UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION II
SAM NUNN ATLANTA FEDERAL CENTER
61 FORSYTH STREET, SW, SUITE 23T85
ATLANTA, GEORGIA 30303-8931

April 23, 2010

Mr. Dennis R. Madison
Vice President
Southern Nuclear Operating Company, Inc.
Edwin I. Hatch Nuclear Plant
11028 Hatch Parkway North
Baxley, GA 31513

SUBJECT: PUBLIC MEETING SUMMARY - EDWIN I. HATCH NUCLEAR PLANT - DOCKET NOS. 50-321 AND 50-366

Dear Mr. Johnson:

This refers to the meeting conducted on April 21, 2010, in Baxley, GA. The purpose of the meeting/open house session was to provide opportunities to discuss the annual assessment of Edwin I. Hatch Nuclear Plant with the public for the period of January 1, 2009 - December 31, 2009.

In accordance with 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 (PDR) 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).

Should you have any questions concerning this meeting, please contact me at (404) 997-4521.

Sincerely,

/RA/

Scott M. Shaeffer, Chief
Reactor Projects Branch 2
Division of Reactor Projects

Docket Nos.: 50-321, 50-366
License Nos.: DRP-57, NPF-5

Enclosures:
1. List of Attendees
2. PowerPoint Presentation

cc w/encl: (See page 2)

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X PUBLICLY AVAILABLE ☐ NON-PUBLICLY AVAILABLE ☐ SENSITIVE X NON-SENSITIVE

ADAMS: ☐ Yes ACCESSION NUMBER:_____ X SUNSI REVIEW COMPLETE ***SMS***

OFFICE	RII:DRP	RII:DRP	RII:DRP				
SIGNATURE	SMS /RA/	SDR /RA/	SDR /RA for/				
NAME	SShaeffer	SRose	TLighty				
DATE	04/23/2010	04/22/2010	04/22/2010				
E-MAIL COPY?	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO

OFFICIAL RECORD COPY DOCUMENT NAME: G:\DRPII\RPB2\HATCH\MID & END CYCLE\EOC 2008\MEETING SUMMARY.DOC

cc w/encl:
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Letter to Dennis R. Madison from Scott M. Shaeffer dated April 23, 2010

SUBJECT: PUBLIC MEETING SUMMARY - EDWIN I. HATCH NUCLEAR PLANT - DOCKET NOS. 50-321 AND 50-366

Distribution w/encl:
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RIDSNRRDIRS
PUBLIC
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HATCH ANNUAL ASSESSMENT MEETING
April 21, 2010

NAME	TITLE
WL BARGERON	PLANT HATCH
S.B. Tipps	SNC - Principal Licensing Engr
Lana Thames	SNC Public Affairs
[illegible]	SNC SITE SUPPORT MANAGER
Sara Waters	SNC Public Affairs
Jacob	biGGUY

Enclosure 1

Edwin I. Hatch Nuclear Plant Annual Assessment Meeting

Reactor Oversight Program - CY 2009

Nuclear Regulatory Commission - Region II

Baxley, Ga

April 21, 2010

Enclosure 2

Purpose of Today's Meeting

- A public forum for discussion of the licensee's performance
- NRC will address the licensee performance issues identified in the annual assessment letter
- Licensee will be given the opportunity to respond to the information in the letter and inform the NRC of new or existing programs to maintain or improve their performance

Agenda

- Introduction
- Review of Reactor Oversight Process
- National Summary of Plant Performance
- Discussion of Plant Performance Results
- NRC Closing Remarks and Licensee Response

NRC available after presentation to address public questions

Region II Organization

Luis Reyes
Regional Administrator
Victor McCree
Deputy Regional Administrator

Division of Reactor Projects
Len Wert, Director
Joel Munday, Deputy Director

Division of Reactor Safety
Kriss Kennedy, Director
Harold Christensen, Deputy Director

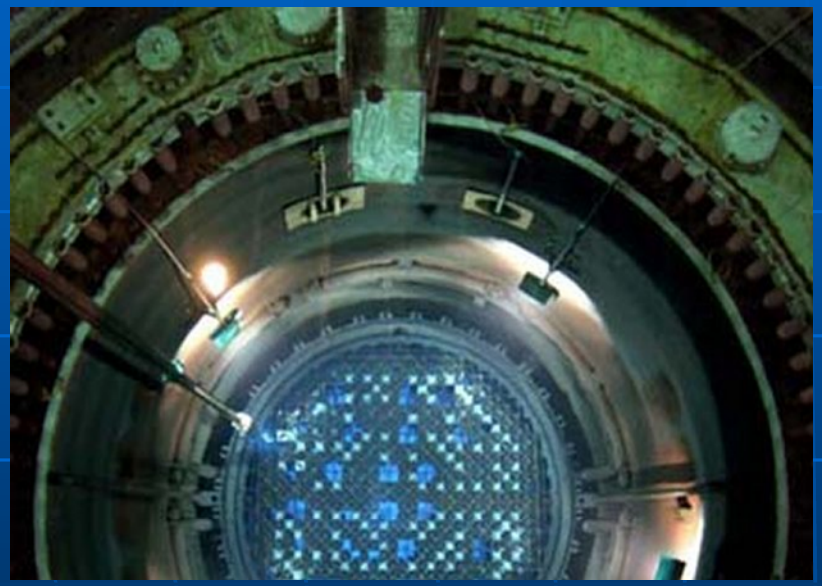
Projects Branch 2
Scott Shaeffer, Chief
(404)997-4521

Regional Specialist Inspectors

Resident Inspectors (RI)
Eddie Morris, Senior RI
Phil Niebaum, RI
RI Office: (912)367-9881

Project Engineers (PE)
Steven Rose, Senior PE
Tonya Lighty, PE

Our Mission



- To license and regulate the nation's civilian use of byproduct, source, and special nuclear materials to ensure adequate protection of public health and safety, promote the common defense and security, and protect the environment.

Some Nuclear Facts

- More than 100 nuclear power plants supply about 20 percent of the electricity in the U.S.
- Nuclear materials are used in medicine for diagnosis and cancer treatment.
- Nuclear materials are widely used in industry, such as in density gauges, flow measurement devices, radiography devices, and irradiators.

The NRC Regulates

- Nuclear reactors - commercial power reactors, research and test reactors, new reactor designs
- Nuclear materials - nuclear reactor fuel, radioactive materials for medical, industrial, and academic use
- Nuclear waste – transportation, storage and disposal of nuclear material and waste, decommissioning of nuclear facilities
- Nuclear security – physical security of nuclear facilities and materials from sabotage or attacks

