



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

September 1, 2009

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

Dear Mr. Madison:

On August 11, 2009, the NRC staff completed its performance review of Edwin I. Hatch Nuclear Plant. Our technical staff reviewed performance indicators (PIs) for the most recent quarter and inspection results for the period from July 1, 2008, through June 30, 2009. The purpose of this letter is to inform you of our assessment of your safety performance during this period and our plans for future inspections at your facility.

This performance review and enclosed inspection plan do not include security information. A separate letter designated and marked as "Official Use Only--Security Related Information" will include the Security Cornerstone review and resultant inspection plan.

Plant performance for the most recent quarter at Hatch Units 1 and 2 was within the Regulatory Response column of the NRC's Action Matrix based upon a White inspection finding in the Mitigating Systems Cornerstone which was issued first quarter 2009 for the 1B EDG coupling failure. A supplemental inspection is required using Inspection Procedure 95001 "Inspection for One or Two White Inputs in a Strategic Performance Area." Once the NRC is notified by your staff of your readiness for the NRC to conduct this supplemental inspection, we will schedule an inspection. All Performance Indicators during the assessment period were Green.

The enclosed inspection plan details the inspections, less those related to security scheduled through December 31, 2010. In addition to reactor oversight process (ROP) baseline inspection activities, we also plan on conducting infrequently performed inspections, which include Temporary Instruction (TI) 2515/173, Review of the Implementation of the Industry Groundwater Protection Voluntary Initiative; and operator licensing inspections. The inspection plan is provided to allow for the resolution of any scheduling conflicts and personnel availability issues well in advance of inspector arrival onsite. Routine resident inspections are not listed due to their ongoing and continuous nature. The inspections in the last nine months of the inspection plan are tentative and may be revised at the end-of-cycle review.

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/adams.html> (the Public Electronic Reading Room).

As you may know, the NRC is currently evaluating the scope and frequency of all the baseline inspection procedures. If the results of the evaluation, or any other circumstances, cause us to change the inspection plan, we will contact you to discuss the change as soon as possible. Please contact Scott Shaeffer at 404-562-4521 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

/RA/

Leonard D. Wert, Jr., Director
Division of Reactor Projects

Docket Nos.: 50-321, 50-366 and 72-036
License Nos.: DPR-57 and NPF-5

cc w/Encl.: (See page 3)

Enclosure: Hatch Inspection/Activity Plan

cc w/encl:
Angela Thornhill
Managing Attorney and Compliance Officer
Southern Nuclear Operating Company, Inc.
Electronic Mail Distribution

Jeffrey T. Gasser
Executive Vice President
Southern Nuclear Operating Company, Inc.
Electronic Mail Distribution

Raymond D. Baker
Licensing Manager
Licensing - Hatch
Southern Nuclear Operating Company, Inc.
Electronic Mail Distribution

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

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

Moanica Caston
Vice President and General Counsel
Southern Nuclear Operating Company, Inc.
Electronic Mail Distribution

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

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

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

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

Dr. Carol Couch
Director
Environmental Protection
Department of Natural Resources
Electronic Mail Distribution

Cynthia Sanders
Program Manager
Radioactive Materials Program
Department of Natural Resources
Electronic Mail Distribution

Jim Sommerville
(Acting) Chief
Environmental Protection Division
Department of Natural Resources
Electronic Mail Distribution

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

Mr. 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

Hatch
Inspection / Activity Plan
07/01/2009 - 12/31/2010

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			ISFSI - ROUTINE ISFSI LOADING		2
1,2	06/01/2009	10/15/2009	IP 60855.1	Operation of an Independent Spent Fuel Storage Installation at Operating Plants	
			PI&R - PRE INSPECTION		1
1,2	08/31/2009	09/04/2009	IP 71152B	Identification and Resolution of Problems	
			OL EXAM - INITIAL EXAM PREP		7
1	10/05/2009	10/09/2009	V23320	HATCH/OCTOBER 2009 EXAM AT POWER FACILITIES	
			PSB1EP - EMERGENCY PREPAREDNESS EXERCISE		3
1,2	10/12/2009	10/16/2009	IP 7111401	Exercise Evaluation	
1,2	10/12/2009	10/16/2009	IP 7111404	Emergency Action Level and Emergency Plan Changes	
1,2	10/12/2009	10/16/2009	IP 71151	Performance Indicator Verification	
			PI&R - PROBLEM IDENTIFICATION AND RESOLUTION		3
1,2	10/19/2009	10/23/2009	IP 71152B	Identification and Resolution of Problems	
1,2	11/02/2009	11/06/2009	IP 71152B	Identification and Resolution of Problems	
			OL EXAM - INITIAL EXAM - WEEK 1		5
1	10/26/2009	10/30/2009	V23320	HATCH/OCTOBER 2009 EXAM AT POWER FACILITIES	
			OL EXAM - INITIAL EXAM - WEEK 2		5
1	11/02/2009	11/06/2009	V23320	HATCH/OCTOBER 2009 EXAM AT POWER FACILITIES	
			PSB1-RP - RP PUBLIC RADIATION PROTECTION BASELINE		4
1,2	01/25/2010	01/29/2010	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment	
1,2	01/25/2010	01/29/2010	IP 7112201	Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems	
1,2	01/25/2010	01/29/2010	IP 7112203	Radiological Environmental Monitoring Program (REMP) And Radioactive Material Control Program	
1,2	01/25/2010	01/29/2010	IP 71151	Performance Indicator Verification	
			EB3ISI - UNIT 1 ISI		1
1	02/15/2010	02/19/2010	IP 7111108G	Inservice Inspection Activities - BWR	
			EB3 HS - HEAT SINK INSPECTION		1
1,2	02/22/2010	02/26/2010	IP 7111107T	Heat Sink Performance	
			PSB1-RP - RP ACCESS CONTROLS		2
1,2	03/01/2010	03/05/2010	IP 7112101	Access Control to Radiologically Significant Areas	
			EB1-MODS - MODIFICATIONS-10CFR50.59		3
1,2	05/03/2010	05/07/2010	IP 7111117T	Evaluations of Changes, Tests, or Experiments and Permanent Plant Modifications	
1,2	05/10/2010	05/14/2010	IP 7111117T	Evaluations of Changes, Tests, or Experiments and Permanent Plant Modifications	
			PSB1-RP - RP GROUNDWATER PROTECTION		1
1,2	05/17/2010	05/21/2010	IP 2515/173	Review of the Implementation of the Industry Ground Water Protection Voluntary Initiative	
			OL RQ - REQUAL INSPECTION		3
1,2	07/19/2010	07/23/2010	IP 7111111B	Licensed Operator Requalification Program	

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

Enclosure

Hatch
Inspection / Activity Plan
07/01/2009 - 12/31/2010

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
PSB1EP - EMERGENCY PREPAREDNESS INSPECTION					1
1,2	10/18/2010	10/22/2010	IP 7111402	Alert and Notification System Testing	
1,2	10/18/2010	10/22/2010	IP 7111403	Emergency Response Organization Augmentation Testing	
1,2	10/18/2010	10/22/2010	IP 7111404	Emergency Action Level and Emergency Plan Changes	
1,2	10/18/2010	10/22/2010	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies	
1,2	10/18/2010	10/22/2010	IP 71151	Performance Indicator Verification	
1 - TFPI					6
1,2	11/15/2010	11/19/2010	IP 7111105T	Fire Protection [Triennial]	
1,2	11/29/2010	12/03/2010	IP 7111105T	Fire Protection [Triennial]	

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Enclosure