



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION III
2056 WESTINGS AVENUE, SUITE 400
NAPERVILLE, IL 60563-2657

February 10, 2025

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 05000237/2024004 AND 05000249/2024004

Dear David Rhoades:

On March 31, 2025, the U.S. Nuclear Regulatory Commission (NRC) completed an inspection at Dresden Nuclear Power Station, Units 2 and 3. On January 21, 2025, the NRC inspectors discussed the results of this inspection with H. Patel, Plant Manager, and other members of your staff. The results of this inspection are documented in the enclosed report.

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

This letter, its enclosure, and your response (if any) will be made available for public inspection and copying at <http://www.nrc.gov/reading-rm/adams.html> and at the NRC Public Document Room in accordance with Title 10 of the *Code of Federal Regulations* 2.390, "Public Inspections, Exemptions, Requests for Withholding."

Sincerely,

A handwritten signature in dark ink, appearing to read "Ruiz", with a stylized flourish at the end.

Signed by Ruiz, Robert
on 02/10/25

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

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

Enclosure:
As stated

cc: Distribution via LISTSERV®

Letter to David Rhoades from Robert Ruiz dated February 10, 2025.

SUBJECT: DRESDEN NUCLEAR POWER STATION, UNITS 2 AND 3 – INTEGRATED
INSPECTION REPORT 05000237/2024004 AND 05000249/2024004

DISTRIBUTION:

Alejandro Alen Arias
RidsNrrDorlLpl3
RidsNrrPMDresden Resource
RidsNrrDrolrib Resource
Jack Giessner
Mohammed Shuaibi
Diana Betancourt-Roldan
Harral Logaras
David Curtis
Jared Heck
R3-DORS

ADAMS ACCESSION NUMBER: ML25041A150

<input checked="" type="checkbox"/> SUNSI Review		<input checked="" type="checkbox"/> Non-Sensitive <input type="checkbox"/> Sensitive		<input checked="" type="checkbox"/> Publicly Available <input type="checkbox"/> Non-Publicly Available	
OFFICE	RIII	RIII			
NAME	NShah:gmp	RRuiz			
DATE	02/10/2025	02/10/2025			

OFFICIAL RECORD COPY

U.S. NUCLEAR REGULATORY COMMISSION
Inspection Report

Docket Numbers: 05000237 and 05000249

License Numbers: DPR-19 and DPR-25

Report Numbers: 05000237/2024004 and 05000249/2024004

Enterprise Identifier: I-2024-004-0058

Licensee: Constellation Energy Generation, LLC

Facility: Dresden Nuclear Power Station, Units 2 and 3

Location: Morris, IL

Inspection Dates: October 01, 2024 to December 31, 2024

Inspectors: J. Cassidy, Senior Health Physicist
Z. Coffman, Resident Inspector
J. Kulp, Senior Reactor Inspector
J. Kutlesa, Senior Emergency Preparedness Inspector
M. Porfirio, Illinois Emergency Management Agency
C. St. Peters, Resident Inspector
J. Steffes, Senior Resident Inspector

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 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

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

Additional Tracking Items

None.

PLANT STATUS

Unit 2 began the inspection period at rated thermal power. On December 4, 2024, reactor power was lowered to 59 percent to perform a rod pattern adjustment and control rod recovery following maintenance. The unit was returned to full power on December 5, 2024, and remained at or near full power for the remainder of the inspection period.

Unit 3 began the inspection period in coast down to prepare for refueling outage D3R28. On October 1, 2024, reactor power was lowered to approximately 26 percent to troubleshoot and repair condenser in-leakage. Condenser in-leakage was addressed, and the unit was returned to full power on October 5, 2024. On October 28, 2024, the unit was shut down to commence D3R28. The unit was synchronized to the grid on November 15, 2024, and full power was achieved on November 18, 2024. On November 23, 2024, reactor power was lowered to approximately 68 percent to perform rod pattern adjustment. The unit was returned to full power the next day and remained at or near full 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 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

71111.04 - Equipment Alignment

Partial Walkdown Sample (IP Section 03.01) (1 Sample)

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

- (1) Unit 3 fuel pool cooling on October 29 – November 22, 2024

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

- (1) The inspectors evaluated system configurations during a complete walkdown of the low pressure coolant injection (LPCI) system on October 16 – November 22, 2024

