



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

September 1, 2021

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

SUBJECT: UPDATED INSPECTION PLAN FOR CALLAWAY PLANT
(REPORT 05000483/2021005)

Dear Mr. Diya:

The enclosed inspection plan lists the inspections scheduled through June 30, 2023 for the Callaway Plant. The U.S. Nuclear Regulatory Commission (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.

Inspection procedure (IP) 71111.21N.03 is included in the inspection plan as a placeholder for your next Design Basis Assurance Inspection (Programs). The NRC is still determining the specific technical area to replace the previously performed power-operated valves programs inspection, IP 71111.21N.02. Once the inspection area has been determined, an inspection procedure will be issued publicly at least six months prior to the start of this inspection.

In response to the COVID-19 public health emergency (PHE), the NRC is adjusting inspection plans and schedules in order to safeguard the health and safety of both NRC and licensee staff while still effectively implementing the Reactor Oversight Process (ROP). Each planned inspection is being carefully reviewed in order to determine if any portions of the inspection can be performed remotely, determine how best to perform on-site portions to minimize personnel health risks, and adjust inspection schedules if needed. This is done in accordance with guidance contained in the February 1, 2021 memo, "Calendar Year 2021 Inspection Guidance During COVID-19 Telework Restrictions" (Agencywide Documents Access and Management System (ADAMS) Accession No. ML21027A274). 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.

The NRC plans to conduct a supplemental inspection in accordance with Inspection Procedure 95001, "Supplemental Inspection Response to Action Matrix Column 2 Inputs" due to exceeding the White threshold for the Unplanned Scrams per 7000 Critical Hours Performance Indicator. The inspection will be scheduled after you notify the NRC of your readiness for this inspection in writing.

The NRC will also be performing baseline inspections of licensee cyber security programs. The specific schedule and procedure to be used for these inspections is being developed by the NRC staff. The staff expects to communicate the schedule for these inspections to each utility separately.

In accordance with Title 10 of the *Code of Federal Regulations* (10 CFR) 2.390 of the NRC's "Agency Rules of Practice and Procedure," 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). [Note: Verify the Web site works, and update it, if necessary.]

Please contact me at 817-200-1141 with any questions you have regarding this letter.

Sincerely,

Neil F. O'Keefe, Chief
Project Branch B
Division of Reactor Projects

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

Enclosure:
Inspection Plan

cc w/ encl: Distribution via LISTSERV®

UPDATED INSPECTION PLAN FOR CALLAWAY PLANT (REPORT 05000483/2021005)
 DATED – SEPTEMBER 1, 2021

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 ROP Assessment

ADAMS ACCESSION NUMBER: ML21237A520

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

OFFICE	PE:DRP/PBB	SPE:DRP/PBB	BC:DRP/PBB			
NAME	JMelfi JM	DProulx DLP	NO'Keefe nfo			
DATE	08/23/2021	08/23/2021	09/01/2021			

OFFICIAL RECORD COPY

IP 22b Site Inspection Activity Plan

Callaway

07/01/2021 - 06/30/2023

Unit	Start	End	Activity	CAC	Title	Staff Count
In-Office EP Exercise Scenario Review - CWY						4
1	7/6/2021	8/21/2021	IP 71114.08	000723	Exercise Evaluation □ Scenario Review	
Heat Sink Performance 07T - Callaway						2
1	9/13/2021	9/17/2021	IP 71111.07T	000700	Heat Sink Performance	
FORCE-ON-FORCE PLANNING AND EXERCISE WEEKS - CWY						6
1	9/13/2021	9/17/2021	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
EP Exercise & PI Inspection - CWY						4
1	9/20/2021	9/24/2021	IP 71114.01	000716	Exercise Evaluation	
1	9/20/2021	9/24/2021	IP 71114.04	000719	Emergency Action Level and Emergency Plan Changes	
1	9/20/2021	9/24/2021	IP 71151	001397	Performance Indicator Verification	
Security Access Authorization .01 and Access Control .02 w/PIV						2
1	10/4/2021	10/8/2021	IP 71130.01	000733	Access Authorization	
1	10/4/2021	10/8/2021	IP 71130.02	000734	Access Control	
1	10/4/2021	10/8/2021	IP 71130.09	001656	Security Plan Changes	
1	10/4/2021	10/8/2021	IP 71151	001338	Performance Indicator Verification	
RP 1,2,3,PI						2
1	11/1/2021	11/5/2021	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1	11/1/2021	11/5/2021	IP 71124.02	000726	Occupational ALARA Planning and Controls	
1	11/1/2021	11/5/2021	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
CW 2022 INITIAL EXAM						5
1	1/9/2022	1/15/2022	OV	000956	FB-OR-ONSITE VALIDATION OF INITIAL LICENSE EXAMINATION (OV)	
1	2/13/2022	2/19/2022	EXAD	000500	FB-OR-INITIAL LICENSE EXAM ADMINISTRATION (EXAD)	
Security Protective Strategy .05						2
1	2/28/2022	3/4/2022	IP 71130.05	000737	Protective Strategy Evaluation	
Cyber Security Inspection - CWY						4
1	3/28/2022	4/1/2022	IP 71130.10P	000741	Cyber Security	
Inservice Inspection RF25 - CWY						1
1	4/4/2022	4/17/2022	IP 71111.08P	000702	Inservice Inspection Activities (PWR)	
RP 1,2,PI						2
1	4/11/2022	4/15/2022	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1	4/11/2022	4/15/2022	IP 71124.02	000726	Occupational ALARA Planning and Controls	
RP 6,7						2
1	6/6/2022	6/10/2022	IP 71124.06	000730	Radioactive Gaseous and Liquid Effluent Treatment	

