



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**
REGION II
245 PEACHTREE CENTER AVENUE N.E., SUITE 1200
ATLANTA, GEORGIA 30303-1200

February 4, 2022

Ms. Cheryl A. Gayheart
Regulatory Affairs Director
Southern Nuclear Operating Company, INC.
3535 Colonnade Parkway
Birmingham, AL 35243

SUBJECT: EDWIN I. HATCH – INTEGRATED INSPECTION REPORT 05000321/2021004
AND 05000366/2021004

Dear Ms. Gayheart:

On December 31, 2021, the U.S. Nuclear Regulatory Commission (NRC) completed an inspection at Edwin I. Hatch. On January 21, 2022, the NRC inspectors discussed the results of this inspection with Sonny Dean 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,

Alan J. Blamey, Chief
Reactor Projects Branch 2
Division of Reactor Projects

Docket Nos. 05000321 and 05000366
License Nos. DPR-57 and NPF-5

Enclosure:
As stated

cc w/ encl: Distribution via LISTSERV®

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

Docket Numbers: 05000321 and 05000366

License Numbers: DPR-57 and NPF-5

Report Numbers: 05000321/2021004 and 05000366/2021004

Enterprise Identifier: I-2021-004-0008

Licensee: Southern Nuclear Operating Company, INC.

Facility: Edwin I. Hatch

Location: Baxley, GA

Inspection Dates: October 1, 2021 to December 31, 2021

Inspectors: B. Caballero, Senior Operations Engineer
C. Fontana, Emergency Preparedness Inspector
J. Hickman, Resident Inspector
S. Sanchez, Senior Emergency Preparedness Insp
R. Smith, Senior Resident Inspector
J. Walker, Emergency Response Inspector

Approved By: Alan J. Blamey, Chief
Reactor Projects Branch 2
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 Edwin I. Hatch, 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
LER	05000321/2021003-00	LER 2021-003-00 for Edwin I. Hatch Nuclear Plant, Unit 1, High Pressure Coolant Injection System Discharge Valve Failure to Open	71153	Closed

PLANT STATUS

Unit 1 began the inspection period at 100 percent rated thermal power (RTP). On October 10, 2021, the unit was down powered to 77 percent RTP to perform a rod pattern adjustment, the unit was returned to 100 percent RTP on the same day. On October 23, 2021, the unit was down powered to 96 percent RTP to perform a rod pattern adjustment, the unit was returned to 100 percent RTP on the same day. On November 6, 2021, the unit was down powered to 77 percent RTP to perform a rod pattern adjustment, the unit was returned to 100 percent RTP on the same day. On November 20, 2021, the unit was down powered to 87 percent RTP to perform a rod pattern adjustment, the unit was returned to 100 percent RTP on November 21, 2021. On December 4, 2021, the unit was down powered to 75 percent RTP to perform a rod pattern adjustment, the unit was returned to 100 percent RTP on December 5, 2021. On December 21, 2021, the unit reached maximum core flow and began the coast down in power for the 2021, spring refueling outage. On December 29, 2021, the unit was manually scrammed due to pressure oscillations caused by a failed pressure transmitter. The unit remained shut down for the remainder of the inspection period.

Unit 2 began the inspection period at 100 percent RTP. On November 30, 2021, the unit was down powered to 96 percent RTP to perform control rod drive, hydraulic control unit maintenance, the unit was returned to 100 percent RTP the same day. On December 10, 2021, the unit was down powered to 30 percent RTP to perform repairs to 2A adjustable speed drive (ASD), after repairs were completed the unit was returned to 100 percent RTP on December 15, 2021. The unit operated there for the remainder of the inspection period.

INSPECTION SCOPES

Inspections were conducted using the appropriate portions of the inspection procedures (IPs) in effect at the beginning of the inspection unless otherwise noted. Currently approved IPs with their attached revision histories are located on the public website at <http://www.nrc.gov/reading-rm/doc-collections/insp-manual/inspection-procedure/index.html>. Samples were declared complete when the IP requirements most appropriate to the inspection activity were met consistent with Inspection Manual Chapter (IMC) 2515, "Light-Water Reactor Inspection Program - Operations Phase." The inspectors performed activities described in IMC 2515, Appendix D, "Plant Status," conducted routine reviews using IP 71152, "Problem Identification and Resolution," observed risk significant activities, and completed on-site portions of IPs. The inspectors reviewed selected procedures and records, observed activities, and interviewed personnel to assess licensee performance and compliance with Commission rules and regulations, license conditions, site procedures, and standards.

