



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**

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

April 20, 2022

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

SUBJECT: DRESDEN NUCLEAR POWER STATION, UNITS 2 AND 3 – INTEGRATED
INSPECTION REPORT 05000237/2022001 AND 05000249/2022001

Dear Mr. Rhoades:

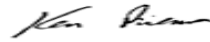
On March 31, 2022, the U.S. Nuclear Regulatory Commission (NRC) completed an inspection at Dresden Nuclear Power Station, Units 2 and 3. On April 5, 2022, the NRC inspectors discussed the results of this inspection with Ms. Carolyn Joseph, Plant Manager, and other members of your staff. The results of this inspection are documented in the enclosed report.

One finding of very low safety significance (Green) is documented in this report. This finding did not involve a violation of NRC requirements.

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 Dresden Nuclear Power Station, Units 2 and 3.

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 Riemer, Kenneth
on 04/20/22

Kenneth R. Riemer, Chief
Branch 1
Division of Reactor Projects

Docket Nos. 05000237 and 05000249
License Nos. DPR-19 and DPR-25

Enclosure:
As stated

cc w/ encl: Distribution via LISTSERV®

Letter to David Rhoades from Kenneth Riemer dated April 20, 2022.

SUBJECT: DRESDEN NUCLEAR POWER STATION, UNITS 2 AND 3 – INTEGRATED
INSPECTION REPORT 05000237/2022001 AND 05000249/2022001

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U.S. NUCLEAR REGULATORY COMMISSION
Inspection Report

Docket Numbers: 05000237 and 05000249

License Numbers: DPR-19 and DPR-25

Report Numbers: 05000237/2022001 and 05000249/2022001

Enterprise Identifier: I-2022-001-0062

Licensee: Constellation Energy Generation, LLC

Facility: Dresden Nuclear Power Station, Units 2 and 3

Location: Morris, IL

Inspection Dates: January 01, 2022 to March 31, 2022

Inspectors: A. Nguyen, Senior Resident Inspector
A. Demeter, Reactor Engineer
M. Domke, Reactor Inspector
G. Edwards, Senior Health Physicist
M. Garza, Emergency Preparedness Inspector
M. Porfirio, Illinois Emergency Management Agency

Approved By: Kenneth R. Riemer, Chief
Branch 1
Division of Reactor Projects

Enclosure

SUMMARY

The U.S. Nuclear Regulatory Commission (NRC) continued monitoring the licensee's performance by conducting an integrated inspection at Dresden Nuclear Power Station, Units 2 and 3, 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 Document a Condition Adverse to Quality for the Unit 3 Main Power Transformer Control Power Cabinet Fire			
Cornerstone	Significance	Cross-Cutting Aspect	Report Section
Initiating Events	Green FIN 05000237,05000249/2022001-01 Open/Closed	[H.11] - Challenge the Unknown	71152A
A finding of very low safety significance (Green) was self-revealed for the licensee's failure to follow PI-AA-120, Issue Identification and Screening Process, for documenting a condition adverse to quality. Specifically, the licensee failed to document an identified hot spot on a resistor within the Unit 3 main power transformer (MPT) during startup monitoring on November 3, 2021. This was a missed opportunity for the licensee to evaluate and mitigate the potential adverse impacts of the hot spot prior to a fire occurring in the control power cabinet of the MPT on November 18, 2021.			

Additional Tracking Items

None.

PLANT STATUS

Unit 2 began the inspection period at rated thermal power. On February 5, 2022, power was reduced to approximately 80 percent to a control rod shaper pull and make emergent repairs to the 2B reactor feed pump. The unit returned to rated thermal power on February 6, 2022. On March 5, 2022, power was reduced to approximately 75 percent to perform a control rod sequence exchange and bypass valve testing. The unit was returned to rated thermal power on March 6, 2022, and remained at or near full rated thermal power for the remainder of the inspection period.

Unit 3 began the inspection period at rated thermal power. On March 12, 2022, power was reduced to approximately 80 percent for a control rod sequence exchange, control rod drive testing, and to repair a main turbine control valve cable. The unit returned to rated thermal power on March 13, 2022, and remained at or near full 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," conducted routine reviews using IP 71152, "Problem Identification and Resolution," observed risk significant activities, and completed on-site portions of IPs. The inspectors reviewed selected procedures and records, observed activities, and interviewed personnel to assess licensee performance and compliance with Commission rules and regulations, license conditions, site procedures, and standards.

REACTOR SAFETY

71111.04 - Equipment Alignment

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

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

- (1) Unit 2 station blackout (SBO) diesel during Unit 3 SBO diesel work window on January 15, 2022
- (2) Unit 3 high pressure coolant injection (HPCI) alignment following maintenance window on March 2-3, 2022
- (3) Unit 2 HPCI alignment following maintenance window on March 8, 2022

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

- (1) The inspectors evaluated system configurations during a complete walkdown of the emergency diesel generator (EDG) systems during the weeks of March 14 and March 28, 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) Fire Zone 1.1.2.3 Unit 2 reactor building general area 545' on January 22, 2022
- (2) Fire Zone 8.2.6.C Unit 2/3 lube oil reservoir area elevation 534' on January 29, 2022
- (3) Fire Zone 1.1.2.3, Unit 2 HPCI pump room, elevation 476' on February 15, 2022
- (4) Fire Zone 1.1.2.5A, Unit 2 isolation condenser area, elevation 589' on February 15, 2022
- (5) Fire Zone 1.1.2.1, Unit 2 torus basement and torus catwalk, elevation 476' on February 22, 2022
- (6) Fire Zone 1.1.1.1, Unit 3 torus basement and torus catwalk, elevation 476' on February 22, 2022

71111.06 - Flood Protection Measures

Inspection Activities - Internal Flooding (IP Section 03.01) (1 Sample)

The inspectors evaluated internal flooding mitigation protections in the:

- (1) Containment cooling service water vault door leak rate following failure of as left leak rate test

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 the performance of load drop to 75 percent power to support control rod adjustments and reactor feedwater pump 2B breaker maintenance on February 5, 2022.

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

- (1) The inspectors observed and evaluated a crew performance evaluation scenario in the main control room simulator on February 10, 2022.

71111.12 - Maintenance Effectiveness

Maintenance Effectiveness (IP Section 03.01) (1 Sample)

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

- (1) EDG air start systems maintenance strategy due to moisture intrusion

71111.13 - Maintenance Risk Assessments and Emergent Work Control

Risk Assessment and Management Sample (IP Section 03.01) (6 Samples)

- (1) Emergent work to replace 2B RFP breaker due to 2B RFP ON light not illuminated during pump operation as documented in AR 04473265 on February 5, 2022
- (2) Elevated risk work to replace 2B RBCCW pump motor per WO 99226609, on February 14-15, 2022
- (3) Emergent, elevated risk work to replace the Unit 3 digital electrohydraulic control (DEHC) system pressure controller 'S' VCMI card per WO 5232279 on February 17, 2022
- (4) Elevated risk preventive maintenance window for Unit 3 HPCI on March 1 - 2, 2022
- (5) Elevated risk for Unit 2 EDG maintenance window and emergent work prior to the window on March 13-18, 2022
- (6) Emergent, elevated risk work to address Unit 3 turbine lube oil cooler service water drain line shear and flooding in turbine building on March 22, 2022

71111.15 - Operability Determinations and Functionality Assessments

Operability Determination or Functionality Assessment (IP Section 03.01) (2 Samples)

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

- (1) Historic operability of level transmitter (LT) 3-0302-82D when found outside Technical Specification value during surveillance testing
- (2) Unit 2 EDG fuel priming pump failure to start during post-maintenance testing

71111.19 - Post-Maintenance Testing

Post-Maintenance Test Sample (IP Section 03.01) (7 Samples)

- (1) Unit 2 SBO diesel generator breaker functional testing following troubleshooting and repair of high resistance on cables from Bus 23 to Bus 61 on February 11, 2022
- (2) Unit 2 functional and operational testing of the 2B reactor feedwater pump following replacement of 4KV breaker per WO 5225086 on January 22, 2022
- (3) 2B RBCCW pump testing following motor replacement per WO 99226609 on February 17, 2022
- (4) DOS 6600-01, 2/3 diesel generator surveillance test, following replacement of the jacket water pressure switch on February 28, 2022
- (5) DOS 2300-03, Unit 3 HPCI system operability and quarterly IST verification test on March 3, 2022
- (6) DOS 6600-01, Unit 2 diesel generator surveillance test, following preventive maintenance window on March 18, 2022
- (7) DOS 6600-01, Unit 2/3 diesel generator surveillance test, following preventative maintenance window on March 30, 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) (1 Sample)

- (1) DIS 0500-31, Unit 3 scram discharge volume level instrumentation calibration and functional tests, on March 10, 2022

Inservice Testing (IP Section 03.01) (1 Sample)

- (1) DOS 1100-04, standby liquid control system quarterly/comprehensive pump test for the inservice testing (IST) program on March 24, 2022

71114.02 - Alert and Notification System Testing

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

- (1) The inspectors evaluated the following maintenance and testing of the alert and notification system:
 - 2020 PNS System Maintenance Report
 - 2021 PNS System Maintenance Report

71114.03 - Emergency Response Organization Staffing and Augmentation System

Inspection Review (IP Section 02.01-02.02) (1 Sample)

- (1) The inspectors evaluated the readiness of the emergency preparedness organization

71114.05 - Maintenance of Emergency Preparedness

Inspection Review (IP Section 02.01 - 02.11) (1 Sample)

- (1) The inspectors evaluated the maintenance of the emergency preparedness program

71114.06 - Drill Evaluation

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

- (1) Dresden 1Q2022 focused area drill on March 10, 2022

RADIATION SAFETY

71124.03 - In-Plant Airborne Radioactivity Control and Mitigation

Permanent Ventilation Systems (IP Section 03.01) (1 Sample)

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

- (1) Unit 2/3 reactor building ventilation system

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

71124.04 - Occupational Dose Assessment

Source Term Characterization (IP Section 03.01) (1 Sample)

- (1) The inspectors evaluated licensee performance as it pertains to radioactive source term characterization

External Dosimetry (IP Section 03.02) (1 Sample)

- (1) The inspectors evaluated how the licensee processes, stores, and uses external dosimetry

Internal Dosimetry (IP Section 03.03) (1 Sample)

The inspectors evaluated the following internal dose assessments:

- (1) Whole Body Count inVivo analysis performed on January 28, 2022

Special Dosimetric Situations (IP Section 03.04) (1 Sample)

The inspectors evaluated the following special dosimetric situations:

- (1) Declared pregnant worker documentation from January 12, 2021

OTHER ACTIVITIES – BASELINE

71151 - Performance Indicator Verification

The inspectors verified licensee performance indicators submittals listed below:

IE01: Unplanned Scrams per 7000 Critical Hours Sample (IP Section 02.01) (2 Samples)

- (1) Unit 2 (January 1, 2021 through December 31, 2021)
- (2) Unit 3 (January 1, 2021 through December 31, 2021)

IE03: Unplanned Power Changes per 7000 Critical Hours Sample (IP Section 02.02) (2 Samples)

- (1) Unit 2 (January 1, 2021 through December 31, 2021)
- (2) Unit 3 (January 1, 2021 through December 31, 2021)

IE04: Unplanned Scrams with Complications (USwC) Sample (IP Section 02.03) (2 Samples)

- (1) Unit 2 (January 1, 2021 through December 31, 2021)
- (2) Unit 3 (January 1, 2021 through December 31, 2021)

EP01: Drill/Exercise Performance (DEP) Sample (IP Section 02.12) (1 Sample)

- (1) April 1, 2021 through December 31, 2021

EP02: Emergency Response Organization (ERO) Drill Participation (IP Section 02.13) (1 Sample)

- (1) April 1, 2021 through December 31, 2021

EP03: Alert and Notification System (ANS) Reliability Sample (IP Section 02.14) (1 Sample)

- (1) April 1, 2021 through December 31, 2021

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) Evaluation of and corrective actions associated with the second Unit 3 main power transformer fire inside the control power cabinet under AR 4461720
- (2) Corrective actions associated with design control NCV of LPCI LOOP select differential pressure switches water intrusion under AR 4446558

INSPECTION RESULTS

Failure to Document a Condition Adverse to Quality for the Unit 3 Main Power Transformer Control Power Cabinet Fire			
Cornerstone	Significance	Cross-Cutting Aspect	Report Section
Initiating Events	Green FIN 05000237,05000249/2022001-01 Open/Closed	[H.11] - Challenge the Unknown	71152A
A finding of very low safety significance (Green) was self-revealed for the licensee's failure to follow PI-AA-120, Issue Identification and Screening Process, for documenting a condition adverse to quality. Specifically, the licensee failed to document an identified hot spot on a resistor within the Unit 3 main power transformer (MPT) during startup monitoring on November 3, 2021. This was a missed opportunity for the licensee to evaluate and mitigate the potential adverse impacts of the hot spot prior to a fire occurring in the control power cabinet of the MPT on November 18, 2021.			
<u>Description:</u> On November 18, 2021, the Unit 3 main control room received multiple alarms associated with the MPT. Shortly thereafter, a small fire was reported in the control power cabinet of the MPT. The fire was extinguished immediately, and the operators entered the applicable abnormal operating procedures. The unit was emergently down powered to take the turbine offline and affect repairs to the transformer.			