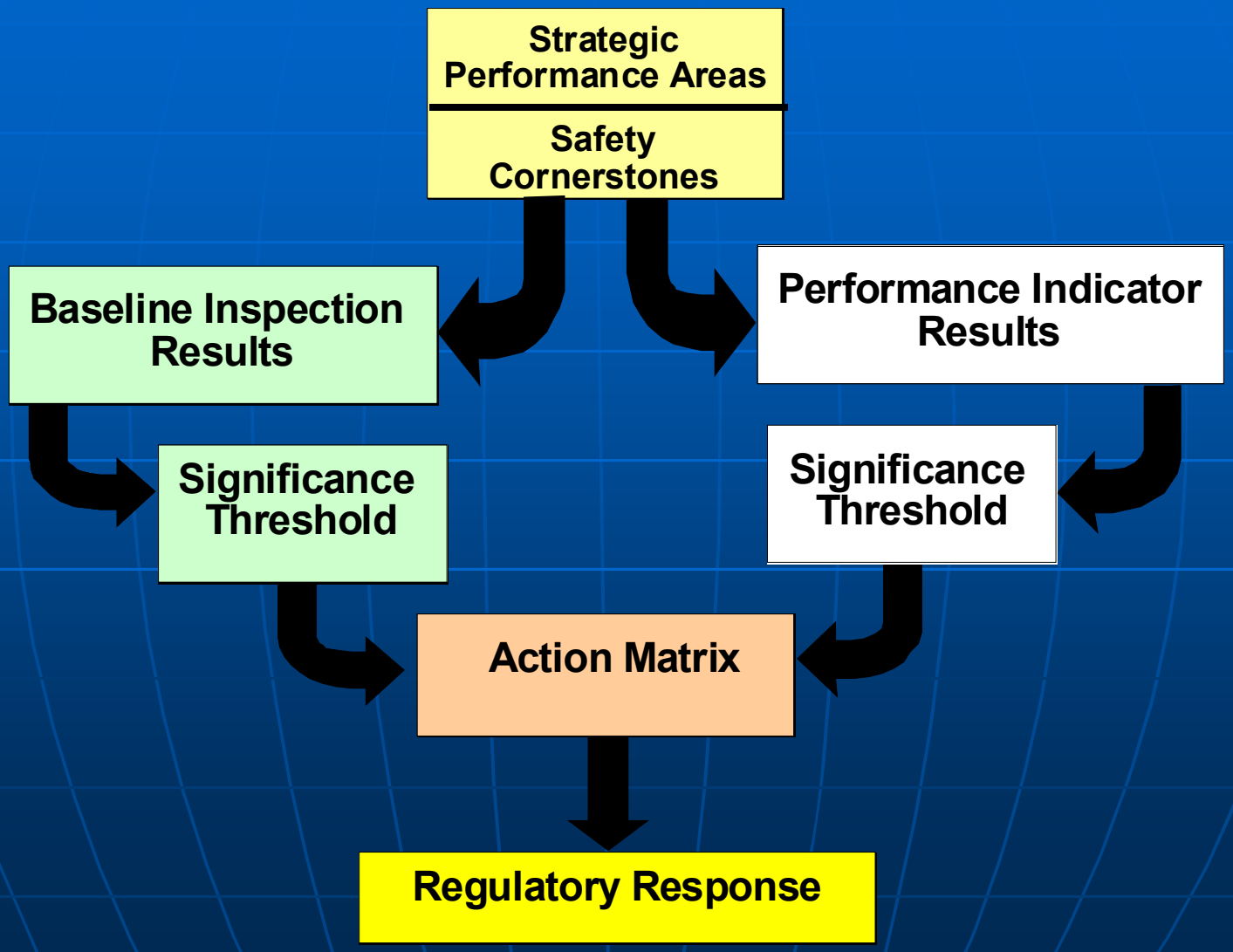
What We Don't Do

- Regulate nuclear weapons, military reactors, or space vehicle reactors
- Own or operate nuclear power plants
- Regulate some radioactive materials, such as X-rays and naturally occurring radon

Assurance of Plant Safety

- Require "defense-in-depth"
- Require long-term maintenance of equipment
- Require continual training of operators
- Verify compliance with regulations

Reactor Oversight Process



Examples of Baseline Inspections Performed Nationwide

- Equipment Alignment ~80 hrs/yr
- Triennial Fire Protection ~250 hrs triennially
- Operator Response ~125 hrs/yr
- Emergency Preparedness ~80 hrs/yr
- Rad Release Controls ~110 hrs biennially
- Worker Radiation Protection ~95 hrs/yr
- Corrective Action Program ~250 hrs biennially
- Corrective Action Case Reviews ~60 hrs/yr

Significance Threshold

Inspection Findings & Performance Indicators

Green: Very Low safety issue

White: Low to moderate safety issue

Yellow: Substantial safety issue

Red: High safety issue

NRC Response:

Green: Only Baseline Inspection

White: May increase NRC oversight

Yellow: Requires more NRC oversight

Red: Requires more NRC oversight

Action Matrix Concept

Licensee Response	Regulatory Response	Degraded Cornerstone	Multiple/Rep Degraded Cornerstone	Unacceptable Performance

