



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION III
2443 WARRENVILLE ROAD, SUITE 210
LISLE, ILLINOIS 60532-4352

August 4, 2021

Mr. David Rhoades
Senior VP, Exelon Generation Company, LLC
President and CNO, Exelon Nuclear
4300 Winfield Road
Warrenville, IL 60555

SUBJECT: BYRON STATION – INTEGRATED INSPECTION REPORT 05000454/2021002;
05000455/2021002; AND 07200068/2021001

Dear Mr. Rhoades:

On June 30, 2021, the U.S. Nuclear Regulatory Commission (NRC) completed an inspection at Byron Station. On July 12, 2021, the NRC inspectors discussed the results of this inspection with Mr. J. Kowalski, Site Vice President, 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 black ink, appearing to read "Hironori Peterson".

Signed by Peterson, Hironori
on 08/04/21

Hironori Peterson, Chief
Branch 3
Division of Reactor Projects

Docket Nos. 05000454; 05000455;
07200068
License Nos. NPF-37 and NPF-66

Enclosure:
As stated

cc w/ encl: Distribution via LISTSERV®

Letter to David Rhoades from Hironori Peterson dated August 4, 2021.

SUBJECT: BYRON STATION – INTEGRATED INSPECTION REPORT 05000454/2021002; 05000455/2021002; AND 07200068/2021001

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**U.S. NUCLEAR REGULATORY COMMISSION
Inspection Report**

Docket Numbers: 05000454; 05000455; 007200068

License Numbers: NPF-37 and NPF-66

Report Numbers: 05000454/2021002; 05000455/2021002; 07200068/2021001

Enterprise Identifier: I-2021-002-0068; 1-2021-001-0160

Licensee: Exelon Generation Company, LLC

Facility: Byron Station

Location: Byron, IL

Inspection Dates: April 01, 2021 to June 30, 2021

Inspectors: D. Betancourt-Roldan, Senior Resident Inspector
J. Dalzell, Project Engineer
C. Thompson, Illinois Emergency Management Agency
J. Weigandt, Resident Inspector

Approved By: Hironori Peterson, Chief
Branch 3
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 Byron 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

None.

PLANT STATUS

Unit 1 began the inspection period operating at full power. With the exception of minor reductions in power to support scheduled testing activities or small load changes requested by the transmission dispatcher, the unit remained at or near full power for the entire inspection period.

Unit 2 began the inspection period operating at full power. With the exception of minor reductions in power to support scheduled testing activities or small load changes requested by the transmission dispatcher, the unit remained at or near full power for the entire 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 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.

Starting on March 20, 2020, in response to the National Emergency declared by the President of the United States on the public health risks of the coronavirus (COVID-19), resident and regional inspectors were directed to begin telework and to remotely access licensee information using available technology. During this time, the resident inspectors performed periodic site visits each week, increasing the amount of time on site as local COVID-19 conditions permitted. As part of their onsite activities, resident inspectors conducted plant status activities as described in IMC 2515, Appendix D; observed risk significant activities; and completed on site portions of IPs. In addition, resident and regional baseline inspections were evaluated to determine if all or a portion of the objectives and requirements stated in the IP could be performed remotely. If the inspections could be performed remotely, they were conducted per the applicable IP. In some cases, portions of an IP were completed remotely and on site. The inspections documented below met the objectives and requirements for completion of the IP.

REACTOR SAFETY

71111.01 - Adverse Weather Protection

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

- (1) The inspectors evaluated summer readiness of offsite and alternate alternating current (AC) power systems April 19 through June 1, 2021.

71111.04 - Equipment Alignment

Partial Walkdown Sample (IP Section 03.01) (5 Samples)

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

- (1) Unit 1 'A' Auxiliary Feedwater (AF) during 'B' battery issue on April 24, 2021
- (2) 2A Emergency Diesel Generator (EDG) during Station Auxiliary Transformer (SAT) window on May 5, 2021
- (3) Fire Protection System Train A while the 'B' Fire Pump was out of service on May 15, 2021
- (4) Unit 1 Instrument Power and 125 Volt Direct Current (DC) during 1B Diesel Generator (DG) outage on June 16, 2021
- (5) Diesel fuel oil during 2B EDG monthly test and after fuel oil transfer tests on June 27, 2021

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

- (1) The inspectors evaluated system configurations during a complete walkdown of the Unit 2 AF begun during the first quarter 2021 inspection period and completed on May 14, 2021.

