



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

March 5, 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: ANNUAL ASSESSMENT LETTER - EDWIN I. HATCH NUCLEAR PLANT UNITS
1 AND 2 (REPORT 05000321/2011007 AND 05000366/2011007)**

Dear Mr. Madison:

On February 14, 2012, the NRC staff completed its end-of-cycle performance review of the Edwin I. Hatch Nuclear Plant. The NRC reviewed the most recent quarterly performance indicators (PIs) in addition to inspection results and enforcement actions from January 1, 2011, through December 31, 2011. 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 performance review and enclosed inspection plan do not include security information. A separate letter will include the NRC's assessment of your performance in the Security Cornerstone and its security-related inspection plan.

The NRC determined that overall, Hatch Units 1 and 2 operated in a manner that preserved public health and safety and met all cornerstone objectives. The NRC determined the performance at Hatch Units 1 and 2 for 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 performance indicators (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 June 30, 2013. Routine inspections performed by resident inspectors are not included in the inspection plan. The inspections listed during the last nine months of the inspection plan are tentative and may be revised at the mid-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. The NRC will also conduct temporary instructions 2515/177, "Managing Gas Accumulation in Emergency Core Cooling, Decay Heat Removal, and Containment Spray Systems (NRC Generic Letter 2008-01)" and 2515/182 "Review of the Implementation of the Industry Initiative to Control Degradation of Underground Piping and Tanks" and operator licensing examinations.

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In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter and its enclosure will be made 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.html> (the Public Electronic Reading Room).

If circumstances arise which cause us to change this inspection plan, we will contact you to discuss the change as soon as possible. Please contact me at (404) 997-4611 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

/RA/

Frank Ehrhardt, Chief
Reactor Projects Branch 2
Division of Reactor Projects

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

Enclosure: Hatch Inspection/Activity Plan (01/01/2012 – 06/30/2013)

cc w/encl: (See page 3)

cc w/encl:
S. Kuczynski
Chairman, President and CEO
Southern Nuclear Operating Company, Inc.
Electronic Mail Distribution

J. L. Pemberton
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

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

Bradley J. Adams
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. P. Hill
Licensing Supervisor
Southern Nuclear Operating Company, Inc.
Electronic Mail Distribution

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

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

(cc w/encl cont'd – See page 4)

(cc w/encl cont'd)

Senior Resident Inspector
U.S. Nuclear Regulatory Commission
Edwin I. Hatch Nuclear Plant
U.S. NRC
11030 Hatch Parkway N
Baxley, GA 30334

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

Al Frazier
Emergency Response and Radiation
Program Manager
Environmental Protection Division
Georgia Department of Natural Resources
Electronic Mail Distribution

Judson H. Turner
Director
Environmental Protection Division
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

James A. Capp
Program Coordination Branch Chief
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
03/01/2012 - 06/30/2013

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			EB3 LR - UNIT 1 POST APPROVAL LR - PHASE 1		2
1	02/27/2012	03/02/2012	IP 71003	Post-Approval Site Inspection for License Renewal	
			PSB1-RP - RADIOLOGICAL HAZARDS ASSESEMENT		1
1,2	02/27/2012	03/02/2012	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
			TI-177 - TI-177		3
1,2	04/16/2012	04/20/2012	IP 2515/177	Managing Gas Accumulation In Emergency Core Cooling, Decay Heat Removal & Containment Spray System	
			OL EXAM - INITIAL EXAM PREP		2
1	05/28/2012	06/01/2012	V23374	HATCH / JUNE 2012 EXAM AT POWER FACILITIES	
			CDBI - COMPONENT DESIGN BASES INSPECTION		7
1,2	06/04/2012	06/08/2012	IP 7111121	Component Design Bases Inspection	
1,2	06/25/2012	06/29/2012	IP 7111121	Component Design Bases Inspection	
1,2	07/09/2012	07/13/2012	IP 7111121	Component Design Bases Inspection	
1,2	07/23/2012	07/27/2012	IP 7111121	Component Design Bases Inspection	
			OL EXAM - INITIAL EXAM - WEEK 1		2
1	06/18/2012	06/22/2012	V23374	HATCH / JUNE 2012 EXAM AT POWER FACILITIES	
			OL EXAM - INITIAL EXAM - WEEK 2		2
1	06/25/2012	06/29/2012	V23374	HATCH / JUNE 2012 EXAM AT POWER FACILITIES	
			PSB1-RP - PUBLIC RADIATION PROTECTION BASELINE		4
1,2	07/16/2012	07/20/2012	IP 2515/173	Review of the Implementation of the Industry Ground Water Protection Voluntary Initiative	
1,2	07/16/2012	07/20/2012	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	
1,2	07/16/2012	07/20/2012	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
1,2	07/16/2012	07/20/2012	IP 71151	Performance Indicator Verification	
			OL RQ - REQUAL INSPECTION		2
1,2	08/27/2012	08/31/2012	IP 7111111B	Licensed Operator Requalification Program	
			TI-182 - TI-182 BURIED PIPING/TANK - PHASE 1		1
1,2	09/10/2012	09/14/2012	IP 2515/182	Review of the Implementation of the Industry Initiative to Control Degradation of Underground Piping	
			PSB1EP - EMERGENCY PREPAREDNESS INSPECTION		2
1,2	11/26/2012	11/30/2012	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	
			MODS - PERM MODS 50.59 INSPECTION		4
1,2	01/14/2013	01/18/2013	IP 7111117T	Evaluations of Changes, Tests, or Experiments and Permanent Plant Modifications	

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

Hatch
Inspection / Activity Plan
03/01/2012 - 06/30/2013

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			MODS - PERM MODS 50.59 INSPECTION		4
1,2	01/28/2013	02/01/2013	IP 711117T	Evaluations of Changes, Tests, or Experiments and Permanent Plant Modifications	
			PSB1-RP - RP OCCUPATIONAL BASELINE		4
1,2	02/11/2013	02/15/2013	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	
			ISI - UNIT 2 INSERVICE INSPECTION		1
2	02/18/2013	02/22/2013	IP 7111108G	Inservice Inspection Activities - BWR	
			PSB1-RP - RP OCCUPATIONAL BASELINE WEEK2		3
1,2	02/25/2013	03/01/2013	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	
			HS - TRIENNIAL HEAT SINK PERFORMANCE		1
1,2	05/06/2013	05/10/2013	IP 7111107T	Heat Sink Performance	