71111.05 - Fire Protection

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

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

- (1) Fire zone (FZ) 8.2.5 D Unit 3 low pressure heater bay elev. 517' on October 29, 2024
- (2) FZ 8.2.5E Unit 3 high pressure heaters/steam line elev. 517' on November 1, 2024
- (3) FZ 1.2.1 Unit 3 drywell primary containment elev. 517' on November 3, 2024
- (4) Unit 2 station blackout diesel generator on December 17, 2024

71111.08 G - Inservice Inspection Activities (BWR)

BWR Inservice Inspection Activities Sample–Nondestructive Examination and Welding Activities (IP Section 03.01) (1 Sample)

The inspectors evaluated boiling water reactor nondestructive testing by reviewing the following examinations from October 28–November 1, 2024

- (1)
 1. Ultrasonic Examination (UT) of 'A' Reactor Recirculation Pump Discharge Pipe to Tee Weld 3/1/0201 A-28/RRA-47F
 2. UT of Reactor Vessel Head Vent Line Pipe to Flange Dissimilar Metal Weld 3/1/0215-4/4-1
 3. UT of N-12-2 Nozzle to Shell Weld 3/1/RPV LWR HD/N12-2
 4. Visual Examination (VT-1) of Core Spray Sparger Bracket Weld CSS 1-2 SB 045

71111.11Q - Licensed Operator Requalification Program and Licensed Operator Performance

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

- (1) The inspectors observed and evaluated licensed operator performance in the control room during shutdown on October 28, 2024, for refueling outage D3R28

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

- (1) The inspectors observed and evaluated licensed crew performance in the main control room simulator during just in time training prior to D3R28 refueling outage, on October 3, 2024

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) Fire protection system
- (2) High pressure injection system
- (3) Instrument air
- (4) Unit 2 offgas system erratic operation as documented in action report (AR) 4799921

Quality Control (IP Section 03.02) (1 Sample)

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

- (1) Containment cooling service water system (CCSW)

71111.15 - Operability Determinations and Functionality Assessments

Operability Determination or Functionality Assessment (IP Section 03.01) (3 Samples)

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

- (1) Unit 3 emergency diesel generator 3-6641-181Y1 timer relay issue, as documented in AR 4769615 and AR 4771354
- (2) Unit 3 motor operated valve (MOV) 3-1501-13 A motor failed to re-engage with actuator for pre-outage MOV diagnostic testing, as documented in AR 4811673
- (3) Unit 3 undervoltage relay failed during surveillance test as documented in AR 4813364

71111.18 - Plant Modifications

Temporary Modifications and/or Permanent Modifications (IP Section 03.01 and/or 03.02) (3 Samples)

The inspectors evaluated the following temporary or permanent modifications:

- (1) Unit 3 feedwater regulating valve control systems
- (2) NRC staff review of hypothetical rupture and subsequent release of natural gas of the Three Rivers Lateral pipeline lateral to Dresden Power Station Unit 2 and 3. The inspectors performed onsite verification of the installation of the pipeline on July 26, 2024, to complete the modification sample begun in the 2024 first quarter report ML24121A249. The inspector noted the pipeline proximity to the meteorological tower to be closer than initially designed and the connection manifold to be above ground and exposed to an open-air environment. The NRC staff reevaluated the noted differences in "Assessment of Potential Hazards from the Three Rivers Pipeline to the Dresden Power Station Units 2 and 3 - Reduced

- Distance to the Meteorological Tower and Presence of the Pipeline Manifold,”
ML25027A415 and did not identify any safety or regulatory concerns.
- (3) EC629911, Update Piping Spec to Expand Use of Lokring, Revision 0

71111.20 - Refueling and Other Outage Activities

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

- (1) The inspectors evaluated refueling outage D3R28 activities from October 28 to November 15, 2024

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) (12 Samples)

