



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

March 01, 2023

John Ferrick, Site Vice President
Entergy Operations, Inc.
17265 River Road
Killona, LA 70057

SUBJECT: ANNUAL ASSESSMENT LETTER FOR WATERFORD STEAM ELECTRIC
STATION - UNIT 3 (REPORT 05000382/2022006)

Dear John Ferrick:

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, 2022, through December 31, 2022. 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 Regulatory Response Column, the second highest performance column of the NRC's Reactor Oversight Process (ROP) Action Matrix. This conclusion was based on a single inspection finding having low-to-moderate safety significance (i.e., White) in the Emergency Preparedness Cornerstone originating in the second quarter of 2022, and all PIs within the expected range (i.e., Green).

Therefore, in addition to ROP baseline inspections, the NRC plans to conduct a supplemental inspection in accordance with Inspection Procedure 95001, "Supplemental Inspection Response to Action Matrix Column 2 (Regulatory Response) Inputs." Through this inspection, the NRC will review the root and contributing causes, ensure the extent of condition and extent of causes are identified, ensure that completed corrective actions address and preclude repetition, and finally that pending corrective action plans direct prompt and effective actions. The NRC has tentatively scheduled this supplemental inspection for the week of February 27, 2023.

The enclosed inspection plan lists the inspections scheduled through December 31, 2024. 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.

The Regional Administrator has approved the staff's plan to conduct Inspection Procedure 71003, "Post-Approval Site Inspection for License Renewal," at your facility, Unit 3, as indicated in the enclosed inspection plan.

In response to the COVID-19 public health emergency (PHE), the NRC adjusted inspection plans and schedules to safeguard the health and safety of both NRC and licensee staff while still effectively implementing the ROP. While the PHE continues, overall conditions throughout the country support performance of our inspection and oversight activities returning to normal onsite presence by our resident and region-based inspectors and completion of nominal baseline inspection samples. We continue to monitor site-specific conditions and, as discussed in our November 2, 2021, memo, "Implementation of Inspection Programs Following Re-Entry from the Public Health Emergency for the Reactor Safety Program" (ML21295A302), it may be necessary to alter how and when we perform our inspection and oversight activities as we balance the importance of protecting the health and safety of our staff with the need to conduct effective oversight that supports the NRC's critical safety mission.

For inspections requiring extensive coordination with offsite organizations, such as evaluated emergency preparedness exercises, NRC guidance and frequently asked questions for security and emergency preparedness can be found here: <https://www.nrc.gov/about-nrc/covid-19/security-ep/>. Similarly, the NRC has developed guidance if force-on-force inspections cannot be completed as scheduled due to an emergency, such as the COVID-19 PHE. These changes help ensure the health and safety of both NRC and licensee staff while maintaining the NRC's important safety and security mission during the COVID-19 PHE. The attached inspection plan is accurate on the date of issuance but remains subject to change based on approval of potential exemption requests or other changes needed due to changing conditions in the COVID-19 PHE. NRC staff will contact your appropriate regulatory affairs staff in order to coordinate inspection planning and scheduling.

Beginning on January 1, 2023, the engineering inspection frequency transitioned from a triennial (3-year) to a quadrennial (4-year) cycle. The new engineering inspection program consists of a "Comprehensive Engineering Team Inspection (CETI)¹" and three "Focused Engineering Inspections (FEIs)" that will be performed in each quadrennial cycle. For the cycle beginning in 2023, the FEIs will be: "Fire Protection Team Inspection," "Commercial Grade Dedication" and "Age-Related Degradation."

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).

¹ Aspects of the Design Basis Assurance Inspection (DBAI), Evaluations of Changes, Tests, & Experiments, and Heat Sink inspections will be included in the new CETI inspection. Previously scheduled Evaluation of Changes, Tests, & Experiments and Heat Sink inspections have been cancelled and removed from attached Report 22.

Please contact me at 817-200-1146 with any questions you have regarding this letter.