71111.05 - Fire Protection

Fire Area Walkdown and Inspection Sample (IP Section 03.01) (5 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) 8.31 Northeast: Turbine Building 401' Elevation on April 7, 2021
- (2) FZs 3.2A/B/C/D/E-1 PFPs: Unit 1 Lower Cable Spreading Rooms on April 30, 2021
- (3) FZs 3.2A/B/C/D/E-2 PFPs: Unit 2 Lower Cable Spreading Rooms on April 30, 2021
- (4) FZ 11.2-0 North/11.3-0 South: Auxiliary Building General Area 364' Elevation on May 3, 2021
- (5) FZs 18.12-0 & 18.13-0: Circulating Water Pumphouse on May 15, 2021

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) Turbine Building basement on April 16, 2021

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)

The inspectors observed and evaluated the following licensed operator activities in the control room:

- (1) Various activities involving on-watch operations crews. These activities included, but were not limited to:
 - Unit 1 downpower 100MWe for Advanced Nuclear Dispatch on April 9, 2021
 - Dilution on Unit 1 on June 1, 2021

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) Maintenance effectiveness and performance review of the pressurizer heaters on April 21, 2021
- (2) Maintenance effectiveness and performance review of the Technical Support Center (TSC) ventilation on June 14, 2021

71111.13 - Maintenance Risk Assessments and Emergent Work Control

Risk Assessment and Management Sample (IP Section 03.01) (4 Samples)

The inspectors evaluated the accuracy and completeness of risk assessments for the following planned and emergent work activities to ensure configuration changes and appropriate work controls were addressed:

- (1) Unit 2 'B' Component Cooling Pump as set forth in Work Order (WO) 5006411 on April 17, 2021
- (2) Evaluation of the scheduled Risk Informed Completion Time (RICT) window SAT outage on May 3, 2021
- (3) 2A EDG work window as set forth in WO 5063615 and Engineering Change (EC) 632199 on June 2, 2021
- (4) 1B EDG work window on June 14, 2021

71111.15 - Operability Determinations and Functionality Assessments

Operability Determination or Functionality Assessment (IP Section 03.01) (5 Samples)

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

- (1) NRC Information Notice 2017-06 evaluation as documented in Action Request (AR) 04415085 on April 9, 2021
- (2) Evaluation of the operability of a lube oil leak on the 1A AF pump as documented in AR 04417861 on April 20, 2021
- (3) Evaluation of the operability of 1HK-AF031A flow control POT needs adjustment as documented in AR 4418342 on April 22, 2021
- (4) Evaluation of the operability of the 1A EDG manually secured due to exhaust leak as documented in AR 04419745 on April 28, 2021
- (5) Evaluation of the operability of 1SX68AB-1.5 pinhole leak (OP 2021-001) on May 3, 2021

71111.19 - Post-Maintenance Testing

Post-Maintenance Test Sample (IP Section 03.01) (3 Samples)

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

- (1) 2BOSR 8.6.1-2, 2BHSSR 8.4.2-2, and MA-BY-223.053: DC 211 Charger and Battery return to service after inspection as set forth in WOs 5136320, 4966367, and 4945435 respectively, on April 10, 2021
- (2) Unit 2 'B' CC Pump as set forth in WOs 5006411 and 5110415 on April 17, 2021
- (3) 1BOSR 5.5.8.SI.5-2A 1B Safety Injection (SI) Inservice Test (IST) Group A Pump Test as set forth in WO 5126604 on May 13, 2021

71111.22 - Surveillance Testing

The inspectors evaluated the following surveillance tests:

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

- (1) 2B DG Semiannual Run as set forth in WO 05086672 on April 20, 2021
- (2) Unit 2 Engineered Safety Feature (ESF) K602 Relay Test as set forth in WO 4918193 on April 24, 2021
- (3) 1A DG Testing on April 30, 2021