- (1) 2/3 B control room heating, ventilation and air conditioning (HVAC) post maintenance testing following planned work window, on September 25, 2024
- (2) Unit 2 high pressure coolant injection (HPCI) post maintenance testing following replacement of Servo card, per WO 5552589
- (3) Unit 3 2D main steam isolation valve (MSIV) as-left local leak rate test (LLRT) following maintenance, per WO 1704798
- (4) U3 CCSW run following pipe welding and planned maintenance on November 12, 2024
- (5) Unit 3 control rod scram time testing following routine maintenance during refueling outage, per WO 5432497
- (6) Unit 3 fuel pool radiation monitor channel B calibration and functional test following maintenance, on November 26, 2024
- (7) Hydrostatic testing on November 10, 2024
- (8) Unit 2 reactor protection system channel A testing following fuse replacement, on November 22, 2024
- (9) Unit 2 CCSW test following “A” heat exchanger discharge valve maintenance per WO 5550335
- (10) Unit 3 west LPCI/core spray corner room sump pump system test following discharge check valve maintenance per WO 5042133
- (11) Unit 3 2B MSIV post maintenance testing following maintenance, per WO 5128802
- (12) 3A main steam line target rock relief valve testing following maintenance per WO 5432493

Surveillance Testing (IP Section 03.01) (2 Samples)

- (1) Unit 3 Division I Undervoltage test per DOS 6600-03, on October 29–31, 2024
- (2) Unit 2 HPCI surveillance per DOS 2300-03, on December 11, 2024

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

- (1) As-found LLRT of valve 3-0299-99 A & 116 A, 0299-100 A & 117 A, 0299-98 A & 117 A, and 0299-97 A & 116 A, reactor vessel water level instrumentation system (RVWLIS) backfill, on October 31, 2024

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

- (1) Ultimate heat sink FLEX pump 2 performance test in accordance with WO 5421033-01

71114.04 - Emergency Action Level and Emergency Plan Changes

Inspection Review (IP Section 02.01-02.03) (1 Sample)

- (1) The inspectors evaluated the following submitted Emergency Action Level and Emergency Plan changes.
 - EP-AA-1004, Constellation Radiological emergency Plan Annex for Dresden Station, Rev 40
 - EP-AA-1004 Addendum 1, Dresden Station On-Shift Staffing Technical basis, Rev 3
 - EP-AA-1004 Addendum 2, Dresden Evacuation Time Estimates, Rev 2
 - EP-AA-120-1001, Re-Link DRE Emergency Plan to the Fleet and Revise Plan to Reflect IPAWS Implementation, Evaluation No. 23-26

This evaluation does not constitute NRC approval.

71114.06 - Drill Evaluation

Additional Drill and/or Training Evolution (1 Sample)

The inspectors evaluated:

- (1) Dresden technical support center qualification drill on December 10, 2024

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 radiologically controlled area at Main Control Point 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) D3R28 - Torus dive activities
- (2) D3R28 - Rx flange repairs
- (3) D3R28 - Control rod drive (CRD) activities
- (4) D3R28 - Cavity decontamination

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 and very high radiation areas (VHRAs):

- (1) Unit 3 torus sludge filters
- (2) Unit 3 torus
- (3) Unit 2 steam tunnel X-O area

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

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

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

OTHER ACTIVITIES—BASELINE

71151 - Performance Indicator Verification

The inspectors verified licensee performance indicators submittals listed below:

MS05: Safety System Functional Failures Sample (IP Section 02.04) (2 Samples)

- (1) Unit 2 (October 1, 2023 through September 30, 2024)
- (2) Unit 3 (October 1, 2023 through September 30, 2024)

MS08: Heat Removal Systems (IP Section 02.07) (2 Samples)

- (1) Unit 2 (July 1, 2023 through June 30, 2024)
- (2) Unit 3 (July 1, 2023 through June 30, 2024)

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

- (1) Unit 2 (July 1, 2023 through June 30, 2024)
- (2) Unit 3 (July 1, 2023 through June 30, 2024)

MS10: Cooling Water Support Systems (IP Section 02.09) (2 Samples)

- (1) Unit 2 (July 1, 2023 through June 30, 2024)
- (2) Unit 3 (July 1, 2023 through June 30, 2024)

71152 A - 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) Evaluation and corrective actions for deficiencies in FLEX inventory discovered in yearly audit, as documented in AR 4778175

71152 S - Semiannual Trend Problem Identification and Resolution

Semiannual Trend Review (Section 03.02) (1 Sample)

- (1) The inspectors reviewed the licensee's corrective action program to identify potential trends in human performance that might be indicative of a more significant safety issue.

