



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

March 3, 2020

Mr. Sergio Vazquez
Site Vice President
Entergy Operations, Inc.
17265 River Road
Killona, LA 70057

**SUBJECT: ANNUAL ASSESSMENT LETTER FOR WATERFORD STEAM ELECTRIC
STATION, UNIT 3 (REPORT 05000382/2019006)**

Dear Mr. Vazquez:

The U.S. Nuclear Regulatory Commission (NRC) has completed its end-of-cycle performance assessment of Waterford Steam Electric Station, Unit 3, reviewing performance indicators, inspection results, and enforcement actions from January 1, 2019, through December 31, 2019. 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 performance indicators 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, 2021. This updated inspection plan now includes planned security inspections which were formerly transmitted under separate correspondence. 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. You should be aware that the agency is pursuing potential changes to the ROP, including changes to engineering inspections (SECY-18-0113, "Recommendations for Modifying the Reactor Oversight Process Engineering Inspections"), and other changes to the baseline inspection program described in SECY-19-0067, "Recommendations for Enhancing the Reactor Oversight Process." Should these changes to the ROP be implemented, the engineering and other region-based inspections are subject to change in scope, as well as schedule. 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.

Additionally, during this period the NRC will schedule an additional inspection per a revised version of Temporary Instruction (TI) 2515/194, "Inspection of the Licensee's Implementation of Industry Initiative Associated with the Open Phase Condition Design Vulnerability in Electrical Power Systems (NRC Bulletin 2012-01)" for any sites who elect to implement the guidance of the Industry Initiative on Open Phase Condition, Revision 3 (Agency Documents Access and Management System (ADAMS) Accession No. ML19163A176). Licensees will be individually notified when the NRC schedules these inspections.

On March 12, 2018, the NRC issued a Confirmatory Order (ADAMS Accession No. ML18072A191) (EA-17-132 and EA-17-153) to the Entergy fleet that included Waterford Steam Electric Station, Unit 3. On January 27, 2020, the NRC initiated a Confirmatory Order follow-up inspection at Entergy Corporate Headquarters in Jackson, MS, of the Confirmatory Order actions required to be completed by the end of calendar year 2019, in accordance with Inspection Procedure 92702, "Followup on Traditional Enforcement Actions Including Violations, Deviations, Confirmatory Action Letters, Confirmatory Orders, And Alternative Dispute Resolution Confirmatory Orders." The results of this inspection, which are currently being evaluated, will be documented in NRC Inspection Report 05000416/2020011, 05000313/2020010, and 05000368/2020010, 05000458/2020010, and 05000382/2020011. The NRC plans to conduct future follow-up inspections of the remaining open Confirmatory Order actions required to be completed by Entergy. The NRC will coordinate with Entergy to schedule these inspection activities.

On April 5, 2019, the NRC issued two Severity Level III traditional enforcement violations associated with willfulness and involving several instances of improper operator log-taking (ADAMS Accession No ML19095B573). Therefore, the threshold for performing Inspection Procedure (IP) 92722, "Follow Up Inspection for Any Severity Level I or II Traditional Enforcement Violation or for Two or More Severity Level III Traditional Enforcement Violations in a 12 Month Period" to follow up on these violations was satisfied. Inspection Procedure 92722 allows the review using IP 92702 if it is already being performed. Since these violations are being reviewed in their entirety under IP 92702 to follow up on actions associated with the related Entergy Confirmatory Order, the NRC does not plan to conduct a separate IP 92722.

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) 200-1574 with any questions you have regarding this letter.

Sincerely,

/RA/

John L. Dixon Jr., Chief
Reactor Projects Branch D
Division of Reactor Projects

Docket No. 05000382
License No. NPF-38

Enclosure:
Inspection Plan

cc w/ encl: Distribution via LISTSERV

IP 22 Inspection Activity Plan Report

Waterford

01/01/2020 - 12/31/2021

Unit	Start	End	Activity	CAC	Title	Staff Count
WAT ENTERGY CO FOLLOWUP - 2						2
3	12/01/2019	03/31/2020	IP 92702 CONF	001581	Enforcement Related Order Follow-Up-Only	
FLEX NOV Followup Inspection - WAT						1
3	01/21/2020	01/24/2020	IP 92702	001555	Followup on Traditional Enforcement Actions Including Violations, Deviations, Confirmatory Action Letters, Confirmatory Orders, And Alternative Dispute Resolution Confirmatory Orders	
Waterford ISFSI Loading Inspection (One week in March)						2
1	02/10/2020	04/30/2020	IP 60855	001001	Operation Of An ISFSI	
1	02/10/2020	04/30/2020	IP 60857	001004	Review of 10 CFR 72.48 Evaluations	
RS24 Radiation Safety						2
3	02/10/2020	02/14/2020	IP 71124.02	000726	Occupational ALARA Planning and Controls	
3	02/10/2020	02/14/2020	IP 71124.04	000728	Occupational Dose Assessment	
Security Equipment .04 and Training .07						2
3	04/20/2020	04/24/2020	IP 71130.04	000736	Equipment Performance, Testing, and Maintenance	
3	04/20/2020	04/24/2020	IP 71130.07	000739	Security Training	
Waterford 3 - Design Bases Assurance Inspection (Teams)						6
3	05/04/2020	05/08/2020	IP 71111.21M	000713	Design Bases Assurance Inspection (Teams)	
3	05/18/2020	05/22/2020	IP 71111.21M	000713	Design Bases Assurance Inspection (Teams)	
Security Access Control .02						1
3	06/08/2020	06/12/2020	IP 71130.02	000734	Access Control	
3	06/08/2020	06/12/2020	IP 71151	001338	Performance Indicator Verification	
W3 2020 INITIAL EXAM						6
3	07/19/2020	07/25/2020	OV	000956	VALIDATION OF INITIAL LICENSE EXAMINATION (OV)	
3	08/16/2020	08/22/2020	EXAD	000500	LICENSE EXAM ADMINISTRATION (EXAD)	
Inservice Inspection RF23 - WAT						1
3	10/05/2020	10/16/2020	IP 71111.08P	000702	Inservice Inspection Activities (PWR)	
RS12PI Radiation Safety						2
3	10/05/2020	10/09/2020	IP 71124.01	000725	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.