REACTOR SAFETY

71111.01 - Adverse Weather Protection

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

- (1) The inspectors evaluated readiness for seasonal extreme weather conditions prior to the onset of below freezing temperatures for the following systems on November 24, 2021:
 1. Plant Service Water (PSW)
 2. Residual Heat Removal Service Water (RHRSW)
 3. Emergency Diesel Generators (EDGs)

4. Temporary Diesel Fire Pump

71111.04 - Equipment Alignment

Partial Walkdown Sample (IP Section 03.01) (2 Samples)

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

- (1) Alignment of the Unit 1 residual heat removal (RHR) system 'B' and 'D' pumps during maintenance outage of loop 'A' RHR system, using 34SO-E11-010-1, "Residual Heat Removal System," Version 46.0, on October 7, 2021.
- (2) Alignment of the Unit 1 reactor core isolation cooling (RCIC) system during maintenance outage of the high pressure coolant injection (HPCI) system, using 34SO-E51-001-1, "Reactor Core Isolation Cooling (RCIC) System," Version 30.4, on October 20, 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) Unit 1 and Unit 2 refueling floor 228' elevation on October 6, 2021.
- (2) Unit 1 and Unit 2 control building 180' elevation on October 8, 2021.
- (3) Unit 1 reactor building 185' elevation on October 12, 2021.
- (4) Unit 2 reactor building 130' elevation on October 15, 2021.
- (5) Unit 1 reactor building 203' elevation on November 22, 2021.

71111.11A - Licensed Operator Requalification Program and Licensed Operator Performance

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

- (1) On November 23, 2021, the licensee completed the annual requalification operating tests and biennial written examinations required to be administered to all licensed operators in accordance with Title 10 of the *Code of Federal Regulations* 55.59(a)(2), "Requalification Requirements," of the NRC's "Operator's Licenses." During the week of December 6, 2021, the inspector performed an in-office review of the overall pass/fail results of the individual operating examinations and the crew simulator operating examinations in accordance with Inspection Procedure (IP) 71111.11, "Licensed Operator Requalification Program." These results were compared to the thresholds established in Section 3.02, "Requalification Examination Results of IP 71111.11.

The inspectors reviewed and evaluated the licensed operator examination failure rates for the requalification annual operating tests and the biennial written examinations, which the licensee completed administering on November 23, 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)

- (1) The inspectors observed and evaluated licensed operator performance in the Control Room during the pressurizing of the Unit 1 HPCI system steam piping, the HPCI maintenance run following electronic governor adjustment and valve maintenance, the operating of both loops of RHR and RHRSW in suppression pool cooling and emergency shutdown of HPCI turbine due to a leak from the main pump's mechanical seal spraying in the HPCI room, on October 21, 2021.

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

- (1) The inspectors observed and evaluated License Operator Requalification Program (LORP) Scenario H-LTC-SE-00183, "RCIC Torus Sensor/Lost of All ISO Phase Cooling/Recirculation Master Push Buttons Failure/LLS SRV Fails Open/LOSP with EDGs Failing to Start/Loss RCIC Suction/ 2A EDG Restoration," for two teams during annual simulator evaluations on October 5, 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) Review of the Unit 1 and 2 process radiation monitoring system D11 for functional failures on November 2, 2021.
- (2) Review of the Unit 1 and 2 direct current (DC) system R42 for functional failures on November 9, 2021.

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) Unit 2 "A" emergency diesel generator during a system outage, on December 8, 2021.

71111.13 - Maintenance Risk Assessments and Emergent Work Control

Risk Assessment and Management Sample (IP Section 03.01) (5 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 elevated risk due to the failure of the '2A' EDG output breaker to close during

- testing resulted in an inoperable 2A EDG, on October 4, 2021.
- (2) Unit 1 elevated risk due to the RHR and RHRSW division '1' system outage, on October 7, 2021.
 - (3) Unit 1 elevated risk due to the HPCI system outage, on October 19, 2021.
 - (4) Unit 2 elevated risk due to the RHR and RHRSW division '1' system outage, October 26, 2021.
 - (5) Unit 2 elevated risk due to "A" adjustable speed drive repair and single loop operations, on December 12, 2021.

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) CR10832023, Unit '2A' EDG output breaker failed to close during monthly operability surveillance on October 4, 2021.
- (2) CR10836527, Unit 1 HPCI oil leaking from hydraulic manual turbine trip and reset button and from turbine driven shaft on October 23, 2021.
- (3) CR10846881, Unit 1 'D' residual heat removal service water pump missing seismic restraint on December 14, 2021.

