



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION IV  
612 EAST LAMAR BLVD, SUITE 400  
ARLINGTON, TEXAS 76011-4125

February 8, 2010

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

Subject: GRAND GULF – NOTIFICATION OF INSPECTION (NRC INSPECTION  
REPORT 05000416/2010003) AND REQUEST FOR INFORMATION

Dear Mr. Douet:

From May 7 through May 14, 2010, reactor inspectors from the Nuclear Regulatory Commission's (NRC) Region IV office will perform the baseline inservice inspection at Grand Gulf Nuclear Station, using NRC Inspection Procedure 71111.08. Experience has shown that this inspection is a resource intensive inspection both for the NRC inspectors and your staff. In order to minimize the impact to your onsite resources and to ensure a productive inspection, we have enclosed a request for documents needed for this inspection. These documents have been divided into two groups. The first group (Section A of the enclosure) identified information to be provided prior to the inspection to ensure that the inspectors are adequately prepared. The second group (Section B of the enclosure) identifies the information the inspectors will need upon arrival at the site. It is important that all of these documents are up-to-date and complete in order to minimize the number of additional documents requested during the preparation and/or the onsite portions of the inspection.

We have discussed the schedule for these inspection activities with your staff and understand that our regulatory contact for this inspection will be Mr. Dennis Coulter of your licensing organization. Our inspection dates are subject to change based on your updated schedule of outage activities. If there are any questions about this inspection or the material requested, please contact Jim Drake, the lead inspector, at (817) 276-6558 ([James.Drake@nrc.gov](mailto:James.Drake@nrc.gov)).

This letter does not contain new or amended information collection requirements subject to the Paperwork Reduction Act of 1995 (44 U.S.C. 3501 et seq.). Existing information collection requirements were approved by the Office of Management and Budget, control number 3150-0011. The NRC may not conduct or sponsor, and a person is not required to respond to, a request for information or an information collection requirement unless the requesting document displays a currently valid Office of Management and Budget control number.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter and its enclosure will be 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).

Sincerely,

**/RA/**

Gregory Werner, Chief  
Plant Support Branch 2  
Division of Reactor Safety

Docket: 50-416  
License: NPF-29

Enclosure:  
Inservice Inspection Document Request

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Grand Gulf Nuclear Station

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Grand Gulf Nuclear Station

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 ROP reports

SUNSI Review Completed: ☒ Y ☐ N ADAMS: ☒ Yes ☐ No Initials: JFD  
☒ Publicly Available ☐ Non-Publicly Available ☐ Sensitive ☒ Non-Sensitive

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|----------|----------|--|--|--|
| JDrake   | GWerner  |  |  |  |
| /RA/     | /RA/     |  |  |  |
| 2/3/2010 | 2/8/2010 |  |  |  |

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## INSERVICE INSPECTION DOCUMENT REQUEST

Inspection Dates: May 7 through May 14, 2010

Inspection Procedures: IP 71111.08 "Inservice Inspection (ISI) Activities"

Inspectors: Jim Drake, Senior Reactor Inspector (Lead Inspector - ISI)  
Megan Williams, Reactor Inspector

### A. Information Requested for the In-Office Preparation Week

The following information should be sent to the Region IV office in hard copy or electronic format (ims.certrec.com preferred), in care of Jim Drake, by March 12, 2010, to facilitate the selection of specific items that will be reviewed during the onsite inspection week. The inspector will select specific items from the information requested below and then request from your staff additional documents needed during the onsite inspection week (Section B of this enclosure). We ask that the specific items selected from the lists be available and ready for review on the first day of inspection. \*Please provide requested documentation electronically if possible. If requested documents are large and only hard copy formats are available, please inform the inspector(s), and provide subject documentation during the first day of the onsite inspection. If you have any questions regarding this information request, please call the inspector as soon as possible.

#### A.1 ISI/Welding Programs and Schedule Information

a) A detailed schedule (including preliminary dates) of:

- i) Nondestructive examinations (NDEs) planned for Class 1 & 2 systems and containment, performed as part of your ASME Section XI, Risk Informed (if applicable), and augmented ISI programs during the upcoming outage.

Provide a status summary of the NDE inspection activities vs. the required inspection period percentages for this Interval by category per ASME Section XI, IWX-2400 (Do not provide separately if other documentation requested contains this information)

- ii) Welding activities that are scheduled to be completed during the upcoming outage (ASME Class 1, 2, or 3 structures, systems, or components (SSCs))

b) A copy of ASME Section XI Code Relief Requests and associated NRC Safety Evaluations applicable to the examinations identified above.

