



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

September 4, 2012

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

SUBJECT: MID-CYCLE PERFORMANCE REVIEW AND INSPECTION PLAN – EDWIN I.  
HATCH NUCLEAR PLANT (NRC INSPECTION REPORT 05000321,  
366/2012006)

Dear Mr. Madison:

On August 14, 2012, the NRC completed its mid-cycle performance review of Edwin I. Hatch Nuclear Plant. The NRC reviewed the most recent quarterly performance indicators (PIs) in addition to inspection results and enforcement actions from July 1, 2011 through June 30, 2012. This letter informs you of the NRC's assessment of your facility during this period and its plans for future inspections at your facility. This assessment reflects the integration of the Security Cornerstone into the IMC 0305, "Reactor Oversight Process." ROP performance assessment program governed by IMC 0305, "Operating Reactor Assessment Program."

The NRC determined the performance at Hatch Unit 1 and Unit 2 during the most recent quarter was within the Licensee Response Column of the NRC's Reactor Oversight Process (ROP) Action Matrix because all inspection findings had very low (i.e., Green) safety significance, and all PIs indicated that your performance was within the nominal, 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, 2013. Routine inspections performed by resident inspectors are not included in the inspection plan. In addition to the baseline inspections, consistent with the Agency's actions related to Fukushima, the NRC will perform TI-187, "Inspection of Near-Term Task Force Recommendation 2.3 Flooding Walkdowns" and TI-188 "Inspection of Near-Term Task Force Recommendation 2.3 Seismic Walkdowns." The NRC also plans to conduct Initial Operator License Examinations, TI-182 "Review of the Implementation of the Industry Initiative to Control Degradation of Underground Piping and Tanks", and TI-177 "Managing Gas Accumulation in Emergency Core Cooling, Decay Heat Removal, and Containment Spray Systems." The inspections listed during the last nine months of the inspection plan are tentative and may be revised at the end-of-cycle performance review. The NRC provides the inspection plan to allow for the resolution of any scheduling conflicts and personnel availability issues. The NRC will contact you as soon as possible to discuss changes to the inspection plan should circumstances warrant any changes. This inspection plan does not include security related inspections, which will be sent via separate, non-publicly available correspondence.

D Madison

2

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 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) 997-4611 with any questions you have regarding this letter.

Sincerely,

***/RA/***

Frank Ehrhardt, Chief  
Projects Branch 2  
Division of Reactor Projects

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

Enclosure: Hatch Inspection/Activity Plan (09/01/2012 – 12/31/2013)

cc w/encl: (See page 3)

cc w/encl:  
C. Russ Dedrickson  
Fleet Support Supervisor  
Southern Nuclear Operating Company, Inc.  
Electronic Mail Distribution

David R. Vineyard  
Plant Manager  
Edwin I. Hatch Nuclear Plant  
Southern Nuclear Operating Company, Inc.  
Electronic Mail Distribution

S. Kuczynski  
Chairman, President and CEO  
Southern Nuclear Operating Company, Inc.  
Electronic Mail Distribution

Todd L. Youngblood  
Vice President  
Fleet Oversight  
Southern Nuclear Operating Company, Inc.  
Electronic Mail Distribution

Leigh Perry  
SVP & General Counsel-Ops & SNC  
Southern Nuclear Operating Company, Inc.  
Electronic Mail Distribution

D. G. Bost  
Chief Nuclear Officer  
Southern Nuclear Operating Company, Inc.  
Electronic Mail Distribution

Paula Marino  
Vice President  
Engineering  
Southern Nuclear Operating Company, Inc.  
Electronic Mail Distribution

T. A. Lynch  
Vice President  
Joseph M. Farley Nuclear Plant  
Southern Nuclear Operating Company, Inc.  
Electronic Mail Distribution

L. P. Hill  
Licensing Supervisor  
Southern Nuclear Operating Company, Inc.  
Electronic Mail Distribution

Dennis R. Madison  
Vice President  
Edwin I. Hatch Nuclear Plant  
Southern Nuclear Operating Company, Inc.  
Electronic Mail Distribution

T. E. Tynan  
Site Vice President  
Vogtle Electric Generating Plant  
Southern Nuclear Operating Company, Inc.  
Electronic Mail Distribution

M. J. Ajluni  
Nuclear Licensing Director  
Southern Nuclear Operating Company, Inc.  
Electronic Mail Distribution

B. D. McKinney, Jr.  
Regulatory Response Manager  
Southern Nuclear Operating Company, Inc.  
Electronic Mail Distribution

D. W. Daughhetee  
Licensing Engineer  
Southern Nuclear Operating Company, Inc.  
Electronic Mail Distribution

T. D. Honeycutt  
Regulatory Response Supervisor  
Southern Nuclear Operating Company, Inc.  
Electronic Mail Distribution

L. Mike Stinson  
Vice President  
Fleet Operations Support  
Southern Nuclear Operating Company, Inc.  
Electronic Mail Distribution

N. J. Stringfellow  
Licensing Manager  
Southern Nuclear Operating Company, Inc.  
Electronic Mail Distribution

L. L. Crumpton  
Administrative Assistant, Sr.  
Southern Nuclear Operating Company, Inc.  
Electronic Mail Distribution

D Madison

4

(cc w/encl continued)

Steven B. Tipps  
Hatch Principal Engineer - Licensing  
Edwin I. Hatch Nuclear Plant  
Electronic Mail Distribution

W. E. Duvall  
Site Support Manager  
Edwin I. Hatch Nuclear Plant  
Electronic Mail Distribution

Mr. Ken Rosanski  
Resident Manager  
Edwin I. Hatch Nuclear Plant  
Oglethorpe Power Corporation  
Electronic Mail Distribution

Mark Williams  
Commissioner  
Georgia Department of Natural Resources  
Electronic Mail Distribution

Lee Foley  
Manager of Contracts Generation  
Oglethorpe Power Corporation  
Electronic Mail Distribution

Arthur H. Domby, Esq.  
Troutman Sanders  
Electronic Mail Distribution

James C. Hardeman  
Environmental Radiation Program Manager  
Environmental Protection Division  
Georgia Department of Natural Resources  
Electronic Mail Distribution

Chuck Mueller  
Manager  
Policy and Radiation Program  
Georgia Department of Natural Resources  
Electronic Mail Distribution

Cynthia A. Sanders  
Radioactive Materials Program Manager  
Environmental Protection Division  
Georgia Department of Natural Resources  
Electronic Mail Distribution

Mr. Steven M. Jackson  
Senior Engineer - Power Supply  
Municipal Electric Authority of Georgia  
Electronic Mail Distribution

Reece McAlister  
Executive Secretary  
Georgia Public Service Commission  
Electronic Mail Distribution

Chairman  
Appling County Commissioners  
County Courthouse  
69 Tippins Street, Suite 201  
Baxley, GA 31513

