



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION IV
1600 EAST LAMAR BLVD
ARLINGTON, TEXAS 76011-4511

September 3, 2013

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 (REPORT 05000382/2013006)**

Dear Ms. Jacobs:

On August 14, 2013, 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, 2012 through June 30, 2013. 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 NRC determined the performance at Waterford Steam Electric Station, Unit 3, during the most recent quarter was within the Licensee Response Column of the NRC's Reactor Oversight Process (ROP) Action Matrix because all inspection findings had very low (i.e., green) safety significance, and all PIs indicated that your performance was within the nominal, expected range (i.e., green). Therefore, the NRC plans to conduct ROP baseline inspections at your facility.

The NRC identified a cross-cutting theme in the Problem Identification & Resolution – Corrective Action Program component. Specifically, during the assessment period four findings were assigned the cross-cutting aspect of P.1(c) in that your staff did not thoroughly evaluate problems such that the resolutions addressed the causes and extent of condition, as necessary. The NRC determined that a substantive cross-cutting issue (SCCI) associated with P.1(c) does not exist because the NRC does not have a concern with your staff's scope of effort and progress in addressing the cross-cutting theme. The NRC's conclusion is based on the fact that once identified, you placed this issue into your corrective action program and developed corrective actions to prevent recurrence. Although your corrective actions have not been fully implemented, they appear sufficiently broad to improve both the equipment failure analyses and extent of condition reviews. The NRC will continue to monitor your staff's effort and progress in addressing the theme until the theme criteria are no longer met.

The enclosed inspection plan lists the inspections scheduled through December 31, 2014. Routine inspections performed by resident inspectors are not included in the inspection plan. 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. This inspection plan does not include security related inspections, which will be sent via separate, non-publicly available correspondence.

From July 1, 2012, to June 30, 2013, the NRC issued three traditional enforcement violations associated with impeding the regulatory process. Therefore, the NRC plans to conduct 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," to follow-up on these violations.

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 me at (817) 200-1574 with any questions you have regarding this letter.

