September 4, 2012

Donna Jacobs, Vice President, Operations
Entergy Operations, Inc.
Waterford Steam Electric Station, Unit 3
17265 River Road
Killona, LA 70057-0751

SUBJECT: MID-CYCLE ASSESSMENT LETTER FOR WATERFORD STEAM ELECTRIC STATION – UNIT 3 (INSPECTION REPORT 05000382/2012006)

Dear Ms. Jacobs:

On August 16, 2012, the NRC completed its mid-cycle performance review of Waterford Steam Electric Station, Unit 3. The NRC reviewed the most recent quarterly performance indicators (PIs) in addition to inspection results and enforcement actions from July 1, 2011, through June 30, 2012. This letter informs you of the NRC’s assessment of your facility during this period and its plans for future inspections at your facility. The security inspection plan and security-related information will be sent via separate, non-publicly available correspondence.

The NRC determined the performance at Waterford Steam Electric Station, Unit 3, during the most recent quarter was within the Regulatory Response Column of the NRC’s Reactor Oversight Process (ROP) Action Matrix because of one White finding in the Occupational Radiation Safety cornerstone. The White finding involved the failure to use effective engineering controls as part of pre-job planning to reduce contamination and subsequent exposure associated with leaking reactor coolant pump vapor seals. After reviewing your staff’s performance in addressing the White finding documented in the Supplemental Inspection Report 05000382/2012010, it was concluded that your corrective actions met the objectives of the Inspection Procedure 95001, “Inspection for One or Two White Inputs in a Strategic Performance Area.” Therefore, in accordance with the guidance in Inspection Manual Chapter (IMC) 0305, “Operating Reactor Assessment Program,” the White finding was only considered in assessing plant performance for a total of four quarters. As a result, it was determined that the performance at Waterford Steam Electric Station, Unit 3, to be in the Licensee Response Column of the ROP Action Matrix as of July 1, 2012. This decision was documented in an Assessment Follow-up letter dated August 1, 2012 (ML12214A280). On August 22, 2012, a Regulatory Performance Meeting was held with you to discuss these results.

The enclosed inspection plan lists the inspections scheduled through December 31, 2013. Routine inspections performed by resident inspectors are not included in the inspection plan. In addition to the baseline inspections, consistent with the Agency’s actions related to Fukushima, the NRC will perform TI-187, “Inspection of Near-Term Task Force Recommendation 2.3 Flooding Walkdowns,” and TI-188, “Inspection of Near-Term Task Force Recommendation 2.3 Seismic Walkdowns.” The inspections listed during the last nine months of the inspection plan are tentative and may be revised at the end-of-cycle performance review. The NRC provides the inspection plan to allow for the resolution of any scheduling conflicts and
personnel availability issues. The NRC will contact you as soon as possible to discuss changes to the inspection plan should circumstances warrant any changes.

Additionally, the staff plans on implementing Inspection Procedure 71007, “Reactor Vessel Head Replacement Inspection,” and Inspection Procedure 50001, “Steam Generator Replacement Inspection.” The staff will also be conducting inspection efforts to address the requirements set forth in approved Temporary Instructions (TI’s) which are also listed in the inspection plan. Scheduling and completion of these TI inspection efforts will be based on communication with the NRC regarding your preparedness for these inspections to proceed.

From July 1, 2011, to June 30, 2012, the NRC issued two Severity Level IV traditional enforcement violations associated with impeding the regulatory process. At the end of the 2011 EOC assessment period, you had three Severity Level IV violations in the same area. In the Annual Assessment Letter we informed you we would perform Inspection Procedure 92723, “Follow Up Inspection for Three or More Severity Level IV Traditional Enforcement Violations in the Same Area in a 12-Month Period.” We expect to perform this inspection on or before December 31, 2012, after you have informed us, in writing, that your staff is ready for our inspection.

In accordance with 10 CFR 2.390 of the NRC’s “Rules of Practice,” a copy of this letter 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).

Please contact Mr. Don Allen, Chief, Project Branch E, at (817) 200-1574 with any questions you have regarding this letter.

Sincerely,

[Signature]

Kriss M. Kennedy, Director
Division of Reactor Projects

Docket Nos. 05000382
License Nos. NPF-38

Enclosure: Waterford Steam Electric Station Inspection/Activity Plan

cc w/Enclosure: Electronic Distribution
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**OFFICIAL RECORD COPY**

T=Telephone  E=E-mail  F=Fax
This report does not include IPD and OUTAGE activities.

This report shows only on-site and announced inspection procedures.

- **EB 4-21**
  - **ETW 1-41.7**
  - **INSERVICE INSPECTION**
  - **EVA 1-51**
  - **RIS 1-46**
  - **SEISMIC WALKDOWNS**
  - **FLUORIDING WALKDOWNS**
  - **REVIEW OF UNDERGROUND PIPE & TANKS**
  - **118 GRAND WATER PROJ INITIATIVE**
  - **INITIAL EXAM WATERFORD 3 (12/11/10)**
  - **INITIAL EXAM WATERFORD 3 (12/11/11)**
  - **EXAM**
    - Occupational, Air, Planning and Controls
    - Administrative and/or Operations and Transposition
    - Access Control to Radiological Significant Areas
    - Surveillance Testing
    - Radiation and Other Change Alairs
    - Plan Modifications
    - Maintenance Risk Assessments and Emergency Work Control
    - Inservice Inspections Alairs - PWR
    - Reactor Coolant System Assembly Meul Wells

- **SG-A-46**
  - **FOLLOWUP TO CONFIRMATORY ORDER (CA/CAC)**

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