Amy Whaley  
Resident Manager  
Electronic Mail Distribution

## Hatch

## Inspection / Activity Plan

09/01/2012 - 12/31/2013

Unit Number	Planned Dates Start End	Inspection Activity	Title	No. of Staff on Site
1, 2	10/01/2012 10/05/2012	<b>TI-177</b> IP 2515/177	<b>- TI-177 CLOSEOUT</b> Managing Gas Accumulation In Emergency Core Cooling, Decay Heat Removal & Containment Spray System	1
1, 2	11/26/2012 11/30/2012	<b>PSB1EP</b> IP 7111402	<b>- EMERGENCY PREPAREDNESS INSPECTION</b> Alert and Notification System Testing	2
1, 2	11/26/2012 11/30/2012	IP 7111403	Emergency Preparedness Organization Staffing and Augmentation System	
1, 2	11/26/2012 11/30/2012	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies	
1, 2	11/26/2012 11/30/2012	IP 711151	Performance Indicator Verification	
1, 2	02/11/2013 02/15/2013	<b>PSB1-RP</b> IP 71124.01	<b>- RP OCCUPATIONAL BASELINE</b> Radiological Hazard Assessment and Exposure Controls	3
1, 2	02/11/2013 02/15/2013	IP 71124.02	Occupational ALARA Planning and Controls	
1, 2	02/11/2013 02/15/2013	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1, 2	02/11/2013 02/15/2013	IP 71124.04	Occupational Dose Assessment	
1, 2	02/11/2013 02/15/2013	IP 71124.05	Radiation Monitoring Instrumentation	
1, 2	02/11/2013 02/15/2013	IP 711151	Performance Indicator Verification	
2	02/18/2013 02/22/2013	<b>ISI</b> IP 7111108G	<b>- UNIT 2 INSERVICE INSPECTION</b> Inservice Inspection Activities - BWR	1
1, 2	02/25/2013 03/01/2013	<b>PSB1-RP</b> IP 71124.01	<b>- RP OCCUPATIONAL BASELINE WEEK2</b> Radiological Hazard Assessment and Exposure Controls	2
1, 2	02/25/2013 03/01/2013	IP 71124.02	Occupational ALARA Planning and Controls	
1, 2	02/25/2013 03/01/2013	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1, 2	02/25/2013 03/01/2013	IP 71124.04	Occupational Dose Assessment	
1, 2	02/25/2013 03/01/2013	IP 71124.05	Radiation Monitoring Instrumentation	
1, 2	02/25/2013 03/01/2013	IP 711151	Performance Indicator Verification	
1, 2	04/29/2013 05/03/2013	<b>HS</b> IP 7111107T	<b>- TRIENNIAL HEAT SINK PERFORMANCE</b> Heat Sink Performance	1
1, 2	05/06/2013 05/10/2013	<b>MODS</b> IP 7111117T	<b>- PERM MODS 50.59 INSPECTION</b> Evaluations of Changes, Tests, or Experiments and Permanent Plant Modifications	3
1, 2	05/20/2013 05/24/2013	IP 7111117T	Evaluations of Changes, Tests, or Experiments and Permanent Plant Modifications	
1	08/12/2013 08/16/2013	<b>OL EXAM</b> V23401	<b>- INITIAL EXAM PREP</b> HATCH/SEPTEMBER 2012 INITIAL EXAM AT POWER FACILITIES	3
1	09/02/2013 09/06/2013	<b>OL EXAM</b> V23401	<b>- INITIAL EXAM WEEK 1</b> HATCH/SEPTEMBER 2012 INITIAL EXAM AT POWER FACILITIES	3
1	09/09/2013 09/13/2013	<b>OL EXAM</b> V23401	<b>- INITIAL EXAM WEEK 2</b> HATCH/SEPTEMBER 2012 INITIAL EXAM AT POWER FACILITIES	3

This report does not include INFO and OUTAGE activities.  
This report shows only on-site and announced inspection procedures.

Enclosure

Unit Number	Planned Dates Start End	Inspection Activity	Title	No. of Staff on Site
1, 2	09/16/2013 09/20/2013	PI&R IP 71152B	<b>- PROBLEM IDENTIFICATION AND RESOLUTION</b> Problem Identification and Resolution	5
1, 2	09/30/2013 10/04/2013	IP 71152B	Problem Identification and Resolution	
1, 2	10/22/2013 10/24/2013	HAT TFPI IP 7111105T	<b>- HAT - TRIENNIAL FIRE PROTECTION INSP</b> Fire Protection [Triennial]	4
1, 2	11/18/2013 11/22/2013	IP 7111105T	Fire Protection [Triennial]	
1, 2	12/09/2013 12/13/2013	IP 7111105T	Fire Protection [Triennial]	
1	11/04/2013 11/08/2013	LR71003 IP 71003	<b>- UNIT 1 POST APPROVAL LR PHASE 2</b> Post-Approval Site Inspection for License Renewal	5
1	11/18/2013 11/22/2013	IP 71003	Post-Approval Site Inspection for License Renewal	
1, 2	11/11/2013 11/15/2013	EP IP 7111401	<b>- EMERGENCY PREPAREDNESS EXERCISE</b> Exercise Evaluation	1
1, 2	11/11/2013 11/15/2013	IP 71151	Performance Indicator Verification	

Comments: