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 50-287 Oconee Nuclear Station, Unit 3, Duke Power Co. 05000287

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SUBJECT: Submits listed info re prevention of significant deterioration permit for incinerator, per 850610 & 1213 requests for NRC approval to operate low level radwaste incinerator at facility.

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May 9, 1986

Mr. Harold R. Denton, Director
Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Attention: Mr. John F. Stolz, Project Director
PWR Project Directorate No. 6

Subject: Oconee Nuclear Station
Docket Nos. 50-269, -270, -287

Dear Sir:

By letter dated June 10, 1985, Duke Power Company (Duke) requested specific NRC approval to operate a low level radioactive waste incinerator at the Oconee Nuclear Station. The report transmitted by the June 10, 1985 letter was revised by a Duke letter dated December 13, 1985. In subsequent discussions with members of the NRC Staff, information concerning the Prevention of Significant Deterioration (PSD) permit for the incinerator was requested. The following paragraphs provides the requested information.

No permit is required, since the emissions from the incinerator are exempt from permitting requirements under Regulations No. 62.1 Section II.E.2.(g) of the South Carolina Department of Health and Environmental Control (SCDHEC) Air Pollution Control Regulations. The maximum limits, below which no PSD permit is required are 250 tons per year of certain specific contaminants in the offgas exhaust. The incinerator to be utilized at Oconee has been tested on numerous types of materials known to be in, or having the potential to enter, plant waste streams. These tests quantified the combustion efficiency and resulting gas stream effluents. All of the tests have demonstrated that the only measurable contaminants of regulatory concern are SO₂, NO_x and CO, and their concentrations in the stack exhaust are less than 150 ppm each.

The total annual mass of these contaminants, released via the stack exhaust, is less than two tons per year per contaminant, assuming 24 hours per day, 365 day per year operation at maximum process rates. For particulates the estimated stack effluent is less than 10 pound per year.

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Asol
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Mr. Harold R. Denton, Director

May 9, 1986

Page Two

In addition to meeting the above limits, Duke has contacted the South Carolina Department of Health and Environmental Control (SCDHEC) Bureau of Air Quality Control. After describing the incinerator size, materials to be burned, the air control equipment, and the particulate, SO₂ and NO_x emissions, the State concurred with Duke that the incinerator would be exempt from permitting requirements.

Very truly yours,

H.B. Tucker / HBT
Hal B. Tucker

PFG:slb

xc: Dr. J. Nelson Grace, Regional Administrator
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Mr. J. C. Bryant
NRC Resident Inspector
Oconee Nuclear Station