



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

March 2, 2022

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

SUBJECT: ANNUAL ASSESSMENT LETTER FOR EDWIN I. HATCH NUCLEAR  
PLANT UNITS 1 AND 2 (REPORT 05000321/2021006 AND 05000366/2021006)

Dear Ms. Gayheart:

The NRC has completed its end-of-cycle performance assessment of Edwin I. Hatch Units 1 and 2, reviewing performance indicators (PIs), inspection results, and enforcement actions from January 1, 2021 through December 31, 2021. This letter informs you of the NRC's assessment of your facility during this period and its plans for future inspections at your facility. The NRC concluded that overall performance at your facility preserved public health and safety. The baseline inspection program was completed at your facility as defined in Inspection Manual Chapter 2515, "Light-Water Reactor Inspection Program - Operations Phase."

The NRC determined the performance at Edwin I. Hatch Units 1 and 2 during the most recent quarter was within the Licensee Response Column, the highest performance category of the NRC's Reactor Oversight Process (ROP) Action Matrix, because all inspection findings had very low safety significance (i.e., Green), and all PIs were within the expected range (i.e., Green). Therefore, the NRC plans to conduct ROP baseline inspections at your facility.

The enclosed inspection plan lists the inspections scheduled through December 31, 2023. The NRC provides the inspection plan to allow for the resolution of any scheduling conflicts and personnel availability issues. Routine inspections performed by resident inspectors are not included in the inspection plan. The inspections listed during the last twelve months of the inspection plan are tentative and may be revised. The NRC will contact you as soon as possible to discuss changes to the inspection plan should circumstances warrant any changes.

In response to the COVID-19 public health emergency (PHE), the NRC adjusted inspection plans and schedules in order to safeguard the health and safety of both NRC and licensee staff while still effectively implementing the ROP. While the PHE continues, overall conditions throughout the country support performance of our inspection and oversight activities to return to normal onsite presence by our resident and region-based inspectors and completion of nominal baseline inspection samples. We continue to monitor site-specific conditions and as discussed in our November 2, 2021 memo, "Implementation of Inspection Programs Following Re-Entry from the Public Health Emergency for the Reactor Safety Program" (ML21295A302),

it may be necessary to alter how and when we perform our inspection and oversight activities as we balance the importance of protecting the health and safety of our staff with the need to conduct effective oversight that supports the NRC's critical safety mission. For inspections requiring extensive coordination with offsite organizations, such as evaluated emergency preparedness exercises, NRC guidance and frequently asked questions for security and emergency preparedness can be found here: <https://www.nrc.gov/about-nrc/covid-19/security-ep/>. Similarly, the NRC has developed guidance if force-on-force inspections cannot be completed as scheduled due to an emergency, such as the COVID-19 PHE. These changes help ensure the health and safety of both NRC and licensee staff while maintaining the NRC's important safety and security mission during the COVID-19 PHE. The attached inspection plan is accurate on the date of issuance but remains subject to change based on approval of potential exemption requests or other changes needed due to changing conditions in the COVID-19 PHE. NRC staff will contact your appropriate regulatory affairs staff in order to coordinate inspection planning and scheduling.

Inspection procedure (IP) 71111.21N.03 is included in the inspection plan as a placeholder for your next Design Basis Assurance Inspection (Programs), which will be focused on Commercial Grade Dedication. The inspection procedure will be developed and made publicly available before these inspections begin.

In accordance with Title 10 of the *Code of Federal Regulations* (10 CFR) 2.390 of the NRC's "Rules of Practice," a copy of this letter will be available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records (PARS) component of NRC's document system (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

Please contact me at (404) 997-4415 with any questions you have regarding this letter.

