

June 3, 1986

Docket Nos. 50-325/324

Mr. E. E. Utley
Senior Executive Vice President
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Carolina Power & Light Company
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Dear Mr. Utley:

SUBJECT: OFFSITE DOSE CALCULATION MANUAL, REVISION 4

Re: Brunswick Steam Electric Plant, Units 1 and 2

By letter dated August 23, 1985, the Carolina Power & Light Company provided as a reference document the Offsite Dose Calculation Manual (ODCM), Revision 4, for Brunswick Steam Electric Plant (BSEP), Units 1 and 2. The ODCM, Revision 4 was submitted as Attachment 3 to the Semiannual Radioactive Effluent Release Report for the period January 1 to June 30, 1985.

The NRC staff has reviewed the ODCM as revised through Revision 4. The staff finds that this ODCM generally uses documented and approved methods that are consistent with the methodology and guidance in NUREG-0123, "Preparation of Radiological Effluent Technical Specifications for Nuclear Power Plants, A Guidance Manual for Users of Standard Technical Specifications." Also, the changes incorporated in Revisions 3 and 4 are in compliance with BSEP Units 1 and 2 Technical Specification 6.1.3.2. We therefore conclude that the ODCM, Revision 4 is an acceptable reference for use with the BSEP Technical Specifications. The staff's Safety Evaluation is enclosed.

There are three areas where minor discrepancies have been noted in Revision 4 which should be addressed in a further revision to the ODCM within six months of the date of this letter. As noted in the Safety Evaluation, methods for estimating iodine-133 in the sampling and analysis program in accordance with NRC staff guidance should be documented in the ODCM. In addition, inconsistencies should be resolved relative to gaseous dose calculations and sampling locations as identified in the Safety Evaluation.

Sincerely,

Original signed by/

Daniel R. Muller, Director
BWR Project Directorate #2
Division of BWR Licensing

Enclosure: As stated

cc w/enclosure: See next page

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SNorris:rs
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Mr. E. E. Utley
Carolina Power & Light Company

Brunswick Steam Electric Plant
Units 1 and 2

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