Technicians inspected the control power cabinet and found damage to several components within the cabinet. A troubleshooting team was established to further inspect the transformer to identify the cause of the fire. The cause of the fire was determined to be overheating of adjustable resistor CBA2 due to a heating element that was in parallel with the resistor being open circuited, causing all current to flow through CBA2 (overloaded). These components are part of one of the winding hot spot temperature circuits. A temporary modification was installed to remove this part of the circuit from service and adjust settings on the associated winding temperature gauge to compensate for this missing element of the circuit.

The licensee conducted a causal evaluation for the equipment failure under AR 4461720. During this evaluation, it was revealed that thermography was performed as part of the startup monitoring of the new transformer after installation on November 3, 2021. The thermography documentation recorded a temperature for the failed resistor that was higher than normal. After conversations with the thermographer, it was determined that the individual was unsure of the result obtained, asked the supervisor and peers about the data, and decided that the temperature reading was not abnormal; therefore, the issue was not entered into the CAP. The licensee conducted a Human Performance Review Board for this issue under AR 4470594 and concluded that not appropriately documenting and evaluating this thermography data was a missed opportunity to mitigate the potential adverse impacts of the hot spot and possibly prevent the fire. Specifically, Exelon procedure, PI-AA-120, Issue Identification and Screening Process, section 3.7 delineates the responsibilities of issue originators, which includes ensuring conditions that have or could have an undesirable effect on performance of equipment are properly documented. This procedure also defines a condition adverse to quality as any failures, malfunctions, deficiencies, defective items, and non-conformances.

Corrective Actions: The individual and supervisor were provided coaching on entering items into the corrective action program and the thermography procedure guidance was enhanced for what are acceptable temperature values for different components.

Corrective Action References: AR 4461720, Transformer 3 Trouble, and AR 4470594, Missed Opportunity for Thermography Data Analysis

Performance Assessment:

Performance Deficiency: The failure to document the identified hot spot, a condition adverse to quality, during thermography of the Unit 3 MPT during startup monitoring was contrary to licensee procedure, PI-AA-120, Issue Identification and Screening Process.

Screening: The inspectors determined the performance deficiency was more than minor because it was associated with the Equipment 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, the licensee failed to document a condition adverse to quality, a hot spot on a resistor identified during thermography, which adversely impacted operation of the Unit 3 MPT, resulting in a fire.

Significance: The inspectors assessed the significance of the finding using Appendix A, "The Significance Determination Process (SDP) for Findings At-Power." The finding screened as having very low safety significance (Green) based on answering "No" to the transient initiator question because it did not cause a reactor scram and/or the loss of mitigation equipment.

Cross-Cutting Aspect: H.11 - Challenge the Unknown: Individuals stop when faced with uncertain conditions. Risks are evaluated and managed before proceeding. Specifically, in this finding individuals were aware of an unanticipated or abnormal result (i.e. higher than normal temperature reading for the resistor), but did not effectively evaluate or resolve the issue, resulting in a missed opportunity to potentially mitigate or eliminate the cause of the control power cabinet fire due to overheating of the circuit.

Enforcement:

Inspectors did not identify a violation of regulatory requirements associated with this finding.

EXIT MEETINGS AND DEBRIEFS

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

- On April 5, 2022, the inspectors presented the integrated inspection results to Ms. C. Joseph, Plant Manager, and other members of the licensee staff.
- On February 11, 2022, the inspectors presented the radiation protection inspection results to Mr. P. Boyle, Site Vice President, and other members of the licensee staff.
- On March 18, 2022, the inspectors presented the EP program inspection results to Ms. C. Joseph, Plant Manager, and other members of the licensee staff.

DOCUMENTS REVIEWED

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
71111.04	Procedures	DOP 2300-M1/E1	Unit 3 HPCI System Checklist	41
		DOP 2300-M1/E1	Unit 2 HPCI System Checklist	40
		DOP 6600-04	Diesel Generator 2/3 Preparation for Standby Operation	32
		DOP 6600-M2	Unit 2/3 Emergency Diesel Generator Mechanical Checklist	29
		DOP 6606-E2	Unit 2/3 Standby Diesel Generator Electrical Checklist	6
		DOP 6620-E1	Unit 2 Station Blackout Electrical Checklist	03
		DOP 6620-M1	Unit 2 Station Blackout Mechanical Checklist	10
71111.05	Corrective Action Documents	4477688	XL3 34-19, Unit 2 HPCI Room Fire Alarm	02/12/2022
	Corrective Action Documents Resulting from Inspection	4480022	NRC ID: Evidence of Thru Wall Leak on Fire Protection Piping for Unit 3	02/22/2022
		4480027	NRC ID: Free Insulation Torus Bay 6 under Unit 2 HPCI Discharge Line	02/22/2022
	Fire Plans	101 U2RB-1	Fire Zone 1.1.2.1, Unit 2 Torus Basement and Torus Catwalk, Elev. 476'	04
		104 U2RB-4	Fire Zone 1.1.2.3, Unit 2 HPCI Pump Room, Elev. 476'	06
		108 U2RB-7	Fire Area/Zone 1.1.2.3 Unit 2 Reactor Building General Area 545'	05
		115 U2RB-12	Fire Zone 1.1.2.5.A, Unit 2 Isolation Condenser Area, Elev. 589'	02
		116 U3RB-19	Fire Zone 1.1.1.1, Unit 3 Torus Basement and Torus Catwalk, Elev. 476'	05
		177 U2/3TB-94	Fire Area/Zone 8.2.6.C Unit 2/3 Lube Oil Reservoir Area Elev. 534'	03
	Procedures	OP-AA-201-008	Pre-Fire Plan Manual	04
71111.06	Miscellaneous	DR-PSA-012	Internal Flood Evaluation Summary and Notebook	04
	Procedures	DOA 0040-02	Localized Flooding in Plant	29
		DOS 1500-21	CCSW Pump Vault Watertight Door Leak Test	1
		DTP 70	Evaluation of CCSW Pump Vault Flood Protection Leakage Test Result	02
	Work Orders	04761794-01	EWP MM D3 4Y Com Adjust CCSW Vault Door/Repl Seal & Packing	03/23/2022

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
		04761794-02	Op Perform as Left Leak Test Per DOS 1500-21	03/24/2022
71111.11Q	Procedures	OP-AA-101-111	Roles and Responsibilities of On-Shift Personnel	13
		OP-AA-103-102	Watch Standing Practices	20
		OP-AA-104-101	Communications	5
		TQ-AA-150	Operator Training Programs	21
		TQ-AA-155	Conduct of Simulator Training and Evaluation	12
71111.12	Corrective Action Documents	4454158	U3 EDG Failure to Start	10/20/2021
		4475764	Fleet EDG Starting Air PCM Template	02/02/2022
	Miscellaneous		(A)(1) Maintenance Rule Functional Failure Determination for U3 EDG	11/24/2021
	Procedures	ER-AA-310	Implementation of the Maintenance Rule	12
	Work Orders	05198802	EWP MM EOC Replace Air Start Motors for 2/3 EDG	03/28/2022
71111.13	Corrective Action Documents	4389199	2A RFP Indicating Light Out	12/09/2020
		4465153	2B RFP ON Light Not Illuminated During Pump Operation	02/01/2022
		4473265	2B RFP ON Light Not Illuminated During Pump Operation	01/21/2022
		4484453	Unit 2 EDG Circulating Oil and Turbo Pump Breaker Tripped at MCC 28-3	03/12/2022
		4484516	Unit 2 EDG Immersion Heater Breaker Trip	03/13/2022
		4485615	Unit 3 EDG Air Receiver Tank A1 Outboard Drain Valve is Leaking	03/17/2022
		4486517	Unit 3 Service Water Leak	03/22/2022
		4486783	Extent of Condition of 3B Cooler Drain Line	03/23/2022
	Corrective Action Documents Resulting from Inspection	4485610	Unit 3 EDG Air Receiver Tank A2 Outboard Drain Valve is Leaking	03/17/2022
	Engineering Evaluations	634756	Rigging Evaluation for Removal and Replacement of 2B RBCCW Pump Motor, 2-3701-B	00
	Procedures	OP-AA-108-117	Protected Equipment List	07
	Work Orders	5232279	Replace Pressure Control Master Bus Controller VCMI in 903-31 Panel	02/17/2022
		99226609	Replace 2B RBCCW Pump Motor, 2-3701-B	02/15/2022
71111.15	Corrective Action	04483846	LT 3-0302-82B Found OOT	03/10/2022