IP 22b Site Inspection Activity Plan

1	6/6/2022	6/10/2022	IP 71124.07	000731	Radiological Environmental Monitoring Program	
Fire Protection Inspection - CWY						3
1	6/27/2022	7/1/2022	IP 71111.21N.05	001646	Fire Protection Team Inspection (FPTI)	
1	7/11/2022	7/15/2022	IP 71111.21N.05	001646	Fire Protection Team Inspection (FPTI)	
Security Access Control .02						1
1	5/16/2022	8/26/2022	IP 71130.09	001656	Security Plan Changes	
1	7/11/2022	7/15/2022	IP 71130.02	000734	Access Control	
1	7/11/2022	7/15/2022	IP 71151	001338	Performance Indicator Verification	
Callaway Biennial PI&R						4
1	8/15/2022	8/19/2022	IP 71152B	000747	Problem Identification and Resolution	
1	8/29/2022	9/2/2022	IP 71152B	000747	Problem Identification and Resolution	
RP 2,4						2
1	9/12/2022	9/16/2022	IP 71124.02	000726	Occupational ALARA Planning and Controls	
1	9/12/2022	9/16/2022	IP 71124.04	000728	Occupational Dose Assessment	
Security Training/Equip Maint .07 and .04						2
1	9/12/2022	9/16/2022	IP 71130.04	000736	Equipment Performance, Testing, and Maintenance	
1	9/12/2022	9/16/2022	IP 71130.07	000739	Security Training	
Power-Operated Valves Inspection - 21N - Callaway						3
1	10/17/2022	11/4/2022	IP 71111.21N.02	001645	Design-Basis Capability of Power-Operated Valves Under 10 CFR 50.55a Requirements	
EP 2022 Program & PI Inspection - CWY						1
1	11/28/2022	12/2/2022	IP 71114.02	000717	Alert and Notification System Testing	
1	11/28/2022	12/2/2022	IP 71114.03	000718	Emergency Response Organization Staffing and Augmentation System	
1	11/28/2022	12/2/2022	IP 71114.04	000719	Emergency Action Level and Emergency Plan Changes	
1	11/28/2022	12/2/2022	IP 71114.05	000720	Maintenance of Emergency Preparedness	
1	11/28/2022	12/2/2022	IP 71151	001397	Performance Indicator Verification	
Design Bases Assurance Inspection (Team) - 21N - Callaway						6
1	1/1/2023	6/30/2023	IP 71111.21M	000713	Design Bases Assurance Inspection (Teams)	
In-Office EP Exercise Scenario Review (2023) - CWY						4
1	2/12/2023	3/18/2023	IP 71114.08	000723	Exercise Evaluation □ Scenario Review	
Security Access Authorization .01 and Access Control .02 + PIV + Plan Change .09						2
1	3/6/2023	3/10/2023	IP 71130.01	000733	Access Authorization	
1	3/6/2023	3/10/2023	IP 71130.02	000734	Access Control	
1	3/6/2023	3/10/2023	IP 71130.09	001656	Security Plan Changes	
1	3/6/2023	3/10/2023	IP 71151	001338	Performance Indicator Verification	
EP Exercise & PI Inspection (2023) - CWY						4
1	4/17/2023	4/21/2023	IP 71114.01	000716	Exercise Evaluation	

IP 22b Site Inspection Activity Plan

1	4/17/2023	4/21/2023	IP 71114.04	000719	Emergency Action Level and Emergency Plan Changes	
1	4/17/2023	4/21/2023	IP 71151	001397	Performance Indicator Verification	
FORCE-ON-FORCE PLANNING AND EXERCISE - CWY						4
1	5/15/2023	5/19/2023	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
1	6/5/2023	6/9/2023	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
RP 5,8						2
1	6/12/2023	6/16/2023	IP 71124.05	000729	Radiation Monitoring Instrumentation	
1	6/12/2023	6/16/2023	IP 71124.08	000732	Radioactive Solid Waste Processing & Radioactive Material Handling, Storage, & Transportation	
CW 2023 BRQ						3
1	6/18/2023	6/24/2023	IP 71111.11B	000704	Licensed Operator Requalification Program and Licensed Operator Performance	