

DUKE POWER COMPANY

POWER BUILDING

422 SOUTH CHURCH STREET, CHARLOTTE, N. C. 28242

WILLIAM O. PARKER, JR.
VICE PRESIDENT
STEAM PRODUCTION

1E HQ FILE COPY

September 8, 1981

TELEPHONE: AREA 704
373-4083

Mr. James P. 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 the requirements of Oconee Nuclear Station Technical Specification 6.6.2.2.d, this report is submitted describing a condition in which measured levels of radioactivity exceeded the control level by greater than 10 times.

On August 26, 1981, analytical results of surface water samples collected on July 7, 1981 were reviewed. A summary of pertinent results is given below:

<u>Sample Location</u>	<u>Nb-95 Activity (pCi/l)</u>
000.3 Hwy. 183 Bridge N. of Site - Lake Keowee (Control)	<1.45 E-1
000.5 1 Mile S.W. of Site - Lake Keowee	7.38 E0

Radioactive liquid waste releases are not made into Lake Keowee from Oconee and the NB-95 activity measured in the surface water sample for location 000.5 was not the result of the operation of Oconee.

The Nb-95 activity measured for the control location (000.3) was below the normal background activities measured and therefore the calculated "less than value" is not valid. A more valid method of calculating "less than values" for control locations with activities less than background is being investigated.

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The remaining four sample locations show no significant Nb-95 activities. The Nb-95 activity measured at Location 000.5 is consistent with Nb-95 activities measured in the past; therefore, it is concluded that the health and safety of the public are not affected.

Very truly yours,

William O. Parker, Jr.
William O. Parker, Jr. *By HMB*

JLJ/php