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
	Documents	04485609	Trend IR: OOT for DIS 0500-31	03/17/2022
		4481363	Engineering to Evaluate Iso Condenser Batteries	02/28/2022
		4483846	LT 3-0302-82D found Out of Tolerance during Surveillance	03/10/2022
		4485332	Unit 2 EDG Fuel Priming Pump Will Not Start	03/16/2022
	Engineering Evaluations	360279	Evaluate EDG Startup without Fuel Oil Priming Pump	00
	Operability Evaluations	OPDC 04483846-02	Evaluate LS 3-0302-82D for Historic Operability	03/25/2022
	Procedures	DIS 0500-31	Unit 3 Scram Discharge Volume Level Instrumentation Calibration and Functional Tests	15
71111.19	Corrective Action Documents	4476857	Bus 23 from SBO Bus 61 Trip Circuit is Not Working	02/08/2022
		4481065	2/3 EDG Trip during DOS 6600-01, Entered DOA 6600-01	02/27/2022
		4481877	Unit 3 HPCI Tank Oil Heater T3 Phase Grounded	03/01/2022
		4485082	Unit 2 EDG Cooling Water Immersion Heater Damaged Leads	03/15/2022
		4485216	Unit 2 EDG Cooling Water Immersion Heater Grounded	03/15/2022
		4485836	Unit 2 Diesel Fuel Oil Pump Discharge Pressure Low during Surveillance	03/18/2022
		4486463	Unit 2 EDG Crankcase Oil Level Low	03/22/2022
	Engineering Changes	453984	Engineering Evaluation for Repair/Replacing Cable Leads	03/15/2022
	Procedures	DOS 2300-03	Unit 3 High Pressure Coolant Injection System Operability and Quarterly IST Verification Test	118
		DOS 6600-01	Diesel Generator Surveillance Tests	146
	Work Orders	4897803	Unit 2 EDG Fuel Priming Pump Troubleshooting	03/17/2022
		5207263	Unit 2 Diesel Generator Fast Start Operability Surveillance Test	03/18/2022
		5225086	2B RFP ON Light Not Illuminated During Pump Operation Contingency Plan	01/22/2022
		5230117	Bus 23 from SBO Bus 61 Trip Circuit is Not Working	02/11/2022
		5234795	Troubleshoot and Repair 2/36641-525 for 2/3 EDG Trip during DOS 6600-01	02/28/2022
		99226609	Replace 2B RBCCW Pump Motor, 2-3701-B	02/17/2022

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
71111.22	Corrective Action Documents	4483846	LT 3-0302-82D found Out of Tolerance	03/10/2022
		4483851	LT 3-0302-82B found Out of Tolerance	03/10/2022
		4484035	LT 3-0302-82H found Out of Tolerance	03/10/2022
		4484083	LT 3-0302-82J found Out of Tolerance	03/10/2022
		4484086	LT 3-0302-82K found Out of Tolerance	03/10/2022
		4485609	Trend IR: Out of Tolerances for DIS 0500-31	03/17/2022
	Procedures	DIS 0500-31	Unit 3 Scram Discharge Volume Level Instrumentation Calibration and Functional Tests	15
		DOS 1100-04	Standby Liquid Control System Quarterly/Comprehensive Pump Test for the Inservice Testing (IST) Program	53
	Work Orders	4961801	Unit 3 Scram Discharge Volume High Level Channel Calibration	03/10/2022
71114.02	Corrective Action Documents	4327342	EP Technical Support Center Inventory Issues 1Q2020	03/17/2020
		4327344	Operations Support Center Inventory 1Q2020 Inventory Items	03/17/2020
		4343994	EP Siren Failure (BD04)	06/19/2020
		4345693	EP Siren Failure (BD16)	06/26/2020
		4360601	EP Siren Failure D02	09/02/2020
		4362267	EP Siren Failure (BD18)	08/10/2020
		4363005	Siren AC Power Outages	09/13/2020
		4433570	EP Siren Failure (BD18)	07/06/2021
		4438721	Grundy County Siren Controller Error	08/03/2021
		4438754	Inadvertent Siren Activation for Will County Sirens	08/03/2021
		4463617	EP Siren Failure (DR22)	11/29/2021
		4475265	EP-Multiple Siren Activation During Siren Test	02/01/2022
	Miscellaneous		PNS System Maintenance Report	2020 and 2021
71114.03	Miscellaneous		Emergency Response Organization (ERO) Augmentation Drill Reports	2020 - 2021
71114.05	Corrective Action Documents	4324146	NOSA-DRE-20-03 Dresden Station Emergency Preparedness Audit	05/19/2020
		4325253	Exelon Phone System Not Working Correctly	03/10/2020
		4327348	Field Team Inventory 1Q2020 Items	03/17/2020