INSPECTION RESULTS

Observation: FLEX Annual Inventory Discrepancies	71152 A
<p>The inspectors performed a review of FLEX equipment and implementing procedures based on issues noted during annual inventory review as documented on June 2, 2024, in AR 4778175, "Annual FLEX Inventory (DOS 0010-43) Discrepancies." The purpose for the inventory/inspection is to ensure availability of the Operations FLEX equipment required in the event of a FLEX scenario. The inspectors noted that similar issues had been discovered during the last two performances of the annual FLEX inventory procedure. The inspectors noted that 5-inch diameter hoses were found missing in the last two prior inventories. Specifically, during the annual inventory in 2023, 4 of the required 21 hoses in FLEX building "B" were missing and during the annual inventory in 2024, 6 of the required 21 hoses were missing.</p> <p>The inspectors reviewed the annual FLEX inventory procedure and noted that the inventory of hoses in FLEX building "B" were associated with FLEX support guidelines (FSG) procedure 9, "Ultimate Heat Sink Supply to FLEX/SAWA (Severe Accident Water Addition) Manifold." In general, FSGs are guidelines to provide a flexible and diverse means of coping with plant problems when normal procedures have failed or are insufficient to mitigate the problems. The purpose of FSG-09 procedure is to provide guidance to supply FLEX/SAWA manifold during ultimate heat sink pump operation.</p>	

The inspectors concluded that two questions remained associated with the licensee's ability to implement the FLEX support guidelines.

1. With the missing hoses in both annual inventories being the same, were corrective actions implemented in a timely manner; and
2. Does the missing FLEX equipment adversely impact any of the FLEX strategies?

The inspectors reviewed AR 4696206, "Annual FLEX Inventory Discrepancies," as documented on August 13, 2023, and noted that corrective action assignment 2 was created to direct the operations department to correct the FLEX inventory deficiencies. The inspectors determined that the missing hose corrective action was tasked to WO 4698269, "D2/3 10Y[Year] FLEX Hose Replacement." The work order was to be completed August 24, 2024, a full year after the hose discrepant condition was discovered. The inspectors questioned the licensee on the timely assignment of corrective actions associated with hose replacement to ensure FLEX guideline implementation since the same discrepant condition occurred during the next annual inventory on June 2, 2024. At the time of inspection, the licensee had created a task to correct the FLEX inventory deficiencies by February 12, 2025.

The inspectors reviewed calculation DRE17-0008, "HCVS Phase 2 SAWA/SAWM Hydraulic Analysis," Revision 0, to determine the most limiting scenario that would require the use of 5-inch hoses. The inspectors determined that 5000 feet of hose would be required to implement the FLEX strategies. Furthermore, the inspectors reviewed procedure FSG-4, "Aligning FLEX Pumps for Operation," Revision 3, and FSG-9, "Ultimate Heat Sink Supply to FLEX/SAWA Manifold," Revision 3, to ensure the FLEX implement strategies could be implemented with the available hose as determined during the annual inventory. The inspectors determined that available hose inventory would have allowed the licensee to implement the FLEX procedures and did not adversely affect the FLEX strategies.

Observation: Human Performance Trend Review	71152 S
---	---------

The inspectors performed a semiannual review of issues entered into the corrective action program and a cognitive review of plant observations over the period of July 1, 2024, to December 31, 2024, to identify any potential trends that might indicate the existence of a more significant safety issue. In the second half of 2024, the NRC inspectors identified several potential examples of issues with human performance.

On November 5, 2024, the site issued an AR 4815214, "Significant Cross-Cutting Aspect Trend." The cross-cutting aspect (CCA) with the trend was in the human performance area of avoiding complacency. This AR was generated due to the site receiving four or more findings in the specific CCA in a rolling four quarter timeframe. The site identified four non-cited violations (NCVs), two in the second quarter of 2024 and two in the third quarter of 2024. Corrective actions were generated for each of the NCVs, as well as for the aforementioned AR to include reviewing and analyzing the trend, and to complete an organization effectiveness checklist per site procedure. The residents had briefed out each NCV in quarterly exit meetings and communicated with the site the reasoning for the assigned cross-cutting aspect. No additional violations or findings have been identified in this specific area for the fourth quarter 2024.

In addition, the inspectors noted two ARs generated for improperly stored transient combustibles, AR 4816292 and AR 4821303. These ARs were generated following the inspectors bringing the observations to the site and were not identified by site personnel. The site had implemented a fire protection "blitz" in June 2024 following a noticeable trend in fire protection program implementation issues, which the NRC also documented in the second

quarter 2024 report. The inspectors determined that these two specific ARs represented a continued human performance issue with challenging the unknown as the two items documented in the referenced ARs included items being stored on an equipment locker with a floor marking noting the area should not store transient combustibles, and the other documenting combustibles being stored behind a motor control center (MCC) in an area that was frequently passed by licensee staff. In both situations, site employees did not stop to question the storage of combustibles in zones they should not have been stored in. No performance deficiencies were noted with these two items; however, the inspectors noted the link between human performance and the degrading trend identified in implementation of the fire protection program as documented in the second quarter report 2024.

The inspectors noted that challenges in human performance could present challenges to plant operation and equipment. However, for each potential example discussed above, the site took steps and actions to address the discrepant condition. The inspectors did not identify any findings or violations associated with the inspection activities.

EXIT MEETINGS AND DEBRIEFS

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

- On January 21, 2025, the inspectors presented the integrated inspection results to H. Patel, Plant Manager, and other members of the licensee staff.
- On November 1, 2024, the inspectors presented the inservice inspection results to T. Noah, Regulatory Compliance, and other members of the licensee staff.
- On November 8, 2024, the inspectors presented the radiation protection inspection results to J. Jaegers, Radiation Protection Manager, and other members of the licensee staff.
- On December 16, 2024, the inspectors presented the emergency action level and emergency plan changes inspection results to A. Clements, Emergency Preparedness Manager, and other members of the licensee staff.

DOCUMENTS REVIEWED

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
71111.04	Drawings	M-362	Diagram of Fuel Pool Cooling Piping	BI
	Procedures	DOP 1500-E1 U3	Unit 3 LPCI and CCSW System Electrical Checklist	14
		DOP 1500-M1	Unit 3 LPCI and Containment Cooling Valve Checklist	40
		DOP 1900-M1	Unit 3 Fuel Pool Cooling System Checklist	16
71111.05	Fire Plans	121 U3RB-23 A	Unit 3 Drywell Primary Containment Elev. 517'	2
		159 U3TB-70	Unit 3 Low Pressure Heater Bay Elev. 517'	3
		160 U3TB-71	Unit 3 H.P. Heaters/Steam Line Elevation 517'	3
		224 SBO U2DG	Station Blackout Diesel Generator Unit 2	5
		230 SBO GEN AREA	SBO General Area 1st and 2nd Floors	2
		242 SBO U2 6A 125V	SBO Unit 2 6A 125 Battery Room	1
		244 SBO U2 MER	SBO MER 2 "Unit 2 Mechanical Equipment Room"	3
		245 U2 SBO EER	Unit 2 SBO SWG EER "3rd Floor East"	3
71111.08G	Corrective Action Documents	4815204	Core Spray Sparger Bracket Indications	11/05/2024
	Engineering Changes	EC 640201	D3R28 IVVI Technical Evaluation	0
		EC 642914	D3R28 IVVI Indications	0
	NDE Reports	D3R28-UT-011	3/1/1303-12/ISO-15F	11/02/2024
		D3R28-UT-015	3/1/0215-4/4-1	11/03/2024
		D3R28-VEN-001	3/1/RPV LWR HD/N12-2	11/04/2024
		RI INR D3R28 IVVI 24-01	CSS1-2 SB 045	10/31/2024
71111.11Q	Procedures	DGP 01-01	Unit Startup	210
		DGP 02-01	Unit Shutdown	179
71111.12	Corrective Action Documents	4519442	Unexpected Alarm 923-1 U3A IAC Trip	08/29/2022
		4694214	HPCI Signal Converter Servo Amp Hardening Opportunity	08/02/2023
		4720508	3A Instrument Air Dryer Trouble	11/29/2023

