



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

January 17, 2023

Cleve Reasoner, Chief Executive Officer
and Chief Nuclear Officer
Wolf Creek Nuclear Operating Corporation
P.O. Box 411
Burlington, KS 66839

**SUBJECT: WOLF CREEK GENERATING STATION – INTEGRATED INSPECTION REPORT
05000482/2022004**

Dear Cleve Reasoner:

On December 31, 2022, the U.S. Nuclear Regulatory Commission (NRC) completed an inspection at Wolf Creek Generating Station. On January 10, 2023, the NRC inspectors discussed the results of this inspection with Jaime McCoy, 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 non-cited 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 Wolf Creek Generating Station.

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 blue ink, appearing to read "Gregory E. Werner".

Signed by Werner, Gregory
on 01/17/23

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

Docket No. 05000482
License No. NPF-42

Enclosure:
As stated

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WOLF CREEK GENERATING STATION – INTEGRATED INSPECTION
REPORT 05000482/2022004 – DATED JANURAY 17, 2023.

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REPORT 05000482/2022004

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U.S. NUCLEAR REGULATORY COMMISSION
Inspection Report

Docket Number: 05000482

License Number: NPF-42

Report Number: 05000482/2022004

Enterprise Identifier: I-2022-004-0002

Licensee: Wolf Creek Nuclear Operating Corporation

Facility: Wolf Creek Generating Station

Location: Burlington, KS

Inspection Dates: October 1 to December 31, 2022

Inspectors: R. Azua, Senior Reactor Inspector
B. Baca, Health Physicist
C. Henderson, Senior Resident Inspector
J. Melfi, Project Engineer
J. O'Donnell, Senior Health Physicist
J. Vera, Resident Inspector

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 Wolf Creek Generating Station, 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 Perform Air flow Testing for Safety-Related Safety Injection Pump B Room Cooler (SGL09B)			
Cornerstone	Significance	Cross-Cutting Aspect	Report Section
Mitigating Systems	Green NCV 05000482/2022004-01 Open/Closed	None (NPP)	71111.12
The inspectors identified a Green finding and associated non-cited violation of 10 CFR Part 50, Appendix B, Criterion XI, "Test Control," for the licensee's failure to establish testing requirements for the safety-related safety injection pump B room cooler to measure air flow, which resulted in the licensing failing to identify fan belt glazing and slippage resulted in degraded air flow and required belt replacement.			

Additional Tracking Items

None.

PLANT STATUS

Wolf Creek Generating Station began the inspection period at full power. On October 6, 2022, the unit was shut down to begin refueling outage 25. On November 19, 2022, the unit commenced reactor startup, and the reactor was made critical. The unit returned to full power on November 23, 2022, where it remained for the rest of the reporting 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 onsite 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

71111.01 - Adverse Weather Protection

Impending Severe Weather Sample (IP Section 03.02) (1 Sample)

- (1) The inspectors evaluated the adequacy of the overall preparations to protect risk-significant systems from impending severe weather of a wind advisory for Coffey County Kansas which consisted of winds from 25 to 30 miles per hour (mph) with gusts of 45 mph. This consisted of conducting walkdowns for the switchyard, startup transformer, and train B engineered safety feature transformer on October 23, 2022.

71111.04 - Equipment Alignment

Partial Walkdown Sample (IP Section 03.01) (2 Samples)

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

- (1) train A alternate offsite circuit through switchyard transformers 8 and 10 to safety-related 4160 V bus NB01 on October 21, 2022
- (2) train A offsite circuit through switchyard transformers 9 and 11 to safety-related 4160 V bus NB01 on November 29, 2022

71111.05 - Fire Protection

Fire Area Walkdown and Inspection Sample (IP Section 03.01) (6 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) reactor building cable tray area, elevation 2047-6, fire area RB-5, on October 6, 2022
- (2) reactor building south electrical penetration area, elevation 2026-0, fire area reactor building 4, on October 13, 2022
- (3) train B essential service water (ESW) pump room hot work, fire area ESWB, on October 21, 2022
- (4) reactor building north electrical penetration area, elevation 2026-0, fire area reactor building 3, on October 26, 2022
- (5) reactor building within the primary shield wall, fire area reactor building-11, on October 26, 2022
- (6) radiological controlled area yard missed fire watch, fire area refueling water storage tank, on December 2, 2022

71111.08P - Inservice Inspection Activities (PWR)

PWR Inservice Inspection Activities Sample (IP Section 03.01) (1 Sample)

- (1) The inspectors verified that the reactor coolant system boundary, steam generator tubes, reactor vessel internals, risk-significant piping system boundaries, and containment boundary are appropriately monitored for degradation and that repairs and replacements were appropriately fabricated, examined and accepted by reviewing the following activities from October 17 to November 22, 2022:

03.01.a - Nondestructive Examination and Welding Activities

- ultrasonic examination chemical volume control system, BG-02-F070, reference drawing M-189-50
- ultrasonic examination chemical volume control system, BG-02-FW334, reference drawing M-189-50
- ultrasonic examination chemical volume control system, BG-02-S040-A, reference drawing M-189-50
- ultrasonic examination chemical volume control system, BG-02-S046-B, reference drawing M-189-50
- ultrasonic examination of steam generator to main steam weld EBB01A-16-w, reference drawing M-189-50-ISI-EBB01A sheet 1
- magnetic examination of steam generator to main steam weld EBB01A-16-w, reference drawing M-189-50-ISI-EBB01A sheet 1
- visual examination of the reactor vessel head (RBB01), prompted by the identification of boric acid on the head
- dye penetrant examination reactor vessel head, penetration #19, canopy seal weld (IAW QCP-20-501)
- weld packages reviewed: reviewed the licensee actions to install accumulator loop 1 and safety injection loop 3 check valves (BB8948A; BB8949C), following the inclusion of cold springing effects when removing the previously

installed check valves. This involved reviewing vendor analyses of applied forces to align the pipes for valve installation.

03.01.b - Pressurized-Water Reactor Vessel Upper Head Penetration Examination Activities

- The inspector reviewed the nondestructive examination report for the reactor vessel upper head penetration examination activities which consisted of a visual examination, and subsequent ultrasonic examination of selected control rod drive mechanism nozzles, which were performed to determine the source of identified boric acid on the reactor vessel head. No leakage points were identified on the reactor vessel upper head.

03.01.c – Pressurized-Water Reactor Boric Acid Corrosion Control Activities

- The inspector reviewed the following documents associated with boric acid leaks and evaluations: condition report (CR) 10018557, CR 10018704, CR 10018949, CR 10018711.

Problem Identification and Resolution

- The inspector reviewed 10 CRs associated with inservice and operating experience issues. No findings or violations of more than minor significance were identified.

71111.11Q - Licensed Operator Regualification 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 reactor shutdown for refueling outage 25 on October 5, 2022.

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

- (1) The inspectors observed and evaluated reactor startup just-in-time training on November 7, 2022.

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 remain capable of performing their intended function:

- (1) assessment of 10 CFR 50.63(a)(3) on December 13, 2022
- (2) train B safety injection room cooler degraded air flow on November 30, 2022

71111.13 - Maintenance Risk Assessments and Emergent Work Control

Risk Assessment and Management Sample (IP Section 03.01) (5 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) the 345 kV east bus de-energized for transformer 9 and 11 installation with trains A and B safety-related 4160 V bus from engineering safety feature transformer 2 on October 7, 2022
- (2) shutdown safety risk including spent fuel pool cooling and alternate spent fuel pool cooling methods on October 20, 2022
- (3) emergent work activities following emergency diesel generator A trip on high jacket water temperature due to a loss of cooling flow on November 9, 2022
- (4) emergent outage work activities for missing bolts from the main steam isolation valves on November 10, 2022
- (5) component cooling water return from reactor coolant system isolation, EGHV0060, motor operated valve over trust emergent activities on November 30, 2022

71111.15 - Operability Determinations and Functionality Assessments

Operability Determination or Functionality Assessment (IP Section 03.01) (4 Samples)

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

- (1) turbine- and motor-driven auxiliary feedwater discharge flow control valves throttled when reactor power less than 10 percent operability determination on October 26, 2022
- (2) train A load shedder and emergency load sequencers failure and repair operability determination on November 11, 2022
- (3) steam generator D feedwater line flow acceleration corrosion inspection minimum wall operability determination on November 28, 2022
- (4) steam generator atmospheric relief valve operability determination on November 29, 2022

71111.18 - Plant Modifications

Temporary Modifications and/or Permanent Modifications (IP Section 03.01 and/or 03.02) (2 Samples)

The inspectors evaluated the following temporary or permanent modifications:

- (1) permanent modification of the reactor vessel head to add canopy seal clamps additions on October 31, 2022
- (2) permanent modification of the safety injection test line to add new isolation valves on November 4, 2022

71111.19 - Post-Maintenance Testing

Post-Maintenance Test Sample (IP Section 03.01) (9 Samples)

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

- (1) emergency diesel generator B post-maintenance testing on October 31, 2022
- (2) switchyard transformers 9 and 11 replacement post-maintenance testing on October 14, 2022
- (3) switchyard transformers 8 and 10 replacement post-maintenance testing on November 9, 2022
- (4) train A engineering safety feature transformer (XNB01) replacement post-maintenance testing on November 10, 2022
- (5) train B ESW post-maintenance testing on October 28, 2022
- (6) trains A and B residual heat removal post-maintenance testing on November 15, 2022
- (7) reactor coolant pump D motor replacement post-maintenance testing on November 8, 2022
- (8) feedwater valve isolation and main steam isolation valve post-maintenance testing on November 29, 2022
- (9) main feedwater and bypass regulating valves on November 29, 2022

71111.20 - Refueling and Other Outage Activities

Refueling/Other Outage Sample (IP Section 03.01) (1 Sample)

- (1) The inspectors evaluated refueling outage 25 activities from October 6 through November 13, 2022.

71111.22 - Surveillance Testing

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

Surveillance Tests (other) (IP Section 03.01) (3 Samples)

- (1) train A engineered safety features actuation system surveillance testing on November 13, 2022
- (2) reactor coolant system pressure isolation valve BB8949A and D leakage test on November 18, 2022
- (3) trains A and B 125 Vdc battery surveillance change frequency for surveillance requirement 3.8.4.3, 3.8.4.4, 3.8.4.5, and 3.8.4.7 on November 29, 2022

Containment Isolation Valve Testing (IP Section 03.01) (1 Sample)

- (1) train A ESW containment air coolers isolation valves EFHV0045 and EFHV0049 on December 1, 2022

FLEX Testing (IP Section 03.02) (1 Sample)

- (1) spent fuel pool cooling and reactor core cooling FLEX pumps on November 29, 2022

RADIATION SAFETY

71124.01 - Radiological Hazard Assessment and Exposure Controls

Radiological Hazard Assessment (IP Section 03.01) (1 Sample)

- (1) The inspectors evaluated how the licensee identifies the magnitude and extent of radiation levels and the concentrations and quantities of radioactive materials and how the licensee assesses radiological hazards.

Instructions to Workers (IP Section 03.02) (1 Sample)

- (1) The inspectors evaluated how the licensee instructs workers on plant-related radiological hazards and the radiation protection requirements intended to protect workers from those hazards.

Contamination and Radioactive Material Control (IP Section 03.03) (2 Samples)

The inspectors observed/evaluated the following licensee processes for monitoring and controlling contamination and radioactive material:

- (1) licensee surveys of potentially contaminated material leaving the radiologically controlled area
- (2) workers exiting the containment building during a refueling outage

Radiological Hazards Control and Work Coverage (IP Section 03.04) (4 Samples)

The inspectors evaluated the licensee's control of radiological hazards for the following radiological work:

- (1) code safety replacement in the pressurize cubicle on the 2068' elevation of the containment building using radiation work permit (RWP) 222000
- (2) upper internals move from the reactor vessel to the lower cavity in preparation for fuel movement using RWP 226050
- (3) radiography controls on the 2000' elevation of the containment building using RWP 223021
- (4) fuel movement in the spent fuel pool during fuel reload activities using RWP 226060

High Radiation Area and Very High Radiation Area Controls (IP Section 03.05) (3 Samples)

The inspectors evaluated licensee controls of the following high radiation areas (HRA) and very high radiation areas (VHRA):

- (1) VHRA - containment building, 2000' in-core tunnel access
- (2) HRA - auxiliary building, room 1302 demineralizer alley filter pits
- (3) HRA - radwaste building, 2031' fuel pool cleanup demineralizer door (room 74061)

Radiation Worker Performance and Radiation Protection Technician Proficiency
(IP Section 03.06) (1 Sample)

- (1) The inspectors evaluated radiation worker and radiation protection technician performance as it pertains to radiation protection requirements.

71124.03 - In-Plant Airborne Radioactivity Control and Mitigation

Permanent Ventilation Systems (IP Section 03.01) (2 Samples)

The inspectors evaluated the configuration of the following permanently installed ventilation systems:

- (1) control room emergency ventilation system A train (FGK01A)
- (2) technical support services emergency ventilation (VT-F1)

Temporary Ventilation Systems (IP Section 03.02) (2 Samples)

The inspectors evaluated the configuration of the following temporary ventilation systems:

- (1) high efficiency particulate air filtration systems used during valve maintenance of the A loop check valve BB8948A and the letdown heat exchanger valve maintenance activities (BG8405A, BGTCV0381B, BG8107A, BG8408A, BGTCV0129)
- (2) high efficiency particulate air filtration systems used to minimize airborne levels in the dry cavity with the temporary cover installed and underneath the reactor head while on the reactor head stand

Use of Respiratory Protection Devices (IP Section 03.03) (1 Sample)

- (1) The inspectors evaluated the licensee's use of respiratory protection devices.

