



**UNITED STATES  
NUCLEAR REGULATORY COMMISSION**  
REGION II  
245 PEACHTREE CENTER AVENUE NE, SUITE 1200  
ATLANTA, GEORGIA 30303-1257

July 26, 2021

Ms. Cheryl A. Gayheart  
Regulatory Affairs Director  
Southern Nuclear Operating Co., Inc  
Edwin I. Hatch Nuclear Plant  
3535 Colonnade Parkway  
Birmingham, AL 35423

**SUBJECT: EDWIN I. HATCH NUCLEAR PLANT UNITS 1 & 2 – BIENNIAL  
PROBLEM IDENTIFICATION AND RESOLUTION INSPECTION REPORT  
05000321/2021010 AND 05000366/2021010**

Dear Ms. Gayheart:

The purpose of this letter is to notify you that the U.S. Nuclear Regulatory Commission (NRC) Region II staff will conduct a problem identification and resolution (PI&R) inspection at your Edwin I. Hatch Nuclear Plant, Units 1 and 2 during the weeks of September 13, 2021, and September 27, 2021. The inspection team will be led by Mr. Necota Staples, a Sr. Project Engineer from the NRC's Region II office. This inspection will be conducted in accordance with the baseline inspection procedure, 71152, Problem Identification and Resolution, issued February 26, 2015.

The biennial PI&R inspection and assessment of the licensee's Corrective Action Program (CAP) complements and expands upon the resident baseline inspections of routine daily screening of all corrective action program issues, quarterly focused issue reviews, and semiannual trend PI&R reviews.

On July 14, 2021, Mr. Staples confirmed with Mr. Jimmy Collins, Licensing Manager, the details, and expectations for the two weeks of the inspection.

The enclosure lists documents that will be needed prior to the inspection. Please have the referenced information available no later than August 23, 2021. Contact Mr. Staples with any questions concerning the requested information. The inspectors will try to minimize your administrative burden by specifically identifying only those documents required for inspection preparation.

If additional documents are needed, they will be requested when identified. Prior to the inspection, Mr. Staples will discuss, with your staff, the following inspection support administrative details: availability of knowledgeable plant engineering and licensing personnel to serve as points of contact during the inspection; method of tracking inspector requests during the inspection; and other applicable information.

In response to the COVID-19 coronavirus and updated Federal Government guidance on travel and social distancing, the NRC inspection team is prepared to conduct this inspection accordingly. Therefore, in support of this inspection some, or all, of the inspection team may perform their reviews with minimal onsite staff interaction or remotely as conditions permit. The NRC inspection team requests that your staff be prepared to support these efforts. Additionally, the inspection team is open to any suggestions regarding communications and coordination such that the overall effort from both the NRC inspection team and Hatch Nuclear Plant support staff may be the most efficient while also prioritizing public health and safety.

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).

Thank you for your cooperation in this matter. If you have any questions regarding the information requested or the inspection, please contact Mr. Staples at (404) 997-4644.

Sincerely,

*/RA/*

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

Docket No. 05000321 and 05000366  
License No. NPF-57, NPF-5

Enclosure: Information Request for Hatch Nuclear Plant  
Problem Identification and Resolution Inspections

cc Distribution via ListServ

#### **PAPERWORK REDUCTION ACT STATEMENT**

This letter does not contain new or amended information collection requirements subject to the Paperwork Reduction Act of 1995 (44 U.S.C. 3501 et seq.). Existing information collection requirements were approved by the Office of Management and Budget, control number 3150-0011.

#### **PUBLIC PROTECTION NOTIFICATION**

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C. Gayheart

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SUBJECT: EDWIN I. HATCH NUCLEAR PLANT UNITS 1 & 2 – NOTIFICATION OF INSPECTION AND REQUEST FOR INFORMATION FOR NRC PROBLEM IDENTIFICATION AND RESOLUTION INSPECTION DATED JULY 26, 2021

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**ACCESSION NUMBER: ML21207A107**

OFFICE	RII/DRS	RII/DRP			
NAME	N. Staples	A. Blamey			
DATE	07/20/2021	07/26/2021			

**OFFICIAL RECORD COPY**

**INFORMATION REQUEST FOR EDWIN I. HATCH NUCLEAR PLANT UNITS 1 & 2  
PROBLEM IDENTIFICATION AND RESOLUTION INSPECTION  
(September 13 - 17, 2021 AND September 27 – October 01, 2021)**

Note: Unless otherwise noted, the information requested below corresponds to documents generated since May 01, 2019. Please provide the requested documents in electronic format. If the information is not available in electronic format, please contact the inspection team leader to coordinate other available methods to provide the information.

1. Copies of the corporate and site level procedures and sub-tier procedures associated with the corrective action program. This should include procedures related to:
  - a) Corrective action process
  - b) Cause evaluation
  - c) Operating experience program
  - d) Employee concerns program
  - e) Self-assessment program
  - f) Maintenance rule program and implementing procedures
  - g) Operability determination and functionality assessment process
  - h) Degraded/non-conforming condition process (e.g., RIS 2005-20)
  - i) System health process or equivalent equipment reliability improvement programs
  - j) Preventive maintenance deferral process

If any of the procedures requested above were revised after May 01, 2019, please provide copies of all revisions during the onsite inspection.

2. List of top ten risk-significant systems, top ten risk-significant components for each one of the top ten risk-significant systems, and top ten risk-significant operator manual actions.
3. List of all Condition Reports (CRs) initiated including the following information for each CR:
  - a) CR number
  - b) Brief, but complete problem description
  - c) Priority or level
  - d) Affected system
  - e) Affected component
  - f) Responsible plant department
  - g) CR completion status

If possible, provide this list in a format compatible with spreadsheet software (i.e. Excel example shown below) and ensure the list is searchable and can be filtered by system.

AR #	Problem	Priority	System	Component	Org	Status
CR001	"A" RHR Pump failed flow criteria per SR 5.0.5.4	2	RHR	2-RHR-PMP-A	ENG	Open

Enclosure

4. List of outstanding corrective actions including the following information for each action:
  - a) Corrective action number
  - b) Corrective action type (e.g., corrective action to prevent recurrence, enhancement, maintenance rule evaluation, etc.)
  - c) Brief, but complete corrective action description
  - d) Associated CR number
  - e) Corrective action initiation date
  - f) Number of extensions
  - g) Corrective action due date
  - h) Completion status

If possible, provide this list in a format compatible with spreadsheet software (i.e. Excel, example shown below) and ensure the list is searchable and can be filtered by system.

Corrective Action #	Type	Description	AR	System	Initiation Date	Extensions	Due Date	Status
001	CAPR	Revise Procedure NGK-003-4585	CR0058	RHR	04/05/20	2	10/15/20	Awaiting CARB review

5. List of control room deficiencies with a brief description and corresponding CR and/or work order (WO) number.
6. List of operator workarounds and operator burdens with a brief description and corresponding CR number, searchable and filtered by system.
7. List of all currently extended or overdue CRs, searchable and filtered by system and sorted by initiation date, with the following information:
  - a) CR number
  - b) Priority or Significance
  - c) CR title and short description
8. List of all CRs that have been voided, cancelled, or deleted, searchable and filtered by system. Please provide the following information for each CR:
  - a) CR number
  - b) Brief, but complete problem description
  - c) Reason voided, cancelled, or deleted
9. List of all structures, systems, and components (SSCs) which were classified as (a)(1) in accordance with the Maintenance Rule since May 01, 2019.

Please include the following information for each system in (a)(1):

- a) Date of classification in (a)(1)
- b) Reason for being placed in (a)(1)
- c) Planned actions and their status

10. List of Maintenance Preventable Functional Failures (MPFF) of risk-significant systems. Please include actions completed and current status.
11. List of corrective maintenance work orders and modifications for safety-related (SR) structures, systems, and components and any work considered "high risk." Please include the following information for each work order:
  - a) WO number
  - b) Brief, but complete work description
  - c) Affected system and components
  - d) Date of initiation
  - e) Date of completion (if completed)
  - f) Associated CR (if applicable)

If possible, provide this list in a format compatible with spreadsheet software (i.e. Excel, example shown below) and ensure the list is searchable and can be filtered by system.

Work Order #	Description	System	Component	Initiation Date	Due Date	Status
WO01345	Replace breaker 2A-BKR-08-BB4 for 2A SI Pump.	SI	2A-SI-PMP, BKR-08-BB4	01/05/19	05/15/19	Closed

12. Corrective action closeout packages, including CRs with description of corrective actions, for all NRC findings and licensee-identified violations (LIVs). Please include a cross-reference linking NRC finding numbers and LIVs to appropriate CR numbers.
13. Corrective action closeout packages, including CRs with description of corrective actions, for all licensee event reports (LERs) issued. Please include a cross reference linking LER number to appropriate CR number.
14. List of all NRC generic communications (e.g., Information Notices, Generic Letters, etc.) and industry operating experience (OE) documents (e.g., Part 21 reports, vendor information letters, information from other sites, etc.) evaluated by the site for applicability to the station, regardless of the determination of applicability. Please include the reference number (e.g., CR number) for the documents that evaluated the aforementioned OE information.
15. Copies of all quality assurance audits and/or assessments issued, including the last two audits/assessments of the corrective action program.
16. Copies of all department self-assessments.
17. Copy of the most recent integrated plant trend report, departmental trend report(s), and corrective action trend reports, including any human performance and equipment reliability trends.
18. Copy of the latest Corrective Action Program statistics (if already compiled) such as the number of CRs initiated by department, human performance errors by department, and others as may be available.

19. List of routine meetings involving the CAP to be held while team is onsite.
20. List of CRs related to equipment aging issues in the top ten risk-significant systems since April 2016 (e.g., system erosion and/or corrosion problems; electronic component aging or obsolescence of circuit boards, power supplies, relays, etc.; environmental qualification). Please provide the following information for each AR:
  - a) CR number
  - b) Priority
  - c) CR problem description
21. If performed, please provide any recent self-assessment of the site safety culture completed.
22. Copies of corrective action program documents related to cross-cutting issues (human performance, problem identification and resolution, and safety conscious work environment) identified via trending, self-assessments, safety review committee or other oversight methods.
23. List of all root cause, apparent cause, common cause and related or similar equipment cause evaluations with a brief description.
24. Copy of Probabilistic Risk Assessment importance measures report, if available.
25. System health reports, system design basis documents, maintenance rule functions and status, and system description information for the top ten risk significant systems.
26. Complete list of Operability Determination performed includes Prompt Operability Determination (PDO) and Immediate Determination Operability (IDO).