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:  
Hatch Inspection/ Activity Plan  
(03/01/2022-12/31/2023)

cc: Distribution via ListServ

SUBJECT: ANNUAL ASSESSMENT LETTER FOR EDWIN I. HATCH NUCLEAR PLANT  
UNITS 1 AND 2 (REPORT 05000321/2021006 AND 05000366/2021006)  
DATED March 2, 2022

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<b>OFFICE</b>	RII: DRP	RII: DRP		
<b>NAME</b>	D. Mas Penaranda	A. Blamey		
<b>DATE</b>	03/01/2022	03/2/2022		

**OFFICIAL RECORD COPY**

# Site Inspection Activity Plan

## Hatch

03/01/2022 - 12/31/2023

Unit	Start	End	Activity	CAC	Title	Staff Count
<b>EVALUATIONS OF CHANGES, TESTS AND EXPERIMENTS</b>						3
1, 2	4/4/2022	4/8/2022	IP 71111.17T	000709	Evaluations of Changes, Tests, and Experiments	
<b>TRIENNIAL FIRE PROTECTION INSPECTION</b>						4
1, 2	5/16/2022	5/20/2022	IP 71111.21N.05	001646	Fire Protection Team Inspection (FPTI)	
1, 2	5/30/2022	6/3/2022	IP 71111.21N.05	001646	Fire Protection Team Inspection (FPTI)	
<b>TARGET SET INSPECTION</b>						1
1, 2	5/16/2022	5/20/2022	IP 71130.14	000743	Review of Power Reactor Target Sets	
<b>TRIENNIAL HEAT SINK PERFORMANCE</b>						1
1, 2	7/25/2022	7/29/2022	IP 71111.07SIX	000700	Heat Sink Performance	
1, 2	7/25/2022	7/29/2022	IP 71111.07T	000700	Heat Sink Performance	
<b>MATERIAL CONTROL AND ACCOUNTING</b>						1
1, 2	8/1/2022	8/5/2022	IP 71130.11	000742	Material Control and Accounting (MC&A)	
<b>SECURITY BASELINE INSPECTION</b>						3
1, 2	9/26/2022	9/30/2022	IP 71130.02	000734	Access Control	
1, 2	9/26/2022	9/30/2022	IP 71130.04	000736	Equipment Performance, Testing, and Maintenance	
1, 2	9/26/2022	9/30/2022	IP 71130.07	000739	Security Training	
1, 2	9/26/2022	9/30/2022	IP 71130.09	001656	Security Plan Changes	
1, 2	9/26/2022	9/30/2022	IP 71151	001338	Performance Indicator Verification	
<b>HATCH REQUAL INSPECTION</b>						2
1, 2	10/17/2022	10/21/2022	IP 71111.11B	000704	Licensed Operator Requalification Program and Licensed Operator Performance	
<b>FORCE-ON-FORCE PLANNING AND EXERCISE WEEKS - HAT</b>						6
1, 2	10/24/2022	10/28/2022	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
1, 2	11/14/2022	11/18/2022	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
<b>EMERGENCY PREPAREDNESS PROGRAM INSPECTION</b>						2
1, 2	12/12/2022	12/16/2022	IP 71114.02	000717	Alert and Notification System Testing	
1, 2	12/12/2022	12/16/2022	IP 71114.03	000718	Emergency Response Organization Staffing and Augmentation System	
1, 2	12/12/2022	12/16/2022	IP 71114.04	000719	Emergency Action Level and Emergency Plan Changes	
1, 2	12/12/2022	12/16/2022	IP 71114.05	000720	Maintenance of Emergency Preparedness	
1, 2	12/12/2022	12/16/2022	IP 71151	001397	Performance Indicator Verification	
<b>UNIT 2 IN-SERVICE INSPECTION</b>						1
2	2/13/2023	2/17/2023	IP 71111.08G	000701	Inservice Inspection Activities (BWR)	
<b>RP OCCUPATIONAL RADIATION SAFETY BASELINE</b>						3

