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WILLIAM O. PARKER, JR. VICE PRESIDENT STEAM PRODUCTION

July 6, 1981

TELEPHONE: AREA 704 373-4083

FICE

Mr. James 2. O'Reilly, Director U. S. Nuclear Regulatory Commission Region II 101 Marietta Street, Suite 3100 Atlanta, Georgia 30303

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

Dear Mr. O'Reilly:

In accordance with requirements of Oconee Nuclear Station Technical Specification 6.6.2.2.c, this report is submitted describing a condition in which measured radioactivity levels exceeded the control level by greater than 50 times.

On February 19, 1981, analytical results of aquatic vegetation samples collected on February 10, 1981 were reviewed. A summary of pertinent analytical results is given below:

Sample Location	Activity pCi/kg (wet)						
	Co-58	Co-60	Cs-134	Cs-137			
000.5 Lake Keowee (Control)	<8.02 El	<5.18 El	<5.06 El	7.94 E1 +4.6 E1			
000.4 Near Liquid	6.31 E3	4.18 E3	2.96 E3	7.09 E3			
Effluent Release	+8.3 E1	±0.7 E1	+7.4 E1	±9.5 El			

The expected activities calculated, using the bioaccumulation factors given on page 131 of the Final Environmental Statement for Oconee Nuclear Station, are given below for aquatic vegetation near the liquid effluent release point.

Radionuclide		Measured Activity (pCi/kg)				Expected Activity (pCi/kg)					
Co	0-58 0-60 s-134			6.31 4.18 2.96	E3			1.57 2.58 1.66	E2		
	s-137			7.09				3.35			

OFFICIAL COFY V 8/-/53 IE, 36 Mr. James P. O'Reilly, Director Page 2 July 6, 1981

Since these activities are consistent with the expected activities, they do not present any significant impact on public health and safety.

Due to several typographical errors in the original submittal, this supercedes my letter of February 25, 1981.

Very truly yours, Luces D. Jack William O. Parker, Jr.

JLJ:pw