August 27, 2003

Jeff S. Forbes, Site Vice President
Grand Gulf Nuclear Station
Entergy Operations, Inc.
P.O. Box 756
Port Gibson, Mississippi 39150

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

Dear Mr. Forbes:

On August 5, 2003, the NRC staff completed its midcycle plant performance assessment of Grand Gulf Nuclear Station. The midcycle review for Grand Gulf Nuclear Station involved the participation of all technical divisions in evaluating performance indicators (PIs) for the most recent quarter and inspection results for the first half of the current assessment cycle, January 1 through June 30, 2003. 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 so that you will have an opportunity to prepare for these inspections and to inform us of any planned inspections which may conflict with your plant activities.

Plant performance for the most recent quarter 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 only baseline inspections at your facility through September 30, 2004.

The enclosed inspection plan details the inspections scheduled through September 30, 2004. The inspection plan is provided to minimize the resource impact on your staff and to allow for scheduling conflicts and personnel availability to be resolved in advance of inspector arrival onsite. Routine resident inspections are not listed due to their ongoing and continuous nature. The inspections in the last 6 months of the inspection plan are tentative and may be revised at the end-of-cycle review meeting.

In accordance with 10 CFR 2.790 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 817/860-8148 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

/RA/

W. D. Johnson, Chief
Project Branch A
Division of Reactor Projects

Docket: 50-416
License: NPF-29

Enclosure:
Grand Gulf Nuclear Station
Inspection/Activity Plan

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

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

Winston & Strawn
1400 L Street, N.W. - 12th Floor
Washington, DC 20005-3502

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

President, District 1
Claiborne County Board of Supervisors
P.O. Box 339
Entergy Operations, Inc.

Port Gibson, Mississippi 39150

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

The Honorable Richard Ieyoub
Attorney General
Department of Justice
State of Louisiana
P.O. Box 94005
Baton Rouge, Louisiana 70804-9005

Office of the Governor
State of Mississippi
Jackson, Mississippi 39201

Mike Moore, Attorney General
Frank Spencer, Asst. Attorney General
State of Mississippi
P.O. Box 22947
Jackson, Mississippi 39225

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

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

Vice President
Operations Support
Entergy Operations, Inc.
P.O. Box 31995
Jackson, Mississippi 39286-1995

Director, Nuclear Safety and Regulatory Affairs
Entergy Operations, Inc.
P.O. Box 756
Charlie Norrell  
Supervisor, District 2  
Claiborne County  
1045 Magnolia Lane  
Port Gibson, Mississippi 39150

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

Martha Lott, Supervisor  
District 4, Claiborne County  
P.O. Box 279  
Port Gibson, Mississippi 39150

Mary Jones  
Claiborne County Interim Tax Assessor/Collector  
P.O. Box 469  
Port Gibson, Mississippi 39150

The Honorable Amelda Arnold  
Mayor, Town of Port Gibson  
P.O. Box 466  
Port Gibson, Mississippi 39150

Robert R. Latham, Jr., Director  
Mississippi Emergency Management Agency  
P.O. Box 4501, Fondren Station  
Jackson, Mississippi 39296-4501

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

The Honorable Alex Davis  
Mayor, Town of Newellton  
P.O. Box 477  
Newellton, Louisiana 71357
Rick Foster, Director
Tensas Office of Emergency Preparedness
P.O. Box 768
St. Joseph, Louisiana  71366

Mike Henry
State Liaison Officer
Department of Environmental Quality
P.O. Box 82135
Baton Rouge, Louisiana  70884-2135

Federal Emergency Management
Agency, Region IV
ATTN:  Kenneth O. Burris, Jr.
Regional Director
3003 Chamblee Tucker Road
Atlanta, Georgia  30341

Col. Michael Brown
Assistant Director
Military Department
Office of Emergency Preparedness
P.O. Box 44217
Baton Rouge, Louisiana  70804

Federal Emergency Management Agency
Ron Castleman, Regional Director
Region VI, Federal Center
800 North Loop 288
Denton, Texas  76201-3698

Albert Butler, President of Board
Supervisor, District 1
Claiborne County
P.O. Box 614
Port Gibson, Mississippi  39150

