



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**

REGION III
2443 WARRENVILLE ROAD, SUITE 210
LISLE, ILLINOIS 60532-4352

November 9, 2023

David P. Rhoades
Senior Vice President
Constellation Energy Generation, LLC
President and Chief Nuclear Officer (CNO)
Constellation Nuclear
4300 Winfield Road
Warrenville, IL 60555

SUBJECT: LASALLE COUNTY STATION – INTEGRATED INSPECTION REPORT
05000373/2023003; 05000374/2023003 AND 07200070/2023001

Dear David Rhoades:

On September 30, 2023, the U.S. Nuclear Regulatory Commission (NRC) completed an inspection at LaSalle County Station. On October 11, 2023, the NRC inspectors discussed the results of this inspection with John VanFleet, Site Vice President, and other members of your staff. The results of this inspection are documented in the enclosed report.

Two findings of very low safety significance (Green) are documented in this report. One of these findings 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 III; the Director, Office of Enforcement; and the NRC Resident Inspector at LaSalle County Station.

If you disagree with a cross-cutting aspect assignment or a finding not associated with a regulatory requirement 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 III; and the NRC Resident Inspector at LaSalle County 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,



Signed by Ruiz, Robert
on 11/09/23

Robert Ruiz, Chief
Reactor Projects Branch 1
Division of Operating Reactor Safety

Docket Nos. 05000373; 05000374; 07200070
License Nos. NPF-11 and NPF-18

Enclosure:
As stated

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Letter to David Rhoades from Robert Ruiz dated November 9, 2023.

SUBJECT: LASALLE COUNTY STATION – INTEGRATED INSPECTION REPORT
05000373/2023003; 05000374/2023003 AND 07200070/2023001

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U.S. NUCLEAR REGULATORY COMMISSION
Inspection Report

Docket Numbers: 05000373; 05000374; 07200070

License Numbers: NPF-11 and NPF-18

Report Numbers: 05000373/2023003; 05000374/2023003; 07200070/2023001

Enterprise Identifier: I-2023-003-0053; I-2023-001-0107

Licensee: Constellation Nuclear

Facility: LaSalle County Station

Location: Marseilles, IL

Inspection Dates: July 01, 2023 to September 30, 2023

Inspectors: J. Benjamin, Senior Resident Inspector
N. Cuevas, Resident Inspector
G. Edwards, Senior Enforcement Specialist
J. Meszaros, Resident Inspector
N. Shah, Senior Project Engineer
P. Smagacz, Resident Inspector
R. Zuffa, Illinois Emergency Management Agency

Approved By: Robert Ruiz, Chief
Reactor Projects Branch 1
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 LaSalle County 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 Verify That Received Equipment Conformed with Procurement Documents, Resulting in an Internal Fire and LaSalle Unit 2 Manual Scram			
Cornerstone	Significance	Cross-Cutting Aspect	Report Section
Initiating Events	Green FIN 05000374/2023003-02 Open/Closed	[H.8] - Procedure Adherence	71153
The inspectors identified a self-revealed Green finding for the licensee's failure to assure that purchased equipment conformed to procurement documents in accordance with site procedure SM-AA-101, "Warehouse Operations." Specifically, the licensee received and applied a thermal joint compound on bolted connections found in the Unit 2 isophase bus duct enclosure. An electric joint compound that would have increased conductivity at these connections should have instead been used. The issue resulted in a fire on the 735' elevation of the turbine building, where the isophase bus duct is located, and a manual scram of the Unit 2 reactor.			

Failure to Ensure 'A' Train Main Control Room Ventilation Return Fan Breaker Instantaneous Trip Setpoint Set to Design Specifications			
Cornerstone	Significance	Cross-Cutting Aspect	Report Section
Barrier Integrity	Green NCV 05000373,05000374/2023003-03 Open/Closed	[H.7] - Documentation	71153
The inspectors identified a self-revealed Green finding and associated NCV of 10 CFR Part 50, Appendix B, Criterion XI, "Test Control," for the licensee's failure to ensure adequate test control prior to placing the 'A' train main control room ventilation system (VC) and auxiliary electric room ventilation system (VE) return fan (0VE02CA) breaker into service on May 5, 2021. As a result of the performance deficiency, the VC/VE 'A' train was declared inoperable on multiple occasions due to the 0VE02CA return fan breaker instantaneous current trip setpoint set below the design requirements.			

Additional Tracking Items

Type	Issue Number	Title	Report Section	Status
URI	05000373,05000374/2023003-01	Continuous Basket Shim Design Change for HI-STORM 100	60855	Open

LER	05000374/2022-003-02	LER 2022-003-02 for LaSalle County Station, Unit 2, Manual Scram due to Isophase Bus Duct Fire Followed by 2A RPS Normal Power Supply Trip	71153	Closed
LER	05000373/2023-001-00	LER 2023-001-00 for LaSalle County Station, Unit 1, Low Pressure Core Spray Inoperable due to Minimum Flow Valve Flow Pressure Switch Failure	71153	Closed
LER	05000373,05000374/2022-003-00	LER 2022-003-00 for LaSalle County Station, Units 1 and 2, Main Control Room and Auxiliary Electric Room HVAC Declared Inoperable Due to Multiple Component Failures	71153	Closed

PLANT STATUS

Unit 1

Unit 1 began the inspection period at rated thermal power. On September 7, 2023, the unit was down powered to approximately 63 percent for planned control rod pattern adjustment, feed pump turbine maintenance and main turbine stop valve testing. The unit returned to full power on September 8, 2023, and operated at or near rated thermal power for the remainder of the inspection period.

Unit 2

Unit 2 began the inspection period at rated thermal power. On September 16, 2023, the unit down powered to approximately 80 percent for a planned control rod pattern adjustment. The unit returned to full power on September 8, 2023, and operated 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

71111.01 - Adverse Weather Protection

Seasonal Extreme Weather Sample (IP Section 03.01) (1 Sample)

- (1) The inspectors evaluated the licensee's overall winter readiness preparations.

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) Unit 1 low pressure core spray system on August 8, 2023
- (2) Unit common 'B' train control room ventilation and cooling (VC/VE) system during 'A' VC/VE planned unavailability on September 26, 2023

71111.05 - Fire Protection

Fire Area Walkdown and Inspection Sample (IP Section 03.01) (3 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) Fire Zone 8B2, "Diesel Generator Building, Elevation 710'-0," Unit 2 Division 2 Standby Diesel-Generator Room," and Fire Zone 8B4, "Diesel Generator Building, 710'-0" Elevation, U2 Division 2 Diesel Day Tank Room," on August 2, 2023
- (2) Fire Zone 4D2, "Aux. Bldg., 749'-0" Elev., U2 Cable Spreading Room," and Fire Zone 4D4, "Aux. Bldg., 749'-0" Elev., U2 Electrical Equipment Room," on August 31, 2023
- (3) Fire Zone 7B1, "Diesel Generator Building, Elevation 710'-0", Unit 1 HPCS Standby Diesel-Generator Room," and Fire Zone 7B4, "Diesel Generator Building, 710'-0" Elevation, U1 HPCS Diesel Day Tank Room," on September 28, 2023

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 a planned Unit 1 down power to 85 percent on September 7, 2023, for rod pattern adjustment and to take a turbine driven reactor feed pump offline for maintenance.

