

May 16, 1985

Docket Nos. 50-325/324

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

Dear Mr. Utley:

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SUBJECT: COMBUSTION OF RADIOACTIVELY CONTAMINATED WASTE OIL

Re: Brunswick Steam Electric Plant, Units 1 and 2

By letter dated November 21, 1983, as supplemented April 20, 1984, Carolina Power & Light Company (CP&L) requested NRC's approval pursuant to 10 CFR 20.302(a) to dispose of waste lubricating oils which contain trace amounts of licensed radioactive material by onsite combustion at the Brunswick Steam Electric Plant.

CP&L proposed to dispose of 12,000 gallons of oil containing about 21  $\mu$ Ci of Co-60 the first year, and 2,000 gallons of oil containing no more than 50  $\mu$ Ci of radioactivity (mainly Co-60) each succeeding year for the life of the plant. Over the life of the plant, the proposed method of disposal will save at least \$1.7 million and preserve 25,000 cubic feet burial space at low level waste disposal sites.

Based on the results of our review, we approve CP&L's request to dispose of the 12,000 gallons of contaminated oil in the incinerator as proposed by the application. Details of our review may be found in our environmental assessment of the one-time burning of 12,000 gallons of oil containing about 21  $\mu$ Ci of Co-60 (50 FR 20014).

CP&L has also requested approval to burn 2,000 gallons of contaminated oil annually. The Technical Specifications will need to be amended to permit continued burning following the initial 12,000 gallons. CP&L should submit a separate request for an amendment to the licenses to change the Technical Specifications for this purpose.

Sincerely,

Original signed by/

Domenic B. Vassallo, Chief  
Operating Reactors Branch #2  
Division of Licensing

cc: See next page

DL:ORB#2  
SNorris:ajs  
05/16/85

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DL:ORB#2  
DVassallo  
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Mr. E. E. Utley  
Carolina Power & Light Company  
Brunswick Steam Electric Plant; Units 1 and 2

cc:

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