



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

February 28, 2024

Fadi Diya, Senior Vice President
and Chief Nuclear Officer
Ameren Missouri
8315 County Road 459
Steedman, MO 65077

SUBJECT: ANNUAL ASSESSMENT LETTER FOR CALLAWAY PLANT
(REPORT 05000483/2023006)

Dear Fadi Diya:

The U.S. Nuclear Regulatory Commission (NRC) has completed its end-of-cycle performance assessment of the Callaway Plant, reviewing performance indicators, inspection results, and enforcement actions from January 1, 2023, through December 31, 2023. 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 the Callaway Plant 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, 2025. 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.

The NRC will conduct Inspection Procedure 710003, "Post-Approval Site Inspection for License Renewal," scheduled for March 2024. The NRC has scheduled four major site activities, for calendar year 2024, which was approved by NRC management. In discussions with your staff, they stated the site will be able to support these inspection activities.

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) 200-1141 with any questions you have regarding this letter.

Sincerely,



Signed by Werner, Gregory
on 02/28/24

Gregory E. Werner, Chief
Projects Branch B
Division of Operating Reactor Safety

Docket No. 50-483
License No. NPF-30

Enclosure:
Inspection Plan

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ANNUAL ASSESSMENT LETTER FOR CALLAWAY PLANT (REPORT 05000483/2023006) – DATED FEBRUARY 28, 2024

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ADAMS ACCESSION NUMBER: **ML24045A281**

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

OFFICE	SPE:DORS/B	C:DORS/B				
NAME	DProulx	GWerner				
SIGNATURE	<i>/RA/</i>	<i>GEW</i>				
DATE	02/14/24	02/28/24				

OFFICIAL RECORD COPY

Site Inspection Activity Plan

07201045 - Callaway (ISFSI)

01/01/2024 - 12/31/2025

Unit	Start	End	Activity	CAC	Title	Staff Count
Callaway ISFSI Loading Inspection (one week during campaign) (Part 72)						2
	5/13/2024	5/17/2024	IP 60855	001001	Operation Of An ISFSI	

Site Inspection Activity Plan

Callaway

01/01/2024 - 12/31/2025

Unit	Start	End	Activity	CAC	Title	Staff Count
License Renewal 71003 - CWY (Phase 2)						4
1	3/4/2024	3/8/2024	IP 71003	000687	Post-Approval Site Inspection for License Renewal	
1	3/18/2024	3/22/2024	IP 71003	000687	Post-Approval Site Inspection for License Renewal	
Cyber Security - CWY						4
1	3/24/2024	3/30/2024	IP 71130.10	000741	Cybersecurity	
Security Equipment (.04), Security Training (.07)						2
1	4/22/2024	4/26/2024	IP 71130.04	000736	Equipment Performance, Testing, and Maintenance	
1	4/22/2024	4/26/2024	IP 71130.07	000739	Security Training	
CWY 2024 PI&R Inspection						4
1	5/20/2024	5/24/2024	IP 71152B	000747	Problem Identification and Resolution	
1	6/3/2024	6/7/2024	IP 71152B	000747	Problem Identification and Resolution	
RP 1,4,PI						2
1	6/24/2024	6/28/2024	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1	6/24/2024	6/28/2024	IP 71124.04	000728	Occupational Dose Assessment	
1	6/24/2024	6/28/2024	IP 71151	000746	Performance Indicator Verification	
Security Access Control (.02), Security Plan Changes (.09), Security PIV (71151)						1
1	8/5/2024	8/9/2024	IP 71130.02	000734	Access Control	
1	8/5/2024	8/9/2024	IP 71130.09	001656	Security Plan Changes	
1	8/5/2024	8/9/2024	IP 71151	001338	Performance Indicator Verification	
Commercial Grade Dedication Inspection - Callaway						3
1	9/16/2024	9/20/2024	IP 71111.21N.03	001808	Commercial Grade Dedication	
1	9/30/2024	10/4/2024	IP 71111.21N.03	001808	Commercial Grade Dedication	
EP Program & PI Inspection (2024) - CWY						2
1	9/23/2024	9/27/2024	IP 71114.02	000717	Alert and Notification System Testing	
1	9/23/2024	9/27/2024	IP 71114.03	000718	Emergency Response Organization Staffing and Augmentation System	
1	9/23/2024	9/27/2024	IP 71114.04	000719	Emergency Action Level and Emergency Plan Changes	
1	9/23/2024	9/27/2024	IP 71114.05	000720	Maintenance of Emergency Preparedness	
1	9/23/2024	9/27/2024	IP 71151	001397	Performance Indicator Verification	
MC&A - Material Control and Accounting						1
1	9/23/2024	9/27/2024	IP 71130.11	000742	Material Control and Accounting (MC&A)	
FORCE-ON-FORCE PLANNING AND EXERCISE WEEKS - CWY						5
1	10/28/2024	11/1/2024	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
1	11/18/2024	11/22/2024	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	

