



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

December 10, 2025

EAF-RIII-2025-0159

Christopher H. Mudrick
Senior Vice President
Constellation Energy Generation, LLC
President and Chief Nuclear Office (CNO)
Constellation Nuclear
200 Energy Way, KSA-3N
Kennett Square, PA 19348

**SUBJECT: BRAIDWOOD STATION – INTEGRATED INSPECTION REPORT
05000456/2025003 AND 05000457/2025003 AND EXERCISE OF
ENFORCEMENT DISCRETION**

Dear Christopher H. Mudrick:

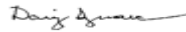
On September 30, 2025, the U.S. Nuclear Regulatory Commission (NRC) completed an inspection at Braidwood Station. On November 24, 2025, the NRC inspectors discussed the results of this inspection with A. Schuerman, Site Vice President, and other members of your staff. The results of this inspection are documented in the enclosed report.

Due to the temporary cessation of government operations, which commenced on October 01, 2025, the NRC began operating under its Office of Management and Budget-approved plan for operations during a lapse in appropriations. Consistent with that plan, the NRC operated at reduced staffing levels throughout the duration of the shutdown. However, the NRC continued to perform critical health and safety functions and make progress on other high-priority activities associated with the ADVANCE Act and Executive Order 14300. On November 13, 2025, following the passage of a continuing resolution, the NRC resumed normal operations. However, due to the 43-day lapse in normal operations, the Office of Nuclear Reactor Regulation granted the regional offices an extension on the issuance of the calendar year 2025, third quarter integrated inspection reports normally issued by November 15, 2025, to December 31, 2025. The NRC will resume the routine cycle of issuing inspection reports on a quarterly basis beginning with the calendar year 2025, fourth quarter integrated inspection reports, which will be issued 45 days after the fourth quarter ends on December 31, 2025.

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,



Signed by Szwarc, Dariusz
on 12/10/25

Dariusz Szwarc, Chief
Reactor Projects Branch 3
Division of Operating Reactor Safety

Docket Nos. 05000456 and 05000457
License Nos. NPF-72 and NPF-77

Enclosure:
As stated

cc w/ encl: Distribution via LISTSERV®

Letter to Christopher H. Mudrick from Dariusz Szwarc dated December 10, 2025.

SUBJECT: BRAIDWOOD STATION – INTEGRATED INSPECTION REPORT
05000456/2025003 AND 05000457/2025003 AND EXERCISE OF
ENFORCEMENT DISCRETION

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U.S. NUCLEAR REGULATORY COMMISSION
Inspection Report

Docket Numbers: 05000456 and 05000457

License Numbers: NPF-72 and NPF-77

Report Numbers: 05000456/2025003 and 05000457/2025003

Enterprise Identifier: I-2025-003-0048

Licensee: Constellation Nuclear

Facility: Braidwood Station

Location: Braceville, IL

Inspection Dates: July 01, 2025, to September 30, 2025

Inspectors: R. Bowen, Illinois Emergency Management Agency
J. Cassidy, Senior Health Physicist
T. Hooker, Health Physicist
J. McPherson, Reactor Operations Engineer
G. Roach, Senior Operations Engineer
J. Robb, Operations Engineer
J. Robbins, Senior Resident Inspector
P. Smagacz, Resident Inspector

Approved By: Dariusz Szwarc, Chief
Reactor Projects Branch 3
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 Braidwood 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

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

Additional Tracking Items

Type	Issue Number	Title	Report Section	Status
EDG	EDG-R111-2025-0159	Failure to Comply with 10 CFR Part 37	71124.08	Closed

PLANT STATUS

Unit 1 began the inspection period at rated thermal power. On July 30, 2025, Unit 1 tripped due to a lightning strike (EN 57839/LER 2025-001-01). All systems responded as designed. The unit was restarted on July 31, 2025, and achieved full power on August 2, 2025. The unit remained at or near rated thermal power until September 16, 2025, when the unit began coasting down for planned refueling outage A1R25. The unit was at approximately 90 percent rated thermal power at the end of the inspection period.

Unit 2 began the inspection period at rated thermal power. On July 10, 2025, the unit reduced rated thermal power to 89 percent to repair a condenser tube leak. The unit returned to full power on July 14, 2025. The unit remained at or near rated thermal power for the remainder of the inspection period.

