



**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.

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

(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	TI-177	- TI-177 CLOSEOUT	1
		IP 2515/177	Managing Gas Accumulation In Emergency Core Cooling, Decay Heat Removal & Containment Spray System	
1, 2	11/26/2012 11/30/2012	PSB1EP	- EMERGENCY PREPAREDNESS INSPECTION	2
		IP 7111402	Alert and Notification System Testing	
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 71151	Performance Indicator Verification	
1, 2	02/11/2013 02/15/2013	PSB1-RP	- RP OCCUPATIONAL BASELINE	3
		IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
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 71151	Performance Indicator Verification	
2	02/18/2013 02/22/2013	ISI	- UNIT 2 INSERVICE INSPECTION	1
		IP 7111108G	Inservice Inspection Activities - BWR	
1, 2	02/25/2013 03/01/2013	PSB1-RP	- RP OCCUPATIONAL BASELINE WEEK2	2
		IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
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 71151	Performance Indicator Verification	
1, 2	04/29/2013 05/03/2013	HS	- TRIENNIAL HEAT SINK PERFORMANCE	1
		IP 7111107T	Heat Sink Performance	
1, 2	05/06/2013 05/10/2013	MODS	- PERM MODS 50.59 INSPECTION	3
		IP 7111117T	Evaluations of Changes, Tests, or Experiments and Permanent Plant Modifications	
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	OL EXAM	- INITIAL EXAM PREP	3
		V23401	HATCH/SEPTEMBER 2012 INITIAL EXAM AT POWER FACILITIES	
1	09/02/2013 09/06/2013	OL EXAM	- INITIAL EXAM WEEK 1	3
		V23401	HATCH/SEPTEMBER 2012 INITIAL EXAM AT POWER FACILITIES	
1	09/09/2013 09/13/2013	OL EXAM	- INITIAL EXAM WEEK 2	3
		V23401	HATCH/SEPTEMBER 2012 INITIAL EXAM AT POWER FACILITIES	

This report does not include INPO and OUTAGE activities.

This report shows only on-site and announced inspection procedures.

Enclosure

Hatch

Inspection / Activity Plan

09/01/2012 - 12/31/2013

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

Comments: