



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:
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and Chief Operating Officer
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| 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 |
| | EB17B - PERMANENT PLANT MODS | | 2 | | | |
| 1 | IP 7111117B | Permanent Plant Modifications | | 08/29/2005 | 09/02/2005 | Baseline Inspections |
| | RP TEAM - RADIATION SAFETY TEAM INSPECTION | | 4 | | | |
| 1 | IP 7112103 | Radiation Monitoring Instrumentation and Protective Equipment | | 09/12/2005 | 09/16/2005 | Baseline Inspections |
| 1 | IP 7112201 | Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems | | 09/12/2005 | 09/16/2005 | Baseline Inspections |
| 1 | IP 7112202 | Radioactive Material Processing and Transportation | | 09/12/2005 | 09/16/2005 | Baseline Inspections |
| 1 | IP 7112203 | Radiological Environmental Monitoring Program (REMP) And Radioactive Material Control F | | 09/12/2005 | 09/16/2005 | Baseline Inspections |
| | EB08B - ISI | | 2 | | | |
| 1 | IP 7111108G | Inservice Inspection Activities - BWR | | 09/26/2005 | 09/30/2005 | Baseline Inspections |
| | ACRSA - ACCESS CONTROL TO RAD SIGNIFICANT AREAS | | 1 | | | |
| 1 | IP 7112101 | Access Control to Radiologically Significant Areas | | 09/26/2005 | 09/30/2005 | Baseline Inspections |
| | ALARA3 - ALARA PLANNING AND CONTROLS | | 1 | | | |
| 1 | IP 7112102 | ALARA Planning and Controls | | 12/05/2005 | 12/09/2005 | Baseline Inspections |
| | EB - SSD&PC | | 6 | | | |
| 1 | IP 7111121 | Safety System Design and Performance Capability | | 02/13/2006 | 02/17/2006 | Baseline Inspections |
| 1 | IP 7111121 | Safety System Design and Performance Capability | | 02/27/2006 | 03/03/2006 | Baseline Inspections |
| | EP2 - EMERG PREP PROGRAM | | 1 | | | |
| 1 | IP 7111402 | Alert and Notification System Testing | | 03/20/2006 | 03/24/2006 | Baseline Inspections |
| 1 | IP 7111403 | Emergency Response Organization Augmentation Testing | | 03/20/2006 | 03/24/2006 | Baseline Inspections |
| 1 | IP 7111404 | Emergency Action Level and Emergency Plan Changes | | 03/20/2006 | 03/24/2006 | Baseline Inspections |
| 1 | IP 7111405 | Correction of Emergency Preparedness Weaknesses and Deficiencies | | 03/20/2006 | 03/24/2006 | Baseline Inspections |
| 1 | IP 711151 | Performance Indicator Verification | | 03/20/2006 | 03/24/2006 | Baseline Inspections |
| | ALARA1 - ALARA PLANNING AND CONTROLS | | 1 | | | |
| 1 | IP 7112102 | ALARA Planning and Controls | | 07/10/2006 | 07/14/2006 | Baseline Inspections |
| | ACRSA - ACCESS CONTROL TO RAD SIGNIFICANT AREAS | | 1 | | | |
| 1 | IP 7112101 | Access Control to Radiologically Significant Areas | | 07/24/2006 | 07/28/2006 | Baseline Inspections |
| 1 | IP 711151 | Performance Indicator Verification | | 07/24/2006 | 07/28/2006 | Baseline Inspections |
| | PEB - HX PERFORMANCE | | 1 | | | |
| 1 | IP 7111107B | Heat Sink Performance | | 12/11/2006 | 12/15/2006 | Baseline Inspections |
| | 12B - MAINTENANCE RULE INSPECTION | | 2 | | | |
| 1 | IP 7111112B | Maintenance Effectiveness | | 01/15/2007 | 01/19/2007 | Baseline Inspections |
| | EXAM - EXAM | | 1 | | | |
| 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 | Planned Dates 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**)

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DRS Director (**DDC**)

DRS Deputy Director (**KMK**)

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

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

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| 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 |

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