



**UNITED STATES  
NUCLEAR REGULATORY COMMISSION**  
REGION IV  
1600 E LAMAR BLVD  
ARLINGTON, TX 76011-4511

March 1, 2017

Mr. Michael R. Chisum  
Site Vice President  
Entergy Operations, Inc.  
17265 River Road  
Killona, LA 70057-0751

SUBJECT: ANNUAL ASSESSMENT LETTER FOR WATERFORD STEAM ELECTRIC  
STATION, UNIT 3 (REPORT 05000382/2016006)

Dear Mr. Chisum:

On February 16, 2017, the U.S. Nuclear Regulatory Commission (NRC) completed its end-of-cycle performance assessment of Waterford Steam Electric Station, Unit 3, reviewing performance indicators (PIs), inspection results, and enforcement actions from January 1, 2016, through December 31, 2016. 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 concluded that overall performance at your facility preserved public health and safety.

The NRC determined the performance at Waterford Steam Electric Station, Unit 3 during the most recent quarter was within the Licensee Response Column, the highest performance category of the NRC's Reactor Oversight Process (ROP) Action Matrix, because all inspection findings had very low safety significance (i.e., Green), and all PIs were within the expected range (i.e., Green). Therefore, the NRC plans to conduct ROP baseline inspections at your facility.

The enclosed inspection plan lists the inspections scheduled through December 31, 2018. The NRC provides the inspection plan to allow for the resolution of any scheduling conflicts and personnel availability issues. Routine inspections performed by resident inspectors are not included in the inspection plan. The inspections listed during the last twelve months of the inspection plan are tentative and may be revised. 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 the plan for security-related inspections, which will be sent via separate, non-publicly available correspondence.

In accordance with Title 10 of the *Code of Federal Regulations* (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 817-200-1173 with any questions you have regarding this letter.

Sincerely,

**/RA/**

Geoffrey B. Miller, Branch Chief  
Projects Branch D  
Division of Reactor Projects

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

Enclosure:  
Waterford Steam Electric Station Unit 3  
Inspection Plan

ANNUAL ASSESSMENT LETTER FOR WATERFORD STEAM ELECTRIC STATION, UNIT 3  
(REPORT 05000382/2016006) - DATED MARCH 1, 2017

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ADAMS ACCESSION NUMBER: ML17059D480

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OFFICE	RIV/DRP/C	DRS/D	DRP/DD						
NAME	GMiller	AVegel	RLantz						
SIGNATURE	/RA/	/RA/	/RA/						
DATE	2/23/17	2/23/17	2/23/17						