Inservice Testing (IP Section 03.01) (1 Sample)

- (1) 2BOSR 5.5.8.SI.5-2a, Group A IST Requirements for SI Pump 2SI01PB as set forth in WO 5118448 on April 17, 2021

OTHER ACTIVITIES – BASELINE

71151 - Performance Indicator Verification

The inspectors verified licensee performance indicators submittals listed below:

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

- (1) Unit 1 (April 1, 2020 – March 31, 2021)
- (2) Unit 2 (April 1, 2020 – March 31, 2021)

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

- (1) Unit 1 (April 1, 2020 – March 31, 2021)
- (2) Unit 2 (April 1, 2020 – March 31, 2021)

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

- (1) Unit 1 (April 1, 2020 – March 31, 2021)
- (2) Unit 2 (April 1, 2020 – March 31, 2021)

71152 - Problem Identification and Resolution

Annual Follow-up of Selected Issues (IP Section 02.03) (1 Sample)

The inspectors reviewed the licensee's implementation of its Corrective Action Program (CAP) related to the following issues:

- (1) Unit 1 AF Discharge Valve Hand Controller Settings as noted in CAPs 4418342, 4418342, and 4430576

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

Reporting (IP Section 03.05) (3 Samples)

- (1) Evaluated reportability of loss of TSC Heating, Ventilation and Air Conditioning compressors as documented in ARs 4421161 & 4427773 for the week ending June 19, 2021
- (2) Evaluated the reportability of Unit 1 Containment Ventilation Isolation as documented in AR 4430194 on June 18, 2021
- (3) Evaluated reportability of loss of Unit 2 annunciators as documented in AR 4429603 on June 16, 2021

OTHER ACTIVITIES – TEMPORARY INSTRUCTIONS, INFREQUENT AND ABNORMAL

60855 - Operation of an Independent Spent Fuel Storage Installation

The inspectors evaluated the licensee's independent spent fuel storage installation (ISFSI) cask loading activities on March 29 through April 2, 2021. Specifically, the inspectors observed the following activities:

- Heavy lifts of the loaded transfer cask from the wet pit to the cask processing area
- Lid-to-shell root pass welding
- Canister processing including forced helium dehydration
- Closure ring welding and non-destructive weld evaluations
- Stack-up and download of the Multi-Purpose Canister (MPC) from the HI-TRAC into the storage cask (HI-STORM) and
- Radiological field surveys

The inspectors performed walkdowns of the ISFSI pad, including independent radiation surveys, and walkdowns of the ISFSI haul path and vertical cask transporter.

The inspectors evaluated the following:

- Spent fuel selection for the cask for this loading campaign
- Selected CAPs action requests
- Selected 72.48 screenings and evaluations

INSPECTION RESULTS

Observation: Unit 1 Auxiliary Feedwater Discharge Valve Hand Controller Settings	71152
<p>On April 19, 2021, while performing a control room panel walkdown the inspectors noted that the AF discharge flow control valve hand controller (HK) meter indications and the potentiometer settings did not match each other. The inspectors noted that the HK's meters indicated 70 percent +/- 2 percent while the potentiometer settings appeared to vary between 6.8 and 7.1. Upon identification, the inspectors questioned the operators on shift of the condition. The operators then entered the condition into the Corrective Action Program as CAPs 4418342 and 4418343 for 1HK-AF0031A and 38A, 1A & 1D AF to Steam Generator Setpoint Stations being set above 6.8.</p> <p>To further evaluate the condition the inspectors proceeded to review the related reference documents and noted that the HKs' setpoint should be 6.8 for 1AF005A/B/C/D/E/F/G/H, <i>AF Discharge Flow Control Air Operated Valves</i> to yield 170 gpm. Additionally, 1BOL 7.g, <i>AF Flow Control Valves</i>, included direction in part to apply Technical Requirement Manual (TRM) 3.7.g condition C, which states in part that:</p> <p>Condition C: "One or more AF Flow Control Valve(s) not capable of throttling flow as assumed in the safety analysis for Steam Generator Tube Rupture Margin to Overfill event. (Note 2) C.1 Restore AF Flow Control Valve(s) to OPERABLE status. 30 days."</p> <p>Note 2: "Condition C is applicable for any AF flow control valve that's flow control pot</p>	

(1HK-AF031-38A) is adjusted to a setpoint **above** that specified within 1BGP 100-1A or is incapable of being throttled to control flow at or below the value specified within Design Analysis for Steam Generator Tube Rupture Margin to Overfill, CN-CRA-07-47 Revision 4. (Pot Setpoint of 6.8 – 170 gpm).”

