

August 31, 2006

Mrs. Mary G. Korsnick
Vice President R.E. Ginna Nuclear Power Plant
R.E. Ginna Nuclear Power Plant, LLC
1503 Lake Road
Ontario, NY 14519

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION REGARDING TEST
FREQUENCY FOR ACCUMULATOR BORON CONCENTRATION, R.E. GINNA
NUCLEAR POWER PLANT (TAC NO. MD0686)

Dear Mrs. Korsnick:

By letter dated March 28, 2006, R.E. Ginna Nuclear Power Plant, LCC requested a change to the test frequency for boron concentration in the emergency core cooling system accumulators in Technical Specification Surveillance Requirement 3.5.1.4.

The Nuclear Regulatory Commission (NRC) has reviewed the information provided in the application and has determined that additional information is needed to complete its review. Enclosed is the NRC staff's request for additional information (RAI). This RAI was discussed with your staff on August 30, 2006, and it was agreed that your response would be provided within 60 days from the date of this letter.

Sincerely,

/RA/

Patrick D. Milano, Senior Project Manager
Plant Licensing Branch I-1
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket No. 50-244

Enclosure:
RAI

cc w/encl: See next page

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REQUEST FOR ADDITIONAL INFORMATION

R. E. GINNA NUCLEAR POWER PLANT

TESTING FREQUENCY FOR EMERGENCY CORE COOLING SYSTEM

ACCUMULATOR BORON CONCENTRATION

DOCKET NO. 50-244

By letter dated March 28, 2006, R.E. Ginna Nuclear Power Plant, LCC (the licensee) requested a change to the test frequency for boron concentration in the emergency core cooling system (ECCS) accumulators in R.E. Ginna Nuclear Power Plant (Ginna) Technical Specifications (TSs) Surveillance Requirement (SR) 3.5.1.4. The current TS SR 3.5.1.4 requires the boron concentration to be verified every 31 days on a staggered test basis. This requirement is met by taking a sample from one of the accumulators every 31 days. The proposed change would require leakage into the ECCS accumulators to be monitored every 12 hours and a sample to be taken every 6 months for an analysis.

To complete its review, the Nuclear Regulatory Commission (NRC) staff requests the following additional information:

1. To justify the proposed change of SRs, the licensee evaluated ECCS accumulator levels, volume addition, leakage in, leakage out and sample concentrations for an 8-month period between April 2005 and December 2005. This time interval was chosen because it was considered to be representative of accumulator behavior since 2003.

Explain what parameters were considered to determine the representative behavior since 2003.

2. List all the possible sources of water that could leak into or out of the accumulator. Indicate those sources that were not included in the analysis, and why.
3. During a 6-month period, 283 gallons of water was added to accumulator B to maintain level and boron concentration within the prescribed limit.

What was the boron concentration of the added water.

4. How were the values of V_1 and V_2 determined? What does the volume of 8311 gallons represent, and what does 15% mean?
5. Provide a more detailed description of the level instrumentation and how the instrumentation correlates levels of the liquid in the accumulator to corresponding volumes. In order to understand how the system works, physical arrangements of the different components of the system should be described.

Enclosure