Sincerely,



Donald B. Allen, Chief
Project Branch E
Division of Reactor Projects

Docket No. 50-382
License No. NPF-38

Enclosure: Waterford Steam Electric Station, Unit 3 Inspection / Activity Plan

Waterford
Inspection / Activity Plan
09/01/2013 - 12/31/2014

| Unit Number | Planned Dates Start End | Inspection Activity | Title | No. of Staff on Site |
|-------------|----------------------------|---|--|-------------------------|
| 3 | 02/24/2014 02/28/2014 | EXAM - INITIAL OPERATOR EXAM X02523 | INITIAL EXAM- W3 (3/2014) | 4 |
| 3 | 04/07/2014 04/16/2014 | X02523 | INITIAL EXAM- W3 (3/2014) | |
| 3 | 09/16/2013 09/20/2013 | PSB2-RP - RADIATION SAFETY IP 71124.01 | Radiological Hazard Assessment and Exposure Controls | 3 |
| 3 | 09/16/2013 09/20/2013 | IP 71124.02 | Occupational ALARA Planning and Controls | |
| 3 | 09/16/2013 09/20/2013 | IP 71151-OR01 | Occupational Exposure Control Effectiveness | |
| 3 | 09/16/2013 09/20/2013 | IP 71151-PR01 | RETS/ODCM Radiological Effluent | |
| 3 | 09/16/2013 09/20/2013 | PSB2-RP - RADIATION SAFETY IP 71124.05 | Radiation Monitoring Instrumentation | 4 |
| 3 | 09/16/2013 09/20/2013 | IP 71124.06 | Radioactive Gaseous and Liquid Effluent Treatment | |
| 3 | 09/16/2013 09/20/2013 | IP 71124.07 | Radiological Environmental Monitoring Program | |
| 3 | 09/16/2013 09/20/2013 | IP 71124.08 | Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation | |
| 3 | 10/01/2013 12/31/2013 | 92723 - 92723 | THREE SEVERITY LEVEL IV IN 12 MO. Follow Up Inspection for Three or More Severity Level IV Traditional Enforcement Violations in the S | 2 |
| 3 | 10/14/2013 10/18/2013 | ISFSI - ROUTINE ISFSI INSPECTION IP 60855.1 | Operation of an Independent Spent Fuel Storage Installation at Operating Plants | 1 |
| 3 | 12/02/2013 12/06/2013 | EP-3 - EP PERFORMANCE INDICATORS IP 71151-EP01 | Drill/Exercise Performance | 1 |
| 3 | 12/02/2013 12/06/2013 | IP 71151-EP02 | ERO Drill Participation | |
| 3 | 12/02/2013 12/06/2013 | IP 71151-EP03 | Alert & Notification System | |
| 3 | 12/02/2013 12/06/2013 | EPI - BIENNIAL EXERCISE INSPECTION IP 7111401 | Exercise Evaluation | 4 |
| 3 | 02/10/2014 02/14/2014 | EB1-07T - TRIENNIAL HEAT SINK INSPECTION IP 7111107T | Heat Sink Performance | 1 |
| 3 | 04/21/2014 04/25/2014 | RS13 - RADIATION SAFETY IP 71124.01 | Radiological Hazard Assessment and Exposure Controls | 3 |
| 3 | 04/21/2014 04/25/2014 | IP 71124.03 | In-Plant Airborne Radioactivity Control and Mitigation | |
| 3 | 04/21/2014 04/25/2014 | IP 71151-OR01 | Occupational Exposure Control Effectiveness | |
| 3 | 04/21/2014 04/25/2014 | IP 71151-PR01 | RETS/ODCM Radiological Effluent | |
| 3 | 04/21/2014 05/02/2014 | 71111.08 - WATERFORD R19 INSERVICE INSPECTION IP 7111108P | Inservice Inspection Activities - PWR | 1 |
| 3 | 05/19/2014 05/23/2014 | TSB 52B - BIENNIAL PI&R IP 71152B | Problem Identification and Resolution | 4 |

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

Waterford

Inspection / Activity Plan

09/01/2013 - 12/31/2014

| Unit Number | Planned Dates Start End | Inspection Activity | Title | No. of Staff on Site |
|-------------|----------------------------|--|--|-------------------------|
| | | TSB 52B - BIENNIAL PI&R | | |
| 3 | 06/02/2014 06/06/2014 | IP 71152B | Problem Identification and Resolution | 4 |
| | | EB1-21T - COMPONENT DESIGN BASIS INSPECTION | | |
| 3 | 10/06/2014 10/10/2014 | IP 7111121 | Component Design Bases Inspection | 5 |
| 3 | 10/20/2014 10/24/2014 | IP 7111121 | Component Design Bases Inspection | |
| 3 | 11/03/2014 11/07/2014 | IP 7111121 | Component Design Bases Inspection | |
| | | EP-1 - EP PERFORMANCE INDICATORS | | |
| 3 | 11/17/2014 11/21/2014 | IP 71151-EP01 | Drill/Exercise Performance | 1 |
| 3 | 11/17/2014 11/21/2014 | IP 71151-EP02 | ERO Drill Participation | |
| 3 | 11/17/2014 11/21/2014 | IP 71151-EP03 | Alert & Notification System | |
| | | EP-2 - BIENNIAL EP INSPECTION | | |
| 3 | 11/17/2014 11/21/2014 | IP 7111402 | Alert and Notification System Testing | 1 |
| 3 | 11/17/2014 11/21/2014 | IP 7111403 | Emergency Preparedness Organization Staffing and Augmentation System | |
| 3 | 11/17/2014 11/21/2014 | IP 7111405 | Correction of Emergency Preparedness Weaknesses and Deficiencies | |
| | | RS24 - RADIATION SAFETY | | |
| 3 | 11/17/2014 11/21/2014 | IP 71124.02 | Occupational ALARA Planning and Controls | 3 |
| 3 | 11/17/2014 11/21/2014 | IP 71124.04 | Occupational Dose Assessment | |

Comments:

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