



**UNITED STATES  
NUCLEAR REGULATORY COMMISSION**

REGION IV  
1600 E LAMAR BLVD  
ARLINGTON, TX 76011-4511

March 4, 2015

Mr. Michael R. Chisum, Vice President  
Entergy Operations, Inc.  
Waterford Steam Electric Station, Unit 3  
17265 River Road  
Killona, LA 70057-0751

**SUBJECT: ANNUAL ASSESSMENT LETTER FOR WATERFORD STEAM ELECTRIC  
STATION, UNIT 3 (REPORT 05000382/2014001)**

Dear Mr. Chisum:

On February 19, 2015, the Nuclear Regulatory Commission (NRC) completed its end-of-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 January 1, 2014, through December 31, 2014. This letter informs you of the NRC's assessment of Waterford Steam Electric Station, Unit 3, 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 Regulatory Response Column of the NRC's Reactor Oversight Process (ROP) Action Matrix because of one White finding in the Mitigating Systems Cornerstone.

On December 30, 2014, the NRC issued a supplemental inspection report (NRC IR 05000382/2014011), which stated that the White finding will remain open beyond the normal four quarters and will not be removed from consideration in the NRC's assessment program until the identified weaknesses are addressed and corrected. On March 3, 2014, your staff notified the NRC of your readiness for it to resume the supplemental inspection to review the actions taken to address these weaknesses. Therefore, in addition to ROP baseline inspections, the NRC plans to resume the supplemental inspection in accordance with Inspection Procedure 95001, "Supplemental Inspection for One or Two White Inputs in a Strategic Performance Area." This supplemental inspection will provide assurance that the root and contributing causes of risk-significant performance issues are understood, that the extent of condition and the extent of cause of risk-significant performance issues are identified, and that corrective actions for risk-significant performance issues are sufficient to address the root and contributing causes and prevent recurrence.

The enclosed inspection plan lists the inspections scheduled through June 30, 2016. 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 mid-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.

Additionally, an NRC audit of licensee efforts towards compliance with Order EA-12-049, "Order Modifying Licenses with Regard to Requirements for Mitigation Strategies for Beyond-Design-Basis External Events," and Order EA-12-051, "Order Modifying Licenses with Regard to Reliable Spent Fuel Pool Instrumentation," is ongoing for various sites. The audit includes an onsite visit for the NRC staff to evaluate mitigating strategies as described in the licensee submittals, and to receive and review information relative to associated open items. This onsite audit will occur prior to the first unit at the site achieving compliance with the Orders, and the audit will aid NRC staff in developing a final Safety Evaluation for the site. The audit at your site has been scheduled for the week of July 13, 2015. A site-specific audit plan for the visit will be provided in advance to allow sufficient time for preparations.

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

Sincerely,

/RA/

Troy W. Pruett  
Director  
Division of Reactor Projects

Docket: 50-382  
License: NPF-38

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

**Waterford**  
**Inspection / Activity Plan**  
**03/01/2015 - 06/30/2016**

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			<b>EXAM - INITIAL OPERATOR EXAM</b>		<b>4</b>
3	08/17/2015	08/21/2015	X02546	INITIAL EXAM WAT(09/2014)	
3	09/14/2015	09/18/2015	X02546	INITIAL EXAM WAT(09/2014)	
			<b>EP-2 - HAB EXERCISE INSPECTION</b>		<b>5</b>
3	06/22/2015	06/26/2015	IP 7111404	Emergency Action Level and Emergency Plan Changes	
3	06/22/2015	06/26/2015	IP 7111407	Exercise Evaluation - Hostile Action (HA) Event	
			<b>EP-3 - EP PERFORMANCE INDICATORS</b>		<b>2</b>
3	06/22/2015	06/26/2015	IP 71151-EP01	Drill/Exercise Performance	
3	06/22/2015	06/26/2015	IP 71151-EP02	ERO Readiness	
3	06/22/2015	06/26/2015	IP 71151-EP03	Alert & Notification System Reliability	
			<b>INSP - OPERATOR REQUAL INSPECTION</b>		<b>3</b>
3	07/27/2015	07/31/2015	IP 7111111B	Licensed Operator Requalification Program	
			<b>EB1-17T - WAT PERMANENT PLANT MODS &amp; 5059</b>		<b>5</b>
3	08/24/2015	09/04/2015	IP 7111117T	Evaluations of Changes, Tests, and Experiments and Permanent Plant Modifications	
			<b>RS 12 PI - RADIATION SAFETY</b>		<b>2</b>
3	10/26/2015	10/30/2015	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
3	10/26/2015	10/30/2015	IP 71124.02	Occupational ALARA Planning and Controls	
3	10/26/2015	10/30/2015	IP 71151-OR01	Occupational Exposure Control Effectiveness	
3	10/26/2015	10/30/2015	IP 71151-PR01	RETS/ODCM Radiological Effluent Occurrences	
			<b>71111.08 - WATERFORD ISI</b>		<b>1</b>
3	11/02/2015	11/13/2015	IP 7111108P	Inservice Inspection Activities - PWR	
			<b>RS 13 PI - RADIATION SAFETY</b>		<b>2</b>
3	03/21/2016	03/25/2016	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
3	03/21/2016	03/25/2016	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
3	03/21/2016	03/25/2016	IP 71151-OR01	Occupational Exposure Control Effectiveness	
3	03/21/2016	03/25/2016	IP 71151-PR01	RETS/ODCM Radiological Effluent Occurrences	
			<b>EP-1 - EP PERFORMANCE INDICATORS</b>		<b>1</b>
3	05/02/2016	05/06/2016	IP 71151-EP01	Drill/Exercise Performance	
3	05/02/2016	05/06/2016	IP 71151-EP02	ERO Readiness	
3	05/02/2016	05/06/2016	IP 71151-EP03	Alert & Notification System Reliability	
			<b>EP-2 - BIENNIAL EP PROGRAM INSPECTION</b>		<b>1</b>
3	05/02/2016	05/06/2016	IP 7111402	Alert and Notification System Testing	
3	05/02/2016	05/06/2016	IP 7111403	Emergency Preparedness Organization Staffing and Augmentation System	
3	05/02/2016	05/06/2016	IP 7111404	Emergency Action Level and Emergency Plan Changes	

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

**Waterford**  
**Inspection / Activity Plan**  
**03/01/2015 - 06/30/2016**

Unit Number	Planned Dates Start End	Inspection Activity	Title	No. of Staff on Site
3	05/02/2016 05/06/2016	EP-2 - BIENNIAL EP PROGRAM INSPECTION IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies	1

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Troy W. Pruett  
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Enclosure:  
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Unit 3 Inspection/Activity Plan

DISTRIBUTION:  
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NAME	CYoung:tk	RLantz	AVeget	TPruett
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DATE	3/2/15	3/2/15	3/2/15	3/4/15

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Letter to Michael R. Chisum from Troy Pruett, dated March 4, 2015

SUBJECT: ANNUAL ASSESSMENT LETTER FOR WATERFORD STEAM ELECTRIC  
STATION, UNIT 3 (REPORT 05000382/2014001)

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