Increasing Safety Significance

Increasing NRC Inspection Efforts

Increasing NRC/Licensee Management Involvement

Increasing Regulatory Actions

National Summary of Plant Performance

Status at End of CY 2009

Licensee Response	84
Regulatory Response	19
Degraded Cornerstone	1
Multiple/Repetitive Degraded Cornerstone	0
Unacceptable	0
Total	104

National Summary

- **Performance Indicator Results (end of CY 2009)**
  - Green 1543
  - White 4
  - Yellow 0
  - Red 0

Total Inspection Findings (CY 2009)

- Green 838
- White 17
- Yellow 0
- Red 0

Hatch Inspection Activities

5728 hours of inspection-related activities

- In-service Inspection
- Radiation Protection
- Biennial Problem Identification & Resolution (PI&R) Inspection
- Two Initial Licensed Operator Examinations
- Security
- Component Design Bases Inspection
- 95001 Supplemental Inspection of the EDG Couplings

2009 Assessment Results - Unit 1

	1st Qtr 2009	2nd Qtr 2009	3rd Qtr 2009	4th Qtr 2009
Action Matrix Column	Regulatory Response Column	Regulatory Response Column	Regulatory Response Column	Regulatory Response Column
Basis	White Finding – Mitigating Systems; 1B EDG Coupling Failure (Addressed by 95001, November 2009)	White Finding – Mitigating Systems; 1B EDG Coupling Failure (Addressed by 95001, November 2009)	White Finding – Mitigating Systems; 1B EDG Coupling Failure (Addressed by 95001, November 2009)	White Finding – Mitigating Systems; 1B EDG Coupling Failure (Addressed by 95001, November 2009)

Unit 1 Assessment Results

A White finding was issued in March 2009 (counted in 1Q/2009) for failure to identify and correct cracks in the 1B emergency diesel generator (EDG) coupling which were previously observed during routine maintenance inspections.

Unit 1 Assessment Results (cont'd)

- NRC conducted 95001 supplemental inspection 4th quarter 2009 which encompassed:
  - The failure to identify and correct cracks in the 1B emergency diesel generator (EDG) coupling which were previously observed during routine maintenance inspections. (Since the 1B EDG is the Unit 1/2 shared diesel generator both units were affected.)

2009 Assessment Results - Unit 2

	1st Qtr 2009	2nd Qtr 2009	3rd Qtr 2009	4th Qtr 2009
Action Matrix Column	Regulatory Response Column	Regulatory Response Column	Regulatory Response Column	Regulatory Response Column
Basis	White Finding – Mitigating Systems; 1B EDG Coupling Failure (Addressed by 95001, November 2009)	White Finding – Mitigating Systems; 1B EDG Coupling Failure (Addressed by 95001, November 2009)	White Finding – Mitigating Systems; 1B EDG Coupling Failure (Addressed by 95001, November 2009)	White Finding – Mitigating Systems; 1B EDG Coupling Failure (Addressed by 95001, November 2009)

2009 Assessment Summary

- Southern Nuclear Company operated Hatch in a manner that preserved public health and safety with low degradation in safety performance
- All cornerstone objectives were met
- For the remainder of 2010:
  - NRC plans baseline inspections

Overall Assessment Impact

- Overall, Hatch's performance has improved over the assessment period

- Both units improved their standing on the NRC's Action Matrix and are currently in the Licensee Response Column for 1st quarter 2010.

Contacting the NRC

- Report an emergency
  - (301) 816-5100 (call collect)
- Report a safety concern:
  - (800) 695-7403
  - Allegation@nrc.gov
- General information or questions
  - www.nrc.gov
  - Select “About NRC” for Public Affairs

Reference Sources

- Reactor Oversight Process
  - http://www.nrc.gov/NRR/OVERSIGHT/ASSESS/index.html
- Public Electronic Reading Room
  - http://www.nrc.gov/reading-rm.html
- Public Document Room
  - 1-800-397-4209 (Toll Free)