OFFICIAL RECORD COPY

**Waterford**  
**Inspection / Activity Plan**  
**01/01/2017 - 12/31/2018**

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
Start	End				
			<b>EXAM - INITIAL EXAM</b>		<b>4</b>
3	02/13/2017	02/17/2017	X02588	INITIAL EXAM WAT3 (04/2017)	
3	03/27/2017	03/31/2017	X02588	INITIAL EXAM WAT3 (04/2017)	
			<b>EB2-02 - LICENSE RENEWAL INSPECTION</b>		<b>5</b>
3	01/30/2017	02/03/2017	IP 71002	License Renewal Inspection	
3	02/13/2017	02/17/2017	IP 71002	License Renewal Inspection	
			<b>EB1-07T - WAT HEAT SINK PERFORMANCE</b>		<b>2</b>
3	03/20/2017	03/24/2017	IP 7111107T	Heat Sink Performance	
			<b>RS 12 PI - RADIATION SAFETY</b>		<b>2</b>
3	04/24/2017	04/28/2017	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
3	04/24/2017	04/28/2017	IP 71124.02	Occupational ALARA Planning and Controls	
3	04/24/2017	04/28/2017	IP 71151-OR01	Occupational Exposure Control Effectiveness	
3	04/24/2017	04/28/2017	IP 71151-PR01	RETS/ODCM Radiological Effluent Occurrences	
			<b>71111.08 - INSERVICE INSPECTION RFO 21</b>		<b>1</b>
3	04/24/2017	05/05/2017	IP 7111108P	Inservice Inspection Activities - PWR	
			<b>BRQ - BRQ INSPECTION</b>		<b>3</b>
3	07/24/2017	07/28/2017	IP 7111111B	Licensed Operator Requalification Program	
			<b>EB1-21M - WAT COMPONENT DESIGN BASES INSPECTION</b>		<b>6</b>
3	10/23/2017	11/17/2017	IP 7111121M	Component Design Bases Inspection (Teams)	
			<b>RS 5678 - RS TEAM</b>		<b>4</b>
3	11/27/2017	12/01/2017	IP 71124.05	Radiation Monitoring Instrumentation	
3	11/27/2017	12/01/2017	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	
3	11/27/2017	12/01/2017	IP 71124.07	Radiological Environmental Monitoring Program	
3	11/27/2017	12/01/2017	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
			<b>EP-2 - BIENNIAL EP EXERCISE INSPECTION</b>		<b>4</b>
3	12/04/2017	12/08/2017	IP 7111401	Exercise Evaluation	
3	12/04/2017	12/08/2017	IP 7111404	Emergency Action Level and Emergency Plan Changes	
			<b>EP-3 - EP PERFORMANCE INDICATOR REVIEW</b>		<b>1</b>
3	12/04/2017	12/08/2017	IP 71151-EP01	Drill/Exercise Performance	
3	12/04/2017	12/08/2017	IP 71151-EP02	ERO Readiness	
3	12/04/2017	12/08/2017	IP 71151-EP03	Alert & Notification System Reliability	
			<b>RS 13PI - RAD SAFETY</b>		<b>2</b>
3	01/22/2018	01/26/2018	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	

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

**Waterford**  
**Inspection / Activity Plan**  
**01/01/2017 - 12/31/2018**

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
			<b>RS 13PI - RAD SAFETY</b>		<b>2</b>
3	01/22/2018	01/26/2018	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
3	01/22/2018	01/26/2018	IP 71151-OR01	Occupational Exposure Control Effectiveness	
3	01/22/2018	01/26/2018	IP 71151-PR01	RETS/ODCM Radiological Effluent Occurrences	
			<b>EB1-17T - WAT 50.59 CHANGES, TESTS, EXPERIMENTS</b>		<b>3</b>
3	04/02/2018	04/06/2018	IP 7111117T	Evaluations of Changes, Tests, and Experiments and Permanent Plant Modifications	
			<b>EXAM - INITIAL EXAM</b>		<b>5</b>
3	10/01/2018	10/05/2018	X02625	INITIAL EXAM W3(11/18)	
3	11/05/2018	11/09/2018	X02625	INITIAL EXAM W3(11/18)	
			<b>EB2-05XT - TRIENNIAL FIRE PROTECTION INSPECTION</b>		<b>4</b>
3	07/30/2018	08/03/2018	IP 7111105X	Fire Protection - NFPA 805 (Triennial)	
3	08/13/2018	08/17/2018	IP 7111105X	Fire Protection - NFPA 805 (Triennial)	
			<b>EP-1 - EP PROGRAM INSPECTION</b>		<b>1</b>
3	08/13/2018	08/17/2018	IP 7111402	Alert and Notification System Testing	
3	08/13/2018	08/17/2018	IP 7111403	Emergency Preparedness Organization Staffing and Augmentation System	
3	08/13/2018	08/17/2018	IP 7111404	Emergency Action Level and Emergency Plan Changes	
3	08/13/2018	08/17/2018	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies	
3	08/13/2018	08/17/2018	IP 71151-EP01	Drill/Exercise Performance	
3	08/13/2018	08/17/2018	IP 71151-EP02	ERO Readiness	
3	08/13/2018	08/17/2018	IP 71151-EP03	Alert & Notification System Reliability	
			<b>RS 24 - RAD SAFETY</b>		<b>2</b>
3	09/10/2018	09/14/2018	IP 71124.02	Occupational ALARA Planning and Controls	
3	09/10/2018	09/14/2018	IP 71124.04	Occupational Dose Assessment	

Comments: