



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

April 12, 2023

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

SUBJECT: CALLAWAY PLANT – INTEGRATED INSPECTION REPORT
05000483/2023001

Dear Fadi Diya:

On March 31, 2023, the U.S. Nuclear Regulatory Commission (NRC) completed an inspection at the Callaway Plant. On April 5, 2023, the NRC inspectors discussed the results of this inspection with Kent Scott, Site Vice President, and other members of your staff. The results of this inspection are documented in the enclosed report.

One finding of very low safety significance (Green) is documented in this report. This finding involved a violation of NRC requirements. We are treating this violation as a noncited violation (NCV) consistent with Section 2.3.2 of the Enforcement Policy.

If you contest the violation or the significance or severity of the violation documented in this inspection report, you should provide a response within 30 days of the date of this inspection report, with the basis for your denial, to the U.S. Nuclear Regulatory Commission, ATTN: Document Control Desk, Washington, DC 20555-0001; with copies to the Regional Administrator, Region IV; the Director, Office of Enforcement; and the NRC Resident Inspector at the Callaway Plant.

If you disagree with a cross-cutting aspect assignment in this report, you should provide a response within 30 days of the date of this inspection report, with the basis for your disagreement, to the U.S. Nuclear Regulatory Commission, ATTN: Document Control Desk, Washington, DC 20555-0001; with copies to the Regional Administrator, Region IV; and the NRC Resident Inspector at the Callaway Plant.

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,



Signed by Werner, Gregory
on 04/12/23

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

Docket No. 05000483
License No. NPF-30

Enclosure:
As stated

cc w/ encl: Distribution via LISTSERV

CALLAWAY PLANT – INTEGRATED INSPECTION REPORT 05000483/2023001- DATED APRIL 12, 2023

DISTRIBUTION:

- RLewis, ORA
- JMonninger, ORA
- RLantz, DORS
- MHay, DORS
- PZurawski, RIV/OEDO
- VDricks, ORA
- LWilkins, OCA
- MChawla, NRR
- AMoreno, RIV/OCA
- RAlexander, RSLO
- GWerner, DORS
- DProulx, DORS
- ASaunders, DORS
- BNytko, DORS
- SSchwind, DORS
- DBradley, NRR
- DYancey, DORS
- R4-DORS-IPAT
- R4Enforcement

DOCUMENT NAME: CALLAWAY PLANT – INTEGRATED INSPECTION REPORT 05000483/2023001

ADAMS ACCESSION NUMBER: **ML23102A139**

<input checked="" type="checkbox"/> SUNSI Review		<input checked="" type="checkbox"/> Non-Sensitive <input type="checkbox"/> Sensitive		<input checked="" type="checkbox"/> Publicly Available <input type="checkbox"/> Non-Publicly Available
OFFICE	SRI/DORS/B	SRI/DORS/B	SPE/DORS/B	C:DORS/B
NAME	SSchwind	DBradley	DProulx	GWerner
SIGNATURE	/RA/	/RA/	/RA/	/RA/
DATE	04/07/23	04/07/23	04/07/23	04/12/23

OFFICIAL RECORD COPY

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

Docket Number: 05000483

License Number: NPF-30

Report Number: 05000483/2023001

Enterprise Identifier: I-2023-001-0006

Licensee: Ameren Missouri

Facility: Callaway Plant

Location: Steedman, MO

Inspection Dates: January 1 to March 31, 2023

Inspectors: S. Schwind, Senior Resident Inspector
D. Bradley, Senior Resident Inspector
S. Hedger, Senior Emergency Preparedness Inspector
D. Nani, Project Engineer

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

Enclosure

SUMMARY

The U.S. Nuclear Regulatory Commission (NRC) continued monitoring the licensee’s performance by conducting an integrated inspection at the 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

Failure to Implement Actions per Technical Specification 3.7.20			
Cornerstone	Significance	Cross-Cutting Aspect	Report Section
Mitigating Systems	Green NCV 05000483/2023001-01 Open/Closed	[H.11] - Challenge the Unknown	71153
<p>The inspectors reviewed a self-revealed Green noncited violation of Technical Specification 3.7.20 when the licensee failed to implement the required technical specification actions for a failure of the train A class 1E switchgear room air conditioning system. Specifically, on October 25, 2022, the licensee identified condensation and frost on thermal expansion valve 1 which was indicative of a failure of the valve. Subsequently, on October 27, 2022, air conditioning unit SGK05A was discovered not running and then failed to start. Technical Specification 3.7.20 was entered at that time, and the actions were satisfied.</p>			

Additional Tracking Items

Type	Issue Number	Title	Report Section	Status
LER	05000483/2022-003-00	LER 2022-003-00 for Callaway, Unit 1, Class 1E Electrical Air Conditioning System Thermal Expansion Valve Failure Resulted in Condition Prohibited by Technical Specifications	71153	Closed

PLANT STATUS

The Callaway plant began the inspection period at rated thermal power and remained at or near rated thermal power for the remainder of the inspection period.

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) 2515, "Light-Water Reactor Inspection Program - Operations Phase." The inspectors performed activities described in IMC 2515, Appendix D, "Plant Status," observed risk significant activities, and completed on-site portions of IPs. 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.

REACTOR SAFETY

71111.04 - Equipment Alignment

Partial Walkdown Sample (IP Section 03.01) (3 Samples)

The inspectors evaluated system configurations during partial walkdowns of the following systems/trains:

- (1) centrifugal charging pump train B on January 4, 2023
- (2) emergency diesel generator train A starting air system on January 11, 2023
- (3) emergency exhaust train B on February 14, 2023

Complete Walkdown Sample (IP Section 03.02) (1 Sample)

- (1) The inspectors evaluated system configurations during a complete walkdown of train B of the motor-driven auxiliary feedwater system on January 17, 2023.

71111.05 - Fire Protection

Fire Area Walkdown and Inspection Sample (IP Section 03.01) (4 Samples)

The inspectors evaluated the implementation of the fire protection program by conducting a walkdown and performing a review to verify program compliance, equipment functionality, material condition, and operational readiness of the following fire areas:

- (1) radioactive waste building general area, fire area RW-1 on January 9, 2023
- (2) ultimate heat sink cooling tower trains A and B, fire pumphouse, and demineralized water plant, fire areas UNPH, USPH, and YD-1 on January 10, 2023
- (3) turbine building 2000' elevation including the auxiliary boiler room and lube oil storage tanks room, fire areas TB1 and AB-1 on January 26, 2023
- (4) auxiliary building 1974' elevation, train A emergency core cooling pump rooms on March 6, 2023

Fire Brigade Drill Performance Sample (IP Section 03.02) (1 Sample)

- (1) The inspectors evaluated the onsite fire brigade training and performance during an announced fire drill on March 20, 2023.

71111.11Q - Licensed Operator Requalification Program and Licensed Operator Performance

Licensed Operator Performance in the Actual Plant/Main Control Room (IP Section 03.01) (1 Sample)

- (1) The inspectors observed and evaluated licensed operator performance in the control room during surveillance testing on January 18, 2023.

Licensed Operator Requalification Training/Examinations (IP Section 03.02) (1 Sample)

- (1) The inspectors observed and evaluated simulator training activities on January 9, 2023.

71111.12 - Maintenance Effectiveness

Maintenance Effectiveness (IP Section 03.01) (2 Samples)

The inspectors evaluated the effectiveness of maintenance to ensure the following structures, systems, and components (SSCs) remain capable of performing their intended function:

- (1) anticipated transient without scram mitigating system actuation circuitry on January 4, 2023
- (2) refrigerant leak on the train A control room air conditioning unit SGK04A on September 27, 2022

Quality Control (IP Section 03.02) (1 Sample)

The inspectors evaluated the effectiveness of maintenance and quality control activities to ensure the following SSC remains capable of performing its intended function:

- (1) failure of thermostatic expansion valve 1 (TXV-1) on the train A class 1E electrical equipment room air conditioning unit SGK05A on October 22, 2022

71111.13 - Maintenance Risk Assessments and Emergent Work Control

Risk Assessment and Management Sample (IP Section 03.01) (4 Samples)

The inspectors evaluated the accuracy and completeness of risk assessments for the following planned and emergent work activities to ensure configuration changes and appropriate work controls were addressed:

- (1) planned elevated risk for atmospheric steam dump work window on January 31, 2023
- (2) planned elevated risk for motor-driven auxiliary feedwater pump train B work window on February 22, 2023

- (3) elevated risk during emergent leak repair on essential service water train B on March 9, 2023
- (4) planned elevated risk for emergency exhaust system train A work window on February 14, 2023

71111.15 - Operability Determinations and Functionality Assessments

Operability Determination or Functionality Assessment (IP Section 03.01) (5 Samples)

The inspectors evaluated the licensee's justifications and actions associated with the following operability determinations and functionality assessments:

- (1) pressurizer heater capacity on January 19, 2023
- (2) safety-related inverter fuses on January 24, 2023
- (3) emergency diesel generator A starting air issue on March 1, 2023
- (4) boric acid leak on safety injection pump train B discharge pressure relief valve on January 5, 2023
- (5) emergency diesel generator train B exhaust leak on March 12, 2023

71111.24 - Testing and Maintenance of Equipment Important to Risk

The inspectors evaluated the following testing and maintenance activities to verify system operability and/or functionality:

Post-Maintenance Testing (PMT) (IP Section 03.01) (3 Samples)

- (1) containment spray train A after a planned work window on February 8, 2023
- (2) emergency diesel generator on March 2, 2023
- (3) motor-driven auxiliary feedwater pump train A planned work window on March 15, 2023

Surveillance Testing (IP Section 03.01) (3 Samples)

- (1) procedure OSP-NE-0001A, train A standby diesel generator periodic test on March 15, 2023
- (2) procedure OSP-SA-0017B, train B safety injection and containment spray actuation system slave relay test on January 4, 2023
- (3) procedure OSP-BG-P005B, train B centrifugal charging pump inservice test on March 22, 2023

Inservice Testing (IST) (IP Section 03.01) (1 Sample)

- (1) turbine-driven auxiliary feedwater system pump and valve inservice test on January 25, 2023

71114.06 - Drill Evaluation

Select Emergency Preparedness Drills and/or Training for Observation (IP Section 03.01) (1 Sample)

- (1) emergency response organization team 5 training drill on February 2, 2023

Drill/Training Evolution Observation (IP Section 03.02) (1 Sample)

The inspectors evaluated:

- (1) emergency preparedness dress rehearsal drill on February 28, 2023

71114.08 - Exercise Evaluation - Scenario Review

Inspection Review (IP Section 02.01 - 02.04) (1 Sample)

- (1) The inspectors reviewed the licensee's preliminary exercise scenario that was submitted to the NRC on February 16, 2023 (ML23047A263 and ML23047A264), for the exercise scheduled to occur on April 18, 2023. The inspectors discussed the preliminary scenario with D. Harris, Manager, Emergency Preparedness, and other members of the emergency preparedness staff on March 8, 2023. The review does not constitute NRC approval of the scenario.

OTHER ACTIVITIES – BASELINE

71151 - Performance Indicator Verification

The inspectors verified licensee performance indicator submittals listed below:

MS06: Emergency AC Power Systems (IP Section 02.05) (1 Sample)

- (1) January 1, 2022, through December 31, 2022

MS10: Cooling Water Support Systems (IP Section 02.09) (1 Sample)

- (1) January 1, 2022, through December 31, 2022

BI01: Reactor Coolant System (RCS) Specific Activity Sample (IP Section 02.10) (1 Sample)

- (1) January 1, 2022, through December 31, 2022

71152A - Annual Follow-up Problem Identification and Resolution

Annual Follow-up of Selected Issues (Section 03.03) (1 Sample)

- (1) control of transient combustible material

71153 - Follow Up of Events and Notices of Enforcement Discretion

Event Report (IP Section 03.02)

- (1) The inspectors evaluated Licensee Event Report 05000483/2022-003-00, "Class 1E Electrical Air Conditioning System Thermal Expansion Valve Failure Resulted in Condition Prohibited by Technical Specifications" (ADAMS Accession No. ML 22355A440) (Closed). The inspection conclusions associated with this LER are documented below.

INSPECTION RESULTS

Failure to Implement Actions per Technical Specification 3.7.20			
Cornerstone	Significance	Cross-Cutting Aspect	Report Section
Mitigating Systems	Green NCV 05000483/2023001-01 Open/Closed	[H.11] — Challenge the Unknown	71153
<p>The inspectors reviewed a self-revealed Green noncited violation of Technical Specification (TS) 3.7.20 when the licensee failed to implement the required TS actions for a failure of the train A class 1E switchgear room air conditioning system. Specifically, on October 25, 2022, the licensee identified condensation and frost on thermal expansion valve 1 (TXV-1) which was indicative of a failure of the valve. Subsequently, on October 27, 2022, air conditioning unit SGK05A was discovered not running and then failed to start. Technical Specification 3.7.20 was entered at that time and the actions were satisfied.</p> <p><u>Description:</u> On October 25, 2022, the licensee observed condensation and frost on TXV-1 for the train A class 1E switchgear room air conditioning system which was indicative of a valve malfunction. This observation was made 3 days after the system had been restored from significant online maintenance which included replacing the internal components of all four thermal expansion valves. The licensee documented this in condition report 202207056, which was closed to job 22004321, that had been written to investigate condensation and frost on the refrigerant lines. Operators reviewed the condition report and concluded that the condition did not affect operability of air conditioning unit SGK05A, since the compressor continued to operate, and temperatures were normal in the class 1E switchgear rooms.</p> <p>On October 27, 2022, operators discovered that the compressor for air conditioning unit SGK05A was not running. The operators adjusted the thermostat, then attempted to start the compressor and it tripped offline. The licensee declared the system inoperable, initiated condition report 202207111, and implemented the actions of TS 3.7.20, as they began investigating the frosted lines using job 22004321. During troubleshooting, the licensee determined that the new valve internals for TXV-1 were binding in the old valve body, causing the valve to stick. In their investigation, the licensee also noted that the method of post-maintenance testing used did not explicitly test TXV-1 since this valve only operates during low compressor loading and the test occurred when the compressor was operating at a higher load.</p> <p>The licensee determined that the train A class 1E switchgear room air conditioning system should have been declared inoperable on October 25 when condensation and frost had been observed on TXV-1. Technical Specification 3.7.20.A required immediate actions to compensate for this failure, along with other actions within 1 hour or place the plant in hot standby (Mode 3) within the next 6 hours, which was not done.</p> <p>Corrective Actions: The licensee generated a condition report to document the issues identified with the failure of TXV-1 and replaced the entire valve as well as similar valves that previously had only the internals replaced. An extent of condition reviewed other TXVs that had undergone similar maintenance and the post-maintenance test procedure was planned to be modified to test TXV-1 under appropriate operating conditions.</p> <p>Corrective Action References: condition report 202207111</p>			

Performance Assessment:

Performance Deficiency: The licensee's failure to recognize an inoperable condition on the train A class 1E switchgear room air conditioning system and implement the required TS actions was a performance deficiency.

Screening: The inspectors determined the performance deficiency was more than minor because it was associated with the Equipment Performance attribute of the Mitigating Systems cornerstone and adversely affected the cornerstone objective to ensure the availability, reliability, and capability of systems that respond to initiating events to prevent undesirable consequences. Specifically, the licensee did not recognize that frost on TXV-1 was indicative of a malfunction of the thermal expansion valve which rendered SGK05A inoperable.

Significance: The inspectors assessed the significance of the finding using IMC 0609, Appendix A, "The Significance Determination Process (SDP) for Findings At-Power," Exhibit 2, "Mitigating Systems Screening Questions," dated November 30, 2020. The finding was not a design or qualification deficiency and the train A class 1E switchgear maintained its PRA functionality, therefore it was determined to be of very low safety significance (Green).

Cross-Cutting Aspect: H.11 - Challenge the Unknown: Individuals stop when faced with uncertain conditions. Risks are evaluated and managed before proceeding. Plant personnel did not challenge the existence of condensation and frost on the refrigerant line of air conditioning unit SGK05A, a condition which commonly indicates a malfunction of a thermal expansion valve.

Enforcement:

Violation: Technical Specification 3.7.20.A requires that, upon discovery of an inoperable condition of one class 1E electrical equipment air conditioning train, immediate action be taken to implement mitigating actions, and verification of room temperatures less than or equal to 90°F within 1 hour and once per 4 hours thereafter, or to place the plant in Mode 3 within the next 6 hours.

Contrary to the above, the licensee failed to recognize that the train A class 1E switchgear room air conditioning system was inoperable due to a malfunction of TXV-1 following maintenance. Specifically, from October 25 to October 27, 2022, the licensee failed to implement the actions of TS 3.7.20.A to immediately take mitigating actions and verify room temperatures less than or equal to 90°F within 1 hour and once per 4 hours thereafter or place the plant in Mode 3 within the next 6 hours. The licensee did not recognize the condition and failed to declare the system inoperable until a failure of the system was discovered two days later at which time the actions of TS 3.7.20.A were satisfied.

Enforcement Action: This violation is being treated as a noncited violation, consistent with Section 2.3.2 of the Enforcement Policy.

EXIT MEETINGS AND DEBRIEFS

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

- On March 8, 2023, the inspectors presented the emergency preparedness exercise scenario review inspection results to Daniel Harris, Manager, Emergency Preparedness, and other members of the licensee staff.
- On April 5, 2023, the inspectors presented the integrated 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
71111.04	Corrective Action Documents	Condition Reports	202102997, 201303180, 201304626, 202003913, 202003966, 202005322, 202006843, 202100132, 202200531, 202200677, 202202221, 202203221, 202206944, 202207698, 202300378, 202300503, 202301002, 202301114	
71111.04	Miscellaneous	AL-29	Calculation: Auxiliary Feedwater System Performance During a Feedline Break	3
71111.04	Miscellaneous	RFR 16691	Evaluate CCP Lube Oil Pumps	B
71111.04	Procedures	E-0	Reactor Trip or Safety Injection	28
71111.04	Procedures	EOP, Addendum 18	AFW Emergency Valve Alignment	2
71111.04	Procedures	EOP, Addendum 19	Aligning ESW to AFW Suction	4
71111.04	Procedures	EOP, Addendum 42	HCST Alignment	4
71111.04	Procedures	ODP-ZZ-00002, Appendix 1	Protected Equipment Program	34
71111.04	Procedures	OSP-KJ-V002A	Diesel Generator Train A Air Start Check Valve Inservice Test	19
71111.04	Procedures	OTN-AL-00001	Auxiliary Feedwater System	39
71111.04	Procedures	OTN-BG-00001, Addendum 3	Shifting CCPs	8
71111.04	Procedures	OTN-GG-00001	Fuel Building HVAC System	32
71111.04	Procedures	OTN-NE-0001A	Standby Diesel Generator System – Train A	54
71111.04	Procedures	OTS-AP-00001	Non-Safety Auxiliary Feedwater Pump Testing and Operation	13
71111.04	Work Orders		22002058, 22511319, 18511587	
71111.05	Miscellaneous		Fire Preplan Manual	42
71111.05	Miscellaneous	KC-45	Detailed Fire Modeling Report, Fire Compartment: A-2, Auxiliary Building Safety-Related Pump Area, Auxiliary Building, El. 1974'	1

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
71111.05	Miscellaneous	KC-68	Detailed Fire Modeling Report, Fire Compartment: C-21, Lower Cable Spreading Room, El. 2032'	2
71111.05	Miscellaneous	KC-82	Fire Safety Analysis Calculation, KC-82, Fire Area, A-2	1
71111.05	Procedures	APA-ZZ-00703	Fire Protection Operability Criteria and Surveillance Requirements	34
71111.05	Procedures	APA-ZZ-00750	Hazard Barrier Program	50
71111.11Q	Miscellaneous	T61.08108	LOCT Cycle 23-1 As-Found Scenario S-1	
71111.11Q	Procedures	ODP-ZZ-00014	Operational Mode Change Requirements	57
71111.11Q	Procedures	OSP-NE-0001A	Standby Diesel Generator A Periodic Tests	69
71111.11Q	Procedures	OTA-RK-00022	Annunciator Response Procedure MCB Panel RK022	2
71111.11Q	Procedures	OTO-AC-00003	Turbine Impulse Pressure Channel Failure	13
71111.11Q	Procedures	OTO-SA-00001	ESFAS Verification and Restoration	45
71111.11Q	Work Orders		22514154	
71111.12	Corrective Action Documents	Condition Reports	200302055, 200604849, 202207111, 202206395, 202300108	
71111.12	Miscellaneous		Maintenance Rule Performance Criteria	42
71111.12	Miscellaneous	AC-34	Loop Uncertainty and Turbine Impulse Calibration	1
71111.12	Miscellaneous	ZZ-50	ATWS AMSAC Setpoints	2
71111.12	Procedures	APA-ZZ-00340, Appendix 4	Surveillance Frequency Control Program List	15
71111.12	Procedures	APA-ZZ-00500, Appendix 5	Maintenance Rule	35
71111.12	Procedures	EDP-ZZ-01128	Summary of SSC Performance Criteria	37
71111.12	Procedures	EDP-ZZ-01128, Appendix 1	SSCs in the Scope of the Maintenance Rule at Callaway	12
71111.12	Procedures	ISL-AC-0P505	Train A HP Turbine 1st Stage Pressure Protection	21
71111.12	Procedures	ISL-AE-0LPS3	S/G A, B, C, D Narrow Range Level Protection Set 3 Loop Calibration	16
71111.12	Procedures	ITL-SS-00001	AMSAC System Logic Verification	13
71111.12	Work Orders		17513190, 14511419	
71111.13	Procedures	APA-ZZ-00315, Appendix A	Configuration Risk Management Program	0

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
71111.13	Procedures	APA-ZZ-00322, Appendix F	Online Work Integrated Risk Management	25
71111.13	Work Orders		23000813	
71111.15	Corrective Action Documents	Condition Reports	202102731, 202201245, 202206748, 202300518, 202300461, 202301114, 202301569	
71111.15	Miscellaneous		Callaway Final Safety Analysis Report	February 2020
71111.15	Miscellaneous		Technical Specifications	
71111.15	Procedures	APA-ZZ-00500, Appendix 1	Operability Determinations	37
71111.15	Procedures	OSP-BB-00002	Pressurizer Heater Capacity Test	9
71111.15	Procedures	OTO-NN-00001	Loss of Safety Related Instrument Power	38
71111.15	Work Orders		21001372, 21505990	
71111.24	Corrective Action Documents	Condition Reports	202104209, 202105108, 202200677, 202201953, 202206698, 202207487	
71111.24	Corrective Action Documents	Condition Reports	202301448, 202301449	
71111.24	Procedures	OSP-AL-P0002	Turbine Driven Auxiliary Feedwater Pump Inservice Test	82
71111.24	Procedures	OSP-BG-P005B	Centrifugal Charging Pump B Inservice Test - Group B	54
71111.24	Procedures	OSP-EN-V001A	Train A Containment Spray Valve Operability	23
71111.24	Procedures	OSP-NE-0001A	Standby Diesel Generator Periodic Test	69
71111.24	Procedures	OSP-NE-0001B	Standby Diesel Generator B Periodic Tests	69
71111.24	Procedures	OSP-SA-0017B	Train B SIS-CSAS Slave Relay Test	44
71111.24	Procedures	OTN-NE-0001B, Addendum 3	Diesel Generator B Post Maintenance Run for Fuel System Priming	69
71111.24	Work Orders		22512370, 16513654, 21508687, 19513692, 21004264	
71114.06	Corrective Action Documents	Condition Reports	202301429, 202301431	
71114.06	Miscellaneous		Drill Scenario Package	
71114.06	Miscellaneous		Callaway Radiological Emergency Response Plan	54
71114.06	Miscellaneous		Drill Guide	Various
71114.06	Procedures	APA-ZZ-00542, Appendix 3	Post Trip Transient Equipment Evaluation	8

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
71114.06	Procedures	EIP-ZZ-00102	Emergency Implementing Actions	68
71114.06	Procedures	EIP-ZZ-00240	Technical Support Center Operations	44
71114.06	Procedures	EIP-ZZ-C0010	Emergency Operations Facility Operations	42
71114.08	Miscellaneous	ULNRC-06797	Docket Number 50-483, Callaway Plant Unit 1, Union Electric Co., Renewed Facility Operating License NPF-30; 2023 Callaway RERP Exercise	2/16/2023
71114.08	Procedures	EIP-ZZ-00101, Addendum 2	Emergency Action Level Technical Bases Document	19
71114.08	Procedures	EIP-ZZ-00212	Protective Action Recommendations	33
71151	Miscellaneous		RCS Activity Data Sheets	Various
71151	Procedures		MSPi Data Sheets	Various
71152A	Corrective Action Documents	Condition Reports	202208536; 202300351; 202300467; 202300669; 202300709, 202301820	
71152A	Procedures	APA-ZZ-00741	Control of Combustible Materials	39
71153	Corrective Action Documents	Condition Reports	202207007, 202207111, 202207056, 202208353, 202302021	
71153	Miscellaneous	M-622.1-00061	Sporlan Thermostatic Expansion Valves; Installation, Field Service, and Assembly	October 2005