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
		4732306	IM 12Y Replace 3C IAC TICs Scheduled Late due to 3C IAC Push	01/18/2024
		4755133	U2 HPCI RM Cooler Outlet Spins Freely	03/04/2024
		4763825	U3 Inst Air Comp Trip (3A IAC), Entered DOA 4700-01	04/05/2024
		4783211	U2 HPCI MGU	06/26/2024
		4788769	4.0 Critique - U3 DOA 4700-01 Entry - Ops Crew 4	07/23/2024
		4790344	Red Light Found on for U2 HPCI Signal Converter	07/29/2024
		4796906	Received XL3 43-24 and 43-30	08/26/2024
		4800798	Unexpected Alarm: XL-3 43-30 2TB Mezz Sprinkler Sys Charged	09/11/2024
		4801923	2/3 DFP Lube Oil and Jacket Temps High, Coolant Overflow	09/15/2024
		4806378	MRULE - AR 04801923 to Exceed Screening Date	10/02/2024
		4814567	Indications in Heat Affected Zone	11/02/2024
	Engineering Changes	405067	Seismic Qualification of HPCI Turbine Signal Converter Nutherm Model No. 73315	0
		634420	Add Throttle Valve to SW Pipe to Reduce Its Pressure to Match CCSW Pressure and Flow in Line to ECCS Room Coolers	0
		637623	Replace 1TR Relays on Air Compressors	2
		638016	Code Repair of a Through Wall Leak on Line 3-1510-16"-D Next to Support M-1200 D-292	0
	Miscellaneous		Compressed Air System Health Report	11/25/2024
			Maintenance Rule (a)(1) Status	10/02/2024
			High Pressure Injection System Health Report	10/08/2024
		NO-AA-10	Quality Assurance Topical Report (QATR)	98
	Procedures	ER-AA-2002	System and Equipment Health Monitoring	24
		ER-AA-320	Maintenance Rule Implementation Per NEI 18-10	0
		NO-AA-300-1001	Nuclear Oversight Independent Inspection Plan	16
	Work Orders	0552950	6RFL PM Insp DC Mtr/Brush HPCI Motor Gear Unit	11/15/2013
		4731637-01	CM Replace CCSW Piping Torus Catwalk	11/08/2018
		4731637-63	CM Replace Div 2 CCSW Piping Torus Catwalk	11/08/2024

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
		4731637-68	NDE Perform As-Left VT-3 Insp of CCSW Pipe Support	11/09/2024
		4731637-69	EP Perform VT2 Inspection at System Pressure	11/14/2024
		5159854	D3 2Y PM 3B IA Comp Repl Time Delay Relay "1TR"	08/30/2022
		5211916	U2 CCSW Div 1 Thru Wall Leak	12/16/2021
71111.15	Corrective Action Documents	4769615	U3 EDG 2253-10 Panel 2-6641-181Y1 Timer Relay Issue	04/25/2024
		4771354	U3 EDG 2253-10 Panel 3-6641-181Y1 Timer Relay Issue	05/02/2024
		4811673	D3R28 Pre-Outage MOV Diagnostic Test of 3-1501-13 A	10/23/2024
		4811956	MOV 3-1501-13 A Grade 4 Grease in Motor Pinion Cavity	10/24/2024
	Drawings	12E-3346	Schematic Diagram 4160V Bus 34-1 Standby Diesel 3 Feed & 24-1 Tie Breaker	AS
		12E-3350B	Schematic Diagram Diesel Generator 3 Auxiliaries & Start Relays	BO
	Miscellaneous	DAN DG2 (3) (2/3)B A-4	Under Frequency Trip	4
	Procedures	DOA 6600-01	Diesel Generator Failure	18
	Work Orders	5093099	D3 2Y TS LPCI MO Valve Operability and IST Surv	10/17/2022
		5359158	D3 2Y TS LPCI MO Valve Operability and IST Surv	10/14/2024
71111.18	Engineering Changes	638687	Upgrade Unit 3 FWRV Control Systems to Eliminate SPV	1
	Miscellaneous	K-4080	General Work Specification Maintenance/Modification Work Dresden Station Units 2 & 3	9
		NES-MS-03.6	Guidelines for Use of Lokring Technology	0
		USAS B31.1.0	Power Piping	1967
	Work Orders	5346557	Upgrade Unit 3 Feedwater Regulating Valve Control System to Eliminate Single Point Vulnerability	11/21/2024