Self-Contained Breathing Apparatus for Emergency Use (IP Section 03.04) (1 Sample)

- (1) The inspectors evaluated the licensee's use and maintenance of self-contained breathing apparatuses.

OTHER ACTIVITIES – BASELINE

71151 - Performance Indicator Verification

The inspectors verified licensee performance indicators submittals listed below:

MS08: Heat Removal Systems (IP Section 02.07) (1 Sample)

- (1) October 1, 2021 through September 30, 2022

MS09: Residual Heat Removal Systems (IP Section 02.08) (1 Sample)

- (1) October 1, 2021 through September 30, 2022

OR01: Occupational Exposure Control Effectiveness Sample (IP Section 02.15) (1 Sample)

- (1) April 1, 2021 through September 30, 2022

PR01: Radiological Effluent Technical Specifications/Offsite Dose Calculation Manual
Radiological Effluent Occurrences (RETS/ODCM) Radiological Effluent Occurrences Sample
(IP Section 02.16) (1 Sample)

- (1) April 1, 2021 through September 30, 2022

71152A - Annual Follow-up Problem Identification and Resolution

Annual Follow-up of Selected Issues (Section 03.03) (2 Samples)

The inspectors reviewed the licensee's implementation of its corrective action program related to the following issues:

- (1) train A emergency diesel generator jacket water keep warm pump seal failure and extent of condition on November 30, 2022
- (2) load shedder and emergency load sequencers card failures on December 30, 2022

71152S – Semi-annual Trend Problem Identification and Resolution

Semi-annual Trend Review (Section 03.02) (1 Sample)

- (1) The inspectors reviewed the licensee's corrective action program for potential adverse trends that might be indicative of a more significant safety issue associated with emergency preparedness drill performance declining trend on December 13, 2022.

71153 - Follow Up of Events and Notices of Enforcement Discretion

Event Followup (IP Section 03.01) (2 Samples)

- (1) The inspectors evaluated an unauthorized individual who entered the protected area and licensee's response on October 27, 2022.
- (2) The inspectors evaluated loss of service water and emergency diesel generator A trip on high jacket water temperature and licensee's response on November 1, 2022.

INSPECTION RESULTS

Failure to Perform Air flow Testing for Safety-Related Safety Injection Pump B Room Cooler (SGL09B)			
Cornerstone	Significance	Cross-Cutting Aspect	Report Section
Mitigating Systems	Green NCV 05000482/2022004-01 Open/Closed	None (NPP)	71111.12
The inspectors identified a Green finding and associated non-cited violation of 10 CFR Part 50, Appendix B, Criterion XI, "Test Control," for the licensee's failure to establish testing requirements for the safety-related safety injection pump B room cooler to measure air flow,			

which resulted in the licensing failing to identify fan belt glazing and slippage resulted in degraded air flow and required belt replacement.

Description: On June 7, 2022, the licensee identified 19 total blocked tubes (sediment) in the safety injection pump B room cooler (SGL09B) during the performance of work order (WO) 21-471133-003, which exceed the tube plugging limit of seven tubes. The licensee's immediate corrective actions were to clean the blocked tubes and return room cooler SGL09B to service. The licensee initiated CR 10010541 and performed a past operability evaluation. This was documented in basic engineering disposition (BED), "Blocked Tubes on SGL09B – CR 10015041," revision 0, and equipment performance evaluation.

The inspectors reviewed BED, "Blocked Tubes on SGL09B – CR 10015041," revision 0, and equipment performance evaluation and identified the following:

- The licensee did not trend room cooler SGL09B air flow to confirm that sufficient air flow was present to ensure its safety-related design function of maintaining safety injection pump room B temperatures were less than 122 °F for the degraded condition documented in CR 10015041. For room cooler SGL09B to maintain less than 122 °F room temperature, a minimum cooling capacity of 165,365 BTU/hour was required in accordance with calculation GL-M-007, "Calculate Cooling Loads in SR Pump Rooms Post LOCA: 1107, 1108, 1109, 1110, 1111, 1112, 1113, 1114, 1401 and 1406," revision 0. This required a combination of room cooler air flow and ESW flow to the heat exchanger to achieve the required cooling capacity.
- The licensee did not evaluate the past operability of containment spray pump B when the associated room cooler SGL13B was removed from service for planned maintenance on December 9, 2022. Specifically, procedure AP 26C-004, Operability Determination and Functionality Assessment," revision 46, provided guidance for the maximum ESW temperature for removing room cooler SGL13B from service without declaring train B containment spray pump inoperable in accordance with calculation XX-M-080, "Wolf Creek Generating Station Pump Room Heat-up Analysis," revision 1, which assumed room cooler SGL09B air flow was 10,092 cubic feet per minute (cfm).

In response the inspectors' questions, the following was identified:

- Room cooler SGL09B air flow was last measured December 20, 2012, in accordance with WO 12-362212-003 following fan belt replacement. The measured air flow was 10,116 cfm during the post-maintenance testing, but the licensee failed to apply the instrument uncertainty of +/- 3.00 percent. When applying the instrument uncertainty actual air flow was determined to be 9,812 cfm which was less than the design air flow requirement of 10,092 cfm (10,395 cfm with instrument uncertainty). The licensee initiated CRs 10016320 and 10016321, and measured room cooler SGL09B air flow on July 28, 2022, in accordance with WO 22-480641-000 with a measured air flow of 9,117 cfm and commenced troubleshooting of low air flow for room cooler SGL09B in accordance with WO 22-480641-001. The troubleshooting identified that fan belts were slipping and glazed meeting the requirement for replacement in accordance with procedure MPE RC-001, "Room Cooler Maintenance," revision 13. Specifically, procedure MPE RC-001, step 7.7.2.2.a, specified replacement of belts if worn, cracked, frayed, or cords are exposed or there is glazing on the sidewalls. The licensee replaced fan belts and performed post-maintenance testing satisfactory with

a measured air flow of 11,261 cfm. The licensee reperformed the past operability and documented in BED, "Blocked Tubes on SGL09B – CR 10015041," revision 1, and determined room cooler SGL09B was able to perform its safety function of maintained room less than 122 °F and containment spray pump B operable with room cooler SGL13B unavailable for maintenance. The licensee initiated CRs 10016406 and 10017443 to capture this issue in the corrective action program.

- After July 2016, the licensee discontinued safety-related room cooler heat transfer verification and performance trending and relied on safety-related room cooler maintenance and inspections performed in accordance with MPE RC-001 and monitoring of ESW flow and differential pressure. However, the licensee failed to recognize the need to establish procedures to monitor air flow and have an acceptance criterion for safety-related room coolers to ensure sufficient air flow was available to meet the safety function of maintaining room temperature less than 122 °F.
- Room cooler SGL09B fan coil unit inspections were last performed under WO 20-463868-000 (December 3, 2020) and WO 21-471121-000 (December 6, 2021) and the licensee failed to identify the degraded condition of the fan belts, which required replacement in accordance with procedure MPE RC-001, step 7.7.2.2.a, causing the degraded air flow.

The inspectors concluded the licensee failed to recognize the need to establish procedures to measure safety-related room cooler air flow at a required frequency and acceptance criterion to identify a degraded condition associated with the safety-related room coolers after discontinuing heat transfer verification and performance trending in July 2016.

Corrective Actions: The licensee's corrective actions included replacing room cooler SGL09B degraded fan belts, performing extent of condition, evaluating safety-related room cooler air flow testing requirements, and establishing a 5-year preventative maintenance for fan belt replacement.

Corrective Action References: CRs 10016406, 10016320, 10016321, and 10017443

Performance Assessment:

Performance Deficiency: The licensee's failure to establish testing requirements to measure air flow for safety-related room coolers to demonstrate that they will perform satisfactorily and to detect degraded performance 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 failing to establish testing requirements for SGL09B to measure air flow resulted in the licensing failing to identify the degraded air flow caused by fan belt glazing and slippage.

Significance: The inspectors assessed the significance of the finding using IMC 0609 Appendix A, "The Significance Determination Process (SDP) for Findings At-Power." The finding was determined to be of very low safety significance (Green) because it, (1) was not a

deficiency affecting the design or qualification of a mitigating system, (2) does not represent a loss of the probability risk analysis (PRA) function of a single train technical specification system for greater than its allowed outage time, (3) does not represent a loss of PRA function of one train of a multi-train technical specification system for greater than its allowed outage time, (4) does not represent a loss of the PRA function of two separate technical specification systems for greater than 24 hours, (5) does not represent a loss of PRA system and/or function as defined by the plant risk information e-book or the licensee's PRA for greater than 24 hours, and (6) does not result in the loss of a high safety-significant, nontechnical specification train for greater than 3 days.

Cross-Cutting Aspect: Not Present Performance. No cross-cutting aspect was assigned to this finding because the inspectors determined the finding did not reflect present licensee performance. Specifically, in July 2016 the licensee discontinued the representative safety-related room cooler heat transfer testing program and relied on periodic inspection and maintenance to determine if they can meet their design function of maintaining room temperatures less than 122 °F.

Enforcement:

Violation: Title 10 CFR Part 50, Appendix B, Criterion XI, "Test Control," requires, in part, that a test program shall be established to assure that all testing required to demonstrate that structures, systems, and components will perform satisfactorily in service is identified and performed in accordance with written test procedures which incorporate the requirements and acceptance limits contained in applicable design documents.

Contrary to the above, from July 2016 to December 2022, the licensee failed to establish a test program to assure that all testing required to demonstrate that structures, systems, and components will perform satisfactorily in service is identified and performed in accordance with written test procedures which incorporate the requirements and acceptance limits contained in applicable design documents. Specifically, the licensee failed to establish testing requirements for the safety-related safety injection pump B room cooler SGL09B to measure air flow resulted in the licensing failing to identify fan belt glazing and slippage resulting in degraded air flow and required belt replacement.

Enforcement Action: This violation is being treated as a non-cited violation, consistent with section 2.3.2 of the Enforcement Policy.

Observation: Semi-Annual Trend Review

71152S

The inspectors reviewed the licensee's corrective action program, performance indicators, system health reports, and other documentation available to help identify performance trends that might indicate the existence of a more significant safety issue. The inspectors verified that the licensee was taking corrective actions to address the identified adverse trends. The inspectors did not review any cross-cutting themes because none existed at the site.

To verify the licensee was taking corrective actions to address identified adverse trends that might indicate the existence of a more significant safety issue, the inspectors noted a trend in emergency response organization (ERO) vacancies. Specifically, the inspectors noted 18 CRs for ERO vacancies for November 2022 and 35 CRs for ERO vacancies for calendar year 2022. These recent ERO vacancies are due to retirement as well as previous large-scale turnover that occurred at the station. This has the potential to cause significant knowledge and performance gaps within the ERO. In response to the inspectors' observation,

the licensee-initiated CR 10021065 to perform a trend analysis to determine if any areas within ERO need additional focus and to assess the aggregate impact of the loss of experience.

EXIT MEETINGS AND DEBRIEFS

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

- On November 7, 2022, the inspectors presented the occupational radiation safety inspection results to Jaime McCoy, Site Vice President, and other members of the licensee staff.
- On November 22, 2022, the inspectors presented the inservice inspection results to Mike Boyce, Engineering Vice President, and other members of the licensee staff.
- On January 10, 2023, the inspectors presented the integrated inspection results to Jaime McCoy, Site Vice President, and other members of the licensee staff.

DOCUMENTS REVIEWED

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
71111.01	Procedures	AI 14-006	Severe Weather	19
71111.01	Procedures	AP 21C-001	Wolf Creek Substation	22
71111.01	Procedures	AP 22B-001	Outage Risk Management	22
71111.01	Procedures	OFN SG-003	Natural Events	39
71111.04	Corrective Action Documents	Condition Reports	10019036, 10019635, 10019638	
71111.04	Drawings	DK-7496	One Line Diagram	78
71111.04	Procedures	OFN AF-025	Unit Limitations	59
71111.04	Procedures	SYS NB-200	Transferring XNB01 Supply Between #8 Transformer and #9 Transformer Using NE01	22
71111.04	Procedures	SYS SL-204	Transferring Bus 13.8 kV Supplies Between XFMR #8/10 and #9/11	0
71111.05	Corrective Action Documents	Condition Report	10018713, 10013103, 10017895	
71111.05	Corrective Action Documents Resulting from Inspection	Condition Report	10018526	
71111.05	Miscellaneous	10013103 - Root Cause Analysis	10013103 - Root Cause Analysis for Missed Fire Watch Checks	1
71111.05	Miscellaneous	E-1F9910	Post Fire Safe Shutdown Area Analysis	17
71111.05	Procedures	AP 10-106	Fire Preplans	22
71111.08P	Calculations	W-SMT-95-100	Westinghouse Analysis for SI Hot Leg Loop 2 & 3 Snubber Analysis - Reactor Building	1
71111.08P	Calibration Records	WC014912	Calibration of Various Force Indicating Devices: Dynamometer (Dillon) AP D901837	02/23/2022
71111.08P	Calibration Records	WC019104	Calibration of Various Force Indicating Devices: Dynamometer (Dillon) D D-22156	02/23/2022
71111.08P	Calibration Records	WC019105	Calibration of Various Force Indicating Devices: Dynamometer (Dillon) D D-22155	05/24/2022
71111.08P	Corrective Action Documents	CR 10018557	Boric Acid Residue RBB01 top head	10/16/2022

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71111.08P	Corrective Action Documents	CR 10018704	EMV0110 Dry White Boron Leakage from Packing	10/18/2022
71111.08P	Corrective Action Documents	CR 10018704	EMV0110 Dry White Boron Leakage from Packing	10/18/2022
71111.08P	Corrective Action Documents Resulting from Inspection	CR 10018949	EMV0110 Dried White Boron Accumulation	10/20/2022
71111.08P	Engineering Evaluations	SAP-PP000-TR-PX-000001	Assessment of the Wolf Creek Accumulator Loop 1 and Safety Injection Loop 3 Piping Lines due to the Inclusion of Cold Spring Effects (Westinghouse Electric Company LLC)	0
71111.08P	Miscellaneous	WCRE-30	Inservice Inspection Program Plan - Wolf Creek Generating Station - Interval 4	5
71111.08P	NDE Reports	180-9326103-000	Framatome NDE Services Final Report: Wolf Creek Unit 1 - RF24 RVCH Penetration Examination Report	04/18/2021
71111.08P	NDE Reports	21-473988-000	RVH Visual Inspection Report	11/12/2022
71111.08P	Procedures	AI 16F-001	Evaluation of Boric Acid Leakage	11A
71111.08P	Procedures	AI 16F-002	Boric Acid Leakage Management	12
71111.08P	Procedures	AP 15C-004	Preparation, Review and Approval of Procedures, Instructions and Forms	55A
71111.08P	Procedures	AP 16F-001	Boric Acid Corrosion Control Program	10A
71111.08P	Procedures	LMT-08-MT-01	Magnetic Particle Examination	0
71111.08P	Procedures	LMT-08-UT-004	Ultrasonic Examination of Vessel Welds and Adjacent Base Metal >2" in Thickness	1
71111.08P	Procedures	STS PE-040E	RPV Head Visual Inspection	9
71111.08P	Work Orders	WO 18-445398-30	SI Accum to Loop 1 Check Valve (BB8948A). Westinghouse Calculation allows pipe to be cold sprung	10/21/2022
71111.08P	Work Orders	WO 18-445399-021	Safety Injection RHR to Loop 3 Check Valve (BB8949C). Westinghouse Calculation allows pipe to be cold sprung.	10/22/2022
71111.08P	Work Orders	WO 21-474032-002	RF25 ISI Examination of EBB01A-16-W (UT and MT of S/G 1 Steam line weld)	11/02/2022
71111.08P	Work Orders	WO 22-482488-000	Reactor Vessel Head - Potential indication of seal weld leakage on Penetration-19 during the performance of STS PE-040E. Performance of a dye penetrant test is needed to	10/21/2022

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			confirm if this indication is an actual seal weld leak.	
71111.11Q	Procedures	EMG E-0	Reactor Trip or Safety Injection	45
71111.11Q	Procedures	GEN 00-004	Power Operation	101
71111.12	Calculations	XX-M-080	Wolf Creek Generating Station Pump Room Heat-up Analysis	1
71111.12	Calculations	DEB	Blocked Tubes on SGL09B – CR 10015041	1
71111.12	Calculations	EG-M-055	Overload Evaluation for Anchor-Darling Double-Disc Wedge Gate Valve	0
71111.12	Calculations	GL-M-007	Calculate Cooling Load in SR Pump Rooms Post LOCA: 1107, 1108, 1109, 1110, 1111, 1112, 1113, 1114, 1401, and 1406	0
71111.12	Calculations	XX-M-080	Wolf Creek Generating Station Pump Room Heat-Up Analysis	1
71111.12	Corrective Action Documents	Condition Reports	10001155, 10001305, 10001975, 10007983, 10010737, 10011933, 10012377, 10019061, 10016320, 10016321, 10016406, 10016449, 10017201, 10017205, 10017212, 10017625, 10020153	
71111.12	Corrective Action Documents Resulting from Inspection	Condition Reports	10017443, 10017590, 10017591	
71111.12	Engineering Changes	DCP 20390	Containment Purge Isolation Zone	0
71111.12	Miscellaneous	2018-011	USAR Change Request	07/10/2018
71111.12	Miscellaneous	2020-012	USAR Change Request	09/16/2020
71111.12	Miscellaneous	2021-010	USAR Change Request	09/21/2021
71111.12	Miscellaneous	ET 16-0017	Updated Response to Generic Letter 89-13	07/26/2016
71111.12	Miscellaneous	WCRE-35	Boundary Matrix	9
71111.12	Procedures	AP 16E-002	Post Maintenance Testing Development	21A
71111.12	Procedures	AP 23L-002	Heat Exchanger Program	5
71111.12	Procedures	AP 26C-004	Operability Determination and Functionality Assessment	46
71111.12	Procedures	EDI 23M-060	Engineering Desktop Instruction Performing Maintenance Rule Periodic Assessments	0
71111.12	Procedures	MPE RC-001	Room Cooler Maintenance	13

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71111.12	Procedures	MPM XX-002	Watertight Doors Preventive Maintenance Activity	7B
71111.12	Procedures	OFN EF-033	Loss of Essential Service Water	24
71111.12	Procedures	STN PE-036	Safety Related Room Cooler Heat Transfer Verification and Performance Trending	16, 17
71111.12	Procedures	STN PE-037B	ESW Train B Heat Exchanger Flow and DP Trending	25
71111.12	Procedures	STS PE-004	Aux Building and Control Room Pressure Test	20
71111.12	Procedures	STS PE-007	Periodic Verification of Motor Operated Valves	5A
71111.12	Procedures	SYS PE-175	LLRT Valve Lineup for Penetration 75	19
71111.12	Work Orders	WO	12-362212-003, 20-463868-000, 21-469071-000, 21-469227-000, 21-471121-000, 21-472265-000, 21-473840-001, 21-475179-003, 21-475179-004, 22-478271-000, 22-480641-001, 22-482475-000, 22-482475-001	
71111.13	Corrective Action Documents	Condition Reports	10018514, 10018670, 10018671, 10018701, 10018757, 10018763, 10018910, 10019558, 10019604, 10019607, 10019608, 10019610, 10019613, 10019719, 10019741, 10019773	
71111.13	Corrective Action Documents Resulting from Inspection	Condition Reports	10018198, 10018731, 10018890, 10020846	
71111.13	Drawings	KD-7496	One Line Diagram	76
71111.13	Drawings	WIP-KD-2796-073-B-1	One Line Diagram	0
71111.13	Miscellaneous	APF 22B-001-09	Shutdown Risk Assessment No Mode – Defueled	14
71111.13	Miscellaneous	APF 22B-001-10	Shutdown Safety Function Status and Assessment Summary	13
71111.13	Procedures	AP 22B-001	Outage Risk Management	21
71111.13	Procedures	OFN EC-046	Fuel Pool Cooling and Cleanup Malfunctions	9
71111.13	Procedures	STS KJ-011A	EDG NE01 24 Hour Run	39
71111.13	Procedures	SYS EC-202	Staging Alternate Spent Fuel Pool Cooling	4
71111.13	Work Orders	WO	21-473967-000, 22-482773-000, 22-482773-001, 22-482773-002, 22-482773-003, 22-482773-004, 22-482793-000,	