William Moore
Supervisor, District 3
Claiborne County
P.O. Box 645
Port Gibson, Mississippi  39150

Eddie Walls, Jr.
P.O. Box 239
Port Gibson, Mississippi  39150
Vera Johnson  
Ward 2  
605 Greenwood St.  
Port Gibson, Mississippi  39150

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

Thomas Russum  
Ward 4  
P.O. Box 400  
Port Gibson, Mississippi  39150

Robert Ritchey, Jr.  
Ward 5  
109 Woodstock St.  
Port Gibson, Mississippi  39150

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

Cathi Dodgen  
City Clerk  
1064 Old Colony Road  
Port Gibson, Mississippi  39150

Melvin H. McFatter  
City Attorney  
617 Market St.  
Port Gibson, Mississippi  39150

Bobbie Young, Director  
Port Gibson/Claiborne County  
Civil Defense  
P.O. Box 558  
Port Gibson, Mississippi  39150

James Johnson  
Claiborne County Election Commissioner,  
District #1  
338 Gordon Station Annex  
Port Gibson, Mississippi  39150
James Gray  
Claiborne County Election Commissioner,  
District #2  
P.O. Box 105  
Port Gibson, Mississippi  39150

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

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

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

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

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

Telma Bradford  
Board of Alderpersons  
District D  
P.O. Box 127  
St. Joseph, Louisiana  71366

Greg Neuroth  
Board of Alderpersons  
District E  
P.O. Box 242  
St. Joseph, Louisiana  71366
Phil Watson
Town Attorney
P.O. Box 26
St. Joseph, Louisiana  71366

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

Maria Cooper, Mayor
Town of Waterproof
P.O. Box 35
Waterproof, Louisiana  71375

Robert Bethel, III
Town Council Member
P.O. Box 135
Waterproof, Louisiana  71375

Bertha Brown
Town Council Member
P.O. Box 576
Waterproof, Louisiana  71375

Clara Robinson
Town Council Member
P.O. Box 121
Waterproof, Louisiana  71375

Herbert Williams
Town Council Member
P.O. Box 106
Waterproof, Louisiana  71375

Ervin Sell
Town Council Member
P.O. Box 366
Waterproof, Louisiana  71375

Connie McKeel
Town Council Member
P.O. Box 139
Waterproof, Louisiana  71375
Rufus Merritt
Tensas Parish Police Jurors
District 1
Rt. 12, Box 65
Newellton, Louisiana 71357

Sam Dillard
Tensas Parish Police Jurors
District 2
P.O. Box 131
Newellton, Louisiana 71357

James Nicholson, President
Tensas Parish Police Jurors
District 3
P.O. Box 196
St. Joseph, Louisiana 71366

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

Ples Bell
Tensas Parish Police Jurors
District 5
P.O. Box 384
St. Joseph, Louisiana 71366

Thomas Hale
Tensas Parish Police Jurors
District 6
HC-61, Box 162
Waterproof, Louisiana 71375

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

Edwin Britt, Pro Tem
Board of Alderpersons
P.O. Box 398
Newellton, Louisiana 71357
Entergy Operations, Inc.  

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

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

Kent Morgan  
Board of Alderpersons  
P.O. Box 684  
Newellton, Louisiana  71357  

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

James Paxton  
Town Attorney  
P.O. Box 97  
St. Joseph, Louisiana  71366  

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

The Honorable Ronnie Musgrove  
Governor, Office of the Governor  
State of Mississippi  
Jackson, Mississippi  39201  

Mike Moore, Attorney General  
State of Mississippi  
P.O. Box 220  
Jackson, Mississippi  39205  

Frank Spencer, Asst. Attorney General  
State of Mississippi  
P.O. Box 220  
Jackson, Mississippi  39205
Dr. F. E. Thompson, Jr.
State Health Officer
State Board of Health
P.O. Box 1700
Jackson, Mississippi 39205

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

Phil Bass, Director
Office of Pollution control
Department of Environmental Quality
P.O. Box 10385
Jackson, Mississippi 39209

Mike Foster, Jr., Governor
Office of the Governor
P.O. Box 94004
State of Louisiana
Baton Rouge, Louisiana 70804-9004