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
71111.20	Corrective Action Documents Resulting from Inspection	4816292	NRC ID: Transient Combustibles	11/08/2024
	Engineering Changes	641540	Alternate Decay Heat Removal (ADHR) Qualification for D3R28	0
		641541	D3R28 Spent Fuel Pool Cooling Evaluation during Transition to ADHR	0
	Miscellaneous	D3R28 SSMP	D3R28 Shutdown Safety Analysis	2
	Procedures	DGP 02-03	Reactor SCRAM	120
		DOP 0700-09	APRM System Gain Adjustments	5
71111.24	Corrective Action Documents	4804152	Procedure DOS 2300-03 Revision	09/24/2024
		4816268	D3R28 3-2301-7 and 3-1201-158 Challenging Hydro Execution	11/08/2024
		4820077	3B FP Rad Mon TDR Found OOT	11/26/2024
	Procedures	DOS 1500-12	Containment Cooling Service Water Loop Flow Verification	37
		DOS 2300-03	High Pressure Coolant Injection System Operability and Quarterly IST Verification Test	123
		DOS 5750-04	Control Room Train B HVAC and Air Filtration Unit Surveillance	55
		DOS 7000-08	Local Leak Rate Testing of Primary Containment Isolation Valves	16
		DOS 7000-27	Local Leak Rate Testing of Unit 2 (3) Reactor Vessel Water Level Instrumentation System (RWVLIS) Valves	3
		DTS 5750-04	Control Room Air Filter Unit Performance Requirements (DOP Test)	15
	Work Orders	1704798-01	MM Overhaul 3-0203-2D MSIV Based Upon LLRT (OPCC)	11/06/2024
		1704798-07	OP- Perform 2D MSIV As-Left Wet or Dry LLRT (DOS 7000-01/02)	11/07/2024
		4852520	D3 3RFL/75M TS LLRT Vlv 0299-97A & 116A RVWLIS Backfill	11/01/2024

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
		4852544	D3 3RFL/75M TS LLRT Vlv 0299-100A & 117A RVWLIS Backfill	11/01/2024
		4852547	D3 3RFL/75M TS LLRT Vlv 0299-99A & 116A RVWLIS Backfill	11/01/2024
		4874604	D3 3RFL/75M TS LLRT Vlv 3-0299-98A RVWLIS Backfill	11/01/2024
		5097709-01	Op Perform OP Surveillance Per DOS 7100-06	11/12/2024
		5128802-01	MM D3 2RFL PM Insp 203-2B MSIV Air Op/AVCO Mnfd Asy (OPCC)	11/03/2024
		5128802-02	EM 2RFL PM Insp 203-2B MSIV Air Op/AVCO Mnfd Assy Surv (OPCC)	11/04/2024
		5128802-03	MM Repair 3-0203-2B MSIV Air Line (OPCC)	11/05/2024
		5313944-01	OP D3 Qtr/CSD PM Main Steam Isol Vlv Fail-Safe Test	11/14/2024
		5315244-09	Op PMT Perform As-Left Seat Leak Test Per DOS 7100-06	11/11/2024
		5352891	D2/3 24M TS Visual Inspection CR Filter Train	09/27/2024
		5363848-01	D3 RFL Full Closure Timing and Exercising of MSIVs	11/14/2024
		5364576-02	Op Unit 3 1000 PSI System Leakage Test/Hydrostatic Test	11/10/2024
		5364576-15	Ops Pressure Test 3B Core Spray Post-Hydro	11/10/2024
		5432493-23	Main Steam PMTs Required for Mode 2	11/17/2024
		5432497	OPB PMT CRD SCRAM Timing Dresden Generating Station	11/11/2024
		5551874-08	IM Replace Sensor/Converter 3-1743-B (D3 Refuel Floor 'B' A.R.M.)	11/26/2024
		5552589-18	Replace Servo Amp Card 2-2386A-SA1 in Field	09/23/2024
		5552589-19	OP PMT Motor Gear Unit 2303-MGU	09/24/2024
		5556986	EM T/S&R Thermal Anomaly on Fuse C-F10 (2-0902-15-C-F10)	11/22/2024
		5574819-01	D3 Qtr TS Fuel Pool Channel A/B Channel Cal & Functional	11/27/2024

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
		5577855	D2 Qtr TS RPS Channel A1/A2 Automatic SCRAM Contactor Test	11/22/2024
		5577858	OP D2 Qtr TS Channel 2A Manual SCRAM Push Buttons, Func. Test	11/22/2024
71114.04	Calculations	EP-AA-1004 Addendum 1	Dresden Station On-Shift Staffing Technical Basis	3
		EP-AA-1004 Addendum 2	Dresden Evacuation Time Estimates	2
		EP-AA-120-1001	Re-Link DRE Emergency Plan to the Fleet and Revise Plan to Reflect IPAWS Implementation, Evaluation No. 23-26	23-26
	Procedures	EP-AA-1004	Constellation Radiological Emergency Plan Annex for Dresden Station	40
71114.06	Miscellaneous		Dresden 4Q2024 Qual Drill	12/10/2024
71124.01	ALARA Plans	DR-03-24-0053	D3R28 CRD Activities	10/23/2024
		DR-03-24-00701	D3R28 Torus Dive Activities	01
		DR-03-24-00906	D3R28 RFF Cavity Decon	10/22/2024
		DR-03-24-00921	D3R28 - Rx Flange Repairs	11/04/2024
	Miscellaneous	RP-AA-302 Attachment 3 (Equivalent)	Alpha Chart	10/12/2023
		RP-AA-401-1002 Attachment 1	Radiological Risk Assessment Worksheet - D3R28 RFF Cavity Decon	0
	Procedures	NISP-RP-007	Control of Radioactive Material	01
		RP-AA-302	Determination of Alpha Levels and Monitoring	12
		RP-AA-461	Radiological Controls for Contaminated Water Diving Operations	13
	Radiation Surveys	2024-227981	CRD Platform	10/28/2024
		2024-228459	Unit 3 Reactor Head	11/01/2024
		2024-228509	CRD Platform	11/01/2024
		2024-228633	Unit 3 Reactor Head	11/03/2024
	Radiation Work Permits (RWP)	DR-03-24-00906	D3R28 RFF Cavity Decon	0
		DR-03-24-00921	D3R28 RFF Emergent Work Activities	01

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
		DR-03-24-0513	DW Control Rod Drive (CRD) Activities	00
71124.03	Miscellaneous	DR-03-24-00921	TEDE ALARA Evaluation Screening Worksheet - RX Head Emergent Flange Repair	11/04/2024
		DR-03-24-00921	TEDE ALARA Evaluation Screening Worksheet - Flange Repairs	11/03/2024
		DR-03-24-00921	TEDE ALARA Evaluation Screening Worksheet - Welding on RX Head Flange - High Energy	11/05/2024
71151	Miscellaneous		Data Verification Package for Safety System Functional Failure Performance Indicator, Unit 2 and Unit 3	10/01/2023-09/30/2024
			Data Verification Package for Residual Heat Removal Systems Performance Indicator, Unit 2 and Unit 3	07/01/2023-06/30/2024
			Data Verification Package for Cooling Water Support Systems Performance Indicator, Unit 2 and Unit 3	07/01/2023-06/30/2024
			Data Verification Package for Heat Removal Systems Performance Indicator, Unit 2 and Unit 3	07/01/2023-06/30/2024
71152S	Corrective Action Documents	4776320	Trend IR: Fire Protection Performance	05/24/2024
		4777635	Fire Protection Blitz	05/31/2024
		4789559	Maintenance Trending CCR/HURB	07/25/2024
		4796365	Station Trend: Procedure Use and Adherence	08/23/2024
		4814543	NOS QV ID Hold Point Bypassed	11/02/2024
		4815214	Significant Cross-Cutting Aspect Trend	11/05/2024
		4816292	NRC ID: Transient Combustibles	11/08/2024
		4817230	Trend IR Unsecured Doors	11/13/2024
		4821303	IEMA Finding 11/1 Transient Combustible Trending	12/03/2024
	Procedures	MA-MW-796-101	Welding, Brazing and Soldering Records	6
		PI-AA-125-1006 Att 16	Organizational Effectiveness Evaluation	8