



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

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SIGNATURE	SMS /RA for/	SMS /RA/	JTM /RA/				
NAME	TLighty	SShaefffer	JMunday				
DATE	08/31/2009	08/31/2009	08/31/2009				
E-MAIL COPY?	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO

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Letter to Dennis R. Madison from Leonard D. Wert, Jr. dated September 1, 2009

SUBJECT: MID-CYCLE PERFORMANCE REVIEW AND INSPECTION PLAN – EDWIN I.
HATCH NUCLEAR PLANT

Distribution w/encl:

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ROP Reports

Institute of Nuclear Power (INPO)