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71111.15	Calculations	59606-M-001	Design Minimum Wall Thickness Values for Piping Bends and Elbows in Main Feedwater Piping Located in Containment	1
71111.15	Calculations	AN-99-019	Radiological Consequences of the Main Steam Line Break Outside Containment	0
71111.15	Corrective Action Documents	Condition Report	96-0794, 2006-000188, 123051, 123932, 10018783, 10019400, 10019761, 10019779, 10019819, 10019926, 10020042, 10020303	
71111.15	Corrective Action Documents Resulting from Inspection	Condition Report	10019205, 10020411	
71111.15	Drawings	M-12AL	Piping and Instrumentation Diagram Auxiliary Feedwater System	32
71111.15	Engineering Changes	DECP 20617	Alternate IP Transducer for SG Atmospheric Relief Valves	0
71111.15	Miscellaneous		USAR Change Request 98-138	11/20/1998
71111.15	Miscellaneous	DRR 06-1350	Document Revision Request	0
71111.15	Miscellaneous	EQSD-I	Equipment Qualification Design Basis Document	16
71111.15	Miscellaneous	M-10AL	Auxiliary Feedwater System	1
71111.15	Miscellaneous	PQE-J-601B-P02	Atmospheric Relief Valves GT25 I/P Transducer	0
71111.15	Miscellaneous	WCRE-34	Fourth 10-year Interval Inservice Testing Basis Document	12
71111.15	Procedures	AI 21-016	Operator Time Critical Actions Validation	21A
71111.15	Procedures	EMG E-0	Reactor Trip or Safety Injection	45
71111.15	Procedures	EMG E-2	Faulted Steam Generator Isolation	24A
71111.15	Procedures	EMG ES-03	SI Termination	29
71111.15	Procedures	STS AL-201C	Turbine Driven Auxiliary Feedwater System Inservice Valve Test	13
71111.15	Procedures	SYS AL-120	Motor Driven or Turbine Driven AFW Pump Operations	56
71111.15	Work Orders	WO	21-472871-002, 21-474872-001, 21-474872-003, 22-482825-000	
71111.18	Calculations	0720517.01-C-001	Wolf Creek Generating Station Simplified Head Assembly (SHA) Drop Analysis	1

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71111.18	Corrective Action Documents	Condition Reports	2003-3473, 10019193, 100005074	
71111.18	Corrective Action Documents Resulting from Inspection	Condition Report	10019243	
71111.18	Drawings	M-703-00054	Closure Head General Assembly	W16
71111.18	Engineering Changes	CCP 012962	Canopy Seal Clamp Assembly in Capped Latch Location	0
71111.18	Engineering Changes	CCP 07910	Canopy Seal Clamp Assembly for Spare Penetrations	0
71111.18	Engineering Changes	CCP 10132	Canopy Seal Clamp Installation on Penetration 10	0
71111.18	Engineering Changes	DCP 05017	Canopy Seal Clamp Assemblies	0
71111.18	Engineering Changes	DECP 020328	Spare CET Canopy Seal Clamp Documentation Update	0
71111.18	Miscellaneous	DRR 22-0019	Document Revision Request FHP 02-007A	0
71111.18	Miscellaneous	WCNOC-4	Report on Control of Heavy Loads	21
71111.18	Procedures	FHP 02-0007D	Load Cell Set Up and Use	4
71111.18	Procedures	FHP 02-007A	Reactor Vessel Closure Head Removal	16
71111.18	Procedures	FHP 02-007B	Reactor Vessel Closure Head Installation	17
71111.18	Procedures	MCM BB-007	Installation and Removal Canopy Seal Clamp Assemblies (CSCA)	8
71111.18	Work Orders	WO	18-442877-008, 18-442486-000, 18-442486-001, 20-458773-000, 21-458773-001, 21-471334-000	
71111.19	Corrective Action Documents	Condition Reports	10017597, 10018224, 10018279, 10018346, 10018353, 10018378, 10018383, 10018398, 10018400, 10018437, 10018452, 10018460, 10018491, 10018500, 10018505, 10018510, 10018517, 10018546, 10018574, 10018606, 10018610, 10018612, 10018613, 10018626, 10018657, 10018677, 10018690, 10018771, 10018777, 10018834, 10018839, 10018881, 10018908, 10018972, 10018973, 10018982, 10018986, 10018992, 10019147, 10019150,	

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			10019223, 10019290, 10019291, 10019292, 10019299, 10019311, 10019314, 10019324, 10019335, 10019410, 10019411, 10019415, 10019416, 10019434, 10019441, 10019470, 10019558, 10019597, 10019729, 10019745, 10019821, 10019826, 10019831, 10019837, 10019843, 10019846, 10019941, 10019967, 10019974, 10020179, 10020189, 10020213, 10020221, 10020263, 10020265, 10020484, 10020471, 10020501, 10020503	
71111.19	Corrective Action Documents Resulting from Inspection	Condition Report	10019548	
71111.19	Drawings	E-13AE06	Schematic Diagram Main Feedwater Control Valves	2
71111.19	Drawings	M-018-00586	P9826 Crankcase Vac Ejector Application	W04
71111.19	Drawings	M-12AE01	Piping and Instrumentation Diagram Feedwater System	50
71111.19	Drawings	M-12EJ01	Piping and Instrumentation Diagram Residual Heat Removal System	57
71111.19	Drawings	M-12EP01	Piping and Instrumentation Diagram Accumulator Safety Injection	17
71111.19	Engineering Changes	CP 20662	Replacement Cap Screw for AEFV0041	0
71111.19	Engineering Changes	DCP 020292	Substation Transformer No. 8, 9, 10, & 11 and Breaker Replacement R25	0
71111.19	Engineering Changes	DECP	Main Feedwater Reg Valve Body to Bonnet Stud Repair and Chamfering of Existing Studs	0
71111.19	Miscellaneous	BED	ESC Item 23 – MSIV ABHV0014 Discs Stellite Hardfacing Cracks	0
71111.19	Miscellaneous	WCRE-34	Fourth 10-Year Interval Inservice Testing Basis Document	12
71111.19	Procedures	AP 16E-002	Post Maintenance Testing Development	21A
71111.19	Procedures	MEC-039	Emergency Diesel Engine Injection Nozzle Testing	1
71111.19	Procedures	MPM KJ-006	Emergency Diesel Rocker Lube Oil Strainer Cleaning	0
71111.19	Procedures	STS AE-205	Feedwater System Inservice Valve Test	28
71111.19	Procedures	STS AE-207	Feed Reg Valve Inservice Valve Test	3
71111.19	Procedures	STS CV-210A	ECCS SI Comprehensive Pump and Inservice Check Valve	28

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			Testing	
71111.19	Procedures	STS IC-611A	Slave Relay Test K611 K612 K613 Train A Feedwater Isolation	15
71111.19	Procedures	STS KJ-001A	Integrated D/G and Safeguards Actuation Test – Train A	71
71111.19	Procedures	SYS NB-202	Transferring NB02 Power Sources	60
71111.19	Work Orders	WO	15-406288-000, 17-434046-072, 19-456339-000, 21-470674-007, 21-470674-023, 21-471360-017, 21-472467-054, 21-473908-000, 21-474084-000, 21-474731-000, 21-475054-006, 21-475054-005, 22-479954-000, 22-479956-000, 22-482373-000, 22-482422-002, 22-482603-000, 22-482802-009, 22-482898-000, 22-483098-000, 22-483101-000	
71111.20	Corrective Action Documents	Condition Reports	10018507, 10018511, 10018513, 10018524, 10018580, 10018584, 10018637, 10018676, 10018695, 10018721, 10019038, 10019184, 10019693, 10019784, 10019791, 10019793, 10020031, 10020032, 10020346, 10020052	
71111.20	Corrective Action Documents Resulting from Inspection	Condition Report	10018622, 10019805, 10019923, 10020191, 10020192, 10020292, 10020293, 10020294, 10020295, 10020297	
71111.20	Procedures	GEN 00-005	Minimum Load to Hot Standby	95
71111.20	Procedures	GEN 00-006	Hot Standby to Cold Shutdown	106
71111.20	Procedures	GEN 00-008	RCS Level Less Than Reactor Vessel Flange Operations	36
71111.20	Procedures	GEN 00-009	Refueling	47
71111.20	Procedures	OFN BB-031	Shutdown LOCA	36A
71111.20	Procedures	OFN EG-004	CCW System Malfunction	19
71111.20	Procedures	OFN EJ-015	Loss of RHR Cooling	33
71111.20	Procedures	OFN EJ-040	CL Recirc During Mode 3, with Accumulators Isolated, Mode 4, 5, or 6	8
71111.20	Procedures	STS BB-011	Reactor Coolant System and Pressurizer Heatup/Cooldown Surveillance	34
71111.20	Procedures	STS BG-001	Boron Injection Flow Path Verification	25
71111.20	Procedures	STS CR-002	Shift Log for Modes 4, 5, and 6	92
71111.20	Procedures	SYS EJ-120	Startup of a Residual Heat Removal Train	73

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71111.22	Calculations	FD-13-007	AFW FLEX Hydraulic Evaluation	0
71111.22	Corrective Action Documents	Condition Reports	10003430, 10003431, 10018003, 10018558, 10018559, 10018639, 10018692, 10018733, 10018790, 10018795, 10018880, 10018897, 10018946, 10018966, 10018988, 10019329, 10019330, 10019348, 10019386, 10019413, 10019448, 10019555, 10019688, 10019690, 10019696, 10019753, 10019829, 10019836, 10020028, 10020184, 10020190, 10020647, 10020784	
71111.22	Corrective Action Documents Resulting from Inspection	Condition Report	10019820	
71111.22	Drawings	M-12EF02	Piping Instrumentation Diagram Essential Service Water System	43
71111.22	Miscellaneous	MS-01	Piping Class Summary	87
71111.22	Miscellaneous	STRIDE 22-00	Wolf Creek (18 months) NK (125 VDC Class 1E) Batteries Surveillance	0
71111.22	Miscellaneous	WCNOC-182	Operations and Maintenance Manual Spent Fuel Pool Makeup Pump	W02
71111.22	Miscellaneous	WCNOC-186	Operations and Maintenance Manual Core Cooling Pump	W01
71111.22	Miscellaneous	WCRE-34	WCNOC Fourth 10-Year Interval Inservice Testing Program	12
71111.22	Miscellaneous	WCRE-38	Surveillance Frequency Control Program Surveillance Test Interval List	0
71111.22	Procedures	AP 05C-005	PRA Methodology for Evaluating Changes to Surveillance Test Intervals	0
71111.22	Procedures	AP 21A-002	Diverse and Flexible Coping Mitigation (FLEX) Program	3A
71111.22	Procedures	AP 29-009	Surveillance Test Risk Informed Documented Evaluation (STRIDE) Process	0
71111.22	Procedures	AP 29-011	Surveillance Frequency Control Program	0
71111.22	Procedures	AP 29E-001	Program Plan for Containment Leakage Measurements	17
71111.22	Procedures	STS MT-021	Service Test for 125 VDC Class 1E Batteries	18
71111.22	Procedures	STS MT-080	125 Volt DC Battery Inspection	1
71111.22	Procedures	STS PE-018	Containment Integrated Leakage Rate Test	9
71111.22	Procedures	STS PE-171	LLRT Valve Lineup for Penetrations 71 and 73	9

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71111.22	Procedures	STS PE-261	LLRT Valve Lineup for Penetration 161	7
71111.22	Procedures	SYS GP-515	CILRT-EF System	2
71111.22	Work Orders	WO	21-476771-000, 22-476912-000, 22-476912-001	
71124.01	Corrective Action Documents	Condition Reports	10002460, 10003015, 10003660, 10003789, 10003935, 10004384, 10004685, 10004833, 10012104, 10015213, 10016703, 10017231, 10017940, 10018158, 10018831, 10019497, 10019533, 10020039	
71124.01	Miscellaneous		2021 RWP Budget vs Actuals (Outage/Non-Outage): Outage March 25, 2021 through May 15, 2021	09/28/2022
71124.01	Miscellaneous		2022 ALARA and RWP Quick Look Report	09/12/2022
71124.01	Miscellaneous	330342	Access Control Shift Log	10/18/2022
71124.01	Procedures	AP 25A-001	Radiation Protection Manual	20
71124.01	Procedures	AP 25A-200	Access to Locked High or Very High Radiation Areas	29
71124.01	Procedures	AP 25A-401	ALARA Program	28
71124.01	Procedures	AP 25B-100	Radiation Worker Guidelines	55
71124.01	Procedures	RPP 02-105	RWP (Radiation Work Permits)	52
71124.01	Procedures	RPP 02-205	Radiological Survey Frequency Requirements	15
71124.01	Procedures	RPP 02-215	Posting of Radiological Controlled Areas	34B
71124.01	Procedures	RPP 02-405	RCA Access Control	21
71124.01	Procedures	RPP 02-515	Release of Material from the RCA	36
71124.01	Procedures	RPP 07-212	Requirements of Radioactive Materials Stored Outdoors	0
71124.01	Radiation Surveys	22-0071	Airborne Radioactivity Record: Auxiliary Building 2000'	05/11/2022
71124.01	Radiation Surveys	22-0072	Airborne Radioactivity Record: Auxiliary Building 2000'	05/11/2022
71124.01	Radiation Surveys	22-0170	Airborne Radioactivity Record: Fuel Building 2047' and above	08/22/2022
71124.01	Radiation Surveys	22-0174	Airborne Radioactivity Record: Fuel Building 2047' and above	08/22/2022
71124.01	Radiation Surveys	M-20220719-8	Demin alley	07/19/2022
71124.01	Radiation Surveys	M-20221018-42	2000' CTMT "D" Loop, BB8949D Dose rate alarm follow-up	10/18/2022

