

October 11, 2006

Mr. Joseph E. Venable
Vice President Operations
Entergy Operations, Inc.
17265 River Road
Killona, LA 70066-0751

SUBJECT: WATERFORD STEAM ELECTRIC STATION, UNIT 3 - REQUEST FOR
ADDITIONAL INFORMATION REGARDING STEAM GENERATOR TUBE
INSPECTIONS (TAC NO. MD2111)

Dear Mr. Venable:

By letters dated May 24, 2005, and May 17, 2006, Entergy Operations, Inc. (the licensee), submitted the results of the steam generator tube inspections for the spring 2005 refueling outage at the Waterford Steam Electric Station, Unit 3.

The Nuclear Regulatory Commission (NRC) staff has reviewed the information provided and determined that additional information is required in order to complete the evaluation. The additional information being requested is enclosed. As discussed with Dana Millar of your staff, the NRC staff is requesting a response within 60 days of this letter.

If you have any questions, please contact me at 301-415-3062.

Sincerely,

/RA/

Mel B. Fields, Senior Project Manager
Plant Licensing Branch IV
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket No. 50-382

Enclosure: Request for Additional Information

cc w/encl: See next page

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DATE	10/11/06	10/11/06	10/11/06

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REQUEST FOR ADDITIONAL INFORMATION
WATERFORD STEAM ELECTRIC STATION, UNIT 3
STEAM GENERATOR TUBE INSPECTIONS
DOCKET NO. 50-382

By letters dated May 24, 2005 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML051460385), and May 17, 2006 (ADAMS Accession No. ML061390029), Entergy Operations, Inc., submitted the results of the steam generator tube inspections for the spring 2005 refueling outage at the Waterford Steam Electric Station, Unit 3.

The Nuclear Regulatory Commission staff has reviewed the information provided and determined that the following additional information is required in order to complete the evaluation:

1. On page 3 of the May 24, 2005, report and page 3 of the May 17, 2006, report, you indicated that possible loose parts indications were identified during the inspection. Please discuss the scope and results of the foreign object search and retrieval on each steam generator (SG). If any loose parts were identified, discuss whether the loose parts were removed. If the parts were not removed or the locations were not visually inspected, please discuss the results of any evaluations performed to ensure these parts (or suspected parts) would not result in a loss of tube integrity for the period of time between inspections.
2. On page 2 of the May 24, 2005, report, Table 2.1 states that you expanded the inspection of wear scars for SG 31, but not for SG 32. Then, on page 2 of the May 17, 2006, report, Table 3.1 states that you did not expand the inspection of wear scars for SG 31, but you did for SG 32. Please clarify this discrepancy.
3. On page 2 of the May 17, 2006, report, you indicated in Table 3.1 that you identified 188 new wear scars in SG 31 and 214 new wear scars in SG 32. Please discuss the cause for the apparent increase in the number of new wear scars.
4. On page 3 of the May 24, 2005, letter, you indicated in Table 2.2 that four volumetric indications were detected in the cold leg of SG 31 and one volumetric indication was detected in the hot leg of SG 32. Please discuss the nature, cause, and severity of these indications.
5. On page 4 and page 7 of the May 24, 2005, report, you indicated in Tables 3.1.1 and 3.3.1 that there has been a reduction in the number of detected indications of circumferential and axial cracking at the top of the tubesheet when compared to past outages. Please discuss any insights you have concerning the "trend." In addition, please discuss the reduction in the number of free-span indications. Include in your response a discussion on the noise levels associated with the SG eddy current data.

Waterford Steam Electric Station, Unit 3

cc:

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May 2006