



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

April 3, 2014

Mr. C. R. Pierce
Regulatory Affairs Director
Southern Nuclear Operating Company, Inc.
Post Office Box 1295, Bin - 038
Birmingham, AL 35201-1295

SUBJECT: HATCH NUCLEAR PLANT, UNITS 1 AND 2 – REQUEST FOR
ADDITIONAL INFORMATION (TAC NOS. MF3374 and MF3375)

Dear Mr. Pierce:

By letter dated January 16, 2014, (Agencywide Documents Access and Management System Accession No. ML14016A202) Southern Nuclear Operating Company (SNC), a licensee of Edwin I. Hatch Nuclear Plant, Units 1 and 2 (HNP), submitted a License Amendment Request pursuant to the requirements of Title 10 of the *Code of Federal Regulations* Parts 50 and 73. SNC requests that the U.S. Nuclear Regulatory Commission (NRC) review and approval of a revision to the HNP Technical Specification 3.7.5, Control Room Air Conditioning System, for the HNP. The purpose of the revision is to provide new Required Actions for one, two, or three Main Control Room air conditioning subsystems inoperable, and make other required corresponding changes.

The NRC staff finds that additional information is needed as set forth in the Enclosure. Please provide the additional information within thirty (30) days of the date of this letter.

Sincerely,

A handwritten signature in black ink, reading "Robert E. Martin".

Robert E. Martin, Senior Project Manager
Plant Licensing Branch II-1
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket Nos. 50-321 and 50-366

Enclosure:
Request for Additional Information

cc w/encl: Distribution via Listserv

REQUEST FOR ADDITIONAL INFORMATION
BY THE OFFICE OF NUCLEAR REACTOR REGULATION
SOUTHERN NUCLEAR OPERATING COMPANY, INC.
EDWIN I. HATCH NUCLEAR PLANT, UNITS 1 AND 2

The NRC staff requests the following additional information:

1. Please identify the emergency safety functions of the Main Control Room (MCR) Air Conditioning (AC) Systems and discuss the licensing basis analyses of Design-Basis Accidents (DBA) consequences. Please identify specific Updated Final Safety analysis Report (UFSAR) sections where the MCR AC systems isolation configuration is described (does it rely on recirculation or outside air supply).
2. Please provide a summary of the HNP Control Room Area heat load analysis. Please include inputs, assumptions and boundary conditions utilized. Discuss against the cooling capacity of the MCR AC system, with one or two trains out of service and including limiting outside/inside air temperatures for each case.
3. Please explain what is the minimum system configuration needed in order to perform the systems emergency safety function (e.g., failures of emergency fans, chilled water pump trip, manual restart of the different control room Heating, Ventilation, and Air Conditioning (HVAC) trains, Loss Of Offsite Power (LOOP), and Station Blackout (SBO)).
4. Please provide a summary of the operational history of the Control Room AC system.
5. Please indicate how movements of loads over irradiated fuel assemblies are controlled. Please discuss against the definition of Core Alterations used in the TS.
6. Please indicate the administrative procedures that would be put in place in order for operators to keep track of the MCR inside air temperature.
7. Please discuss any compensatory measures considered in case the MCR area temperature approximates the equipment temperature limit of 105 °F (i.e. supplementary cooling).

Enclosure

April 3, 2014

Mr. C. R. Pierce
Regulatory Affairs Director
Southern Nuclear Operating Company, Inc.
Post Office Box 1295, Bin - 038
Birmingham, AL 35201-1295

SUBJECT: HATCH NUCLEAR PLANT, UNITS 1 AND 2 – REQUEST FOR
ADDITIONAL INFORMATION (TAC NOS. MF3374 and MF3375)

Dear Mr. Pierce:

By letter dated January 16, 2014, (Agencywide Documents Access and Management System Accession No. ML14016A202) Southern Nuclear Operating Company (SNC), a licensee of Edwin I. Hatch Nuclear Plant, Units 1 and 2 (HNP), submitted a License Amendment Request pursuant to the requirements of Title 10 of the *Code of Federal Regulations* Parts 50 and 73. SNC requests that the U.S. Nuclear Regulatory Commission (NRC) review and approval of a revision to the HNP Technical Specification 3.7.5, Control Room Air Conditioning System, for the HNP. The purpose of the revision is to provide new Required Actions for one, two, or three Main Control Room air conditioning subsystems inoperable, and make other required corresponding changes.

The NRC staff finds that additional information is needed as set forth in the Enclosure. Please provide the additional information within thirty (30) days of the date of this letter.

Sincerely,

/RA/

Robert E. Martin, Senior Project Manager
Plant Licensing Branch II-1
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket Nos. 50-321 and 50-366

Enclosure:
Request for Additional Information

cc: Distribution via Listserv

DISTRIBUTION:

PUBLIC	LPL2-1R/F	RTorres, NRR
RidsAcrcAcnw_MailCTR Resource	RidsNrrDorIDpr Resource	RidsRgn2MailCenter Resource
RidsNrrLASFigueroa Resource	RidsNrrDorLpl2-1 Resource	RidsNrrPMHatch Resource

ADAMS Accession No.: ML14091A122

*By email dated

OFFICE	DORL/LPL2-1/PM	DORL/LPL2-1/LA	DE/EVIB/BC	DORL/LPL2-1/BC	DORL/LPL2-1/PM
NAME	RMartin	SFigueroa	RDennig	RPascarelli	RMartin
DATE	04/03/14	04/03/14	03/27/14 *	04/03/14	04/03/14

OFFICIAL RECORD COPY