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

- (1) The inspectors observed and evaluated the conduct of licensed operators during simulator training on July 11, 2023.

71111.12 - Maintenance Effectiveness

Maintenance Effectiveness (IP Section 03.01) (4 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) The inspectors evaluated the effectiveness of maintenance associated with the 2A emergency diesel generator starting air motors inline oiler as a result of an observed failure to educt oil into the starting motors on May 15, 2023.
- (2) Unit 1 low-pressure core spray pump minimum flow valve, switch 1E21-N004, on August 29, 2023
- (3) The inspectors evaluated the effectiveness of maintenance associated with the common 'B' diesel fire pump as a result of coolant relief valve lifting during a scheduled monthly run-on August 4, 2023.
- (4) The inspectors evaluated the effectiveness of maintenance on 1A emergency diesel generator on September 6, 2023.

71111.13 - Maintenance Risk Assessments and Emergent Work Control

Risk Assessment and Management Sample (IP Section 03.01) (3 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) emergent maintenance required for the 'B' diesel fire pump starting on August 4, 2023 (Work Order [WO] 5389569)
- (2) emergent maintenance requiring swap of the Unit 2B reactor protection system from the MG set feed to alternate feed on September 14, 2023
- (3) planned Action Green risk associated with Unit 1 high-pressure core spray (HPCS) and division 3 emergency diesel generator work window September 18 - 21, 2023, and planned reactor core isolation cooling (RCIC) surveillance on September 21, 2023

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) Action Request (AR) 4692276 "Unit 1 Division 3 ECCS [emergency core cooling system] Equipment Cooler as Found Low Flow"
- (2) Unit 2B diesel generator operability determination due to room ventilation supply filter high differential pressure on September 29, 2023
- (3) 2A residual heat removal (RHR) pump operability determination due to seal leakage on August 29, 2023
- (4) Unit 2 RCIC operability after American Society of Mechanical Engineers (ASME) testing of system check valves was not completed as described in AR 4704224

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) (10 Samples)

- (1) PMT of the weld repair on the 2B RT regenerative heat exchanger as described in WO 5374387
- (2) PMT of the Unit 1 main control room gross gamma radiation monitor 1RIT-CM011 following power supply replacement as described in WO 5383393
- (3) Unit 2A RHR suppression spray isolation valve 2E12-F027A testing following breaker maintenance on August 8, 2023
- (4) 1A diesel generator testing following maintenance window on September 21, 2023
- (5) 1A diesel generator cooling water pump PMT following breaker replacement on August 8, 2023

- (6) PMT of the turbine stop valve #4, channel 'A' relay after limit switch replacement as described in WO 5370581
- (7) Unit 1 HPCS room cooler testing following maintenance on September 21, 2023
- (8) 1B diesel generator testing following maintenance window on September 21, 2023
- (9) Unit common 0B VC and VE system following maintenance on September 27, 2023
- (10) post-maintenance calibration of 1LT-FC165 "Unit 1 Primary Level Transmitter for the Spent Fuel Pool," in accordance with WO 1796617 on September 28, 2023

Surveillance Testing (IP Section 03.01) (2 Samples)

- (1) 1B diesel generator testing on July 24, 2023
- (2) Unit 1 quarterly scram time testing on September 8, 2023

Inservice Testing (IST) (IP Section 03.01) (2 Samples)

- (1) Unit 2A RHR system in-service testing on August 9, 2023
- (2) Work Orders 5363218 and 5380636, "0 (common) DG Cooling Water Pump In-service Test," on August 7, 2023

Diverse and Flexible Coping Strategies (FLEX) Testing (IP Section 03.02) (1 Sample)

- (1) FLEX diesel generator 0FF01KB triennial functional test per LOS-FSG-SR1 on September 22, 2023

71114.06 - Drill Evaluation

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

The inspectors evaluated:

- (1) emergency preparedness exercise on August 15, 2023, in the control room simulator and technical support center

RADIATION SAFETY

71124.08 - Radioactive Solid Waste Processing & Radioactive Material Handling, Storage, & Transportation

Radioactive Material Storage (IP Section 03.01) (2 Samples)

The inspectors evaluated the licensee's performance in controlling, labeling, and securing the following radioactive materials:

- (1) sea-van container located adjacent to the interim radiological waste storage facility
- (2) waste barrels located in the radiological waste facility

Radioactive Waste System Walkdown (IP Section 03.02) (2 Samples)

The inspectors walked down the following accessible portions of the solid radioactive waste systems and evaluated system configuration and functionality:

- (1) ALPS unit
- (2) resin processing equipment

Waste Characterization and Classification (IP Section 03.03) (3 Samples)

The inspectors evaluated the following characterization and classification of radioactive waste:

- (1) ALPS charcoal
- (2) dry activated waste smears
- (3) spent resin tank

Shipment Preparation (IP Section 03.04) (1 Sample)

- (1) The inspectors observed the preparation of radioactive shipment LW-23-005, "Dewatered Spent Resin, LSA-II."

Shipping Records (IP Section 03.05) (5 Samples)

The inspectors evaluated the following non-excepted radioactive material shipments through a record review:

- (1) LM-23-017; Laundry Shipment; LSA-II
- (2) LW-22-024; Spent Resin; Type B(U)
- (3) LW-23-003; Dewatered Spent Resin; LSA-II
- (4) LW-23-019; Dry Activated Waste (DAW); LSA-II
- (5) LW-23-030; Spent Resin; LSA-II

OTHER ACTIVITIES – BASELINE

71151 - Performance Indicator Verification

The inspectors verified licensee performance indicators submittals listed below:

MS06: Emergency AC Power Systems (IP Section 02.05) (2 Samples)

- (1) Unit 1 (July 1, 2022, through June 30, 2023)
- (2) Unit 2 (July 1, 2022, through June 30, 2023)

MS07: High Pressure Injection Systems (IP Section 02.06) (2 Samples)

- (1) Unit 1 (July 1, 2022, through June 30, 2023)
- (2) Unit 2 (July 1, 2022, through June 30, 2023)

MS09: Residual Heat Removal Systems (IP Section 02.08) (2 Samples)

- (1) Unit 1 (July 1, 2022, through June 30, 2023)
- (2) Unit 2 (July 1, 2022, through June 30, 2023)

BI01: Reactor Coolant System (RCS) Specific Activity Sample (IP Section 02.10) (2 Samples)

- (1) Unit 1 (September 1, 2022, through July 31, 2023)
- (2) Unit 2 (September 1, 2022, through July 31, 2023)

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

- (1) September 1, 2022, through July 31, 2023

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) September 1, 2022, through July 31, 2023

71152A - Annual Follow-up Problem Identification and Resolution

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

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

- (1) AR 4524567, "U2 Manually Scrammed due to fire in U2 Gen Bus Ducts," as associated with root cause report "Unit 2 Manually Scrammed Due to a Fire in the Isophase Bus Duct"

71152S - Semiannual Trend Problem Identification and Resolution

Semiannual Trend Review (Section 03.02) (1 Sample)

- (1) nonemergent work backlog list

71153 - Follow Up of Events and Notices of Enforcement Discretion

Event Report (IP Section 03.02) (3 Samples)

The inspectors evaluated the following licensee event reports (LERs):

- (1) LER 05000374/2022-003-02 for LaSalle County Station, Unit 2, "Manual Scram Due to Isophase Bus Duct Fire Followed By 2A RPS Normal Power Supply Trip," (Agencywide Documents Access and Management System [ADAMS] Accession No. ML23167A076). The inspectors reviewed the updated LER submittal. The previous LER submittal was reviewed in NRC Integrated Inspection Report 05000373/2023001 and 05000374/2023001. The inspection conclusions associated with this LER are documented in this report under Inspection Results Section 71153. This LER is closed.

- (2) LER 05000373/2023-001-00, "Low Pressure Core Spray Inoperable Due to Minimum Flow Valve Pressure Switch Failure," (ADAMS Accession No. ML23167A071). The inspectors determined that it was not reasonable to foresee or correct the cause discussed in the LER; therefore, no performance deficiency was identified. The inspectors did not identify a violation of NRC requirements. This LER is closed.
- (3) LER 05000373/2022-003-00; 05000373/2022-003-01; 05000373/2022-003-02, "Main Control Room and Auxiliary Electric Room HVAC Declared Inoperable Due to Multiple Component Failures," (ADAMS Accession No. ML22362A013). The inspection conclusions associated with this LER are documented in this report under Inspection Results Section 71153. This LER is closed.

OTHER ACTIVITIES – TEMPORARY INSTRUCTIONS, INFREQUENT AND ABNORMAL

60855 - Operation of an ISFSI

Operation Of an ISFSI (1 Sample)

- (1) The inspectors evaluated the licensee's independent spent fuel storage installation (ISFSI) cask loading activities from July 10 through July 14, 2023. Specifically, the inspectors observed the following activities during the loading of Multi-Purpose Canister (MPC) No. 811:
 - fuel selection and fuel loading
 - heavy load movement of transfer cask and multipurpose canister into stack-up configuration
 - drying and backfill evolutions
 - closure welding and non-destructive weld evaluations
 - stack-up and download of the MPC from the transfer cask into the storage cask
 - radiological field surveys

The inspectors performed walkdowns of the ISFSI pad, which also included performing independent radiation surveys and walkdowns of the ISFSI haul path.

The inspectors evaluated the following:

- spent fuel selected for loading into dry cask storage during this loading campaign
- selected corrective action program documents
- selected 72.48 screenings

INSPECTION RESULTS

Unresolved Item (Open)	Continuous Basket Shim Design Change for HI-STORM 100 URI 05000373,05000374/2023003-01	60855
<u>Description:</u> The inspectors identified an unresolved item (URI) related to design changes on the dry storage system multi-purpose canisters (MPC) utilized by the licensee. On February 17, 2021, Holtec International, the supplier of the HI-STORM 100 dry storage system for		

LaSalle County Station, performed Engineering Change Orders (ECO) 5014-320 and 1021-153; and 10 CFR 72.48 Evaluation 1502. These evaluations performed a design change to introduce a new MPC basket design to the HI-STORM 100 dry storage system, designated as the continuous basket shim (CBS) variant.

On September 12, 2023, the NRC issued Inspection Report 07201014/2022-201 (ADAMS Accession No. ML23145A175) to Holtec International, identifying three apparent violations associated with design change. The apparent violations, related to 10 CFR 72.48 and 10 CFR 72.146 requirements, are for Holtec's apparent failure to provide adequate bases that the CBS variant did not require a license amendment; apparent failure to ensure the change did not result in a departure from the method of evaluations described in the Final Safety Analysis Report; and apparent failure to establish design control measures commensurate with those applied to the original design.

On June 2, 2023, the licensee adopted Holtec's CBS ECO/72.48 through the licensee's 72.48 program, #159, and subsequently loaded the MPC-68M-CBS canisters from July 10, 2023 to July 31, 2023.

General licensees are responsible to ensure that each cask they use conforms to the terms, conditions, and specifications of a Certificate of Compliance (CoC) or an amended CoC listed in 10 CFR 72.214 and regulatory requirements in 10 CFR Part 72.

Accordingly, pending determination of the final enforcement action to Holtec International associated with the design change, it may be determined that LaSalle County Station's loading of the dry storage system did not meet regulatory requirements.

Planned Closure Actions: The licensee's performance related to the adoption and use of the MPC-68M-CBS canister is unresolved at this time as the NRC has not made a final determination for the apparent violations documented in Inspection Report 07201014/2022-201. The Inspectors can evaluate the licensee's compliance with regulatory requirements associated with loading of MPC baskets with the CBS variant once a final determination is made.

Licensee Actions: The licensee's loading of the CBS fuel basket MPC-68M-CBS assumes the risk of potentially being in violation of regulatory requirements pending the outcome of the NRC enforcement actions involving Holtec.

The licensee entered the issue into its corrective action program and initiated actions to review the results of the NRC's final determination and determine if changes are needed to station documents.

Corrective Action References: AR 4683011; "Potential NRC Concern Regarding HOLTEC DCS System," June 6, 2023

Failure to Verify That Received Equipment Conformed with Procurement Documents, Resulting in an Internal Fire and LaSalle Unit 2 Manual Scram			
Cornerstone	Significance	Cross-Cutting Aspect	Report Section
Initiating Events	Green FIN 05000374/2023003-02 Open/Closed	[H.8] - Procedure Adherence	71153
<p>The inspectors identified a self-revealed Green finding for the licensee's failure to assure that purchased equipment conformed to procurement documents in accordance with site procedure SM-AA-101, "Warehouse Operations." Specifically, the licensee received and applied a thermal joint compound on bolted connections found in the Unit 2 isophase bus duct enclosure. An electric joint compound that would have increased conductivity at these connections should have instead been used. The issue resulted in a fire on the 735' elevation of the turbine building, where the isophase bus duct is located, and a manual scram of the Unit 2 reactor.</p>			
<p><u>Description:</u></p> <p>The isophase bus at LaSalle County Generating Station (LCGS) consists of three aluminum buses, one per phase, that connect the output of the main generator to several station transformers. Portions of the isophase bus can be found in the turbine building, on the 735' elevation of the building. The isophase bus is cooled by forced air within three separate enclosures surrounding each of the bus phases. The configuration including both the aluminum buses and their associated enclosures is called the isophase bus duct (IPBD). Segments of the bus phases are connected by braided copper "flexible links" that allow for thermal expansion. Similar laminated copper "shunt" connections within the enclosures provide the same purpose. A retractable cover with a sealing neoprene gasket is placed over the shunts so that both the shunts and flexible links can be accessed for inspection and maintenance.</p> <p>On September 26, 2022, smoke was reported in the 735' elevation of the LCGS turbine building. Members of the licensee fire brigade identified that the Unit 2 A-phase IPBD enclosure cover was on fire. Operations personnel scrambled Unit 2 as a result; concurrently the fire was extinguished by the fire brigade using a fire extinguisher. The inspectors reviewed the licensee's event root cause report. They noted that the identified cause of the event was use of an incorrect joint compound applied at the bolted connection surfaces associated with the enclosure shunts.</p> <p>The root cause report noted that the incorrect compound was applied during a maintenance activity on the Unit 2 IPBD in February 2021. The maintenance activity required that both shunt and flexible link connections be removed, cleaned, and reinstalled. The associated instructions required that an electric joint compound be applied to contact surfaces of the enclosure shunt bolted connections to increase the conductivity at these connections. Instead, a thermal joint compound was found to be applied, which had the effect of increasing the resistance at these connections. These localized areas of increased resistance resulted in thermal hot spots, inadvertent rerouting of current flow through IPBD connections, and mechanical failure of shunt connections and IPBD structural members. Eventually, the neoprene gasket on the retractable cover ignited, causing the observed fire.</p> <p>The root cause report notes that the incorrect thermal joint compound was provided by a vendor even though the correct electrical joint compound was requested in an associated</p>			

purchase order. The incorrect joint compound was then received and accepted into storage at LCGS. Reference AR 4558801 further identifies that the purchase order requested a specific manufacturer's electrical joint compound. A material handler did not identify upon receipt that a different manufacturer's thermal joint compound was supplied. The material handler also did not identify that part numbers on the purchase order and on the received compound did not match. The inspectors reviewed the material receipt and inspection procedure in effect at the time of compound procurement, Procedure SM-AA-102, "Warehouse Operations." It requires that a material handler perform an inspection of a part at the time of receipt and verify that associated identification and markings conform with the associated purchase order. Extent of condition review included in the licensee root cause report identified that the incorrect thermal joint compound was also used during maintenance activities on the Unit 1 IPBD.

Corrective Actions: During the last Unit 2 refueling outage in February 2023, the licensee replaced bolted enclosure shunts and bus flexible links with welded flexible connections. This eliminated the need for periodic maintenance on the shunts and the need for application of a joint compound on bolted connections. The licensee will also replace Unit 1 shunts and links during the upcoming February 2024 refueling outage. In the meantime, an adverse condition monitoring plan was implemented to monitor Unit 1 IPBD temperatures on a shiftly basis. The licensee also removed the thermal joint compound from the supply system and performed an extent of condition review to evaluate other uses of the incorrect joint compound within the plant.

Corrective Action References: AR 4524567 and AR 4558801

Performance Assessment:

Performance Deficiency: The inspectors determined that the failure to assure that purchased equipment, specifically a joint compound for application on IPBD enclosure shunt connections, conformed to procurement documents in accordance with site procedure SM-AA-101, "Warehouse Operations," was within the licensee's ability to foresee and correct and is therefore, a performance deficiency.

Screening: The inspectors determined the performance deficiency was more than minor because it was associated with the Human Performance attribute of the Initiating Events cornerstone and adversely affected the cornerstone objective to limit the likelihood of events that upset plant stability and challenge critical safety functions during shutdown as well as power operations. Specifically, use of the incorrect joint compound on Unit 2 bolted shunt connections in the IPBD bus duct enclosure directly resulted in a fire at the 735' elevation of the turbine building and a manual scram of the Unit 2 reactor on September 26, 2022.

Significance: The inspectors assessed the significance of the finding using IMC 0609 Appendix A, "The Significance Determination Process (SDP) for Findings At-Power." The inspectors answered 'no' to the questions included in Exhibit 1, "Initiating Events Screening Questions." The finding was thus screened as having very low safety significance (Green) because the internal fire did not result in the loss of mitigating equipment relied upon to transition the plant to a stable shutdown condition.

Cross-Cutting Aspect: H.8 - Procedure Adherence: Individuals follow processes, procedures, and work instructions. Specifically, the licensee failed to follow the requirements included in site procedure SM-AA-101, "Warehouse Operations," which required that purchased equipment conform to procurement documents upon receipt. As a result, the incorrect joint

compound was received at LCGS and used on the Unit 2 IPBD enclosure shunts.

Enforcement: inspectors did not identify a violation of regulatory requirements associated with this finding.

Failure to Ensure 'A' Train Main Control Room Ventilation Return Fan Breaker Instantaneous Trip Setpoint Set to Design Specifications

Cornerstone	Significance	Cross-Cutting Aspect	Report Section
Barrier Integrity	Green NCV 05000373,05000374/2023003-03 Open/Closed	[H.7] - Documentation	71153

The inspectors identified a self-revealed Green finding and associated NCV of 10 CFR Part 50, Appendix B, Criterion XI, "Test Control," for the licensee's failure to ensure adequate test control prior to placing the 'A' train main control room control room ventilation system (VC) and auxiliary electric room ventilation system (VE) return fan (0VE02CA) breaker into service on May 5, 2021. As a result of the performance deficiency, the VC/VE 'A' train was declared inoperable on multiple occasions due to the 0VE02CA return fan breaker instantaneous current trip setpoint set below the design requirements.

