NRC FORM 195 (2-76)

U.S. NUCLEAR REGULATORY COMMISSION

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DOCKET NUMBER: 50-269/270/287

FILE NUMBER: ENVIRO

TO: Mr. B.C. Rusche

FROM: Duke Power Co.
Charlotte, N.C. 28242
Wm. O. Parker

DATE OF DOCUMENT: 9-1-76

DATE RECEIVED: 9-7-76

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DESCRIPTION: Ltr requesting for amdt to Enviro Tech Specs in order to revise control of station chemical effluents with attached Table 1.2-1....

ENCLOSURE

PLANT NAME: Oconee 1-2-3

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ACKNOWLEDGED

FOR ACTION/INFORMATION ENVIRO DHL 9-13-76

SAFETY			ENVIRO	
	ASSIGNED AD:		☒	ASSIGNED AD: Moore
☒	BRANCH CHIEF:	Schwencer		BRANCH CHIEF:
	PROJECT MANAGER:			PROJECT MANAGER:
☒	LIC. ASST.:	Sheppard		LIC. ASST.:

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	HARLESS		PAWLICKI		STELLO		
							SITE TECH.
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	P. COLLINS		NOVAK		SHAO		HULMAN
	HOUSTON		ROSZTOCZY		BAER		
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	MELTZ			☒	GRIMES	☒	VOLLMER
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☒	LPDR: WAHALLA, S.C.	NAT LAB:		BROOKHAVEN NAT LAB
☒	TIC:	REG. VIE		ULRIKSON(ORNL)
☒	NSIC:	LA PDR		
	ASLB:	CONSULTANTS		
☒	ACRS 16 CYS [redacted] SENT	TO L.A.		

CONTROL NUMBER: 9129

NRC FORM 195 (2-76)

DUKE POWER COMPANY
POWER BUILDING
422 SOUTH CHURCH STREET, CHARLOTTE, N. C. 28242

WILLIAM O. PARKER, JR.
VICE PRESIDENT
STEAM PRODUCTION

TELEPHONE: AREA 704
373-4083

September 1, 1976

Mr. Benard C. Rusche, Director
Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Attention: Mr. A. Schwencer, Chief
Operating Reactors Branch No.1

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

Dear Mr. Rusche:

Pursuant to 10CFR50, §50.90, an amendment to the Oconee Nuclear Station Non-Radiological Environmental Technical Specifications, Appendix B to Facility Operating Licenses DPR-38, -47, and -55 is requested. This proposed change revises the method of control of station chemical effluents by instituting a chemical effluent monitoring program in lieu of the present chemical inventory program. Replacement pages for the proposed Technical Specification 1.2 are attached, and an explanation and justification of this change is as follows:

In accordance with requirements of the present Technical Specification 1.2, station chemical inventories are maintained and chemical effluent release concentrations are determined by gross annual chemical usages. Expected annual usage values of various chemicals were originally proposed in the Duke Power Company Supplement to Environmental Quality Features of Keowee-Toxaway Project, of October, 1971 and were appraised by the NRC in the Oconee Final Environmental Statement of March, 1972. These values were adopted as limiting chemical usage values and remain as the present annual chemical release limits as stated in Table 1.2-1 of Technical Specification 1.2. It is felt that these values are overly conservative since they indicate original expected chemical usages and do not reflect state and federal limitations, nor do they reflect an updated reasonable assessment of expected chemical effluents from Oconee Nuclear Station. Also, the chemical inventory method is considered an inaccurate method by which to base determination of chemical effluent concentration limits since large portions of certain chemicals may be utilized at the station but not enter the chemical effluent stream.

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In order to alleviate the above problems, the proposed change to Technical Specification 1.2 replaces the chemical inventory requirements with a program which provides for monitoring chemical effluents as they are released to the environment via the Low Level Radwaste System and the Waste Water Treatment System. This proposal is consistent with monitoring presently performed at Oconee and requirements as indicated in the proposed Table 1.2-1 are consistent with present EPA requirements.

It is felt that this proposed technical specification implements reasonable updated guidelines and limitations for control of chemical effluents released from Oconee Nuclear Station.

Very truly yours,

William O. Parker, Jr.

EDB:vr