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SEP 12 1973

R. Boyd

Docket No. 50-286

R. C. DeYoung, Assistant Director for Pressurized Water Reactors, L  
THRU: D. B. Vassallo, Chief, PWR-1, L

**OUTSTANDING ITEMS FOR INDIAN POINT 3 SAFETY EVALUATION REPORT**

The Indian Point 3 Safety Evaluation Report is due to be published September 14, 1973. Listed below are three items that are outstanding.

We plan to complete our review of these three items in time to present our conclusions in the supplement to the Safety Evaluation Report which is scheduled for completion by January 4, 1974. Based upon the above, we conclude that the Safety Evaluation Report is sufficiently complete to permit publication at this time.

**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.

**2. Effluent Treatment (Section 11)**

The staff evaluation, based on input from the Effluents Treatment Branch and Environmental Projects, concludes that the radioactive waste systems do not satisfy "as low as practicable" guidelines. This is primarily due to intermittent treatment of the steam generator blowdown.

Additionally, the radioiodine monitoring capability must be modified to include monitoring of the plant vent and the steam generator flash tank vent.

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The applicant was informed by letter, dated July 17, 1973, of these deficiencies in the effluent treatment system. A response to the AEC letter was sent from Consolidated Edison to George Knighton on August 21, 1973. Because the Final Environmental Statement is scheduled for completion by December 20, 1973, it is anticipated that the problems with the effluent treatment system will be resolved prior to the SER Supplement due date.

### 3. Fuel Densification (Section 6.5)

A preliminary fuel densification report for this facility was filed in April, 1973 and a 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. Technical Specification information is contained in the August submittal. The final report will be reviewed and our conclusions will be given in a supplement to the Safety Evaluation Report.

Original signed by  
H. Specter

H. Specter, Project Manager  
Pressurized Water Reactors  
Branch No. 1  
Directorate of Licensing

cc: A. Giambusso

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