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

Cris Roberie
Department of Environmental Quality
P.O. Box 82135
Baton Rouge, Louisiana 70884-2135

Coney Johnson
Claiborne County Election Commissioner
District 5
5088 Hwy. 547
Port Gibson, Mississippi 39150
<table>
<thead>
<tr>
<th>Unit Number</th>
<th>Inspection Activity</th>
<th>Title</th>
<th>No. of Staff on Site</th>
<th>Planned Dates Start</th>
<th>Planned Dates End</th>
<th>Inspection Type</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>OPS - REQUALIFICATION INSPECTION</td>
<td></td>
<td>1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>IP 7111111B</td>
<td>Licensed Operator Requalification</td>
<td></td>
<td>08/04/2003</td>
<td>09/26/2003</td>
<td>Baseline Inspections</td>
</tr>
<tr>
<td></td>
<td>EMB - PERMANENT MODS</td>
<td></td>
<td>2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>IP 7111117B</td>
<td>Permanent Plant Modifications</td>
<td></td>
<td>08/11/2003</td>
<td>08/15/2003</td>
<td>Baseline Inspections</td>
</tr>
<tr>
<td></td>
<td>ALARAR3 - ALARA PLANNING AND CONTROLS</td>
<td></td>
<td>1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>IP 7112102</td>
<td>ALARA Planning and Controls</td>
<td></td>
<td>08/25/2003</td>
<td>08/29/2003</td>
<td>Baseline Inspections</td>
</tr>
<tr>
<td></td>
<td>PSB-EP1 - EP EXERCISE INSPECTION</td>
<td></td>
<td>3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>IP 711401</td>
<td>Exercise Evaluation</td>
<td></td>
<td>09/15/2003</td>
<td>09/19/2003</td>
<td>Baseline Inspections</td>
</tr>
<tr>
<td></td>
<td>IP 711404</td>
<td>Emergency Action Level and Emergency Plan Changes</td>
<td></td>
<td>09/15/2003</td>
<td>09/19/2003</td>
<td>Baseline Inspections</td>
</tr>
<tr>
<td></td>
<td>IP 71151</td>
<td>Performance Indicator Verification</td>
<td></td>
<td>09/15/2003</td>
<td>09/19/2003</td>
<td>Baseline Inspections</td>
</tr>
<tr>
<td></td>
<td>PSBS1-TD - SECURITY BASELINE INSPECTION</td>
<td></td>
<td>2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>RP-TM - RAD SAFETY TEAM</td>
<td></td>
<td>4</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>IP 7112103</td>
<td>Radiation Monitoring Instrumentation and Protective Equipment</td>
<td></td>
<td>11/10/2003</td>
<td>11/14/2003</td>
<td>Baseline Inspections</td>
</tr>
<tr>
<td></td>
<td>IP 7112201</td>
<td>Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems</td>
<td></td>
<td>11/10/2003</td>
<td>11/14/2003</td>
<td>Baseline Inspections</td>
</tr>
<tr>
<td></td>
<td>IP 7112202</td>
<td>Radioactive Material Processing and Transportation</td>
<td></td>
<td>11/10/2003</td>
<td>11/14/2003</td>
<td>Baseline Inspections</td>
</tr>
<tr>
<td></td>
<td>IP 7112203</td>
<td>Radiological Environmental Monitoring Program</td>
<td></td>
<td>11/10/2003</td>
<td>11/14/2003</td>
<td>Baseline Inspections</td>
</tr>
<tr>
<td></td>
<td>EMB - SSD&amp;PC</td>
<td></td>
<td>5</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>IP 7111121</td>
<td>Safety System Design and Performance Capability</td>
<td></td>
<td>01/12/2004</td>
<td>01/16/2004</td>
<td>Baseline Inspections</td>
</tr>
<tr>
<td></td>
<td>IP 7111121</td>
<td>Safety System Design and Performance Capability</td>
<td></td>
<td>01/26/2004</td>
<td>01/30/2004</td>
<td>Baseline Inspections</td>
</tr>
<tr>
<td></td>
<td>EMB - CHANGE, TESTS, AND EXPERIMENTS</td>
<td></td>
<td>2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>IP 7111102</td>
<td>Evaluation of Changes, Tests, or Experiments</td>
<td></td>
<td>01/12/2004</td>
<td>01/16/2004</td>
<td>Baseline Inspections</td>
</tr>
<tr>
<td></td>
<td>OB-IN - INITIAL EXAM</td>
<td></td>
<td>3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>X02237</td>
<td>GRAND GULF - INITIAL EXAM (09/03)</td>
<td></td>
<td>01/26/2004</td>
<td>01/30/2004</td>
<td>Not Applicable</td>
</tr>
<tr>
<td></td>
<td>X02237</td>
<td>GRAND GULF - INITIAL EXAM (09/03)</td>
<td></td>
<td>02/23/2004</td>
<td>02/27/2004</td>
<td>Not Applicable</td>
</tr>
<tr>
<td></td>
<td>ACCESSPI - ACRSA/PIV</td>
<td></td>
<td>1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>IP 7112101</td>
<td>Access Control to Radiologically Significant Areas</td>
<td></td>
<td>03/01/2004</td>
<td>03/05/2004</td>
<td>Baseline Inspections</td>
</tr>
<tr>
<td></td>
<td>EMB - INSERVICE INSPECTION ACTIVITIES</td>
<td></td>
<td>1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>IP 7111108G</td>
<td>Inservice Inspection Activities - BWR</td>
<td></td>
<td>04/05/2004</td>
<td>04/09/2004</td>
<td>Baseline Inspections</td>
</tr>
<tr>
<td></td>
<td>ALARAR1 - ALARA PLANNING AND CONTROLS</td>
<td></td>
<td>1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>IP 7112102</td>
<td>ALARA Planning and Controls</td>
<td></td>
<td>05/17/2004</td>
<td>05/21/2004</td>
<td>Baseline Inspections</td>
</tr>
<tr>
<td></td>
<td>PSB-EP1 - EP PROGRAM INSPECTION</td>
<td></td>
<td>1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>IP 7111402</td>
<td>Alert and Notification System Testing</td>
<td></td>
<td>05/24/2004</td>
<td>05/28/2004</td>
<td>Baseline Inspections</td>
</tr>
</tbody>
</table>