Site Inspection Activity Plan

Security Protective Strategy (71130.05) and Target Sets (71130.14)						3
1	2/10/2025	2/14/2025	IP 71130.05	000737	Protective Strategy Evaluation	
1	2/10/2025	2/14/2025	IP 71130.14	000743	Review of Power Reactor Target Sets	
CW 2025 INITIAL EXAM						4
1	2/2/2025	2/8/2025	OV	000956	FB-OR-ONSITE VALIDATION OF INITIAL LICENSE EXAMINATION (OV)	
1	3/9/2025	3/15/2025	EXAD	000500	FB-OR-INITIAL LICENSE EXAM ADMINISTRATION (EXAD)	
Fire Protection Inspection - CWY						3
1	3/31/2025	4/4/2025	IP 71111.21N.05	001646	Fire Protection Team Inspection (FPTI)	
1	4/14/2025	4/18/2025	IP 71111.21N.05	001646	Fire Protection Team Inspection (FPTI)	
Inservice Inspection - CWY						1
1	4/28/2025	5/9/2025	IP 71111.08P	000702	Inservice Inspection Activities (PWR)	
RP 1,3,PI - CW						2
1	5/5/2025	5/9/2025	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1	5/5/2025	5/9/2025	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
1	5/5/2025	5/9/2025	IP 71151	000746	Performance Indicator Verification	
RP 5,6,7,8 - CW						4
1	7/7/2025	7/11/2025	IP 71124.05	000729	Radiation Monitoring Instrumentation	
1	7/7/2025	7/11/2025	IP 71124.06	000730	Radioactive Gaseous and Liquid Effluent Treatment	
1	7/7/2025	7/11/2025	IP 71124.07	000731	Radiological Environmental Monitoring Program	
1	7/7/2025	7/11/2025	IP 71124.08	000732	Radioactive Solid Waste Processing & Radioactive Material Handling, Storage, & Transportation	
CW 2025 BRQ						2
1	7/27/2025	8/2/2025	IP 71111.11B	000704	Licensed Operator Requalification Program and Licensed Operator Performance	
Security Access Control (71130.02), Security Plan Changes (71130.09), PIV (71151)						1
1	8/4/2025	8/8/2025	IP 71130.02	000734	Access Control	
1	8/4/2025	8/8/2025	IP 71130.09	001656	Security Plan Changes	
1	8/4/2025	8/8/2025	IP 71151	001338	Performance Indicator Verification	
EP 2025 Biennial Exercise & PI Inspection - CWY						4
1	9/15/2025	9/19/2025	IP 71114.01	000716	Exercise Evaluation	
1	9/15/2025	9/19/2025	IP 71114.04	000719	Emergency Action Level and Emergency Plan Changes	
1	9/15/2025	9/19/2025	IP 71151	001397	Performance Indicator Verification	