Sincerely,



Signed by Lantz, Ryan
on 03/01/23

Ryan Lantz, 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 05000382/2022006)- DATED MARCH 01, 2023

DISTRIBUTION:

RLewis, ORA
 JMonninger, ORA
 RLantz, DORS
 MHay, DORS
 MFerdas, RIV/OEDO
 DCylkowski, RC
 VDricks, ORA
 LWilkins, OCA
 JDrake, NRR
 AMoreno, RIV/OCA
 RAlexander, RSLO
 JDixon, DORS
 ASanchez, DORS
 APatz, DORS
 AChilds, DORS
 LReyna, DORS
 R4-DORS-IPAT
 RFelts, DRO, NRR
 ABuford, DRO, NRR
 BPham, DORL, NRR
 GSuber, DORL, NRR (Regions II, III, & IV & LLPP)
 KBrock, DPR, NSIR
 SAatak, DSO, NSIR
 DORS Branch Chiefs
 DRSS Branch Chiefs
 DRSS Directors
 Senior Allegations Coordinator
 JDixon-Herrity, Plant Licensing Branch 4, DORL, NRR
 ROP Reports
 ROPassessment.Resource

DOCUMENT NAME: ANNUAL ASSESSMENT LETTER FOR WATERFORD STEAM ELECTRIC STATION –
 UNIT 3 (REPORT 05000382/2022006)

ADAMS ACCESSION NUMBER: **ML23055B077**

SUNSI Review ADAMS: Non-Publicly Available Non-Sensitive Keyword:
 By: ASanchez Yes No Publicly Available Sensitive NRC-002

OFFICE	SRI:DORS/D	SPE:DORS/D	BC:DORS/D	D:DORS
NAME	APatz	ASanchez	JDixon	RLantz
SIGNATURE	/RA/	/RA/	/RA/	/RA/
DATE	02/28/23	02/28/23	02/28/23	03/01/23

OFFICIAL RECORD COPY

Site Inspection Activity Plan

07200075 - Waterford (ISFSI)

01/01/2023 - 12/31/2024

Unit	Start	End	Activity	CAC	Title	Staff Count
Waterford ISFSI Triennial and First Loading of FW system inspection						2
	1/2/2023	3/23/2023	IP 60855	001001	Operation Of An ISFSI	

Site Inspection Activity Plan

Waterford

01/01/2023 - 12/31/2024

Unit	Start	End	Activity	CAC	Title	Staff Count
Waterford ISFSI Triennial and First Loading of FW system inspection (Part 50 Feeder)						2
3	1/2/2023	1/5/2023	IP 60855	001001	Operation Of An ISFSI	
Waterford 3 Emergency Preparedness 95001 Inspection						3
3	1/29/2023	6/30/2023	IP 71153	000749	Follow Up of Events and Notices of Enforcement Discretion	
3	1/29/2023	6/30/2023	IP 95001	000938	Supplemental Inspection Response to Action Matrix Column 2 (Regulatory Response) Inputs	
Security Access Authorization .01 and Access Control .02 + PIV + Plan Change .09						2
3	3/27/2023	3/31/2023	IP 71130.01	000733	Access Authorization	
3	3/27/2023	3/31/2023	IP 71130.02	000734	Access Control	
3	3/27/2023	3/31/2023	IP 71130.09	001656	Security Plan Changes	
3	3/27/2023	3/31/2023	IP 71151	001338	Performance Indicator Verification	
EP 2023 Exercise & PI Inspection - WAT						4
3	6/19/2023	6/23/2023	IP 71114.01	000716	Exercise Evaluation	
3	6/19/2023	6/23/2023	IP 71114.04	000719	Emergency Action Level and Emergency Plan Changes	
3	6/19/2023	6/23/2023	IP 71151	001397	Performance Indicator Verification	
W3 2023 BRQ						3
3	6/25/2023	7/1/2023	IP 71111.11B	000704	Licensed Operator Requalification Program and Licensed Operator Performance	
Security FFD .08						1
3	7/10/2023	7/14/2023	IP 71130.08	000740	Fitness For Duty Program	
RP 5,8						2
3	7/24/2023	7/28/2023	IP 71124.05	000729	Radiation Monitoring Instrumentation	
3	7/24/2023	7/28/2023	IP 71124.08	000732	Radioactive Solid Waste Processing & Radioactive Material Handling, Storage, & Transportation	
Cyber Security Inspection - WAT						4
3	7/24/2023	7/28/2023	IP 71130.10	000741	Cybersecurity	
W3 2023 INITIAL EXAM						5
3	7/23/2023	7/29/2023	OV	000956	FB-OR-ONSITE VALIDATION OF INITIAL LICENSE EXAMINATION (OV)	
3	8/20/2023	8/26/2023	EXAD	000500	FB-OR-INITIAL LICENSE EXAM ADMINISTRATION (EXAD)	
Inservice Inspection - WAT						1
3	10/16/2023	10/27/2023	IP 71111.08P	000702	Inservice Inspection Activities (PWR)	
RP 1,4,PI -						2
3	10/23/2023	10/27/2023	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
3	10/23/2023	10/27/2023	IP 71124.04	000728	Occupational Dose Assessment	

Site Inspection Activity Plan

Comprehensive Engineering Team Inspection - 21M - Waterford						7
3	11/27/2023	12/1/2023	IP 71111.21M	000713	Comprehensive Engineering Team Inspection	
3	12/11/2023	12/15/2023	IP 71111.21M	000713	Comprehensive Engineering Team Inspection	
MC&A						1
3	2/12/2024	2/16/2024	IP 71130.11	000742	Material Control and Accounting (MC&A)	
Security Equipment (.04), Security Training (.07)						2
3	4/8/2024	4/12/2024	IP 71130.04	000736	Equipment Performance, Testing, and Maintenance	
3	4/8/2024	4/12/2024	IP 71130.07	000739	Security Training	
RP 1,4 PI						2
3	5/6/2024	5/10/2024	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
3	5/6/2024	5/10/2024	IP 71124.04	000728	Occupational Dose Assessment	
Fire Protection Inspection - WF3						3
3	7/8/2024	7/12/2024	IP 71111.21N.05	001646	Fire Protection Team Inspection (FPTI)	
3	7/22/2024	7/26/2024	IP 71111.21N.05	001646	Fire Protection Team Inspection (FPTI)	
Security Access Control (.02), Security Plan Changes (.09), Security PIV (71151)						1
3	8/26/2024	8/31/2024	IP 71130.02	000734	Access Control	
3	8/26/2024	8/31/2024	IP 71130.09	001656	Security Plan Changes	
3	8/26/2024	8/31/2024	IP 71151	001338	Performance Indicator Verification	
License Renewal 71003 - WAT (Phase 2)						4
3	9/9/2024	9/13/2024	IP 71003	000687	Post-Approval Site Inspection for License Renewal	
3	9/23/2024	9/27/2024	IP 71003	000687	Post-Approval Site Inspection for License Renewal	
WAT 2024 PI&R Inspection						4
3	10/7/2024	10/11/2024	IP 71152B	000747	Problem Identification and Resolution	
3	10/21/2024	10/25/2024	IP 71152B	000747	Problem Identification and Resolution	
EP Program & PI Inspection (2024) - W3						1
3	10/28/2024	11/1/2024	IP 71114.02	000717	Alert and Notification System Testing	
3	10/28/2024	11/1/2024	IP 71114.03	000718	Emergency Response Organization Staffing and Augmentation System	
3	10/28/2024	11/1/2024	IP 71114.04	000719	Emergency Action Level and Emergency Plan Changes	
3	10/28/2024	11/1/2024	IP 71114.05	000720	Maintenance of Emergency Preparedness	
3	10/28/2024	11/1/2024	IP 71151	001397	Performance Indicator Verification	
FORCE-ON-FORCE PLANNING AND EXERCISE WEEKS - WAT						5
3	11/18/2024	11/22/2024	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
3	12/9/2024	12/13/2024	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	