

SEP 21 1973

Docket No. 50-286

Mr. Harold Mangelsdorf
Chairman, Advisory Committee
on Reactor Safeguards
U. S. Atomic Energy Commission
Washington, D. C. 20545

Dear Mr. Mangelsdorf:

Sixteen copies of the Safety Evaluation Report (SER) prepared by the Directorate of Licensing in the matter of Consolidated Edison of New York's Indian Point 3 plant are enclosed for review by the Committee. Copies of the SER have been forwarded to the applicant and the Public Document Rooms.

With the exception of three matters, we consider our radiological safety review of Indian Point 3 to be complete. These matters are under review by the applicant and ourselves. The resolution of these matters will be discussed in a supplement to the SER.

1. Service Water (Section 9.2)

An inadvertent valve closure or a pipe break in the nuclear header of the service water system could result in the overheating and eventual loss of all three diesels. The applicant claims that it has about one hour to manually switch from the nuclear header to the conventional header following this postulated break, assuming that the diesels were supplying power to the minimum number of engineered safety features. In order to accept this approach for coping with failures in the nuclear header, the applicant has to verify this one hour time period and show that all necessary actions required to restore adequate diesel cooling can be accomplished in this time period. If the applicant cannot substantiate this approach to our satisfaction, then we will require a design modification. We will be meeting with the applicant on October 3, 1973 to discuss this matter further.

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2. Fuel Densification (Section 6.5)

A preliminary fuel densification report for this facility was filed in April, 1973 and final report was just filed in August, 1973. The earlier report was reviewed and accepted. The final report, which mainly supports the conclusions given in the preliminary report, has to be reviewed. However, we do not anticipate any major problem in this regard.

3. Effluent Treatment (Section 11)

The staff review of the radioiodine monitoring capability concluded that additional monitoring is required. The applicant was informed of this by letter, dated July 17, 1973 and has replied to the AEC on August 21, 1973. The applicant's response is still under review. It is anticipated that this matter will be resolved in a timely manner.

Sincerely,

Original signed by R. C. DeYoung

R. C. DeYoung, Assistant Director
for Pressurized Water Reactors
Directorate of Licensing - Regulation

Enclosure:
As stated

Distribution:

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- H. Specter
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