



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

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.

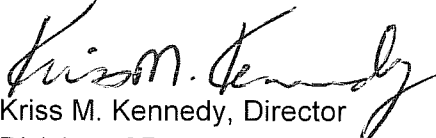
Additionally, the staff plans on implementing Inspection Procedure 71007, "Reactor Vessel Head Replacement Inspection," and Inspection Procedure 50001, "Steam Generator Replacement Inspection." The staff will also be conducting inspection efforts to address the requirements set forth in approved Temporary 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,


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

Unit Number	Planned Dates Start End	Inspection Activity	Title	No. of Staff on Site
3	01/01/2012 12/31/2012	92702 - FOLLOWUP TO CONFIRMATORY ORDER (QA/QC)		1
		IP 92702	Followup On Corrective Actions For Violations And Deviations	
3	01/01/2012 12/31/2012	SG-RPVH - STEAM GENERATORS AND RPVH REPLACEMENT		14
		IP 2515/172	Reactor Coolant System Dissimilar Metal Butt Welds	
		IP 7111108P	Inservice Inspection Activities - PWR	
3	01/01/2012 12/31/2012	IP 7111113	Maintenance Risk Assessments and Emergent Work Control	
3	01/01/2012 12/31/2012	IP 7111118	Plant Modifications	
3	01/01/2012 12/31/2012	IP 7111120	Refueling and Other Outage Activities	
3	01/01/2012 12/31/2012	IP 7111122	Surveillance Testing	
3	01/01/2012 12/31/2012	IP 7112101	Access Control to Radiologically Significant Areas	
3	01/01/2012 12/31/2012	IP 7112102	ALARA Planning and Controls	
3	01/01/2012 12/31/2012	IP 7112202	Radioactive Material Processing and Transportation	
3	01/01/2012 12/31/2012	IP 7112402	Occupational ALARA Planning and Controls	
3	09/03/2012 09/07/2012	EXAM - INITIAL OPERATOR EXAM		5
		X02493	INITIAL EXAM WATERFORD 3 (01/01/2012)	
3	10/01/2012 10/12/2012	X02493	INITIAL EXAM WATERFORD 3 (01/01/2012)	
3	03/15/2012 12/31/2012	TI 185 - TI 185 GRND WATER PROT INITIATIVE		2
		IP 2515/185	Follow-up on the Industry's Ground Water Protection Initiative	
3	03/15/2012 12/31/2012	TI-182 - TI-182 REVW OF UNDERGRND PIPE & TANKS		2
		IP 2515/182	Review of the Implementation of the Industry Initiative to Control Degradation of Underground Piping	
3	09/01/2012 09/01/2012	TI-187 - FLOODING WALKDOWNS		1
		IP 2515/187	Inspection of Near-Term Task Force Recommendation 2.3 Flooding Walkdowns	
3	09/01/2012 12/31/2012	TI-188 - SEISMIC WALKDOWNS		1
		IP 2515/188	Inspection of Near-Term Task Force Recommendation 2.3 Seismic Walkdowns	
3	10/22/2012 11/04/2012	PSB2-08P - INSERVICE INSPECTION		3
		IP 7111108P	Inservice Inspection Activities - PWR	
3	10/29/2012 11/02/2012	RS13 - RADIATION SAFETY		2
		IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
3	10/29/2012 11/02/2012	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
3	10/29/2012 11/02/2012	IP 71151-OR01	Occupational Exposure Control Effectiveness	
3	10/29/2012 11/02/2012	IP 71151-PR01	RETS/ODCM Radiological Effluent	
3	01/28/2013 02/08/2013	EB1-17T - TRIENNIAL PERM PLANT MODS & 50.59		3
		IP 7111117T	Evaluations of Changes, Tests, or Experiments and Permanent Plant Modifications	

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

Waterford
Inspection / Activity Plan
 09/01/2012 - 12/31/2013

Unit Number	Planned Start	Planned End	Inspection Activity	Title	No. of Staff on Site
3	01/28/2013	02/01/2013	PSB2-RP - RADIATION SAFETY		4
			IP 71124.05	Radiation Monitoring Instrumentation	
3	01/28/2013	02/01/2013	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	
3	01/28/2013	02/01/2013	IP 71124.07	Radiological Environmental Monitoring Program	
3	01/28/2013	02/01/2013	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
			INSP - LICENSED OPERATOR REQUAL INSP		3
			IP 7111111B	Licensed Operator Requalification Program	
			PSB2-RP - RADIATION SAFETY		2
3	09/16/2013	09/20/2013	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
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	
			EP1 - BIENNIAL EXERCISE INSPECTION		4
3	12/02/2013	12/06/2013	IP 7111401	Exercise Evaluation	
Comments:					

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