The inspectors reviewed the observation’s related response in the CAP products. According to the CAP notes, output voltage checks were performed and verified that the current setting would result in the desired voltage and flow. Additionally, it was reported that the meters may vary due to not being calibrated at a specific frequency. From their review the inspectors questioned why the TRM condition was not entered upon discovery as the condition appeared to be met. The inspectors identified that this failure to follow the 1BOL 7.g requirements was a performance deficiency. The deficiency was determined to be of minor significance since the output voltage was verified to result in the desired flow of 170 gpm. Corrective actions planned by the licensee included revising operating procedures to provide guidance on when to enter the TRM action.

EXIT MEETINGS AND DEBRIEFS

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

- On July 12, 2021, the inspectors presented the integrated inspection results to Mr. J. Kowalski, Site Vice President, and other members of the licensee staff.
- On April 7, 2021, the inspectors presented the Independent Spent Fuel Storage Installation inspection results to Mr. H. Welt, Plant Manager, and other members of the licensee staff.

DOCUMENTS REVIEWED

Inspection Procedure	Type	Designation	Description or Title	Revision or Date	
60855	Calculations	HI-2146074	Thermal Evaluation of the HI-TRAC in the Decon Pit at Byron/Braidwood	4	
	Corrective Action Documents		Corrective Action Reports from March 2018 through April 2021	03/01/2018 – 04/30/2021	
	Corrective Action Documents Resulting from Inspection	AR 04413082	NRC ID - Improper Work Order Closure	03/31/2021	
	Engineering Changes	72.48 Screening No. 72.48-102		Corrected 72.48 for Dry Cask License Upgrade 72.48-102	1
		72.48 Screening No. 72.48-168		HI-TRAC Movement Within the Fuel Building	0
		72.48 Screening No. 72.48-170		DCR to Incorporate Revision to Analysis No. BYR13-063 for Replacement Nylatron	0
		72.48 Screening No. 72.48-174		EC 621659/BFP FH-69/BFP FH-70/BFP FH-82/BFP FH-83/OU-MW-671-300/OU-MW-671-F-01/BYNPS 72.212 Evaluation Report Change Request 06-06	0
		72.48 Screening No. 72.48-177		Holtec Supplier Manufacturing Deviation Report (SMDR) No. 1024-2687 Review	0
		72.48 Screening No. 72.48-179		Replace 3" HI-STORM Lift Bracket Strongback Spacers (for Ancillary #107)	0
		72.48 Screening No. 72.48-182		ISFSI Pad/CTOZ Joint Surface Alternate Detail Repair Method	0
		72.48 Screening No. 72.48-191		HI-TRAC Movement Within the Fuel Building	0
		72.48 Screening No. 72.48-192		Analysis No. HI-2146074, Revision 4 - Site-Specific Thermal Analysis	0
		72.48 Screening No. 72.48-197		Holtec Supplier Manufacturing Deviation Report (SMDR) Affecting HI-STORM Serial No. 1118	1
		72.48 Screening No. 72.48-200		HI-TRAC Loading Operations	26
72.48 Screening		Approve Use of Nylon-Insert Locknut on HI-TRAC Lift Yoke	0		

Inspection Procedure	Type	Designation	Description or Title	Revision or Date		
		No. 72.48-202	Spacer Pins			
		72.48 Screening No. 72.48-207	Gouge on MPC Lid of MPC Serial No. 32-502	0		
		72.48 Screening No. 72.48-209	Spent Fuel Cask Site Transportation	24		
		72.48 Screening No. 72.48-217	Supplier Manufacturing Deviation Report No. 1024-1831 Revision 1	0		
		EC0000628809	Replace Existing FH Building Overhead Crane SD-41 Weigh System Controller with a Model SD-50 Controller	2		
	Miscellaneous			LMS Qual Matrix Report	01/05/2021	
				Physical Inventory of Byron ISFSI MPC-32-0644	03/29/2021	
		72.212 Change Request No. 07-02		72.212 Evaluation Change Request	03/04/2019	
		72.212 Change Request No. 08-01		72.212 Evaluation Change Request	06/14/2020	
		72.212 Change Request No. 08-02		72.212 Evaluation Change Request	06/12/2020	
		BYR11-182		Byron Cask Loader Database Cask Model and Limits Update for 2012 ISFSI Campaign	0	
		BYR19-006		Byron Cask Model Update for 2019 ISFSI Campaign - ISFSI	0	
		BYR20-018		Fuel Selection Package and Alternate List for the Byron 2021 ISFSI Campaign	0	
		CC-AA-501-1020		Contractor Welding Review	01/28/2021	
		NCR 0832-51		Non-Conformance Report for Pool Lid	0	
		RRTI-2730-002		Response to Request for Technical Information for Gouge in MPC-32 S/N 502	0	
		NDE Reports	Report No. 914667-644-01 through 914667-644-04		Report of Non-Destructive Examination Lid-to-Shell Weld	03/30/2021
			Report No.		Report of Non-Destructive Examination Closure Welding	03/31/2021

Inspection Procedure	Type	Designation	Description or Title	Revision or Date	
		914667-644-05 through 914667-644-07			
		WO # 04963593-19	Helium Leak Test Report	03/31/2021	
	Radiation Surveys			2018 Annual Radiological Environmental Operating Report	04/18/2019
				2018 Annual Radioactive Effluent Release Report	04/18/2019
		RP-AA-307		Braidwood and Byron ISFSI Radiation Survey	04/01/2021
		Survey Map # 292		ISFSI Pad Radiation Surveys 2018-2021	03/05/2021
	Radiation Work Permits (RWPs)	RP-AA-401		Dry Cask Storage ALARA Plan	01/25/2021
	Self-Assessments	NOSA-BYR-20-10		Independent Spent Fuel Storage Installation Audit Report	10/07/2020
		PI-AA-126-1001-F-01		BYRON Spent Fuel Loading Campaign (SFLC) Readiness Assessment	01/22/2021
	Work Orders	PMID/RQ 00191464-01		ISFSI Pad Structural Inspection (5 Years)	10/13/2020
		WO04874413-01		LR-FHB- Overhead Bridge Crane Mech Inspection	01/06/2020
		WO04884074-01		EWP EM Crane Inspection (Fuel Handling Bldg) - 0HC03G	01/06/2020
		WO04963593		RXS Perform Special Lifting Device INSP/TEST per BHP FH-85	12/09/2020
		WO04982062-01		EWP MM:0FH05G INSP Spent Fuel Pit/HNDLNG Machine (LR)	11/23/2020
	71111.01	Procedures	EN-AA-402-0005	Extreme Heat Implementation	3
EN-BY-402-0005			Extreme Heat Implementation	6	
71111.04	Corrective Action Documents Resulting from Inspection	4418342	1HK-AF036A AF Flow Control POT Needs Adjustment	04/22/2021	
		4418343	1HK-AF031A AF Flow Control POT Needs Adjustment	04/22/2021	
	Drawings	M-52 sh. 5	Diagram of Fire Protection at Circulating Water Pumphouse	AL	
	Procedures	1BGP 100-1A1	Controller Setpoints 1PM06J	10	
		BOP AF-E1A	Auxiliary Feedwater Train "A" Electrical Lineup	1	
		BOP AF-M1A	Auxiliary Feedwater Train "A" Valve Lineup	7	
		BOP DC-E1	DC Battery & Distribution Center Electrical Lineup	13	
		BOP FP-M1	Fire Protection System Valve Lineup	49	

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
		BOP IP-1	Instrument Bus Inverter Startup	22
		BOP IP-1E	Instrument Power Electrical Lineup	9
71111.05	Corrective Action Documents Resulting from Inspection	4420437	NRC Identified: LCSR Housekeeping	04/30/2021
		4420499	NRC Identified: 0DSD401 Door Closer Not Attached	04/30/2021
		4420500	NRC Identified: LCSR Housekeeping Items	04/30/2021
		4423478	NRC Identified: Condition Noted in U1 LCSR Area	05/13/2021
		4427381	NRC Identified: Gasket on 0DSD408 Degraded	06/03/2021
	Fire Plans	PFB TB FZ 8.3-1	Turbine Building 401'-0" ELEV, Unit 1 Turbine Building NE	3
		PFP FZ 11.3-0 North	Auxiliary Building 364' 0" Elev General Area - North	4
		PFP FZ 11.3-0 South	Auxiliary Building 364' 0" Elev General Area South	4
		PFP FZ 18.12-0 AND FZ 18.13-0	Circulating Water Pump House / 0B Fire Pump Room	3
		PFP FZ 3.2-0	U2 Auxiliary BLDG 439'-0" Elevation, Cable Spreading Room	3
		PFP FZ 3.2A-1	U1 Auxiliary Building 439'-0" Elevation, Lower Cable Spreading Room	2
		PFP FZ 3.2B-1	U1 Auxiliary Building 439'-0" Elevation, Lower Cable Spreading Room	2
		PFP FZ 3.2B-2	U2 Auxiliary Building 439'-0" Elevation, Lower Cable Spreading Room	2
		PFP FZ 3.2C-1	U1 Auxiliary Building 439'-0" Elevation, Lower Cable Spreading Room	2
		PFP FZ 3.2C-2	U2 Auxiliary Building 439'-0" Elevation, Lower Cable Spreading Room	1
		PFP FZ 3.2D-1	U1 Auxiliary Building 439'-0" Elevation, Lower Cable Spreading Room	2
		PFP FZ 3.2D-2	U2 Auxiliary Building 439'-0" Elevation, Lower Cable Spreading Room	1
		PFP FZ 3.2E-1	Auxiliary BLDG 439'-0" Elev. Unit 1 Division 11 Cable Riser, LCSR	2
		PFP FZ 3.2E-2	Auxiliary BLDG 439'-0" Elev. Unit 2 Cable Riser	2
		PFP FZ3.2A-2	U2 Auxiliary Building 439'-0" Elevation, Lower Cable Spreading Room	2

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
71111.06	Engineering Evaluations	BB-AA-PRA-012	Braidwood/Byron Flood Scenarios	9
71111.12	Corrective Action Documents	04308126	TSC Compressor 1 Tripped High Refrigerant Pressure	01/05/2020
		04327769	IST Stroke Time Failure	04/17/2020
		04327798	Pzr Heater Ground Alarm Group A Backup Heater	03/19/2020
		04347948	TSC Condensing Unit Trouble	06/04/2020
		04366934	U-1 Pressurizer Pressure Control Not Responding Normally	09/02/2020
71111.13	Corrective Action Documents Resulting from Inspection	4416548	NRC Identified: Discovered an Employees Badge was Worn Off	04/14/2021
		4423122	PM 4KV Cubicle Inspection and Tagout Procedure Enhancement	05/12/2021
	Miscellaneous Procedures		RICT Package	0
	2BOA ELEC-5	Local Emergency Control of Safe Shutdown Equipment Unit 2	108	
		OP-AA-108-117	Protected Equipment Program	6
		OP-BY-108-117-1000	Byron Protected Equipment Program	16
	Work Orders	5006411	(Sample/Change) Component Cooling Pump 2B	04/15/2021
71111.15	Corrective Action Documents	04417861	Review UT Inspection of 1A01PA Pump Lube Oil Piping	04/20/2021
		4415085	NRC DBAI: NRC information Notice 2017-06 Evaluation	04/08/2021
		4419745	1A DG Manually Secured Due to Exhaust Leak	04/28/2021
	Corrective Action Documents Resulting from Inspection	04418342	1HK-AF036A, AF Flow Control POT Needs Adjustment	04/22/2021
		4418343	1HK-AF031A, AF Flow Control POT Needs Adjustment	04/22/2021
71111.19	Corrective Action Documents Resulting from Inspection	4425509	NRC Identified: Erroneous ASME Vibration Data	05/25/2021
	Procedures	2BHSR 8.4.2-2	Unit 2 Bus 212 125V Battery Charger Operability	1
		2BOSR 8.6.1-2	125V DC ESF Battery Bank and Charger 212 Operability Monthly Surveillance (CM-3)	23
		HU-AA-104-101	Procedure Use and Adherence	7
		MA-BY-723-053	Station Battery Charger 18 Month Surveillance	19