IP 22 Inspection Activity Plan Report

Waterford

01/01/2020 - 12/31/2021

Unit	Start	End	Activity	CAC	Title	Staff Count
RS12PI Radiation Safety						2
3	10/05/2020	10/09/2020	IP 71124.02	000726	Occupational ALARA Planning and Controls	
BIENNIAL PI&R						4
3	11/16/2020	11/20/2020	IP 71152B	000747	Problem Identification and Resolution	
3	12/07/2020	12/11/2020	IP 71152B	000747	Problem Identification and Resolution	
EP Program Inspection						1
3	12/07/2020	12/11/2020	IP 71114.02	000717	Alert and Notification System Testing	
3	12/07/2020	12/11/2020	IP 71114.03	000718	Emergency Response Organization Staffing and Augmentation System	
3	12/07/2020	12/11/2020	IP 71114.04	000719	Emergency Action Level and Emergency Plan Changes	
3	12/07/2020	12/11/2020	IP 71114.05	000720	Maintenance of Emergency Preparedness	
3	12/07/2020	12/11/2020	IP 71151	001397	Performance Indicator Verification	
RP 1,3,PI						2
3	01/11/2021	01/15/2021	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
3	01/11/2021	01/15/2021	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
MCA - Material Control & Accounting						1
3	01/11/2021	01/15/2021	IP 71130.11	000742	Material Control and Accounting (MC&A)	
FORCE-ON-FORCE PLANNING AND EXERCISE WEEKS - WAT						6
3	02/08/2021	02/12/2021	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
3	03/01/2021	03/05/2021	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
50.59 Inspection 17T - Waterford						3
3	04/05/2021	04/09/2021	IP 71111.17T	000709	Evaluations of Changes, Tests, and Experiments	
Security FFD .08						1
3	04/05/2021	04/09/2021	IP 71130.08	000740	Fitness For Duty Program	
W3 2021 BRQ						2
3	07/25/2021	07/31/2021	IP 71111.11B	000704	Licensed Operator Regualification Program and Licensed Operator Performance	
Heat Sink Performance 07T - Waterford						2
3	08/23/2021	08/27/2021	IP 71111.07T	000700	Heat Sink Performance	

IP 22 Inspection Activity Plan Report

Waterford

01/01/2020 - 12/31/2021

Unit	Start	End	Activity	CAC	Title	Staff Count
Security Access Authorization .01 and Access Control .02 w/PIV						2
3	09/27/2021	10/01/2021	IP 71130.01	000733	Access Authorization	
3	09/27/2021	10/01/2021	IP 71130.02	000734	Access Control	
3	09/27/2021	10/01/2021	IP 71151	001338	Performance Indicator Verification	
Fire Protection Inspection - WAT						3
3	10/18/2021	10/22/2021	IP 71111.21N.05	001646	Fire Protection Team Inspection (FPTI)	
3	11/01/2021	11/05/2021	IP 71111.21N.05	001646	Fire Protection Team Inspection (FPTI)	
EP Exercise and PI Inspection						4
3	10/25/2021	10/29/2021	IP 71114.01	000716	Exercise Evaluation	
3	10/25/2021	10/29/2021	IP 71114.04	000719	Emergency Action Level and Emergency Plan Changes	
3	10/25/2021	10/29/2021	IP 71151	001397	Performance Indicator Verification	
RP 5,6,7,8 PS Team						4
3	11/15/2021	11/19/2021	IP 71124.05	000729	Radiation Monitoring Instrumentation	
3	11/15/2021	11/19/2021	IP 71124.06	000730	Radioactive Gaseous and Liquid Effluent Treatment	
3	11/15/2021	11/19/2021	IP 71124.07	000731	Radiological Environmental Monitoring Program	
3	11/15/2021	11/19/2021	IP 71124.08	000732	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
W3 2022 INITIAL EXAM						4
3	12/12/2021	12/18/2021	OV	000956	VALIDATION OF INITIAL LICENSE EXAMINATION (OV)	