LA 71366

Madaline Gibbs
Town Attorney
503 Hancock Street
St. Joseph, LA 71366

Mercedes Williams
Municipal Clerk
P.O. Box 217
St. Joseph, LA 71366

Emmett Adams
Tensas Parish Police Jurors
District 1
P.O. Box 631
Newellton, LA 71357

Danny Clark
Tensas Parish Police Jurors
District 2
P.O. Box 262
Newellton, LA 71357

Jane Netterville, Vice President
Tensas Parish Police Jurors
District 3
Route 1, Box 125-9
St. Joseph, LA 71366

William Trevillion
Tensas Parish Police Jurors
District 4
HC-61, Box 276
Waterproof, LA 71375

Roderick Dale Webb
Tensas Parish Police Jurors
District 5
P.O. Box 516
St. Joseph, LA 71366

Keith Smith
Tensas Parish Police Jurors
District 6
467 Lee Road
Waterproof, LA 71375

Woodrow W. Wiley, Jr., President
Tensas Parish Police Jurors
District 7
P.O. Box 33
Waterproof, LA 71375

The Honorable Alex Davis
Mayor, Town of Newellton
P.O. Box 477
Newellton, LA 71357

Edwin Britt, Pro Tem
Board of Alderpersons
P.O. Box 398
Newellton, LA 71357

Clara Bass
Board of Alderpersons
P.O. Box 266
Newellton, LA 71357

Billy Mitchell, Jr.
Board of Alderpersons
P.O. Box 632
Newellton, LA 71357

Kenneth Morgan
Board of Alderpersons
P.O. Box 684
Newellton, LA 71357

David Delaney
Board of Alderpersons
P.O. Box 621
Newellton, LA 71357

Ronda King
City Clerk
P.O. Box 477
Newellton, LA 71357

Bobby D. Higginbotham, Mayor
Town of Waterproof
P.O. Box 248
Waterproof, LA 71375-0248

Edna Cooper
Town Council Member
955 Kentucky Lane
Waterproof, LA 71375

Elizabeth Cooper
Town Council Member
P.O. Box 69
Waterproof, LA 71375

Lionel Travers
Town Council Member
P.O. Box 132
Waterproof, LA 71375

George Taylor
Town Council Member
P.O. Box 351
Waterproof, LA 71375

Caldwell A. Flood
Town Council Member
P.O. Box 338
Waterproof, LA 71375

Entergy Operations, Inc.

- 7 -

Connie McKeel
Clerk
P.O. Box 139
Waterproof, LA 71375

The Honorable Kathleen Blanco
Governor, State of Louisiana
P.O. Box 94004
Baton Rouge, LA 70804-9004

Jeffrey P. Meyers, Division Administrator
Emergency & Radiological Services Div.
Louisiana Dept. of Environmental Quality
P.O. Box 4312
Baton Rouge, LA 70821-4312

Richard Penrod
State Liaison Officer
Department of Environmental Quality
P.O. Box 4301
Baton Rouge, LA 70821-4301

Col. Jeff Smith, Acting Director
Louisiana Office of Homeland Security and
Emergency Preparedness
7667 Independence Blvd.
Baton Rouge, LA 70806

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

**Grand Gulf
Inspection / Activity Plan
01/01/2007 - 09/30/2008**

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Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	Planned Dates End	Inspection Type
1	EB2-12T - MAINTENANCE RULE INSPECTION		1	01/22/2007	01/26/2007	Baseline Inspections
	IP 7111112B	Maintenance Effectiveness				
1	BRQ SIM - BIENNIAL REQUAL SIM ONLY		1	01/22/2007	01/26/2007	Baseline Inspections
	IP 7111111B	Licensed Operator Requalification Program				
1	SP-EDG - SPECIAL INSP. GG EDG THERM. VALVE FAILUR		2	02/08/2007	03/12/2007	Event Response Insp
	IP 93812	Special Inspection				
	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)		05/21/2007	05/25/2007	Not Applicable
	EB1-08G - ISI		1			
1	IP 7111108G	Inservice Inspection Activities - BWR		03/26/2007	03/30/2007	Baseline Inspections
	RP-ORS3 - OCCUPATIONAL RADIATION SAFETY-ACCESS		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
	RP-ORS4 - OCCUPATIONAL RADIATION SAFETY-ALARA		1			
1	IP 7112101	Access Control to Radiologically Significant Areas		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
	EB02/17 - 50.59 & PERMANENT PLANT MODS		3			
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
	EB1-2/17 - 50.59 & PERMANENT PLANT MODS		3			
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
	REQUAL - BIENNIAL REQUALIFICATION		2			
1	IP 7111111B	Licensed Operator Requalification Program		08/27/2007	08/31/2007	Baseline Inspections
	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 F		09/10/2007	09/14/2007	Baseline Inspections
	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

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

Grand Gulf
Inspection / Activity Plan
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Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start End	Inspection Type
	EP1 - EMERG PREP EXERCISE		3		
1	IP 71151	Performance Indicator Verification		09/17/2007 09/21/2007	Baseline Inspections
	EB2-52B - PIR TEAM INSPECTION		4		
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-ORS5 - OCCUPATIONAL RADIATION SAFETY-ALARA		1		
1	IP 7112101	Access Control to Radiologically Significant Areas		11/26/2007 11/30/2007	Baseline Inspections
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		02/11/2008 02/15/2008	Baseline Inspections
1	IP 7111121	Component Design Bases Inspection		02/25/2008 03/07/2008	Baseline Inspections
	EB2-05T - TRIENNIAL FIRE PROTECTION		4		
1	IP 7111105T	Fire Protection [Triennial]		03/17/2008 03/21/2008	Baseline Inspections
1	IP 7111105T	Fire Protection [Triennial]		03/31/2008 04/04/2008	Baseline Inspections
1	IP 7111105T	Fire Protection [Triennial]		04/14/2008 04/18/2008	Baseline Inspections
	RP-ORS1 - OCCUPATIONAL RADIATION SAFETY-ALARA		1		
1	IP 7112101	Access Control to Radiologically Significant Areas		05/12/2008 05/16/2008	Baseline Inspections
1	IP 7112102	ALARA Planning and Controls		05/12/2008 05/16/2008	Baseline Inspections
1	IP 71151-OR01	Occupational Exposure Control Effectiveness		05/12/2008 05/16/2008	Baseline Inspections
1	IP 71151-PR01	RETS/ODCM Radiological Effluent		05/12/2008 05/16/2008	Baseline Inspections
	EB2-07B - BIENNIAL HEAT SINK INSPECTION		1		
1	IP 7111107B	Heat Sink Performance		06/16/2008 06/20/2008	Baseline Inspections
	EP2 - EP PROGRAM		1		
1	IP 7111402	Alert and Notification System Testing		07/07/2008 07/11/2008	Baseline Inspections
1	IP 7111403	Emergency Response Organization Augmentation Testing		07/07/2008 07/11/2008	Baseline Inspections
1	IP 7111404	Emergency Action Level and Emergency Plan Changes		07/07/2008 07/11/2008	Baseline Inspections
1	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies		07/07/2008 07/11/2008	Baseline Inspections
1	IP 71151-EP01	Drill/Exercise Performance		07/07/2008 07/11/2008	Baseline Inspections
1	IP 71151-EP02	ERO Drill Participation		07/07/2008 07/11/2008	Baseline Inspections
1	IP 71151-EP03	Alert & Notification System		07/07/2008 07/11/2008	Baseline Inspections
	EXAM - INITIAL EXAMINATION		3		
1	X02379	GRAND GULF-INITIAL EXAM (08-11-08)		07/14/2008 07/18/2008	Not Applicable
1	X02379	GRAND GULF-INITIAL EXAM (08-11-08)		08/11/2008 08/15/2008	Not Applicable

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 Inspection / Activity Plan
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Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	Planned Dates End	Inspection Type
1	EB1-08B - ISI IP 7111108G	Inservice Inspection Activities - BWR	1	09/29/2008	10/03/2008	Baseline Inspections
1	RP-ORS2 - OCCUPATIONAL RADIATION SAFETY-ACCESS IP 7112101	Access Control to Radiologically Significant Areas	1	09/29/2008	10/03/2008	Baseline Inspections
1	IP 7112102	ALARA Planning and Controls		09/29/2008	10/03/2008	Baseline Inspections
1	IP 71151-OR01	Occupational Exposure Control Effectiveness		09/29/2008	10/03/2008	Baseline Inspections
1	IP 71151-PR01	RETS/ODCM Radiological Effluent		09/29/2008	10/03/2008	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 (**RJC1**)
 Senior Resident Inspector (**GBM**)
 Branch Chief, DRP/C (**MCH2**)
 Senior Project Engineer, DRP/C (**WCW**)
 Team Leader, DRP/TSS (**FLB2**)
 RITS Coordinator (**MSH3**)
 V. Dricks, PAO (**VLD**)
 W. Maier, RSLO (**WAM**)
 L. Owen, RA Secretary (**LAO**)
 DRS Branch Chiefs (**WBJ, ATG, LJS, MPS1**)
 C. Miller, Chief, TRPS, OEDO (**CGM**)
 S. Richards, Deputy Director, DIRS, NRR (**SAR**)
 J. Lubinski, Deputy Director, DORL, NRR (**JWL**)
 C. Haney, Director, DORL, NRR (**CXH**)
 D. Terao, Chief, PLB IV, DORL, NRR (**DXT**)
 B. Vaidya, NRR Project Manager (**BKV**)
RidsNrrDirslpab@nrc.gov
ROPreports@nrc.gov

SUNSI Review Completed: __mch__ ADAMS: Yes No Initials: __mch__
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R:\ REACTORS\EOC and Midcycle\EOC Assessment Letters\2006 - dated 3-2-07\GG

RIV:C:DRP/C	D:DRS	D:DRP	C:DRP/C Signature
MCHay;df	DDChamberlain	ATHowell III	MCHay
<i>/RA/</i>	<i>/RA/</i>	<i>A Vogel for</i>	<i>/RA/</i>
2/26/07	2/23/07	2/25/07	3/2/07

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E=E-mail

F=Fax