This report does not include INPO and OUTAGE activities. This report shows only on-site and announced inspection procedures.
### Grand Gulf
### Inspection / Activity Plan
### 08/01/2003 - 09/30/2004

<table>
<thead>
<tr>
<th>Unit Number</th>
<th>Inspection Activity</th>
<th>Title</th>
<th>No. of Staff on Site</th>
<th>Planned Dates Start</th>
<th>Planned Dates End</th>
<th>Inspection Type</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>PSB-EP1</td>
<td>- EP PROGRAM INSPECTION</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>IP 7111403</td>
<td>Emergency Response Organization Augmentation Testing</td>
<td></td>
<td>05/24/2004</td>
<td>05/28/2004</td>
<td>Baseline Inspections</td>
</tr>
<tr>
<td>1</td>
<td>IP 7111404</td>
<td>Emergency Action Level and Emergency Plan Changes</td>
<td></td>
<td>05/24/2004</td>
<td>05/28/2004</td>
<td>Baseline Inspections</td>
</tr>
<tr>
<td>1</td>
<td>IP 7111405</td>
<td>Correction of Emergency Preparedness Weaknesses and Deficiencies</td>
<td></td>
<td>05/24/2004</td>
<td>05/28/2004</td>
<td>Baseline Inspections</td>
</tr>
<tr>
<td>1</td>
<td>IP 71151</td>
<td>Performance Indicator Verification</td>
<td></td>
<td>05/24/2004</td>
<td>05/28/2004</td>
<td>Baseline Inspections</td>
</tr>
<tr>
<td></td>
<td>ALARA2</td>
<td>- ALARA PLANNING AND CONTROLS</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>IP 7112102</td>
<td>ALARA Planning and Controls</td>
<td></td>
<td>07/26/2004</td>
<td>07/30/2004</td>
<td>Baseline Inspections</td>
</tr>
</tbody>
</table>

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