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71124.01	Radiation Surveys	M-20221030-3	CTMT B/C Secondary follow-up for dose rate alarm	10/30/2022
71124.01	Radiation Surveys	M-20221101-2	Letdown Cubicle	11/01/2022
71124.01	Radiation Surveys	RT Work Order: 20-462202-007	Radiography posting and guarding locations in containment	11/01/2022
71124.01	Radiation Work Permits (RWPs)	220020	Waste processing activities, cartridge filter change out, and resin transfer	0
71124.01	Radiation Work Permits (RWPs)	221102	In-core Tunnel Inspections, Maintenance and Decontamination	0
71124.01	Radiation Work Permits (RWPs)	222000	Mechanical Maintenance activities	0
71124.01	Radiation Work Permits (RWPs)	222601	Routine Access	0
71124.01	Radiation Work Permits (RWPs)	223021	Radiography activities	0
71124.01	Radiation Work Permits (RWPs)	224461	Motor Operated Valves Team activities.	0
71124.01	Radiation Work Permits (RWPs)	226020	Reactor Vessel Head Lift Preparation and Post Head Set Work Activities	0
71124.01	Radiation Work Permits (RWPs)	226050	Reactor Vessel Upper Internals removal, transfer, and replacement	0
71124.01	Radiation Work Permits (RWPs)	226060	Fuel Movement and Related Support Activities	0
71124.01	Self-Assessments	22-01-RP/C	Quality Assurance Standard Audit Checklist: Radiological Protection & Process Control	01/20/2022
71124.03	Corrective Action Documents	Condition Reports	10006532, 10009497, 10009726, 10015620, 10016405	
71124.03	Miscellaneous		Site Air Sample Logs: April 1, 2021 - September 13, 2022	
71124.03	Miscellaneous		2020 ANI Nuclear Liability Insurance Inspection Response	03/31/2021
71124.03	Miscellaneous		Trace Analytics, Certificates of Analysis - January 19, 2021 through October 22, 2022	
71124.03	Miscellaneous	AIF 10-001-02	Monthly SCBA Inspections - May 2021 through September 2022	

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71124.03	Miscellaneous	K15-002 22-01-RP/PC	Quality Assurance Standard Audit Checklist - Radiological Protection & Process Control: January 10 - January 20, 2022	01/20/2022
71124.03	Miscellaneous	STS PE-002-FGG02A	Charcoal Adsorbent Sampling for Nuclear Safety Related Units - FGG02A	07/06/2022
71124.03	Miscellaneous	STS PE-002-FGG02B	Charcoal Adsorbent Sampling for Nuclear Safety Related Units - FGG02B	08/23/2022
71124.03	Miscellaneous	STS PE-005-FGG02B	HEPA Filter In-Place Leak Test Safety Related Units - FGG02B	08/15/2022
71124.03	Miscellaneous	STS PE-006-FGG02B	Charcoal Adsorber In-Place Leak Test Safety Related Units - FGG02B	08/15/2022
71124.03	Miscellaneous	STS PE-006-FGK02B	Charcoal Adsorber In-Place Leak Test Safety Related Units - FGK02B	03/03/2022
71124.03	Miscellaneous	STS-PE-005-FGK01B	HEPA Filter In-Place Leak Test Safety Related Units - FGK01B	02/21/2022
71124.03	Procedures	AI 10-004	Air Fill Station Operation	4A
71124.03	Procedures	AI 14-009	Industrial Respiratory Protection Program	7
71124.03	Procedures	AP 25B-100	Radiation Worker Guidelines	55
71124.03	Procedures	MCE CF-001	Filtration Units Bulk Spent Charcoal Changeout	1A
71124.03	Procedures	MCE CF-002	Filtration Unit Spent Charcoal Tray Replacement	3
71124.03	Procedures	RPP 05-607	Operation of the Portacount	14A
71124.03	Procedures	STS PE-002	Charcoal Adsorbent Sampling for Nuclear Safety Related Units	15
71124.03	Procedures	STS PE-005	HEPA Filter In-Place Leak Test Safety Related Units	13
71124.03	Procedures	STS PE-006	Charcoal Adsorber In-Place Leak Test Safety Related Units	17
71124.03	Radiation Work Permits (RWPs)	220061	Fuel Building Transfer Canal Entry for Repair/Inspection and Decon of Fuel Building Transfer System.	1
71151	Miscellaneous	RA 22-0038	2021 Annual Radioactive Effluent Release Report - Report 45	04/25/2022
71151	Miscellaneous	STN CH-024	Wolf Creek Generating Station ODCM Surveillance Reports: 2022 January through September	
71151	Procedures	STN CH-024	Quarterly/Yearly Dose Projections	4
71152A	Corrective Action Documents	Condition Reports	20499, 96405, 99718, 10011538, 10019657, 10020251, 10020290, 10020304	
71152A	Procedures	AP 02B-002	Closed Cooling Water Chemistry Control	7

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
71152A	Work Orders	WO	19-456413-000	
71152S	Corrective Action Documents	Condition Reports	10013158, 10013210, 10013236, 10013254, 10014124, 10014211, 10014212, 10014598, 10014599, 10014600, 10014601, 10014602, 10014603, 10018450, 10020738, 10020739, 10020740, 10020741, 10020742, 10020743, 10020770, 10020771	
71152S	Corrective Action Documents Resulting from Inspection	Condition Report	10021065	
71152S	Miscellaneous	22-05-EP	Quality Assurance Audit Report (Emergency Preparedness)	06/06/2022
71152S	Miscellaneous	SA-2021-0171	EP Program and PI Self-Assessment	03/24/2022
71153	Corrective Action Documents	Condition Reports	10019281, 10019287, 10019604, 10019607, 10019608, 10019610, 10019613	
71153	Procedures	OFN EF-033	Loss of Essential Service Water	24