

DUKE POWER COMPANY

USNRC REGION I  
ATLANTA, GEORGIA

POWER BUILDING

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

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WILLIAM O. PARKER, JR.  
VICE PRESIDENT  
STEAM PRODUCTION

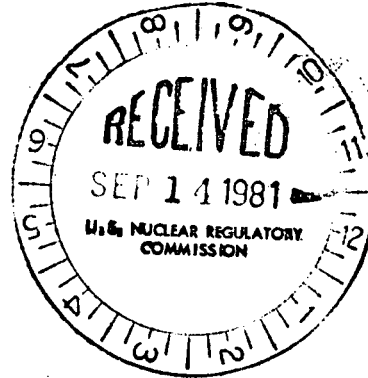
September 8, 1981

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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 6.6.2.2d, this report is submitted describing a condition in which measured levels of radioactivity exceeded the control level by greater than 10 times.

On August 27, 1981, analytical results of aquatic vegetation samples collected on August 3, 1981 were reviewed. A summary of pertinent analytical results is given below:

<u>Sample Location</u>	<u>Cs-137 Activity (pCi/kg-wet)</u>
000.5 Lake Keowee (Control)	<2.84 E1
005.2 Hwy. 27 Bridge Lake Hartwell	3.86 E2

The Cs-137 activity measured at Location 005.2 is consistent with activities measured previously at this location. These activities have been shown to be well below the expected activities calculated using bioaccumulation factors presented in the ONS Final Environmental Statement. Therefore, it is concluded that the health and safety of the public were not measurably affected.

Very truly yours,

*William O. Parker, Jr.*

William O. Parker, Jr.

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