

August 23, 2000

Mr. James Knubel
Chief Nuclear Officer
Power Authority of the State of
New York
123 Main Street
White Plains, NY 10601

SUBJECT: JAMES A. FITZPATRICK NUCLEAR POWER PLANT - QUESTIONS RELATED
TO THE FITZPATRICK SUPPRESSION POOL

Dear Mr. Knubel:

By letter dated June 30, 2000, you responded to our request for additional information, dated June 22, 2000, concerning the suppression pool. Our continuing review leads to additional questions (see enclosure) on this subject. We have previously e-mailed the questions to your staff in draft form. Your staff stated that you plan to respond to these questions within 30 days after receipt of this formal request.

Sincerely,

/RA by Peter S. Tam for/

Guy S. Vissing, Senior Project Manager, Section 1
Project Directorate I
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

Docket No. 50-333

Enclosure: As stated

cc w/encl: See next page

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OFFICIAL RECORD COPY

*see previous concurrence

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Mr. James Knubel
Chief Nuclear Officer
Power Authority of the State of New York
123 Main Street
White Plains, NY 10601

REQUEST FOR ADDITIONAL INFORMATION
RELATED TO THE FITZPATRICK SUPPRESSION POOL ISSUE

1. We need information related to the recently issued GE SIL 630:
 - a. What is your response to the new GE SIL?
 - b. What is the probability of the wireway failure addressed in the SIL?
2. How are the core spray pumps, low-pressure coolant injection (LPCI) pumps and their associated valves powered? Please provide sketches or schematics.
3. Is each injection valve powered from redundant power sources and, if so, how are the cables for these valves physically separated?
4. How are the core spray pumps, LPCI pumps and their associated valve cables routed?
5. In reference to your letter of June 30, 2000, we would like to know more about a calculation you made for suppression pool temperature. Specifically, your calculation # DE&S A384.F02-04 Rev. 1 discusses suppression pool heating. Page 19 states that the maximum suppression pool temperature could be 204 °F including a 37 °F allowance for bulk to local temperature differences. A separate calculation in response to NRC Generic Letter 96-04 states that the maximum suppression pool temperature can be as high as 213 °F. The higher temperature apparently accounts for an increase in allowable lake water temperature and a power upgrade.

Does the later suppression pool temperature calculation account for the bulk to local temperature difference? Please provide a brief description of the derivation of the 213 °F suppression temperature.