Description:

During the week of May 20, 2022, the licensee was performing planned maintenance on the VC/VE 'B' train and entered the applicable Technical Specification limiting condition for operation (LCO) action statements 3.7.4 A.1 and 3.7.5 A.1. Following the VC/VE 'B' train work post-maintenance test (PMT), the licensee determined that additional repairs were required. When swapping from the in-service VC/VE 'B' train back to the standby VC/VE 'A' train, the breaker for the VC/VE 'A' train return fan, 0VE02CA, tripped. The licensee reattempted to start the fan, which resulted in a second failure to start. The licensee entered a 12-hour shutdown Technical Specification LCO action statement requirement for both inoperable VC/VE trains. The licensee's electrical maintenance department performed troubleshooting and did not identify the actual cause of the trip. Operators used an abnormal operating procedure to reset all targets for the fan and successfully started the return fan and declared the VC/VE 'A' train operable. The licensee reported the event in License Event Report (LER) 05000373/2022-003-02.

In parallel to the VC/VE 'A' train return fan breaker troubleshooting, the repairs were completed on the VC/VE 'B' train, which required another train swap for PMT. The VC/VE 'B' train was then placed in service and the VC/VE 'A' train was placed in standby. A filter was left in service for the VC/VE 'B' train to ensure any foreign material was captured after the maintenance window. Therefore, the licensee remained in a 30-day Technical Specification LCO 3.7.5 action statement.

On May 23, 2022, another swap was to be performed from VC/VE 'B' train to the VC/VE 'A' train to remove the filter. During the train swap, return fan, 0VE02CA, tripped and operations declared VC/VE 'A' train inoperable and entered the associated Technical Specification LCOs. Concurrently, the filter was removed from VC/VE 'B' train and operations restored 'B' train operability. The licensee's electrical maintenance department performed troubleshooting, successfully started the fan, and operations declared the VC/VE 'B' train operable.

The licensee performed a root cause to determine the reason the 0VE02CA breaker had tripped on multiple occasions. The licensee determined that the return fan breaker instantaneous current trip setting was set to its minimum allowable which was outside of the acceptable design range specification. Trip testing of the breaker found that the breaker tripped at approximately 501 amps. The inrush current with the breaker installed upon fan start was found to be 824 amps, and the fan would remain running as expected if the instantaneous trip setting was set to the correct setpoint of 875 amps. Vendor testing documentation did not specify that the breaker was tested at the required trip set point of 875 amps and rather only tested the breaker within the range of 490 amps to 1470 amps. License engineering change and work order documents did not contain test control measures to ensure the 0VE02CA return fan breaker was set and tested to the correct instantaneous trip setting.

Corrective Actions: The licensee entered the issue into the corrective action program and corrected the issue by ensuring the 0VE02CA breaker instantaneous current trip was set to a value within the design specifications.

Corrective Action References: Condition Report 4533751, Work Order 5297341, Engineering Request Change 456436.

Performance Assessment:

Performance Deficiency: The inspectors identified that the failure to ensure the 0VE02CA return fan breaker instantaneous trip current setting was set and tested to the correct design setpoint prior to installation on May 5, 2021, was a performance deficiency. Specifically, the licensee did not ensure this breaker was tested in a manner that verified this design specification prior to placing it in service.

Screening: The inspectors determined the performance deficiency was more than minor because it was associated with the SSC and Barrier Performance attribute of the Barrier Integrity cornerstone and adversely affected the cornerstone objective to provide reasonable assurance that physical design barriers protect the public from radionuclide releases caused by accidents or events. Specifically, the failure to ensure that 0VE02CA return fan breaker instantaneous current trip setpoint was set correctly resulted in multiple unplanned occasions of VC/VE 'A' train inoperability.

Significance: The inspectors assessed the significance of the finding using IMC 0609 Appendix A, "The Significance Determination Process (SDP) for Findings At-Power." The inspectors assessed the significance of the finding using IMC 0609 Appendix A, "The Significance Determination Process (SDP) for Findings At-Power." The inspectors determined that Barrier Integrity cornerstones were affected. Using Exhibit 3 – Barrier Integrity Screening Questions, section D, "Control Room Auxiliary, Reactor, or Spent Fuel Pool Building," the inspectors determined that the finding screened to green because the performance deficiency did not represent a degradation of the barrier function against radiological, smoke, or a toxic atmosphere. The performance deficiency was limited to the 'A' VC/VE train.

Cross-Cutting Aspect: H.7 - Documentation: The organization creates and maintains complete, accurate and up-to-date documentation. The inspectors determined that the performance deficiency was indicative of recent performance based upon the May 5, 2021, installation date and assigned the cross-cutting aspect H.7, Documentation. The licensee did not create and maintain complete, accurate, and up-to-date documentation to ensure that the

0VE02CA return fan breaker was installed with the correct instantaneous trip setting.

Enforcement:

Violation: Title 10 CFR Part 50, Appendix B, Criterion XI, "Test Control," requires, in part, a test program shall include, as appropriate, proof tests prior to installation, preoperational tests, and operational tests during nuclear power plant or fuel reprocessing plant operation, of structures, systems, and components (SSCs).

Contrary to the above, from May 5, 2021 to May 23, 2022, the licensee's test program failed to include appropriate proof tests prior to installation or preoperational tests of SSCs. Specifically, the licensee failed to ensure that breaker 0VE02CA (a safety-related component) instantaneous trip setting had been set and tested to within the design specifications.

Enforcement Action: This violation is being treated as a non-cited 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 October 11, 2023, the inspectors presented the integrated inspection results to John VanFleet, Site Vice President, and other members of the licensee staff.
- On July 14, 2023, the inspectors presented the ISFSI cask loading inspection results to John VanFleet, Site Vice President, and other members of the licensee staff.
- On August 11, 2023, the inspectors presented the radiation protection inspection results to John VanFleet, Site Vice President, and other members of the licensee staff.

DOCUMENTS REVIEWED

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
60855	Corrective Action Documents	AR 4461763	Issue with Reactor Building Overhead Crane Aux Hook	11/18/2021
		AR 4468987	Reactor Building Overhead Crane Issues	12/30/2021
		AR 4474045	U1 Refuel Bridge Fails Mono-Hoist Surveillance	01/26/2022
		AR 4504179	Issues Identified on Walkdown of ISFSI Pad	06/07/2022
		AR 4504192	RX Bldg Overhead Crane Broken	06/07/2022
		AR 4529003	ISFSI Haul Path Concrete Degraded	10/10/2022
		AR 4529008	ISFSI Pad Concrete Degraded	05/05/2022
		AR 4529352	ISFSI BI-ANNUAL WALKDOWN COMPLETED	10/14/2022
		AR 4530635	ISFSI ANNUAL WALKDOWN COMPLETED	10/14/2022
		AR 4549211	Walkdown Identifies Issues with Unit 2 Refuel Bridge	01/19/2023
		AR 4671342	ISFSI Bi-Annual Walkdown Completed 04/12/2023	04/12/2023
		AR 4674822	Hi-Storm 405 Position 51 Hole in Bottom Screen	05/02/2023
		AR 4683011	Potential NRC Concern Regarding HOLTEC DCS System	06/06/2023
		AR 4684377	2023 Dry Cask Storage Cask 1 Lessons Learned	06/13/2023
		AR 4687136	FHD Skid Tripped on High Pressure Switch Tripped	06/27/2023
	Corrective Action Documents Resulting from Inspection	AR 4690290	NRC Identified Water Jacket Plug Leaking	07/13/2023
		AR 4690299	NRC Identified Missing Attachment from Work Order	07/13/2023
	Engineering Changes	EC 638690	Spent Fuel Casks for the 2023 Loading Campaign (LaSalle) - ISFSI	0
	Miscellaneous	72.48-155	Procedure LFP-800-70 72.48 Screening	0
		72.48-157	Procedure OU-AA-630-102 72.48 Screening	0
		72.48-159	Spent Fuel Casks for the 2023 Loading Campaign (LaSalle) - ISFSI	0
		L-004415	LaSalle Fuel Selection Packages for the 2023 ISFSI Campaign - ISFSI	0
		NF220791	LaSalle 2023 SFLC Cask Loading Requirements Memorandum - ISFSI	03/03/2023
	NDE Reports	919508-811	Report of Nondestructive Examination	07/11/2023
	Procedures	GQP-9.2	High Temperature Liquid Penetrant Examination and	2

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
			Acceptance Standards For Welds, Base Materials and Cladding (50° - 350°F)	
		LFP-800-69	HI-TRAC Movement Within The Reactor Building	29
		LFP-800-70	HI-TRAC Loading Operations	21
		MSLT-MPC-EXELON-MW	Helium Mass Spectrometer Leak Test Procedure Multipurpose Canister	4214-03
		OU-AA-630-101	Dry Cask Storage / ISFSI Inspection Surveillance Program	4
		OU-MW-671-200	MPC Processing Forced Helium Dehydration (FHD) for BWRs	11
	Radiation Surveys	2022-179955	ISFSI Pad	10/21/2022
	Self-Assessments	NOSA-LAS-22-03	Independent Spent Fuel Storage Installation Audit Report	06/30/2022
	Work Orders	WO 5217028	Annual Reactor Building Crane Inspection	12/08/2022
		WO 5229514	Dry Cask Storage HI-STORM Lift Bracket Inspection	10/27/2022
		WO 5229515	Dry Cask Storage Lift Yoke Assembly Inspection	10/27/2022
		WO 5358248	Crane, Beam & Hoist Monthly Inspection	05/15/2023
71111.04	Drawings	M-94	P & ID Low Pressure Core Spray (LPCS)	AO
	Miscellaneous	LOP-LP-01E	Unit 1 Low Pressure Core Spray Electrical Checklist	6
		LOP-LP-01M	Unit 1 Low Pressure Core Spray Mechanical Checklist	13
	Procedures	LOP-LP-02	Preparation for Standby Operation of Low-Pressure Core Spray System	19
71111.05	Corrective Action Documents	AR 4478716	2FP147 Viking Deluge Valve Does Not Pass Flow	02/17/2022
	Corrective Action Documents Resulting from Inspection	AR 4694290	NRC IDENTIFIED - 2FP207 Small Packing Leak	08/02/2023
		AR 4694482	NRC Identified Pre-Fire Plan Symbol Discrepancy	08/03/2023
		AR 4700587	NRC Identified: Rust on 749' Aux Building	09/05/2023
	Fire Plans	FZ 4D2	Aux. Bldg. 749'-0" Elev. U2 Cable Spreading Room	2
		FZ 4D4	Aux. Bldg. 749'-0" Elev. U2 electrical Equipment Room	2
		FZ 7B1	DG. Bldg. 710'-0" Elev. U1 HPCS Diesel- Generator Room	3
		FZ 7B4	DG. Bldg. 710'-0" Elev. U1 HPCS Diesel Day Tank Room	3
		FZ 8B2	DG Bldg. 710'-0" Elev. U2 Division 2 Standby Diesel Generator Room	005
		FZ 8B4	DG Bldg. 710'-0" Elev. U2 Division 2 Diesel Day Tank Room	4
	Procedures	OP-AA-201-008	Pre-Fire Plan Manual	6

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
71111.11Q	Corrective Action Documents	AR 4701458	4.0 Critique for U1 September Load Drop	09/10/2023
	Miscellaneous	2023 OBE 3	LaSalle County Station LORT Dynamic Simulator Scenario Guide	06/14/2023
	Procedures	HU-AA-101	Human Performance Tools and Verification Practices	14
		OP-AA-103-102	Watch-Standing Practices	21
		TQ-AA-155	Conduct of Simulator Training and Evaluation	013
71111.12	Corrective Action Documents	AR 2485587	NRC ID'D Observation on DG Air Start Oiler	04/15/2015
		AR 4011747-04	Unexpected Alarm "LPCS Pump Injection Flow Hi" and Inadvertent Closing of the Min-Flow Valve	06/22/2017
		AR 4029999	Attachment 3 (a)(1) Action Plan Development and Action Plan (Monitoring) Goal Setting Template	09/15/2017
		AR 4029999	Attachment 5 (a)(1) Determination Template	01/31/2019
		AR 4678390	2A B/D Starting Air Motors Inline Oiler not Working	05/15/2023
		AR 4686289	PCRA's to Check Air Start Oilers Function After DG Start	06/22/2023
		AR 4694600	0FP01KB B DFP Coolant Tank Relief Valve Excessively Lifting	08/04/2023
		AR 4694836	Suspected Blown Head Gasket on 0FP01KB, 0B Diesel Fire Pump	08/05/2023
		AR 4695707	0B Diesel Fire Pump Will Not Be Restored in 7 Days	08/10/2023
		AR 4696646	0FP01KB Issues after Head Gasket Replacement	08/15/2023
		AR 4697109	Engine Coolant Leaking into the Oil on B DFP	08/17/2023
		AR 4697109	Engine Coolant Leaking into the Oil on B DFP	08/17/2023
	Miscellaneous	LAS-31230	Failure Analysis of a Pressure Switch for LaSalle Station	07/20/2017
		LAS-N/AE15-1411	Focused Troubleshooting Plan for B DFP Coolant	08/16/2023
	Procedures	LMS-DG-01	Main Emergency Diesel Unit Surveillances	62
		LOP-DG-02	Diesel Generator Startup and Operation	77
		LOS-DG-M2	1A(2A) Diesel Generator Operability Test	110
	Work Orders	WO 1725495	Perform 2A Diesel Generator Inspection per LMS-DG-01	09/22/2016
		WO 1776243	Perform 2B Diesel Generator Inspection per LMS-DG-01	07/26/2016
		WO 5191063	Perform Diesel Generator Inspection Per LMS-DG-01	1
		WO 5355967	LPCS DP Switch 1E21-N004 Malfunctioned	04/17/2023
		WO 5365779	EWP MM 2A Diesel 2DG16MB Oiler Needs Repaired	05/17/2023