INSPECTION SCOPES

Inspections were conducted using the appropriate portions of the inspection procedures (IPs) in effect at the beginning of the inspection unless otherwise noted. Currently approved IPs with their attached revision histories are located on the public website at <http://www.nrc.gov/reading-rm/doc-collections/insp-manual/inspection-procedure/index.html>. Samples were declared complete when the IP requirements most appropriate to the inspection activity were met consistent with Inspection Manual Chapter (IMC) 2515, "Light-Water Reactor Inspection Program - Operations Phase." The inspectors performed activities described in IMC 2515, Appendix D, "Plant Status," observed risk significant activities, and completed on-site portions of IPs. The inspectors reviewed selected procedures and records, observed activities, and interviewed personnel to assess licensee performance and compliance with Commission rules and regulations, license conditions, site procedures, and standards.

REACTOR SAFETY

71111.04 - Equipment Alignment

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

- (1) The inspectors evaluated system configurations during a complete walkdown of the Unit 1 emergency diesel generators (EDGs) during the weeks ending September 6 through October 4, 2025.

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 FZ 11.3A-1, auxiliary building, 364' elevation, safety injection pump 1A room during the week ending August 16, 2025
- (2) Fire Zone FZ 11.2D-1, auxiliary building, 346' elevation, residual heat removal pump 1B room during the week ending August 16, 2025

- (3) Fire Zone FZ 11.4A-2, auxiliary building, 383' elevation, Unit 2 auxiliary feedwater pump diesel room during the week ending August 16, 2025

71111.11A - Licensed Operator Requalification Program and Licensed Operator Performance

Requalification Examination Results (IP Section 03.03) (1 Sample)

- (1) The inspectors reviewed and evaluated the licensed operator examination failure rates for the requalification annual operating exam administered between the weeks of August 19, 2025, and September 23, 2025, and the biennial written examinations completed in September 2024.

71111.11B - Licensed Operator Requalification Program and Licensed Operator Performance

Licensed Operator Requalification Program (IP Section 03.04) (1 Sample)

- (1) Biennial Requalification Written Examinations

The inspectors evaluated the quality of the licensed operator biennial requalification written examination administered on September 13, 2024.

Annual Requalification Operating Tests

The inspectors evaluated the adequacy of the facility licensee's annual requalification operating test administered during the week of August 25, 2025.

Administration of an Annual Requalification Operating Test

The inspectors evaluated the effectiveness of the facility licensee in administering requalification operating tests required by 10 CFR 55.59(a)(2) and that the facility licensee is effectively evaluating their licensed operators for mastery of training objectives.

Requalification Examination Security

The inspectors evaluated the ability of the facility licensee to safeguard examination material, such that the examination is not compromised.

Remedial Training and Re-examinations

The inspectors evaluated the effectiveness of remedial training conducted by the licensee, and reviewed the adequacy of re-examinations for licensed operators who did not pass a required requalification examination.

Operator License Conditions

The inspectors evaluated the licensee's program for ensuring that licensed operators meet the conditions of their licenses.

Control Room Simulator

The inspectors evaluated the adequacy of the facility licensee's control room simulator in modeling the actual plant, and for meeting the requirements contained in 10 CFR 55.46.

71111.11Q - Licensed Operator Requalification Program and Licensed Operator Performance

Licensed Operator Performance in the Actual Plant/Main Control Room (IP Section 03.01) (2 Samples)

The inspectors observed and evaluated the following activities performed by licensed operators in the facility's main control room:

- (1) various activities involving on-watch operations crews in the main control room during a downpower for a Unit 2 condenser tube leak during the week ending July 12, 2025
- (2) various activities involving on-watch operations crews in the main control room during a restart of Unit 1 during the week ending August 2, 2025

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

The inspectors observed and evaluated the following licensed operator training activity, which included the administration of the annual requalification operating test required by 10 CFR 55.59(a)(2) in the facility's control room simulator:

- (1) a complex casualty graded scenario involving a crew of licensed operators was observed in facility's simulator during the conduct of the annual requalification operating test during the week ending September 6, 2025

71111.12 - Maintenance Effectiveness

Maintenance Effectiveness (IP Section 03.01) (2 Samples)

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

- (1) EDG emergency air supply bottles during the week ending August 30, 2025
- (2) auxiliary feedwater air operated injection valves during the weeks ending September 6 through 20, 2025

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) main steam isolation valve (MSIV) air accumulator regulators during the weeks ending September 6 through 13, 2025

71111.13 - Maintenance Risk Assessments and Emergent Work Control

Risk Assessment and Management Sample (IP Section 03.01) (1 Sample)

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) review and evaluation of the risk associated with risk informed completion time (RICT) associated with instrument 1P-0545 repairs and over temperature delta temperature (OTDT) needs calibration, as documented in OP-AA-10-8118, Attachment 2, RICT record during the week ending August 9, 2025

71111.15 - Operability Determinations and Functionality Assessments

Operability Determination or Functionality Assessment (IP Section 03.01) (6 Samples)

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

- (1) evaluation of the operability of the 1A diesel generator due to a fuel oil leak, as documented in Action Request (AR) 4878462 during the week ending July 12, 2025
- (2) evaluation of the operability of the 1A diesel generator due to a lube oil leak, as documented in AR 4878458 during the week ending July 19, 2025
- (3) evaluation of the operability of the 2A diesel generator due to a sheared piece of tubing, as documented in AR 4885105 during the week ending August 2, 2025
- (4) evaluation of the operability of the 1A EDG due to a potential issue with EDG ventilation, as documented in AR 4895775 during the week ending September 13, 2025
- (5) evaluation of the operability of 2P-0457 pressurizer pressure loop, as document in AR 4891362 during the week ending September 13, 2025
- (6) evaluation of the operability of the 2B EDG after a failed fast start, as documented in AR 4900643 during the week ending September 27, 2025

71111.18 - Plant Modifications

Temporary Modifications and/or Permanent Modifications (IP Section 03.01 and/or 03.02) (1 Sample)

The inspectors evaluated the following temporary or permanent modifications:

- (1) permanent plant modification per Engineering Change (EC) 643635, Appendix J Local Leak Rate Scope Reduction - Penetrations P-1, P-16, and P-41, Revision 0 during the week ending July 17, 2025

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) (5 Samples)

- (1) functional and operational testing of the 1D steam generator pressure indicator following replacement, as documented in Work Order (WO) 5701998 during the week ending August 16, 2025
- (2) functional and operational testing of Unit 1, power range instrument N43 following 15-year replacement of power supplies, as documented in WO 1835382 during week ending August 30, 2025
- (3) functional and operational testing of 2CC9412A following maintenance, as documented in WO 4921862 during week ending August 30, 2025
- (4) functional and operational testing of 1PDS-VD044 DG vent system fan and 1VD01CA differential pressure switch following maintenance, as documented in WO 5720055 during week ending September 20, 2025
- (5) functional and operational testing of 1FC8765 after maintenance, as documented in WO 5430031 during the week ending August 30, 2025

Surveillance Testing (IP Section 03.01) (2 Samples)

- (1) 1BwOSR 3.8.1.2-1; Unit One 1A Diesel Generator Operability Surveillance, as documented in WO 5683714 during the week ending July 5, 2025
- (2) 1BwOSR 5.5.8.CC-6A; Group A IST Requirements for Component Cooling Pump (1CC01PA), as documented in WO 5660549 during the week ending July 12, 2025

RADIATION SAFETY

71124.07 - Radiological Environmental Monitoring Program

Environmental Monitoring Equipment and Sampling (IP Section 03.01) (1 Sample)

- (1) The inspectors evaluated environmental monitoring equipment and observed collection of environmental samples.

Radiological Environmental Monitoring Program (IP Section 03.02) (1 Sample)

- (1) The inspectors evaluated the implementation of the licensee's radiological environmental monitoring program.

GPI Implementation (IP Section 03.03) (1 Sample)

- (1) The inspectors evaluated the licensee's implementation of the Groundwater Protection Initiative (GPI) program to identify incomplete or discontinued program elements.

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

Radioactive Material Storage (IP Section 03.01) (1 Sample)

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

- (1) snubbers stored in top loading sealand container

Radioactive Waste System Walkdown (IP Section 03.02) (1 Sample)

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

- (1) radioactive waste building resin processing equipment

Waste Characterization and Classification (IP Section 03.03) (2 Samples)

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

- (1) Dry Active Waste (DAW)
- (2) 0WX0ST resin

Shipping Records (IP Section 03.05) (3 Samples)

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

- (1) radioactive waste shipment number RWS24-014; resin liner in cask RT-100
- (2) radioactive waste shipment number RWS24-019; DAW & metals in shielded seavan
- (3) radioactive waste shipment number RWS25-001; resin liner PO711398-86 in cask 14-215H-21

OTHER ACTIVITIES – BASELINE

71151 - Performance Indicator Verification

The inspectors verified licensee performance indicators submittals listed below:

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

- (1) Unit 1 (July 1, 2024, through June 30, 2025)
- (2) Unit 2 (July 1, 2024, through June 30, 2025)

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

- (1) Unit 1 (July 1, 2024, through June 30, 2025)
- (2) Unit 2 (July 1, 2024, through June 30, 2025)

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

- (1) Unit 1 (July 1, 2024, through June 30, 2025)
- (2) Unit 2 (July 1, 2024, through June 30, 2025)

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

- (1) Unit 1 (October 1, 2024, through June 30, 2025)
- (2) Unit 2 (October 1, 2024, through June 30, 2025)

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

- (1) Unit 1 (October 1, 2024, through June 30, 2025)

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) Unit 1 (October 1, 2024, through June 30, 2025)

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) Review and assessment of the station's corrective actions for an out of tolerance condition identified during testing as discussed in AR 4891362 during the week ending September 20, 2025.

71153 - Follow-up of Events and Notices of Enforcement Discretion

Personnel Performance (IP Section 03.03) (1 Sample)

- (1) Review and assessment of licensee and plant response to the Unit 1 automatic reactor trip on July 30, 2025, due to an OTDT reactor protection system actuation as documented in NRC Event Notification (EN) 57893, during the week ending August 2, 2025. No performance deficiency nor violation of NRC requirements was identified.

INSPECTION RESULTS

Enforcement Discretion	Enforcement Action EAF-RIII-2025-0159: Failure to Comply with 10 CFR Part 37	71124.08
<p><u>Description:</u></p> <p>On January 15, 2016, the licensee was issued NRC Inspection Report Nos. 05000456/2016407 and 05000457/2016407, which documented a licensee identified violation of 10 CFR Part 37, Physical Protection of Category 1 and Category 2, Quantities of Radioactive Material at Facilities with a 10 CFR Part 73, Physical Protection Program. The violation met the criteria for Enforcement Discretion as described in Enforcement Guidance Memorandum (EGM) 14-001, "Interim Guidance for Dispositioning 10 CFR Part 37 Violations with Respect to Large Components or Robust Structures Containing Category 1 or Category 2 Quantities of Material at Power Reactor Facilities Licensed Under 10 CFR Parts 50 and 52."</p> <p>Subsequently, the inspectors re-evaluated this activity and found that while a violation of regulatory requirements continues to exist, the conditions remain within the criteria for enforcement discretion established within the Interim Enforcement Policy (IEP) discussed within NRC's Enforcement Policy, Section 9.3.</p> <p>Corrective Actions: As specified in the NRC's Enforcement Policy, Section 9.3, the application of discretion is authorized until the underlying technical issue is dispositioned through rulemaking or other regulatory action.</p>		
<p><u>Enforcement:</u></p> <p>Violation: On January 15, 2016, the licensee was issued NRC Inspection Report Nos. 05000456/2016407 and 05000457/2016407. The inspectors determined that the previously identified violation remains.</p> <p>Basis for Discretion: This violation met all of the criteria for Enforcement Discretion as described in NRC's Enforcement Policy, Section 9.3, "Enforcement Discretion for Physical Protection of Category 1 and Category 2 Quantities of Radioactive Material (10 CFR Part 37)."</p>		

EXIT MEETINGS AND DEBRIEFS

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

- On November 24, 2025, the inspectors presented the integrated inspection results to A. Schuerman, Site Vice President, and other members of the licensee staff.
- On July 25, 2025, the inspectors presented the radiation protection inspection results to S. MacArtney, Maintenance Director, and other members of the licensee staff.
- On August 29, 2025, the inspectors presented the 2025 licensed operators requalification program inspection results to A. Schuerman, Site Vice President, and other members of the licensee staff.

DOCUMENTS REVIEWED

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
71111.04	Corrective Action Documents	4899212	1DG5168B Valve Handle Comes Off	09/19/2025
		4899221	1HS-DG223 Needs EPN	09/19/2025
		4899235	1B DG Left Air Manifold High	09/19/2025
		4900339	1B EDG DO Supply Pipe Clamp Dampening Material Degraded	09/24/2025
	Corrective Action Documents Resulting from Inspection	4899608	DG Valve Tag Description Typos	09/22/2025
	Procedures	BwOP DG-E1	Electrical Lineup - Unit 1 1A Diesel Generator	7
		BwOP DG-E2	Electrical Lineup - Unit 1 1B Diesel Generator	6
		BwOP DG-M1	Operating Mechanical Lineup Unit 1 1A D/G	17
		BwOP DG-M2	Operating Mechanical Lineup Unit 1 1B D/G	17
71111.05	Fire Plans	Pre-Fire Plan #109	FZ 11,2D-a, AB 346' RHR Pump 1B Room	2
		Pre-Fire Plan #118	FZ 11.3A-1, AB 364' Safety Injection Pump 1A Room	3
		Pre-Fire Plan #138	FZ 11.4A-2, AB 383' Unit 2 Aux. Feedwater Pump Diesel Room	2
71111.11A	Miscellaneous	TQ-AA-150-F25	LORT Annual Exam Status Report	Rev. 007
71111.11B	Calculations	1BwGP 100-7T4	Calculation of Estimated Critical Condition from Nuclear Fuel, Westinghouse, or Beacon Supplied Values	15
	Corrective Action Documents		Root Cause Evaluation for IR#4772085	05/24/2024
		AR 04893981	LORT Annual Exam Security Procedure Non-Compliance	08/28/2025
		PA-240124-001	Performance Analysis for Shear Pin Replacement	01/24/2024
	Miscellaneous		Braidwood 24-month Regualification Program (2023-2025)	
			Training Cycle 23-6 Licensed Operator Attendance Records	
			Training Cycle 24-4 Licensed Operator Attendance Records	
		BwVS 500-6	Low Power Physics Test Program	48
		OP-AA-105-102	Reactivation of License Log	17
		OP-AA-105-102	Reactivation of License Log (Completed for two operators)	

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
		Attachment 2		
		SRB 24-1	Simulator Review Board	03/05/2024
		SRB 24-2	Simulator Review Board	11/05/2024
		TQ-AA-150-F25	LORT Annual Examination Status Report	09/27/2024
		TQ-AA-155-F04	Simulator Evaluation Form – Individual (Completed)	08
		TQ-AA-155-F05	Simulator Evaluation Form – CREW (Completed)	15
		TQ-AA-306 ATT 10	PWR Moderator Temperature Coefficient of Reactivity Post-Outage	06/20/2024
		TQ-AA-306 ATT 10	PWR Moderator Temperature Coefficient of Reactivity Pre-Outage	11/04/2023
		TQ-AA-306 ATT 11	PWR Rod Worth Coefficient of Reactivity Pre-Outage	11/04/2023
		TQ-AA-306 ATT 11	PWR Rod Worth Coefficient of Reactivity Post-Outage	06/20/2024
		TQ-AA-306 ATT 12	PWR Boron Coefficient of Reactivity Pre-Outage	11/04/2023
		TQ-AA-306 ATT 13	PWR Xenon Worths Pre-Outage	11/04/2023
		TQ-AA-306 ATT 16	PWR Approach to Criticality Using Boric Acid Pre-Outage	11/04/2023
		TQ-AA-306 ATT 17	PWR Approach to Criticality Using Control Rods Pre-Outage	11/04/2023
		TQ-AA-306 ATT 17	PWR Approach to Criticality Using Control Rods Post-Outage	06/20/2024
		TQ-AA-306-F-03	POST EVENT SIMULATOR TEST: Steam Generator Lo-2 Reactor Trip	07/02/2024
		TQ-AA-306-F-03	Post Event Simulator Test: Grid Transient AR 04799109	10/09/2024
		TQ-AA-306-F-03	POST EVENT SIMULATOR TEST: 16B Heater Normal Level Control Valve 1HD011B Sticking	06/03/2025
		TQ-AA-306-F-03	Braidwood Real Time Test, Rt-1 Cycle 25 Core Load Testing	07/17/2025
		TQ-AA-306-F-03	Braidwood Transient Test 1 - Manual Reactor Trip	07/17/2025
		TQ-AA-306-F-03	Braidwood Transient Test 2 - Simultaneous Trip of All Main Feedwater Pumps	07/17/2025
		TQ-AA-306-F-03	Braidwood Transient Test 3 - Simultaneous Closure of All	07/17/2025

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
			Main Steam Isolation Valves	
		TQ-AA-306-F-03	Braidwood Transient Test 4 - Simultaneous Trip of All Reactor Coolant Pumps	07/17/2025
		TQ-AA-306-F-03	Braidwood Transient Test 5 - Trip of Any Single Reactor Coolant Pump	07/17/2025
		TQ-AA-306-F-03	BRAIDWOOD TRANSIENT TEST 6 - TURBINE TRIP < P-8	07/17/2025
		TQ-AA-306-F-03	Braidwood Transient Test 7 - Maximum Rate Ramp 100% To 75% To 100%	07/17/2025
		TQ-AA-306-F-03	Braidwood Transient Test 8 - Lbloca with Loop	07/16/2025
		TQ-AA-306-F-03	Braidwood Transient Test 9 - Maximum Size Main Steam Line Rupture	07/17/2025
		TQ-AA-306-F-03	Braidwood Transient Test 10 - Slow Primary Depress Due to Open Porv Without Charging Pumps	07/17/2025
		TQ-AA-306-F-03	Braidwood Transient Test 11 - Maximum Design Load Rejection	07/17/2025
		TQ-AA-306-F-20	Simulator Scenario Based Testing Checklist (LORT Scenario Number 2531)	04/30/2025
		TQ-AA-306-F-20	Simulator Scenario Based Testing Checklist (LORT Scenario Number 2541)	06/26/2025
		TQ-AA-306-F-20	Simulator Scenario Based Testing Checklist (ILT NRC 2023 Exam Scenario 1)	10/16/2023
		TQ-AA-306-F-20	Simulator Scenario Based Testing Checklist (NRC 2023 Exam Scenario 2)	10/16/2023
		TQ-AA-306-F-20	Simulator Scenario Based Testing Checklist (NRC 2023 Exam Scenario 3)	10/17/2023
		TQ-BR-302-0103	Braidwood Simulator Steady State Testing Ss-1 (100%)	06/17/2025
		TQ-BR-302-0103	Braidwood Simulator Steady State Testing Ss-1 (75%)	06/24/2025
		TQ-BR-302-0103	Braidwood Simulator Steady State Testing Ss-1 (54%)	06/24/2025
	Procedures	NF-AP-181 Attachment 1	Byron and Braidwood Rod Worth Testing Scope Decision Review Form	
		NF-AP-181 Attachment 4	PWROG-19014-P HZP BOL MTC Testing Scope Decision Review Form for Byron and Braidwood	
		TQ-AA-150	Operator Training Programs	26
		TQ-AA-306	Simulator Management	13

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
		TQ-BR-150-F31 (LORT)	Training Program Description: Licensed Operator Requalification Training Program (LORT)	02
		TQ-BR-201-0113	Braidwood Training Department Simulator Examination Security Actions	30
	Self-Assessments	AR 04845283	Pre-71111.11 & Annual Simulator Compliance	05/14/2025
	Work Orders	05303923	Perform Low Power Physics Test Program	05/05/2024
		SWR 0138723	Nuclear Instrument cabinet power supply failure	11/08/2023
		SWR 0138802	Add PPC points for PZR PORV/Safety Tailpipe Temps and Rate of Change	12/19/2023
		SWR 0138900	Adjust Refueling Water Storage Tank Low Setpoint	02/15/2024
		SWR 0139079	1 Hour Lost Time Due to ECCS Reset Buttons Not Functioning	05/14/2024
		SWR 0139092	OA WS Pump Stator Temperature Reaches Alarm Setpoint	05/20/2024
		SWR 0139240	Must reset MST With Each IC Reset To Prevent Partial Simulator Failure	08/07/2024
		SWR 0139300	Exam Related	09/06/2024
		SWR 0139341	STC Simulator Firewall Ruleset Consolidation	10/03/2024
		SWR 0139486	H2 Temperature Meter Sticking	01/30/2025
		SWR 0139596	SG 1A/1B WR SGWL Yokogawa Fails Intermittently	03/24/2025
		SWR 0139786	Add PPC Alarm for Feedwater Regulating Valves	06/25/2025
71111.11Q	Procedures	HU-AA-104-101	Procedure Use and Adherence	9
		OP-AA-101-111-1001	Operations Standards and Expectations	36
		OP-AA-101-113	Operator Fundamentals	20
		OP-AA-101-113-1006	4.0 Crew Critique Guidelines	14
71111.12	Corrective Action Documents	4815722	2A MSIV Air Pump Regulator Seems to be Degraded	11/06/2024
		4827290	MSIV Air Regulator Trend	01/03/2025
		4837397	1AF005F in Mid Position Following Stroke from RSDP	02/14/2025
		4866722	TRM 3.7.g to Go Past 30 Days for 1AF005F	05/18/2025
		4867669	1AF005E Did Not Go Full Open	05/21/2025
		4869010	2AF005D Exceeds Stroke Closed Alert Time Limit	05/25/2025
		4876951	2D MSIV Air Pump Regulator Degraded	06/27/2025

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
		4888258	2D MSIV Air Pump Regulator Degraded	08/04/2025
		4892892	2D MSIV Air Pump Regulator Degraded	08/24/2025
	Drawings	D-10239	Schematic for A/DV Self Contained Hydraulic Acuator	K
	Procedures	0BwOS OALE-Q1	Operating Abnormal Procedures Local Equipment Check Surveillance	44
		1BwOSR 3.6.3.5.AF-1B	Unit One Train B Auxiliary Feedwater Valve Stroke Surveillance	21
		ER-AA-2030	Conduct of Equipment Reliability Manual	31
		SM-AA-3019	Parts Quality Initiative (PQI)	15
	Work Orders	5658148	Operating Abnormal Procedures Local Equipment Check Quarterly Surveillance	07/22/2025
71111.13	Corrective Action Documents	4888466	1TY-0421G & 1TY-0421A3 Cards Found Defective 1T-0421 Loop	08/05/2025
	Miscellaneous	None	PARAGON RMTS Report for 1P-0545	08/01/2025
		OP-AA-108-118, Attachment 2	Initial RICT Record for 1PT-0545 and 1B OTDT requires Calibration	08/01/2025
		OP-AA-108-118, Attachment 2	Final RICT Record for 1P-0545 and 1B OTDT Requires Calibration	08/05/2025
	Procedures	OP-AA-108-118	Risk Informed Completion Time	3
71111.15	Corrective Action Documents	4878458	1A DG Lower Lube Oil Cooler Oil Leak	07/02/2025
		4878462	Fuel Oil Leak from 1PY-DG8035A Diaphragm	07/02/2025
		4885105	2A DG Starting Air Compressor #1 Running Continuously / Air Leak	07/24/2025
		4891362	2PB-0457B 0-10 V Signal Found OOT During WO 5439299	08/19/2025
		4895775	Unexpected Annunciator 1VD01JA-1-A6	09/06/2025
		4900643	2B EDG Failed Fast Start	09/25/2025
	Drawings	20E-1-4030VD01	Diesel Generator Room 1A HVAC System Ventilation Fan 1A 1VD01CA	M
		20E-1-4030VD03	Diesel Generator Room 1A HVAC System Ventilation & Exhaust Fans Auxiliary Relays, Switches & Alarms - Part 1	P
		20E-1-4030VD15	Diesel Generator Room HVAC System Ventilation Annunciator Panel 1VD01JA	G
	Engineering Evaluations	EC 405348	DG Closed System Leak Guidance (Lube Oil, Jacket Water, and Fuel Oil)	0

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
71111.18	Engineering Changes	406445	Appendix J Scope Reduction for Type C Local Leak Rate Testing Penetration P-28	0
		643635	Appendix J Local Leak Rate Scope Reduction – Penetrations P-1, P-16, and P-41	0
	Miscellaneous	NEI 94-01	Industry Guideline for Implementing Performance-Based Option of 10 CFR Part 50, Appendix J	3-A
71111.24	Corrective Action Documents	1012028	Verify Sealtight Conduit Connectors Tight for 2CC9412A	01/04/2010
		1019847	Replace Fuse for Extent of Condition - 2AP21E-K3	01/22/2010
		1397634	MCC Bucket as found wiring does not match EC Prints	08/06/2012
		1502004	Replace 2CC9412A R/C Contactor - 2AP21E-K3	04/15/2013
		4546249	WO 5137542-01 1CC01PA Coupling Issue Expanded Scope	01/03/2023
		4546832	1CC01PA Work Delays	01/05/2023
		4546923	1CC01PA Work Delays	01/06/2023
		4546989	1CC01PA coupling gap issue	01/06/2023
		4549595	4.0 Critique 1CC01PA	01/20/2023
		4690196	1CC9412B Leak-by Prevented Relief Valve Replacement	07/12/2023
		4759610	1CC9507B Leak-by Identified During Troubleshooting	03/20/2024
		4762995	Roll-up of Troubleshooting to Isolate 1CC9422B	04/02/2024
		4824693	Fuel Transition Impact: 18 Month PR NIs Surveillance Timing	12/18/2024
		4869447	Unexpected Alarm 1-10-B4, PWR Rng Lower Det Flux Dev High	05/30/2025
		4875425	Unexpected Alarm 1-10-C4	06/23/2025
		4878458	1A DG Lower Lube Oil Cooler Oil Leak	07/02/2025
		4878465	Damaged Cable Insulation for 1PT-DG704A	07/02/2025
		4878468	Unidentified Fuel Oil Leak 1A DG Top, West Side	07/02/2025
		4878558	NI Related Ovation Alarms	07/03/2025
		4884475	Unexpected alarm 1-10-C4, PWR RNG Channel Dev	07/23/2025
	Drawings	1F-FC-01	Fuel Pool Cooling System	E
	Procedures	1BwOSR 0.1-1,2,3	Unit One Modes 1, 2, and 3 Shiftly and Daily Operating Surveillance	104
		ER-AA-335-004	Ultrasonic (UT) Measurement of Material Thickness and Interfering Conditions	10

