



OFFICE OF THE
COMMISSIONER

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

May 22, 1985

MEMORANDUM FOR: William J. Dircks
Executive Director for Operations

FROM: James K. Asselstine *[Signature]*

SUBJECT: GESSAR

As you know, the Commission has approved the Severe Accident Policy Statement by notation vote, with minor comments. Therein, the Commission has established the following policy for new designs:

"The Commission believes that a new design for a nuclear power plant (as well as a proposed custom plant) can be shown to be acceptable for severe accident concerns if it meets the following criteria and procedural requirements [among others]:

- a. Demonstration of compliance with the procedural requirements and criteria of the current Commission regulations, including the Three Mile Island requirements for new plants as reflected in the CP Rule [10 CFR 50.34(f)];
- b. Demonstration of technical resolution of all applicable Unresolved Safety Issues and the medium- and high-priority Generic Safety Issues, including a special focus on assuring the reliability of decay heat removal systems and the reliability of both AC and DC electrical supply systems..."

I would appreciate a brief description of how GESSAR has demonstrated: (a) compliance with § 50.44(c)(3)(iv) and (b) technical resolution of USI's A-47, A-46, A-45, A-44 and A-17.

To the extent practicable, the description should draw a distinction between current BWR6/MARK III designs and the GESSAR design.

cc: Chairman Palladino
Commissioner Roberts
Commissioner Bernthal
Commissioner Zech
OPE
OGC
SECY

Rec'd CH. EDO
Date... 5-22-85
Time... 1:30 PM

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