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
71111.13	Corrective Action Documents Procedures	WO 5371764	MM 2B DG East Side Air Start Mtr Low Oil Entrained on Start	05/25/2023
		WO 5389569-07	MM Remove/Reinstall for Offsite Maint. B Diesel Fire Engine	08/23/2023
		AR 4702033	Increase in Vibration Trend on 2C71-S001B Flywheel Bearing	09/12/2023
		LOP-RP-04	RPS Bus B Transfer	45
		LOS-RI-Q5	Reactor Core Isolation Cooling (RCIC) System Pump Operability, Valve Inservice Tests in Modes 1,2,3, and Cold Quick Start	51
71111.15	Calculations	OP-AA-107	Integrated Risk Management	6
		WC-AA-101	On-Line Work Control Process	32
		L-002404	CSCS Cooling Water System "Road Map" Calculation	005B
		L-004282	VY02A Cooler Thermal Performance Model	001
	Corrective Action Documents	VD-3A	HPCS Diesel Generator Room Ventilation System	0
		AR 4692261	2B DG Room Ventilation Supply Filter D/P High	07/24/2023
		AR 4692276	Unit 1 Div 3 VY Cooler as Found Low Flow	07/24/2023
		AR 4695291	2A RHR Potential Seal Leak	08/08/2023
	Drawings	AR 4704224	LOS-RI-Q5 Att 2A Complete with Portions UNSAT	09/22/2023
		M-87, Sheet 1	P&ID Core Standby Cooling System Equipment Cooling Water System	BT
		EC 639517	Evaluation of Reduced Cooling Water Flow to 1VY02A	07/24/2023
	Miscellaneous	ER-AA-321-1005, Attachment 1	Condition Monitoring Plan - CM-05	05/08/2018
		IST-LAS-PLAN	Inservice Testing Program Plan Fourth Ten-Year Interval	4
		J-0155	Electro-Motive (EMD) - Diesel Generator Stationary Power / 645E4 Engine Manual, Parts, and Tools Catalogs	02/13/1998
	Procedures	J-0057	Vendor Technical Manual - INGERSOLL-RAND RESIDUAL HEAT REMOVAL (RHR) PUMPS	7
		MA-AA-716-010-1104	Mechanical Seal Leakage Evaluation and Reporting	0
	Work Orders	WO 5046987	LRA LOS-DG-SR7, Att. D, 1VY02A DP Test	11/25/2020
		WO 5101623	LOS-DG-SR7 Acceptance Criteria not Met	05/27/2021
		WO 5147232	VY-SR1 2VY02A Air Side Flow Test HPCS Pump Rm	06/24/2021

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
		WO 5245175	LRA LOS-DG-SR7, Att. D, 1VY02A DP Test	11/21/2022
71111.24	Calculations	CC-AA-309-1001	Analysis of Emergency Diesel Generator Technical Specification Voltage and Frequency Range and Tolerances	9
		L-004390	Flex Diesel Generators Loading Calculation	0
	Corrective Action Documents	AR 4315070	0DG009 Manual Declutch Lever Failure	02/03/2020
		AR 4493534	RM-Rod 38-11 No Position 46 During Rod Cycling	04/16/2022
		AR 4676748	Div 1 Gross Gamma 1RIT-CM011 Issue	05/09/2023
		AR 4695048	0 DG AC Lube Oil Circ Pump Leak	08/07/2023
		AR 4695115	As-Found '0' DG Cooler Flow Outside Procedural Limit	08/07/2023
		AR 4695335	1FI-DG031 Flow Gauge Very Difficult to Read	08/08/2023
		AR 4696708	Uni1 1 Div 1 Gross Gamma Monitor Power Supply Failure	08/16/2023
		AR 4698667	P/S for U1 Div 1 Gross Gamma Rad Monitor Not Like for Like	08/25/2023
		AR 4701066	RM - LOS-RP-SA4 1C71A-K10G Didn't De-energize as Expected	09/07/2023
	Drawings	M-87, Sheet 2	P&ID Core Standby Cooling System Equipment Cooling Water System	BL
	Engineering Changes	EC 390801	Establish Revised Acceptance Criteria for Quarterly "Group A" IST Pump Test for Pump 0DG01P	0
		EC 405649	Thermal Margin of 0/1/2DG01A Standby DG Heat Exchangers with Reduced Cooling Water Flow	02/10/2017
	Procedures	CC-LA-118-1001	Site Implementation of Diverse and Flexible Coping Strategies (FLEX) and Spent Fuel Pool Instrumentation Program	13
		LIS-CM-106A	Unit 1 Post Accident Monitoring (Div 1) Containment Gross Gamma Radiation Monitor Calibration	5
		LOA-FSG-002	Flex Electrical Strategy	15
		LOA-FSG-011	FLEX Beyond Design Basis External Event Guidance	6
		LOS-CM-M1	Monthly Accident Monitoring Instrumentation Channel Check	47
		LOS-DG-M1	0 Diesel Generator Operability Test	98
		LOS-DG-M3	1B(2B) DIESEL GENERATOR OPERABILITY TEST	112
		LOS-DG-Q1	0 Diesel Generator Auxiliaries Inservice Test	75
		LOS-DG-SR5	0 DG Cooling Water System Flow Test	38
		LOS-DG-SR7	Division 3 Cooling Water System Test	25
		LOS-FSG-SR1	FLEX Equipment Surveillance	15

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
		LOS-RH-Q1	Unit 2 A RHR System Operability and Inservice Test	99
		LOS-VG-M1	Standby Gas Treatment System Operability and Inservice Test	48
	Work Orders	MA-AB-725-110	Preventive Maintenance of GE Type AK-25 Circuit Breakers	16
		WO 1796617	Spent Fuel Pool Level Replace Level Transmitter	09/28/2023
		WO 1918773-02	OP PMT: 0VE05YA: Damper Cycles as Required	09/27/2023
		WO 5011802-02	OP PMT: Breaker Closes and Carries Load 0VC01CA Supply Fan	09/26/2023
		WO 5068240	OPS PMT: A VC EMU Train No Door Leaks During Operation	09/27/2023
		WO 5085673-02	OP PMT 'A' VE Chiller Contingency Repairs	09/27/2023
		WO 5086496	2E12F027A A RHR SUP CHBR SPRAY ISOL LOS-RH-Q1 ATT 2A	08/08/2023
		WO 5100692-03	OP PMT Verify No Leaks At NOP	09/26/2023
		WO 5192552	Perform 1B Diesel Generator Inspection per LMS-DG-01	07/14/2023
		WO 5233291-03	OP PMT Functional, Check for Leaks	09/18/2023
		WO 5295569	Flex Generator 0FF01KB Performance Test	09/19/2023
		WO 5319969	EWP MM Perform Cooler Cleaning on 1VY02A	09/18/2023
		WO 5358505-02	OP PMT: 0VE04CA Runs SAT	09/27/2023
		WO 5363218	LOS-DG-Q1 0 DG Cooling Water Pump Inservice Test	08/08/2023
		WO 5363661	Scram Times/10% of Rods/Every 120 Days of Oper(>800 PSI)/PMT, W: L01-LOS-RD-SR12	09/11/2023
		WO 5370581	LOS-RP-Q2 U-1 Turbine Stop Valves Att 1A	09/08/2023
		WO 5371077	LOS-DG-M3 1B DG FAST START	09/18/2023

71111.24	Work Orders	WO 5374387	Weld Repair on Nozzle to Pipe Joint on Top 2B RT Reg HX	07/05/2023
		WO 5375482	Cubicle Inspection and Swap with Refurbished Breaker 1AP21E-303A	
		WO 5380636	LOS-DG-M1 0 DG Idle Start Att 0-IDLE	08/08/2023
		WO 5383393	U1 Div 1 Post LOCA Gross Gamma Rad PPC Indication is Erratic	08/28/2023
71114.06	Corrective Action Documents	AR 4696971	LAS-EP-2023-OYE-MCR-OTHER	08/17/2023
		AR 4697072	LAS-EP-2023-OYE-OSC-OTHER	08/17/2023
		AR 4697091	LAS-EP-2023-OYE-Drill Control	08/17/2023
		AR 4697092	LaSalle EP 2023 Off-Year Exercise - TSC Performance	08/18/2023
	Corrective Action Documents Resulting from Inspection	AR 4697093	NRC ID- Structural Integrity Question for TSC	08/17/2023
	Miscellaneous	LaSalle Off Year Exercise Drill Package	LaSalle Off Year Exercise Drill Package	08/15/2023
	Procedures	EP-AA-11	Operating Stations Emergency Preparedness Process Description	8
		EP-AA-111	Emergency Classification and Protective Action Recommendations	23
		EP-AA-112	Emergency Response Organization (ERO) / Emergency Response Facility (ERF) Activation and Operation	22
		EP-AA-114	Notifications	17
71124.08	Corrective Action Documents	AR 4461289	Issues with Vendor Transport for Emergent Rad Shipment	11/16/2021
		AR 4506966	Low Level Waste Parts not Shipped with Equipment	06/22/2022
		AR 4517151	Safety - Shipping Loading Area Outside Bldg 20 West	08/16/2022
		AR 4530043	Shepherd Calibrator Unsecured	10/17/2022
	Miscellaneous	10 CFR 61 Waste Stream Analysis	DAW	01/22/2022
		10 CFR 61 Waste Stream Analysis	Spent Resin	09/22/2022
		RP-AA-605, Attachment 4	Waste Stream Review and Scaling Factor Determining Report; ALPS Charcoal	02/03/2021
		RP-AA-800	Byproduct Active Source Inventory	05/23/2023
	Procedures	RP-AA-500-1003	10 CFR PART 37 MATERIAL ACCOUNTABILITY PROGRAM	5

		RP-AA-601	Surveying Radioactive Material Shipments	23
		RP-AA-602	Packaging of Radioactive Material Shipments	22
		RP-AA-603	Inspection and Loading of Radioactive Material Shipments	11
		RW-AA-100	Process Control Program for Radioactive Wastes	12
	Self-Assessments	AR 4553368	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	2023
	Shipping Records	LM-23-017	Shipping Papers; Laundry Shipment	02/10/2023
		LW-22-024	Shipping Paper; Spent Resin	06/15/2022
		LW-23-003	Shipping Papers; Dewatered Spent Resin	01/17/2023
		LW-23-005	Dewatered Spent Resin; LSA-II	08/08/2023
		LW-23-019	Shipping Papers; Dry Activated Waste (DAW)	01/30/2023
		LW-23-030	Shipping Papers; Spent Resin	07/19/2023
71151	Corrective Action Documents Resulting from Inspection	AR 4705411	MSPI Reporting Review By NRC	09/27/2023
	Miscellaneous	LS-AA-2090	Monthly Data Elements for NRC ROP Indicator - Reactor Coolant System (RCS) Specific Activity	various
		LS-AA-2140	Monthly Data Elements for NRC ROP Indicator - Occupational Exposure Control Effectiveness	various
		LS-AA-2150	Monthly Data Elements for NRC ROP Indicator - RETS/ODCM Radiological Effluent Occurrences	various
	Procedures		Reactor Oversight Program Mitigating System Performance Index Basis Document (High Pressure Core Spray, Residual Heat Removal and Emergency AC Power)	20
		EA-AA-6001047	Mitigating Systems Performance Index Basis Document	11
71152A	Corrective Action Documents	AR 4524567	Unit 2 Manually Scrammed Due to a Fire in the Isophase Bus Duct	09/26/2022
		AR 4527112	Engineering Trend in pDM Issues	10/05/2022
		AR 4558801	CAT ID#814606 Incorrect Compound (Thermal vs. Electrical)	03/02/2023
		Root Cause Report	Unit 2 Manually Scrammed Due to a Fire in the Isophase Bus Duct	04/21/2023

71152A	Procedures	MA-AA-716-230-1003	Thermography Program Guide	7
	Work Orders	WO 4987216	Thermal Anomalies Identified U2 Iso-Phase Bus (IR 04302051)	03/01/2021
71153	Engineering Changes	EC 393769	KM CUBICLE REPLACEMENT FOR UNIT 1 - ONLINE 2014	12/20/2019
	Miscellaneous	License Event Report (LER) 05000373/2022-003-02	Supplement to Main Control Room and Auxiliary Electric Room HVAC Declared Inoperable Due to Multiple Component Failures	12/28/2022
		Licensee Event Report 05000374/2022-003-02	Manual Scram due to Isophase Bus Duct Fire Followed by a 2A RPS Normal Power Supply Trip	06/16/2023
	Work Orders	WO 1687356	OVC02CA KLNCKNER MOELLER MCC 1AP78E-C6 CUBICLE REPLACEMENT	06/28/2016
		WO 5297341	EWP-EM Inspect BKR/CUB 1AP80E-B5	10/31/2022