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
	Work Orders	4945435	Clean Battery Charger and Check Connections	04/12/2021
		4966367	212 "B" Train 125V Battery Charger Operability Test	04/12/2021
		5006411	(Sample/Change) Component Cooling Pump 2B	04/15/2021
		5110415	(NEIL)- 2CC01PB Comp IST RQMTS for Residual CC Pump	04/15/2021
		5126604	1BOSR 5.5.8.SI.5-2A 1B SI IST Group A Pump Test	05/13/2021
		5136320	2BOSR 8.6.1-2, 125V Battery & Charger 212 Operability	04/12/2021
71111.22	Corrective Action Documents Resulting from Inspection	4416813	NRC IDENTIFIED: Residual Boric Acid Leak in Area 7	04/15/2021
	Procedures	1BOSR 3.2.8-602B	Unit One ESFAS Instrumentation Slave Relay Surveillance (Train B Automatic Safety Injection and RWST LO-2 Level - K602, K647, K648)	9
	Work Orders	05086672	2B Diesel Generator Operability Run and Semiannual Surveillance	04/19/2021
		4918193	Slave Relay Trn B SI-K602, 647/VA, VC, CV, SI (WK D)	04/21/2021
		5118448	(NEIL) - 2SI01PB Group A IST Requirements for Safety Injection	04/15/2021
71151	Miscellaneous		Operations Logs for Selected MSPI	04/01/2020 – 03/31/2021
	Procedures	BY-MSPI-001	Reactor Oversight Program MSPI Basis Document	01/30/2020
71152	Corrective Action Documents Resulting from Inspection	4416842	NRC Question on DC 211 Ground Status	04/15/2021
		4417638	0FP176A Packing Leak	04/19/2021
		4423476	NRC Identified: 1B SI Pump Window Tags-Plus	05/13/2021
		4430576	NRC Identified: 1HK-AF038A has 3% and 5% Indicator Offset	06/21/2021
		4430638	NRC Identified: Sign Offs Missing in 1AF-018 Loop Cal Package	06/21/2021
	Drawings	M-2037 sh. 1	P&ID/C&I Diagrams Auxiliary Feedwater System-AF	P
	Miscellaneous	1AF-018	Auxiliary Feedwater to Steam Generator 1D Flow Control Loop (AF) (Train B) - Test Report Package (TRP)	9
	Procedures	1BOL 7.g	LCOAR Auxiliary Feedwater (AF) Flow Control Valves	1
BISR 3.4.2-200		Surveillance Calibration of Aux Feedwater to Steam Generators A, B, C, and D Flow Control Loops	17	

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
	Work Orders	4965532	Calibrate Electronic Portion of AF Loop	05/21/2021
71153	Corrective Action Documents	4421161	TSC Condensing Unit 0VV30C - Compressor 2 Trouble	05/03/2021
		4427773	0VV30C Comp 1 Trouble	06/06/2021
		4429603	Annunciator System Trouble	06/16/2021
		4430194	1AR12J Spiked into High Alarm	06/18/2021
		4430661	TSC Condensing Unit 0VV30C - Compressors Tripped	06/21/2021
	Procedures	2BOA ELEC-7	Loss of Annunciators	5
		2BOSR AN-SA1	Annunciator System Input Isolator Circuit Operability Semiannual Surveillance	4
		BAR 2-4-E7	AN SYS Field Contactor Pwr Trouble	4
		EP-AA-120-1006	EP Reportability - Loss of Emergency Preparedness Capabilities	6
		LS-AA-1110	Safety (SAF) Reportability Manual	31