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) Temporary modification to install a temporary diesel driven fire pump due to the failure of the installed diesel driven fire pump. A new diesel driven fire pump is being procured for installation.

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) Per Unit 2, 34SV-R43-001-2, "Diesel Generator 2A Monthly Test," Version 30.1, following replacement of damaged cable for synchro switch on October 5, 2021.
- (2) Per Unit 1, 34SV-T48-001-2, Unit 2, "Reactor Building To Suppression Chamber Vacuum Relief System Operability," Version 4.13, following the adjustment of a valve's limit switches after failure on the initial operability test on October 17, 2021.
- (3) Per Unit 1, 34SV-E41-002-1, "HPCI Pump Operability," Version 33.2, following the main pumps inboard mechanical seal replacement, on October 25, 2021.

71111.20 - Refueling and Other Outage Activities

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

- (1) The inspectors evaluated the licensee's response to a Unit 1 forced outage that was initiated by licensed operators inserting a manual scram due to unexpected main steam line pressure oscillations. This inspection will be completed in the first quarter of 2022.

71111.22 - Surveillance Testing

The inspectors evaluated the following surveillance tests:

Surveillance Tests (other) (IP Section 03.01) (2 Samples)

- (1) 34SV-E51-002-1, "RCIC Pump Operability," Version 29.2, on October 14, 2021.
- (2) 34SV-R43-004-2, "Diesel Generator 2A Fast Start Test," Version 18.4, on December 9, 2021.

71114.01 - Exercise Evaluation

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

- (1) The inspectors evaluated the biennial emergency plan exercise during the week of November 1, 2021. The exercise scenario simulated a tornado strike in the electrical switchyard, which caused the plant to experience cascading failures (e.g., the swing emergency diesel generator (1B EDG) failed to start & the 2A EDG started but the breaker failed to close), culminating in a loss of offsite power on Unit 2 and meeting the conditions for declaration of an Alert. A short time later, the 2C EDG began to experience increased vibrations to the point of catastrophic failure, meeting the conditions for declaration of a Site Area Emergency. Lastly, since restoration of at least one alternating current (AC) emergency bus in less than 4 hours was not likely, the conditions for declaration of a General Emergency were met and allowed the Offsite Response Organizations to demonstrate their ability to implement emergency actions.

71114.04 - Emergency Action Level and Emergency Plan Changes

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

- (1) The inspectors evaluated submitted Emergency Action Level, Emergency Plan, and Emergency Plan Implementing Procedure changes during the week of November 1, 2021. This evaluation does not constitute NRC approval.

71114.08 - Exercise Evaluation Scenario Review

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

- (1) The inspectors reviewed and evaluated in-office, the proposed scenario for the biennial emergency plan exercise at least 30 days prior to the day of the exercise.

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 (October 1, 2020 to September 30, 2021).
- (2) Unit 2 (October 1, 2020 to September 30, 2021).

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

- (1) Unit 1 (July 1, 2020 to September 30, 2021).
- (2) Unit 2 (July 1, 2020 to September 30, 2021).

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

- (1) Unit 1 (October 1, 2020 to September 30, 2021).
- (2) Unit 2 (October 1, 2020 to September 30, 2021).

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

- (1) Unit 1 (October 1, 2020, through June 30, 2021)
Unit 2 (October 1, 2020, through June 30, 2021)

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

- (1) Unit 1 (October 1, 2020, through June 30, 2021)
Unit 2 (October 1, 2020, through June 30, 2021)

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

- (1) Unit 1 (October 1, 2020, through June 30, 2021)
Unit 2 (October 1, 2020, through June 30, 2021)

71152 - Problem Identification and Resolution (PI&R)

Semiannual Trend Review (IP Section 02.02) (1 Sample)

- (1) The inspectors reviewed the licensee's corrective action program for potential adverse trends in the recirculation system adjustable speed drives that might be indicative of a more significant safety issue.

71153 - Follow Up of Events and Notices of Enforcement Discretion

Event Follow up (IP Section 03.01) (1 Sample)

- (1) The inspectors evaluated the Unit 1 manual reactor scram due to pressure oscillations that were not initially understood and licensee's response on December 29, 2021.

Event Report (IP Section 03.02) (1 Sample)

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

- (1) LER 05000321/2021-003-00, Unit 1 High Pressure Coolant Injection Discharge Valve Failure to Open (ADAMS Accession No. ML21305A874) on September 8, 2021. The inspectors did not identify a violation of significance of NRC requirements.

INSPECTION RESULTS

No findings were identified.

EXIT MEETINGS AND DEBRIEFS

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

- On January 21, 2022, the inspectors presented the integrated inspection results to Sonny Dean and other members of the licensee staff.
- On November 5, 2021, the inspectors presented the Emergency Preparedness Exercise Inspection results to Mr. Johnny Weissinger and other members of the licensee staff.

THIRD PARTY REVIEWS

Inspectors reviewed Institute of Nuclear Power Operations reports that were issued during the inspection period.

DOCUMENTS REVIEWED

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
71111.01	Procedures	DI-OPS-36-0989	Cold Weather Checks	23.5
71111.04	Corrective Action Documents	Condition Reports	10769308, 10774508, 10788649, 10792819, 10793304, 10795659, 10795778, 10795799, 10801900, 10803349, 10805667, 10805967, 10820738, 10830455, 10834115, 10835013, 10835382	
	Drawings	H-16329	Edwin I. Hatch Nuclear Plant Unit 1 R.H.R. System P&ID SHT. 1	84.0
	Engineering Evaluations	Technical Evaluations	1090742	
	Procedures	34SO-E11-010-1	Residual Heat Removal System	46.0
		34SO-E51-001-1	Reactor Core Isolation Cooling (RCIC) System	30.4
Work Orders	Work Orders	SNC1139384, SNC1139385, SNC1139386, SNC1139387, SNC1151403, SNC834670, SNC1156676		
71111.05	Fire Plans	NMP-ES-035-019-GL02-F05	Control Building 180' Elevation	1.0
		NMP-ES-035-019-GL02-F15	U1 Reactor Building Elevation 185	1.0
		NMP-ES-035-019-GL02-F16	U1 Reactor Building Elevation 203'	1.0
		NMP-ES-035-019-GL02-F17	U1 Reactor Building 228' Elevation	1.0
		NMP-ES-035-019-GL02-F30	U2 Reactor Building 130' Elevation	1.0
		NMP-ES-035-019-GL02-F34	U2 Reactor Building 228' Elevation	1.0
71111.11Q	Miscellaneous	H-LTC-SE-00183	RCIC Torus Sensor/Lost of All ISO Phase Cooling/Recirculation Master Push Buttons Failure/LLS SRV Fails Open/LOSP with EDGs Failing to Start/Loss RCIC Suction/ 2A EDG Restoration	2.0
	Procedures	34AR-601-104-1	RX BLDG Radiation High	3.5
		34IT-E41-003-1	HPCI Turbine Speed Control Test	3.3
		34SO-E11-010-1	Residual Heat Removal System	46.0

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
		34SO-E41-001-1	High Pressure Coolant Injection (HPCI) System	30.4
71111.12	Corrective Action Documents	CAR27421		
		Condition Report	10836131	
		Condition Reports	10742767, 10746454, 10746455, 10746587, 10746587, 10754269, 10755967, 10756259, 10708894, 10762282, 10763169, 10763746, 10764477, 10764534, 10764899, 10764904, 10765291, 10765908, 10766105, 10766203, 10767110, 10767989, 10768559, 10768568, 10769438, 10770987, 10772205, 10775611, 10777072, 10777379, 10777386, 10777703, 10778060, 10778267, 10782353, 10783227, 10783410, 10783474, 10784953, 10786162, 10786170, 10788934, 10789088, 10791747, 10791864, 10791883, 10794379, 10795253, 10796308, 10798269, 10798635, 10801591, 10801675, 10801730, 10805229, 10805634, 10807197, 10807681, 10810994, 10811598, 10814502, 10822847, 10823815, 10827235, 10833430, 10835404, 10835407, 10835834	
		Condition Reports	10763791, 10764375, 10764439, 10764777, 10764897, 10766364, 10766689, 10767072, 10768369, 10770379, 10770623, 10772650, 10779185, 10781752, 10782801, 10782804, 10782942, 10784711, 10784757, 10787885, 10788025, 10792621, 10793858, 10794880, 10795256, 10795631, 10796359, 10798401, 10798733, 10798752, 10795512, 10800304, 10802048, 10803635, 10804793, 10805003, 10805154, 10805848, 10809664, 10809682, 10817359, 10817662, 10817707, 10818284, 10820706, 10826336, 10828049, 10831636, 10833253, 10833997, 10834066, 10834127, 10836894, 10837316	
Condition Reports	10763961, 10764865, 10765089, 10767162, 10767382, 10769265, 10773461, 10773650, 10775550, 10775617, 10775803, 10775821, 10775978, 10776553, 10776658, 10776775, 10776924, 10776966, 10777022, 10777160, 10777409, 10777411, 10777766, 10778086, 10778753, 10778832, 10779194, 10779535, 10780120, 10780269,			

