



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

June 8, 2023

R. Keith Brown
Regulatory Affairs Director
Southern Nuclear Operating Company, Inc.
3535 Colonnade Parkway
Birmingham, AL 35243

SUBJECT: EDWIN I. HATCH, UNITS 1 AND 2 – FOCUSED ENGINEERING INSPECTION
REPORT 05000321/2023010 AND 05000366/2023010

Dear Mr. Brown:

On May 11, 2023, the U.S. Nuclear Regulatory Commission (NRC) completed an inspection at Edwin I. Hatch, Units 1 and 2 and discussed the results of this inspection with Johnny Weissinger, 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 "Stephen Tom".

Stephen, Tom signing on behalf
of Baptist, James
on 06/08/23

James B. Baptist, Chief
Engineering Branch 1
Division of Reactor Safety

Docket Nos. 05000321 and 05000366

License Nos. DPR-57 and NPF-5

Enclosure:
As stated

cc w/ encl: Distribution via LISTSERV

SUBJECT: EDWIN I. HATCH, UNITS 1 AND 2 – FOCUSED ENGINEERING INSPECTION
 REPORT 05000321/2023010 AND 05000366/2023010 Dated June 8, 2023

DISTRIBUTION:

P. Braxton, RII
 J. Copeland, RII
 C. Even, RII
 M. Hagan, RII
 J. Hamman, RII
 J. Baptist, RII
 R2EICS
 RidsNrrPMHatch
 RidsNrrDRO Resource
 PUBLIC

ADAMS ACCESSION NUMBER: ML23158A272

<input checked="" type="checkbox"/> SUNSI Review		<input checked="" type="checkbox"/> Non-Sensitive <input type="checkbox"/> Sensitive		<input checked="" type="checkbox"/> Publicly Available <input type="checkbox"/> Non-Publicly Available	
OFFICE	RII:DRS	RII:DCO	RII:DRS	RII:DRS	RII:DRS
NAME	P. Braxton	C. Even	M. Hagen	J. Copeland	J. Hamman
DATE	06/07/2023	06/07/2023	06/07/2023	06/07/2023	06/07/2023
OFFICE	RII:DRS				
NAME	J. Baptist				
DATE	06/07/2023				

OFFICIAL RECORD COPY

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

Docket Numbers: 05000321 and 05000366

License Numbers: DPR-57 and NPF-5

Report Numbers: 05000321/2023010 and 05000366/2023010

Enterprise Identifier: I-2023-010-0042

Licensee: Southern Nuclear Operating Company, Inc.

Facility: Edwin I. Hatch, Units 1 and 2

Location: Baxley, GA

Inspection Dates: April 24, 2023, to May 11, 2023

Inspectors: P. Braxton, Reactor Inspector
J. Copeland, Reactor Inspector
C. Even, Senior Construction Inspector
M. Hagen, Reactor Inspector
J. Hamman, Senior Project Engineer

Approved By: James B. Baptist, Chief
Engineering Branch 1
Division of Reactor Safety

Enclosure

SUMMARY

The U.S. Nuclear Regulatory Commission (NRC) continued monitoring the licensee's performance by conducting a Focused Engineering Inspection at Edwin I. Hatch, Units 1 and 2, 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.

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.

REACTOR SAFETY

71111.21N.03 - Commercial Grade Dedication

Commercial Grade Dedication (section 03.01) (15 Samples)

The inspectors reviewed the implementation of the licensee's processes for dedicating commercial-grade items/services as basic components and/or for procuring safety-related structures, systems, and components for the following samples:

- (1) Diesel Fuel Oil, #2 Diesel, Bulk Shipment, Item 648569, Purchase Order (PO) SNG10298990
- (2) Circuit Breaker, Molded Case, Fixed Thermal Magnetic, 480 Volts AC (VAC), 3 Pole, 70 Amperes (Amp), Item 1387410, PO SNG10296860
- (3) O-ring, Size 2-238, Ethylene Propylene, 70 +/- 5 Shore A Durometer, Item 613878, PO SNG61694-0623
- (4) Gasket, Sheet, Bulk-Compressed, Size 60 x 60 x 0.063 thick, Item 759335, PO SNG61694-1188
- (5) Lubricant, thread, 1 gallon, Item 628575, PO SNG32186-0185
- (6) Bearing, Ball, Single Row Radial, 1.5748 inch (in) inner diameter, 3.1496 in outer diameter, 0.7087 in wide, Item 648330, PO SNG102366743
- (7) Relay, under voltage, panel mounted, 48/125 Volts DC control, 70-120 VAC pickup range, instantaneous pickup, 2-20 second dropout, Item 1345542, PO SNG10278620
- (8) Circuit breaker, molded case, 3 pole, thermal magnetic, 600 VAC, 100 Amps, Item 643213, PO SNG4218-0186
- (9) Fuse, dual element time delay, 1 Amp, 250 VAC, Item 633637, PO SNG37040-100
- (10) Switch, pressure, differential, 0.2 to 1.0 in water column range, Item 634893, PO SNG10039820
- (11) Board, printed circuit, alarm board for battery charger, Item 638438, PO SNG1028-4287
- (12) Relay, Time Delay, Item 0719810, PO SNG69335-0045
- (13) Switch, Selector, 3-Position, Spring Return to Position 2, Pistol Grip, Item# 1299014, PO SNG27007-0117
- (14) Regulator, Filter, Type: Air, RISC-3 (10CFR50.69), Item# 1388780, PO SNG10300213
- (15) Pump, centrifugal, for plant service water, Item 1388142, PO SNG83914-0008

INSPECTION RESULTS

No findings were identified.

EXIT MEETINGS AND DEBRIEFS

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

- On May 11, 2023, the inspectors presented the Focused Engineering Inspection results to Johnny Weissinger, Site Vice President, and other members of the licensee staff.

DOCUMENTS REVIEWED

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
71111.21N.03	Corrective Action Documents	0751812, 10029283, 10029554, 10748262, 10317052, 10783012		
	Corrective Action Documents Resulting from Inspection	10967762	Enhancement to SCM-014	04/28/2023
		10970244	Material not labeled with updated description on Item 613878	05/09/2023
		10970256	EDG battery charger air filter is dirty and needs to be replaced	05/09/2023
		10970259	Dirt, bugs, and debris around 2P41C001C needs to be cleaned	05/09/2023
		10970850	Gasket material not properly stored	05/11/2023
		10970923	NRC walkdown observation of lubricant in warehouse	05/11/2023
	Drawings	SCM-CGDP-104.05	Appendix Garlock 5500	
	Engineering Evaluations	SNC 619754	Equivalency Determination Summary	Version 2.0
	Miscellaneous	74190	Nuclear Environmental Qualification Report for General Electric TED Circuit Breakers	Rev. 0
		CGD-12HEA61B238X3-1	Commercial Grade Dedication Technical Evaluation, Test Plan, and Test Datasheet	Rev. 0
		CGD-EH3B070-1	Commercial Grade Dedication Technical Evaluation, Test Plan, and Test Datasheet	Rev. 1
		CJ6375-1	Dedication Plan for a General Electric Molded Case Circuit Breaker	Rev. 0
		COC1800287-01-01	Certificate of Conformance	09/20/2018
		ERH-27193	Test Report for Air Filter/Regulator	11/29/2022
		Purchase Order	SNG 10278620	12/01/2022
		QP-PR22001095-1	Paragon Seismic Test Plan	Rev. 1
		QTR1800287-01-01	Qualification Test Report	Rev. 2
		S76286	Seismic Ametek Battery Chargers	
		S76310	Instruction Manual Ametek Battery Chargers	
S80525	Nuclear Environmental Qualification Report for Bussman FNM-1/10 thru FNM-40 Fuses	Rev. 0		

Inspection Procedure	Type	Designation	Description or Title	Revision or Date	
		SCR-CC-PR22001095-1	Certificate of Conformance and Test Data Package	Rev. 0	
		SNG10027551	Purchase Order	11/13/2012	
		SNG10039820	Purchase Order	Rev.3	
		SNG10175824	Purchase Order	02/23/2019	
		SNG10284287	Purchase Order	04/12/2022	
		SNG10296860	Purchase Order	10/11/2022	
		SNG10298990	Purchase Order	12/28/2022	
		SNG10300213	Purchase Order	11/29/2022	
		SNG27907-0117	Purchase Order	Rev. 2	
		SNG27907-0117	Certificate of Conformance and Test Data Package	01/16/2015	
		SNG32186-0185	Purchase Order	04/27/2020	
		SNG37040-0100	Purchase Order	Rev. 4	
		SNG37040-0100	Purchase Order	03/15/2022	
		SNG47218-0168	Purchase Order	04/26/2019	
		SNG47218-0168	Certificate of Conformance	11/26/2018	
		SNG6054391	Purchase Order	01/22/2003	
		SNG61694-0623	Purchase Order	12/5/2021	
		SNG61694-0842	Purchase Order	02/10/2022	
		SNG61694-0935	Purchase Order	04/13/2022	
		SNG61695-1188	Purchase Order	02/17/2023	
		SNG83914-0008	Purchase Order	12/05/2022	
		VP-065027-9	Verification Plan for Electros witch Series 24 Switches	Rev. 4	
		Procedures	57CP-R42-002-0	125 VDC Cyberex/Ametek Battery Charger Calibration	Rev. 10.15
			NMP-ES-201	Development of Technical/Quality Requirements	Version 1.0
	NMP-ES-202		Functional Classifications of Components, Parts, and Materials	Version 1.0	
	NMP-ES-206		Accepting Commercial Grade Items for Use as Basic Components	Version 1.0	
	NMP-ES-214		Shelf Life Determination	Version 1.1	
NMP-GM-011	Procurement, Receipt, and Control of Materials and Services		Version 29.4		
NMP-GM-011-001	Origination of Purchase Requisitions		Version 6.0		

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
		SCM-004	Procurement of Materials and Services	Version 15.2
		SCM-005	Warehouse Operations	Version 42
		SCM-005-001	Supply Chain Management Instructions for the Receipt Processing of Commercial Grade Diesel Fuel Oil	Version 1.0
		SCM-013	Exception Notice Process	Version 7.7
		SCM-014	10 CFR 50.69 Alternative Treatment Procurement	Version 4.0
		SCM-ENG-014	Shelf Life Determination	Version 10.2
	Work Orders	SNC450495, SNC457656, SNC586829, SNC638854, SNC100261, SNC1012679		