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
71124.07	Work Orders	1835382	1N-NR4083 Replace All Power Supplies	08/14/2025
		4921862	2AP21E-K3 Starter Diagnostic Test and Control Power Fuse Replacement	08/07/2025
		5430031	1FC8765 Found to Have Internal Leak-by	08/27/2025
		5660549	IST - For 1CC9463A/B 0CC9464 - ASME SRV RQMTS for 1CC01PA	07/08/2025
		5683714	LRIST-1A D/G Operability Monthly	07/02/2025
		5701998	1D SG Steam Pressure Indicator Failed High	08/04/2025
		5720055	Unexpected Annunciator 1VD01JA-1-A6	09/11/2025
	Corrective Action Documents	04417340	1st Quarter 2021 Radiochemistry Crosscheck	04/18/2021
		04483926	2021 Control Dose OSLDs	03/10/2022
		04532907	Power Supply Issue at BD-03	10/28/2022
		04666583	NOS ID: Provide Explanation in the ODCM	03/31/2023
		04733327	2nd QTR OSLDs	01/19/2024
		04734642	5-Year OSLD Baseline Anomalies	01/22/2024
		04852827	Change to ODCM Process and Procedure	04/03/2025
		04880690	ODCM Remp Provider	07/11/2025
	Miscellaneous		Braidwood Sampling Anomalies	various
			Annual Radiological Environmental Operating Report	various
			Annual Radiological Groundwater Protection Program Report	various
			Land Use Census	various
			Well Sample Analyses	various
	Procedures	CY-AA-170-000	Radioactive Effluent and Environmental Monitoring Programs	7
		CY-AA-170-100	Radiological Environmental Monitoring Program	2
		CY-AA-170-1000	Radiological Environmental Monitoring Program and Meteorological Program Implementation	13
		CY-AA-170-1001	Environmental Dosimetry - Performance Specifications, Testing, and Data Analysis	1
		CY-AA-170-1100	Quality Assurance for Radiological Monitoring Programs	4
		CY-BR-170-301	Offsite Dose Calculation Manual	11
		EN-AA-408	Radiological Groundwater Protection Program	3

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
		EN-AA-408-4000	Radiological Groundwater Protection Program Implementation	14
	Self-Assessments	NOSA-BRW-23-03	Chemistry, Radwaste, Effluent and Environmental Monitoring Audit Report	04/05/2023
71124.08	Corrective Action Documents Resulting from Inspection	AR 04884453	NRC ID: No locks on Radioactive Materials Trailers	07/22/2025
	Miscellaneous	22 DAW	22 DAW Ave	06/01/2022
		23 DAW	23 DAW Ave	04/05/2024
		24 DAW	24 DAW Ave	03/11/2025
		24 DAW	Waste Stream Review and Scaling Factor Determination	03/11/2025
		Memo #2018-02	Radiological Controls for Condensate Polisher Resin B-25 Boxes	08/02/2021
		SRRS ID 2B.127	RP-AA-800 2025 Semi-annual Source Inventory and Leak Test	01/16/2025
	Procedures	RP-AA-500-1001	Control of RAM Storage Areas and Containers Stored Outside	15
		RP-AA-600	Radioactive Material/Waste Shipments	19
		RP-AA-602-1002	Loading Dry Active Waste and Other Waste Forms for Energy Solutions Waste Acceptance Guide (WAG-501)	2
		RP-AA-605	10 CFR 61 Program	15
		RW-AA-100	Process Control Program for Radioactive Wastes	12
		RW-AA-100	Process Control Program for Radioactive Wastes	12
	Self-Assessments	AR 04710974	Part 37 Implementation and Part 37 Security Plan Compliance	01/15/2024
		AR 04716439-01-02	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	11/08/2024
		AR 04755696	Part 37 Implementation and Part 37 Security Plan Compliance	02/10/2025
	Shipping Records	Radioactive Waste Shipment Number RWS24-014	Resin Liner in Cask RT-100	02/23/2024

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
		Radioactive Waste Shipment Number RWS24-019	DAW & Metals in Shielded Seavan	10/25/2024
71151	Miscellaneous		Performance Indicator Data for MS09: Residual Heat Removal Systems for Units 1 and 2	07/01/2024 - 06/30/2025
			Performance Indicator Data for MS10: Cooling Water Systems for Units 1 and 2	07/01/2024 - 06/30/2025
			Performance Indicator Data for MS08: Heat Removal Systems for Units 1 and 2	07/01/2024 - 06/30/2025
		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 Occurences	various
71152A	Corrective Action Documents	4101654	Trend 7300 NAL Cards	02/07/2018
		4366128	WO 4890866 2PB-0457B OOT 0-10 V signal	08/28/2020
		4509290	2PB-0457A/B 0-10 V Signal OOT during WO 5084086	07/05/2022
		4891362	2PB-0457B 0-10 V Signal found OOT during WO 5439299	08/19/2025
	Drawings	20E-2-4031RY03	LOOP Schematic Diagram Pressurizer Pressure Protection III (2PT0457) Protection Cabinet 3 (2PA03J)	K
	Miscellaneous	Westinghouse IB-NLP 7300	7300 Isolator and Loop Power Supply Instruction Bulletin	0
	Procedures	BwISR 3.3.1.10-M239	Operational Test and Channel Verification / Calibration for LOOP P-0457, Pressurizer Pressure Protection Channel III Cabinet 3	32