# Site Inspection Activity Plan

1, 2	2/13/2023	3/3/2023	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1, 2	2/13/2023	3/3/2023	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
1, 2	2/13/2023	3/3/2023	IP 71124.04	000728	Occupational Dose Assessment	
1, 2	2/13/2023	3/3/2023	IP 71124.05	000729	Radiation Monitoring Instrumentation	
1, 2	2/13/2023	3/3/2023	IP 71151	000746	Performance Indicator Verification	
<b>DESIGN BASES ASSURANCE INSPECTION (PROGRAMS)</b>						<b>3</b>
1, 2	4/24/2023	4/28/2023	IP 71111.21N.03		Design Bases Assurance Inspections (Programs) 2023 (Commercial Grade Dedication)	
1, 2	5/8/2023	5/12/2023	IP 71111.21N.03		Design Bases Assurance Inspections (Programs) 2023 (Commercial Grade Dedication)	
<b>OPERATION ON AN ISFSI</b>						<b>2</b>
1, 2	5/15/2023	5/19/2023	IP 60855	001001	Operation Of An ISFSI	
<b>POST-APPROVAL LICENSE RENEWAL PHASE 4</b>						<b>4</b>
1, 2	5/22/2023	5/26/2023	IP 71003	000687	Post-Approval Site Inspection for License Renewal	
<b>RP PUBLIC RADIATION SAFETY BASELINE</b>						<b>2</b>
1, 2	7/10/2023	7/14/2023	IP 71124.06	000730	Radioactive Gaseous and Liquid Effluent Treatment	
1, 2	7/10/2023	7/14/2023	IP 71124.07	000731	Radiological Environmental Monitoring Program	
1, 2	7/10/2023	7/14/2023	IP 71151	000746	Performance Indicator Verification	
<b>SNC CORPORATE AA/FFD INSPECTION</b>						<b>2</b>
1, 2	8/28/2023	9/1/2023	IP 71130.01	000733	Access Authorization	
1, 2	8/28/2023	9/1/2023	IP 71130.08	000740	Fitness For Duty Program	
<b>PROBLEM IDENTIFICATION &amp; RESOLUTION</b>						<b>4</b>
1, 2	9/11/2023	9/15/2023	IP 71152B	000747	Problem Identification and Resolution	
1, 2	9/25/2023	9/29/2023	IP 71152B	000747	Problem Identification and Resolution	
<b>SECURITY BASELINE INSPECTION</b>						<b>1</b>
1, 2	9/18/2023	9/22/2023	IP 71130.01	000733	Access Authorization	
1, 2	9/18/2023	9/22/2023	IP 71130.08	000740	Fitness For Duty Program	
<b>CYBER SECURITY INSPECTION</b>						<b>2</b>
1, 2	10/2/2023	10/6/2023	IP 71130.10	000741	Cybersecurity	
<b>EMERGENCY PREPAREDNESS EXERCISE INSPECTION</b>						<b>5</b>
1, 2	10/30/2023	11/3/2023	IP 71114.01	000716	Exercise Evaluation	
1, 2	10/30/2023	11/3/2023	IP 71114.04	000719	Emergency Action Level and Emergency Plan Changes	
1, 2	10/30/2023	11/3/2023	IP 71151	001397	Performance Indicator Verification	
<b>SECURITY BASELINE INSPECTION</b>						<b>2</b>
1, 2	11/13/2023	11/17/2023	IP 71130.02	000734	Access Control	
1, 2	11/13/2023	11/17/2023	IP 71130.09	001656	Security Plan Changes	
1, 2	11/13/2023	11/17/2023	IP 71151	001338	Performance Indicator Verification	

# Site Inspection Activity Plan

1, 2	11/13/2023	11/17/2023	IP 81311	000831	Physical Security Requirements for Independent Spent Fuel Storage Installations	
<b>HATCH INITIAL LICENSE EXAM</b>						3
1, 2	10/23/2023	10/27/2023	OV	000956	FB-OR-ONSITE VALIDATION OF INITIAL LICENSE EXAMINATION (OV)	
1, 2	11/27/2023	12/8/2023	EXAD	000500	FB-OR-INITIAL LICENSE EXAM ADMINISTRATION (EXAD)	

# Site Inspection Activity Plan

## 07200036 - Hatch (ISFSI)

03/01/2022 - 12/31/2023

Unit	Start	End	Activity	CAC	Title	Staff Count
<b>SECURITY BASELINE INSPECTION (ISFSI)</b>						2
1	11/13/2023	11/17/2023	IP 81311	001006	Physical Security Requirements for Independent Spent Fuel Storage Installations	