APR 4 1985

Docket No.: 50-400

Mr. E. E. Utley
Executive Vice President
Power Supply and Engineering and
Construction
Carolina Power & Light Company
Post Office Box 1551
Raleigh, North Carolina 27602

Dear Mr. Utley:

Subject: Shearon Harris, Unit 1 - Request for Additional Information in Regard to the Offsite Dose Calculational Manual

Dear Mr. Utley:

We have completed our initial evaluation of the Offsite Dose Calculational Manual which was submitted by Carolina Power and Light Company letter dated August 31, 1984 and find that additional information, as described in the enclosure, is required to continue our review.

Sincerely,

ORIGINAL SIGNED BY

George W. Knighton, Chief
Licensing Branch No. 3
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Enclosure:
As stated

cc: See next page

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DL:LB#3	DL:LB#3
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3/25/85	4/2/85

Shearon Harris

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Shearon Harris, Unit 1
Request for Additional Information - ODCM Review

Subject	Page No.	Comments
Liquid Setpoint	2-7	Although the Applicant indicated that the Normal Service Water (NSW) is monitored and covered by T/S 3.3.3.0, the Applicant has not provided a setpoint calculation for such a monitor. Also, the Applicant's Figure 2.1-2 does not show such a flow path in the flow stream diagram. Provide the setpoint calculation for the NSW monitor, and revise Figure 2.1-2, as appropriate.
Total Dose (Section 6.2)	6-1	Under assumption (4), the Applicant stated, "To sum numbers represented as 'less than' (<), use the value of the largest number in the group. (i.e., <5+<1+<1+<3=<5)". Provide the basis for this assumption.
Direct Radiation (Section 6.3.1)	6-2	Under Applicant's Step (1), the Applicant stated that the direct radiation dose at the plant boundary in each sector will be determined. The Applicant, however, has not indicated by what method this direct radiation dose will be obtained. Provide the method for estimating doses from direct radiation.
Other Uranium Cycle Sources (Section 6.3.4)	6-3	The Applicant stated that dose from other fuel cycle sources will be treated as <1 mrem/yr. Provide the basis for this statement.