



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

May 06, 2024

Kent Scott, Site Vice President
Ameren Missouri
8315 County Road 459
Steedman, MO 65077

SUBJECT: CALLAWAY PLANT – SECURITY BASELINE INSPECTION REPORT
05000483/2024402

Dear Kent Scott:

On April 25, 2024, the U.S. Nuclear Regulatory Commission (NRC) completed an inspection at Callaway Plant and discussed the results of this inspection with you and other members of your staff. The results of this inspection are documented in the enclosed report.

No findings or violations of more than minor significance were identified during this inspection.

This letter, its enclosure, and your response (if any) will be made available for public inspection and copying at <http://www.nrc.gov/reading-rm/adams.html> 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."

Sincerely,

A handwritten signature in cursive script that reads "Ray Kellar".

Signed by Kellar, Ray
on 05/06/24

Ray L. Kellar, P.E., Chief
Physical Security Branch
Division of Radiological Safety & Security

Docket No. 05000483
License No. NPF-30

Enclosure:
As stated

cc w/ encl: Distribution via LISTSERV

CALLAWAY PLANT – SECURITY BASELINE INSPECTION REPORT 05000483/2024402
DATED MAY 06, 2024

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Non-Public Designation Category: MD 3.4 Non-Public _____ (A.3 - A.7 or B.1)
 ADAMS ACCESSION NUMBER: **ML24127A214**

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OFFICE	PSI:DRSS/PSB	PSI:DRSS/PSB	BC:DRSS/PSB		
NAME	RLanfear	WTejada	RKellar		
DATE	05/06/24	05/06/24	05/06/24		

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**U.S. NUCLEAR REGULATORY COMMISSION
Inspection Report**

Docket No. 05000483

License No. NPF-30

Report No. 05000483/2024402

Enterprise Identifier: I-2024-402-0005

Licensee: Ameren Missouri

Facility: Callaway Plant

Location: Steedman, MO

Inspection Dates: April 22, 2024, to April 25, 2024

Inspectors: R. Lanfear, Physical Security Inspector
W. Tejada, Physical Security Inspector

Approved By: Ray L. Kellar, P.E., Chief
Physical Security Branch
Division of Radiological Safety & Security

Enclosure

SUMMARY

The U.S. Nuclear Regulatory Commission (NRC) continued monitoring the licensee's performance by conducting a security baseline inspection at Callaway Plant, in accordance with the Reactor Oversight Process. The Reactor Oversight Process is the NRC's program for overseeing the safe operation of commercial nuclear power reactors. Refer to <https://www.nrc.gov/reactors/operating/oversight.html> for more information.

List of Findings and Violations

No findings or violations of more than minor significance were identified.

Additional Tracking Items

None.

INSPECTION SCOPES

Inspections were conducted using the appropriate portions of the inspection procedures (IPs) in effect at the beginning of the inspection unless otherwise noted. Currently approved IPs with their attached revision histories are located on the public website at <http://www.nrc.gov/reading-rm/doc-collections/insp-manual/inspection-procedure/index.html>. Samples were declared complete when the IP requirements most appropriate to the inspection activity were met consistent with Inspection Manual Chapter (IMC) 2201, "Security Inspection Program for Commercial Nuclear Power Reactors." The inspectors reviewed selected procedures and records, observed activities, and interviewed personnel to assess licensee performance and compliance with Commission rules and regulations, license conditions, site procedures, and standards.

SAFEGUARDS

71130.04 - Equipment Performance, Testing, and Maintenance

The inspectors evaluated the security equipment testing and maintenance program through the following procedure elements:

Equipment Performance, Testing, and Maintenance (1 Sample)

- (1)
 - Tier I: All Requirements
 - Tier II: All Requirements
 - Tier III: All Requirements

71130.07 - Security Training

The inspectors evaluated the security training program through completion of the following procedure elements:

Security Training (1 Sample)

- (1)
 - Tier I: All Requirements
 - Tier II: All Requirements
 - Tier III: All Requirements (Except 02.14a)

INSPECTION RESULTS

No findings were identified.

EXIT MEETINGS AND DEBRIEFS

The inspectors verified no proprietary information was retained or documented in this report.

- On April 25, 2024, the inspectors presented the security baseline inspection results to Kent Scott, Site Vice President, and other members of the licensee staff.

DOCUMENTS REVIEWED

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
71130.04	Miscellaneous	22512764.500	Wax Microwave Zone Heads	Rev. 0
		23508344.200	Lubrication on HLSK001 (Work in Pit)	Rev. 0
		23509052.475	Inspect Motor at HLSK002	Rev. 0
		J-1010-00076	Instruction Manual CEIA PMD2 Metal Detector	Rev. 0
		J-1010-00077	Users Guide & Tech Manual for High-Scan X-Ray	Rev. 1
		J-1010-00080	Installation and Maintenance Manual for Itemiser 3 Contraband Detection and Identification System	Rev. 3
		J-1010-00086	Conventional X-Ray Inspection Units, High-Scan with HiTrax Electronics	Rev. 0
		PM0824934	Perform Load Test of Security D/G	
		S120.0039	Stores 1 Checklist	09/28/2022
		S130.0001	Nighttime Camera Assessment	04/15/2023
	S130.0039	Lockdown Gate Test Form	02/17/2017	
	Procedures	185002767.500	Replace Batteries in XSK326AUPS1 and XSK326ABAT1	Rev. 0
		21512906.510	HY-Security Lockdown Gate Operator Inspection MGOUB3040	Rev. 0
		23512309.500	Security Computer Equipment Cleaning	Rev. 0
		DP-SF-00033	Security firearms Maintenance and Contingency Equipment Inspection Programs	Rev. 18
		OST-UB-0002	Security Diesel Generator Load Test	Rev. 14
		OTS-UB-00001	Security Diesel Generator Operability Test	Rev. 20
		OTS-UB-00002	Security Diesel Generator Load Test	Rev. 14
		PM1002460	Replace UPS Batteries in CSLSK001UPS and CSSK001BAT1	Rev. 0
		S120.0031	Equipment Problems Log	03/24/2024
		S130.00001	PA/VA Door Testing	04/30/2023
		S130.0001	PA/VA Quarterly/Outage Alarm Tests	04/30/2023
		S130.0055	Sally Port VBS Barrier Test Form	05/31/2021
		SDP-PI-AG/AR	AR-15 Armorers Guide for Functioning Checks/Gauging, Lubrication, Troubleshooting, & Repairs	Rev. 02
		SDP-PI-AG/GL	Glock Armorers Guide for Field Inspection, Maintenance,	Rev. 01

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
			Lubrication, Troubleshooting & Repairs	
		SDP-PI-FA/CE	Firearms/Contingency Equipment	Rev. 30
		SDP-PI-FC/AR	Proper Procedure for Field Cleaning the AR-15 Rifle	Rev. 05
		SDP-PI-PM/AR	Proper Procedure for AR-15 Rifle Preventive Maintenance, Cleaning, Disassembly, Cleaning, Lubricating, and Reassembly	Rev. 04
		SDP-PI-PM/GL	Proper Procedure for Glock Pistol Preventive Maintenance, Cleaning, Disassembly, Cleaning, Lubricating, and Reassembly	Rev. 03
		SDP-SF-00002	Testing of Security Equipment	Rev. 41
		SDP-SF-00002	Detection Rate Test for Zones	02/04/2019
	Work Orders	18501370	UPS PM SK006AUPS	02/10/2022
		18502767	Replace Batteries in XSK326 and XSK326ABAT1	03/14/2018
		22004736	MOD 22-0021 Iris Upgrade Mod Package	11/23/2022
		22509448	Perform Annual Summer Tamper Testing	03/11/2023
		23509899	Check of Heavy-Duty Gate (MAF) MGOUB3002	09/25/2023
		71130.07	Corrective Action Documents	202208010, 202305547, 202206559, 202302824, 02302897
71130.07	Corrective Action Documents Resulting from Inspection	202402954, 202402975, 202402992, 202402994, 202402995, 202403025, 202403026, 202403035, 202402953		
71130.07	Miscellaneous		Critical Administrative Functions	10/07/2022
			Handgun and Rifle Course of Fires	08/14/2023
		TFC	Tactical Qualification	08/14/2023
71130.07	Procedures	20040609	Authority of Private Security: Use of Force	03/11/2020

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
		20070531	Armed Responder Duties: Armed Responder Patrol Duties	10/07/2022
		SDP-SF-00013	Administration of Security Training	26
		SDP-SF-00023	Security Training Qualification and Examination	26
		Training Records	Various Security Officer	