- c) A list of NDE reports (ultrasonic, radiography, magnetic particle, dye penetrate, Visual VT-1, VT-2, and VT-3), which have identified relevant conditions on Code Class 1 & 2 systems since the beginning of the last refueling outage. This should include the previous Section XI pressure test(s) conducted during start up and any evaluations associated with the results of the pressure tests. The list of NDE reports should include a brief description of the SSC where the relevant condition was identified.
- d) A list with a brief description (e.g., system, material, pipe size, weld number, and NDE performed) of the welds in Code Class 1 and 2 systems which have been fabricated due to component repair/replacement activities since the beginning of the last refueling outage, or are planned to be fabricated this refueling outage.
- e) If reactor vessel weld examinations required by the ASME Code are scheduled to occur during the upcoming outage, provide a detailed description of the welds to be examined and the extent of the planned examination. Please also provide reference numbers for applicable procedures that will be used to conduct these examinations.
- f) Copy of any 10 CFR Part 21 reports applicable to your SSCs within the scope of Section XI of the ASME Code that have been identified since the beginning of the last refueling outage.
- g) A list of any temporary non-code repairs in service (e.g., pinhole leaks).
- h) Please provide copies of the most recent self-assessments for the ISI, Welding, and Alloy 600 Programs.

#### A.2 Additional information related to all ISI activities

- a) A list with a brief description of ISI inspection related issues (e.g., condition reports) entered into your corrective action program since the beginning of the last refueling outage (for the applicable unit). For example, a list based upon data base searches using key words related to piping, such as: ISI, ASME Code, Section XI, NDE, cracks, wear, thinning, leakage, rust, corrosion or errors in piping/NDE examinations.
- b) Please provide names and phone numbers for the following program leads:  
  - ISI contacts (Examination, planning)
  - Containment Exams
  - Snubbers and Supports
  - Repair and Replacement Program Manager
  - Licensing Contact
  - Site Welding Engineer

B. Information to be provided onsite to the inspector(s) at the entrance meeting (May 7, 2010):

B.1 ISI / Welding Programs and Schedule Information

- a) Updated schedules for ISI/NDE activities, planned welding activities, and schedule showing contingency repair plans, if available.
- b) For ASME Code Class 1 and 2 welds selected by the inspector from the lists provided from section A of this enclosure, please provide copies of the following documentation for each subject weld:
  - i) Weld data sheet (traveler)
  - ii) Weld configuration and system location
  - iii) Applicable Code Edition and Addenda for weldment
  - iv) Applicable Code Edition and Addenda for welding procedures
  - v) Applicable weld procedures (WPS) used to fabricate the welds
  - vi) Copies of procedure qualification records (PQRs) supporting the WPS from B.1.b.v
  - vii) Copies of mechanical test reports identified in the PQRs above
  - viii) Copies of the nonconformance reports for the selected welds (If applicable)
  - ix) Radiographs of the selected welds and access to equipment to allow viewing radiographs (If RT was performed)
  - x) Copies of the preservice examination records for the selected welds.
  - xi) Copies of welder performance qualifications records applicable to the selected welds, including documentation that welder maintained proficiency in the applicable welding processes specified in the WPS (at least six months prior to the date of subject work)
  - xii) Copies of NDE personnel qualifications (VT, PT, UT, RT), as applicable
- c) For the ISI-related corrective action issues selected by the inspector(s) from section A of this enclosure, provide a copy of the corrective actions and supporting documentation.
- d) For the NDE reports with relevant conditions on Code Class 1 & 2 systems selected by the inspector from section A above, provide a copy of the examination records, examiner qualification records, and associated corrective action documents.
- e) A copy of (or ready access to) most current revision of the ISI Program Manual and Plan for the current Interval.
- f) For the NDEs selected by the inspector from section A of this enclosure, provide copy of the NDE procedures used to perform the examinations (including calibration and flaw characterization/sizing procedures). For ultrasonic examination procedures qualified in accordance with ASME Code, Section XI, Appendix VIII, provide documentation supporting the procedure qualification



(e.g., the EPRI performance demonstration qualification summary sheets). Also, include qualification documentation of the specific equipment to be used (e.g., ultrasonic unit, cables, and transducers including serial numbers) and NDE personnel qualification records.

## B.2 Codes and Standards

- a) Ready access to (i.e., copies provided to the inspector(s) for use during the inspection at the onsite inspection location, or room number and location where available):
  - i) Applicable Editions of the ASME Code (Sections V, IX and XI) for the inservice inspection program and the repair/replacement program.
  - ii) Any other applicable EPRI and industry standards referenced in the plant procedures for welding and NDE activities.

### Inspector Contact Information:

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