



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

March 11, 2025

Joseph Sullivan, Site Vice President
Entergy Operations, Inc.
17265 River Road
Killona, LA 70057

**SUBJECT: ANNUAL ASSESSMENT LETTER FOR WATERFORD STEAM ELECTRIC
STATION, UNIT 3 REPORT 05000382/2024006**

Dear Joseph Sullivan:

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 (PIs), inspection results, and enforcement actions from January 1, 2024, through December 31, 2024. 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 baseline inspection program was completed at your facility as defined in Inspection Manual Chapter 2515, "Light-Water Reactor Inspection Program - Operations Phase."

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.

During the second quarter of 2024, Waterford Steam Electric Station, Unit 3, performance was within the Regulatory Response Column, the second highest performance column, based on the Performance Indicator for Unplanned Scrams per 7000 Critical Hours having crossed the Green-to-White threshold in the Initiating Events cornerstone. Following the supplemental inspection which was performed in accordance with Inspection Procedure 95001, "Supplemental Inspection Response to Action Matrix Column 2 (Regulatory Response) Inputs," documented in NRC Inspection Report Waterford Steam Electric Station, Unit 3 – 95001 Supplemental Inspection Report 05000382/2024040 and Follow-Up Assessment Letter (Agencywide Documents Access and Management System [ADAMS] Accession No. ML25023A150), the NRC returned the station to the Licensee Response Column on December 13, 2024.

The enclosed inspection plan lists the inspections scheduled through December 31, 2026. 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 12 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 letter and its enclosure will be made available for public inspection and copying at [ADAMS Public Documents | NRC.gov](https://www.nrc.gov/publications/ADAMS) and at the NRC Public Document Room in accordance with Title 10 of the Code of Federal Regulations 2.390, "Public Inspections, Exemptions, Requests for Withholding."

Please contact John Dixon at (817) 200-1574 with any questions you have regarding this letter.

Sincerely,



Signed by Miller, Geoffrey
on 03/11/25

Geoffrey B. Miller, Director
Division of Operating Reactor Safety

Docket No. 05000382
License No. NPF-38

Enclosure:
Inspection Plan

cc w/ encl: Distribution via LISTSERV

ANNUAL ASSESSMENT LETTER FOR WATERFORD STEAM ELECTRIC STATION, UNIT 3
REPORT 05000382/2024006 – DATED MARCH 11, 2025

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DOCUMENT NAME: ANNUAL ASSESSMENT LETTER FOR WATERFORD STEAM ELECTRIC STATION, UNIT 3
REPORT 05000382/2024006

ADAMS ACCESSION NUMBER: **ML25064A586**

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OFFICIAL RECORD COPY

Site Inspection Activity Plan

07200075 - Waterford (ISFSI)

01/01/2025 - 12/31/2026

Unit	Start	End	Activity	CAC	Title	Staff Count
Waterford ISFSI Part 72, CBS Closeout						2
	2/3/2025	2/28/2025	IP 60855	001001	Operation Of An ISFSI	

Site Inspection Activity Plan

Waterford

01/01/2025 - 12/31/2026

Unit	Start	End	Activity	CAC	Title	Staff Count
Security Access Control (71130.02), Security Plan Changes (71130.09), Security PIV (71151)						1
3	2/3/2025	2/7/2025	IP 71130.02	000734	Access Control	
3	2/3/2025	2/7/2025	IP 71130.09	001656	Security Plan Changes	
3	2/3/2025	2/7/2025	IP 71151	001338	Performance Indicator Verification	
3	2/3/2025	2/7/2025	IP 71153	001341	Follow Up of Events and Notices of Enforcement Discretion	
W3 2025 INITIAL EXAM						5
3	1/5/2025	1/11/2025	OV	000956	FB-OR-Onsite Validation Of Initial License Examination (OV)	
3	2/9/2025	2/22/2025	EXAD	000500	FB-OR-Initial License Exam Administration (EXAD)	
Waterford ISFSI Part 50 feeder for CBS						2
3	2/13/2025	2/13/2025	IP 60855	001001	Operation Of An ISFSI	
Inservice Inspection -WF3						1
3	4/28/2025	5/9/2025	IP 71111.08P	000702	Inservice Inspection Activities (PWR)	
RP 1,3,PI - WF3						2
3	5/5/2025	5/9/2025	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
3	5/5/2025	5/9/2025	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
3	5/5/2025	5/9/2025	IP 71151	000746	Performance Indicator Verification	
Cybersecurity- WF3						4
3	7/7/2025	7/11/2025	IP 71130.10	000741	Cybersecurity	
W3 2025 BRQ						2
3	7/13/2025	7/19/2025	IP 71111.11B	000704	Licensed Operator Requalification Program and Licensed Operator Performance	
Security Protective Strategy (71130.05) and Target Sets (71130.14)						3
3	8/4/2025	8/8/2025	IP 71130.05	000737	Protective Strategy Evaluation	
3	8/4/2025	8/8/2025	IP 71130.14	000743	Review of Power Reactor Target Sets	
RP 5,8 - WF3						2
3	8/18/2025	8/22/2025	IP 71124.05	000729	Radiation Monitoring Instrumentation	
3	8/18/2025	8/22/2025	IP 71124.08	000732	Radioactive Solid Waste Processing & Radioactive Material Handling, Storage, & Transportation	
Commercial Grade Dedication Inspection - Waterford						3
3	9/8/2025	9/12/2025	IP 71111.21N.03	001808	Commercial Grade Dedication	
3	9/22/2025	9/26/2025	IP 71111.21N.03	001808	Commercial Grade Dedication	
RP 6,7 - WF3						2
3	9/8/2025	9/12/2025	IP 71124.06	000730	Radioactive Gaseous and Liquid Effluent Treatment	
3	9/8/2025	9/12/2025	IP 71124.07	000731	Radiological Environmental Monitoring Program	

Site Inspection Activity Plan

EP 2025 Biennial Exercise & PI Inspection - WF3

4

3	11/17/2025	11/21/2025	IP 71114.01	000716	Exercise Evaluation
3	11/17/2025	11/21/2025	IP 71114.04	000719	Emergency Action Level and Emergency Plan Changes
3	11/17/2025	11/21/2025	IP 71151	001397	Performance Indicator Verification

Security AA-AC-Plan Change-PIV

2

3	1/26/2026	1/30/2026	IP 71130.01	000733	Access Authorization
3	1/26/2026	1/30/2026	IP 71130.02	000734	Access Control
3	1/26/2026	1/30/2026	IP 71130.09	001656	Security Plan Changes
3	1/26/2026	1/30/2026	IP 71151	001338	Performance Indicator Verification

Waterford 2026 PI&R

4

3	2/9/2026	2/27/2026	IP 71152B	000747	Problem Identification and Resolution
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Age-Related Degradation Inspection – Waterford

3

3	5/4/2026	5/8/2026	IP 71111.21N.04	001832	Age-Related Degradation
3	5/18/2026	5/22/2026	IP 71111.21N.04	001832	Age-Related Degradation

Security FFD

1

3	5/18/2026	5/22/2026	IP 71130.08	000740	Fitness-For-Duty Program
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W3 2026 INITIAL EXAM

4

3	7/19/2026	7/25/2026	OV	000956	FB-OR-Onsite Validation Of Initial License Examination (OV)
3	8/16/2026	8/22/2026	EXAD	000500	FB-OR-Initial License Exam Administration (EXAD)

Inservice Inspection - WF3

1

3	10/5/2026	10/16/2026	IP 71111.08P	000702	Inservice Inspection Activities (PWR)
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RP 1,3,PI - WF3

2

3	10/26/2026	10/30/2026	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls
3	10/26/2026	10/30/2026	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation
3	10/26/2026	10/30/2026	IP 71151	000746	Performance Indicator Verification

EP Program & PI Inspection (2026) - W3

1

3	11/30/2026	12/4/2026	IP 71114.02	000717	Alert and Notification System Testing
3	11/30/2026	12/4/2026	IP 71114.03	000718	Emergency Response Organization Staffing and Augmentation System
3	11/30/2026	12/4/2026	IP 71114.04	000719	Emergency Action Level and Emergency Plan Changes
3	11/30/2026	12/4/2026	IP 71114.05	000720	Maintenance of Emergency Preparedness
3	11/30/2026	12/4/2026	IP 71151	001397	Performance Indicator Verification