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
			10780635, 10780814, 10782548, 10783285, 10783860, 10783920, 10783928, 10784150, 10784439, 10785988, 10786599, 10786656, 10788658, 10786659, 10788661, 10791191, 10791530, 10721198, 10792736, 10797411, 10797412, 10797471, 10798438, 10798626, 10800063, 10800939, 10803304, 10833362, 10803577, 10804432, 10805041, 10707120, 10807193, 10809097, 10810261, 10810342, 10812665, 10813709, 10815257, 10815991, 10820597, 10820599, 10820752, 10821080, 10821708, 10821715, 10823238, 10825015, 10825937, 10826100, 10827289, 10827458, 10827459, 10827758, 10828783, 10829481, 10832227, 10832481, 10833520, 10833550, 10835342, 10838121	
		Condition Reports	10763932, 10739962, 10739963, 10763964, 10765578, 10766565, 10766722, 10767288, 10767378, 10767428, 10767530, 10768867, 10769071, 10771298, 10771334, 10772085, 10772376, 10772378, 10778312, 10778534, 10778646, 10778750, 10778751, 10778752, 10778902, 10778999, 10780761, 10780764, 10780909, 10781103, 10781655, 10781998, 10782792, 10783480, 10783875, 10783923, 10783924, 10783927, 10783966, 10784098, 10784149, 10788263, 10788352, 10723318, 10793618, 10793785, 10794617, 10797034, 10797350, 10797401, 10797403, 10797404, 10797407, 10797651, 10797977, 10798081, 10799653, 10799925, 10801951, 10803421, 10804120, 10804484, 10805033, 10805037, 10805883, 10805885, 10807067, 10809996, 10810338, 10810340, 10810341, 10810374, 10811393, 10811396, 10813358, 10813773, 10814265, 10814269, 10814288, 10814988, 10814998, 10816940, 10818543, 10818831, 10819113, 10819719, 10819720, 10820222, 10822570, 10822633, 10823264, 10823267, 10823463, 10826099, 10827438, 10827440, 10827500, 10829716, 10831721, 10832006, 10832244, 10832259, 10832614, 10832845, 10832964,	

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
			10834548, 10834761	
	Miscellaneous		Maintenance Rule Expert Panel Meeting #2021-4 Agenda	10/21/2021
		10789452	Increase in U1 Drywell Floor Drain Leakage - Fault Tree	
		D11-01	Process Radiation Monitoring	08/17/2015
		D11-06	Primary Containment Gamma Radiation Monitoring (Wide Range)	08/17/2015
		D11-09	Main Stack Radiation Monitoring	08/17/2015
		D11-11	Reactor Building Vent Stack Radiation Monitoring	08/17/2015
		D11-12	Reactor Building Ventilation Radiation Monitoring	08/17/2015
		D11-13	Process Radiation Monitoring	08/17/2015
		R41-02	EDG 1E D/C Electrical Supply	08/17/2015
		R42-01	D/C Electrical - Provide Power to required 125/250 VDC Normal and Emergency Buses Within Design Limits	08/17/2015
		R42-06	Provide Adequate Power to 24/48 VDC Non-1E Loads	08/17/2015
		R42-07	Provide Sufficient Illumination to Support EOP Execution	08/17/2015
		NDE Reports	42IT-QCX-003-0, Attachment 2	Visual Inspection Record for Work Order SNC1131349
	42IT-QCX-003-0, Attachment 2		Visual Inspection Record for Work Order SNC836047	12/06/2021
	42IT-QCX-003-0, Attachment 2		Visual Inspection Record for Work Order SNC842216	12/06/2021
	Procedures	34AB-R42-001-0	Location of Grounds	1.3
		34SO-D11-001-2	Fission Product Monitoring System	2.3
		34SV-SUV-019-2	Surveillance Checks	41.29
		42IT-QCX-003-0	Passive Components Inspection Activities: Visual Inspection	2.4
		52CM-MME-066-0	Gate Valve Maintenance	9.6
		52PM-R43-001-0	Diesel Engine Major Inspection	8.8
		52SVR43-001-0	Diesel, Alternator, and Accessories Inspection	31.21
		62CI-OCB-008-0	Plant Service Water Radiation Monitors	8.4
	NMP-ES-027	Maintenance Rule Program	10.4	
	Work Orders	SNC842216	Perform Applicable Sections of 52SV-R43-001-0 For 2A EDG	12/08/2021
		SNC842216	Diesel Engine Major Inspection For 2A EDG	12/08/2021