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
		4337583	NOS ID: Revise PMRQ 174726-01 Annual Speaker Surveillance	04/22/2020
		4337665	NOS ID: Address the Request of CC FPD	04/22/2020
		4337667	NOS ID: Contact Morris Hospital to Ensure Alignment	04/22/2020
		4375330	Objective Failure D.1 During Full PI Drill	10/08/2020
		4396529	Unit 3 570' Reactor Chemistry Sample Panel Leak	01/18/2021
		4437797	Failed DCs and Sat w/Comments for 2021 NRC Graded Scenario	07/29/2021
		4453508	Security – Emergency Response to Site in PA	10/17/2021
		4453866	4.0 Critique – TR3 Failure and 63 SCRAM	10/19/2021
		4454026	MCR EONS Transmittal Issue	10/19/2021
		4454286	EP Critique/ Lessons Learned from Unusual Event Declaration	10/20/2021
		4468795	4Q2021 Dresden CR/SIM/TSC/OSC Equipment Issues	12/29/2021
	Miscellaneous	EP-AA-1004	Radiological Emergency Plan Annex for Dresden Station	39
		EP-AA-1004 Addendum 3	Emergency Action Levels for Dresden Station	13
		EP-DR-1000	Dresden Station Radiological Emergency Plan	0
71124.03	Corrective Action Documents	AR 04412362	RP Training: New SCBA Equipment Implement Beginning 2022	03/29/2021
		AR 04453786	Suspected H2 Leak Causing CO Monitors to Alarm	11/17/2021
	Procedures	RP-AA-444	Controlled Negative Pressure (CNP) Fit Testing	12
		RP-AA-825-101	Monthly Inspection and Maintenance of MSA Firehawk Mask Mounted Regulator SCBAs	3
		RP-DR-832	Operation of the Mako Air Compressor and The Mako Stationary Containment Fill Station (SCFS)	3
71124.04	Corrective Action Documents	AR 04474916	Investigation Whole Body Count Performed	01/28/2022
	Corrective Action Documents Resulting from Inspection	AR 04477349	NRC ID: DPW Documentation	02/12/2022
	Procedures	RP-AA-270	Prenatal Radiation Exposure	9
	Radiation		Whole Body Count InVivo Analysis	01/28/2022

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
	Surveys	RP-AA-270; Attachments 3-5	Declaration of Pregnancy Forms	01/21/2021
71151	Miscellaneous		NRC Performance Indicator Data: Initiating Events – Unplanned Power Changes per 7000 Critical Hours	01/01/2021 - 12/31/2021
			NRC Performance Indicator Data: Initiating Events – Unit/Reactor Shutdown Occurrences	01/01/2021 - 12/31/2021
	Procedures	LS-AA-2010	Monthly Data Elements for NRC/WANO Unit/Reactor Shutdown Occurrences	6
		LS-AA-2030	Monthly Data Elements for NRC Unplanned Power Changes per 7000 Critical Hours	6
71152A	Corrective Action Documents	4461720	Transformer 3 Trouble	11/18/2021
		4470594	Missed Opportunity for Thermography Data Analysis	01/07/2022
		4471962	2B West LPCI Room Cooler Leaking	01/14/2022
	Corrective Action Documents Resulting from Inspection	4446558	Receipt of NRC 2Q2021 Inspection Report	11/18/2021
	Procedures	PI-AA-120	Issue Identification and Screening Process	11