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
		Work Orders	SNC1133551, 1140533, 1135802, 1136345, 1137426, 1137696, 1140235,	
71111.13	Corrective Action Documents	Conditions Report	10832023	10/04/2021
	Miscellaneous		Current Risk Summary Report for Unit 2	10/26/2021
			Current Risk Summary Report for Unit 2	12/11/2021
			Current Risk Summary Report for Unit 2	10/07/2021
			Current Risk Summary Report for Unit 1	10/07/2021
			Current Rick Summary Report for Unit 1	10/19/2021
			Current Rick Summary Report for Unit 1	10/21/2021
			Current Rick Summary Report for Unit 1	10/06/2021
			Current Rick Summary Report for Unit 2	10/04/2021
		H-LOCT Guide#: 21-032A	Just In Time Training: Unit 2 Single Recirculation Loop Operations	11/15/2021
		Hatch U1 R8 On-Line Configuration Risk Monitor		10/21/2021
	NMP-RE-008-F01	Detailed Reactivity Plan	12/09/2021	
	Risk Monitor Advanced Report		10/21/2021	
	Procedures	NMP-GM-031	On-Line Configuration Risk Management Program	9.0
		NMP-GM-031-003	Risk Management Actions for 10 CFR-50.65(a)(4) and the Risk Informed Completion Time Program	8.0
NMP-OS-010-002		Hatch Protected Equipment Logs	11.1	
71111.15	Corrective Action Documents	Condition Report	10832023	10/04/2021
		Condition Reports	10836527, 10836636	10/23/2021
71111.18	Engineering Changes	SNC1182060	Temporary Fire Pump	0.0
		SNC1182060	Temporary Fire Pump	1.0
	Miscellaneous	30 Day Report	Evaluation of Diesel Fire Pump 1X43C002B Failure	10/28/2021
		H-FP-Fire Pump-00001	Temporary Fire Pump Familiarization Guide	1.0
	Procedures	34SO-X43-001-1	Fire Pumps Operating Procedure	6.7
71111.19	Corrective Action	Conditions	10835001, 108355023	

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
	Documents	Reports		
	Procedures	34IT-E41-003-1	HPCI Turbine Speed Control Test	3.3
		34SV-E41-002-1	HPCI Pump Operability	33.2
		34SV-T48-001-2	Reactor Building To Suppression Chamber Vacuum Relief System Operability	4.13
		NMP-MA-014-001	Post Maintenance Testing Guidance	5.7
	Work Orders	SNC1171141		
		SNC1182174	(DECPI) Replace Damaged Cable for Synchro Switch	10/04/2021
		SNC1183939	Torus Vacuum Breaker Isolation Butterfly	10/17/2021
SNC1184801				
71111.22	Miscellaneous	1E51C001-RCIC Pump	Unit 1 RCIC IST and CPT Vibration Data (October 2, 2020 through October 14, 2021)	10/14/2021
		HNP-1-FSAR-4.7	Reactor Core Isolation Cooling System	22.0
	Procedures	34SV-E51-002-1	RCIC Pump Operability	29.2
		34SV-R43-004-2	Diesel Generator 2A Fast Start Test	18.4
71152	Corrective Action Documents	Condition Reports	10763984, 10767585, 10768827, 10769730, 10770234, 10772237, 10775815, 10779217, 10779246, 10796348, 10802058, 10805681, 10813181, 10820346, 10821378, 10821835, 10832801, 10835666, 10842374, 10843497	
	Procedures	NMP-GM-002	Corrective Action Program	16.0
		NMP-GM-002-001	Corrective Action Program Instructions	42.0
		NMP-GM-002-002	Effectiveness Review Instructions	5.3
		NMP-GM-002-GL03	Cause Analysis and Corrective Actions Guidelines	31.0
71153	Miscellaneous	NMP-GM-002-F22	Equipment Reliability Checklist, 1E41F007 Failed to Open	10/06/2021