

DUKE POWER COMPANY

POWER BUILDING

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

WILLIAM O. PARKER, JR.
VICE PRESIDENT
STEAM PRODUCTION

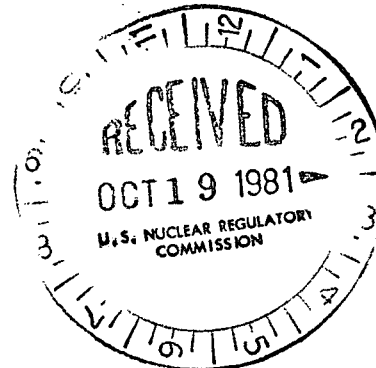
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October 13, 1981

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:

On September 28, 1981, analytical results of air filter samples collected from September 8 to September 15, 1981 were reviewed. A condition was found in which a measured I^{131} radioactivity level exceeded the control level by more than ten times, but according to Technical Specification 6.6.2.2.c, a written notification is not required to be submitted to the NRC. However, we wish to make you aware of the condition and to submit the results to you.

<u>Sample Location</u>	<u>Collection Date</u>	<u>I^{131} Activity (pCi/m³)</u>
006 Clemson Meteorology Plot (Control)	09/08-09/15/81	4.35 E-3 (Critical Level)
000 Visitors Center Parking Lot	09/08-09/15/81	8.12 E-2

Location 000 is less than one-fourth of a mile from the reactors and higher I^{131} activities are normal due to the close proximity of the gaseous waste release points (vent stacks). The major part of the activity measured during the week was the result of gaseous releases made from the vent stacks on September 11 and 12. I^{131} activity released on these two days amounted to 2.43 E-2 curies. Location 000 was in the downwind sector approximately 17% of the time during the 11th and 12th. There were no significant releases of I^{131} during the remaining days of this period.

The meteorological data reviewed shows the possibility of a slight inversion during this period, creating a period of air stagnation which could have caused dispersion to be delayed.

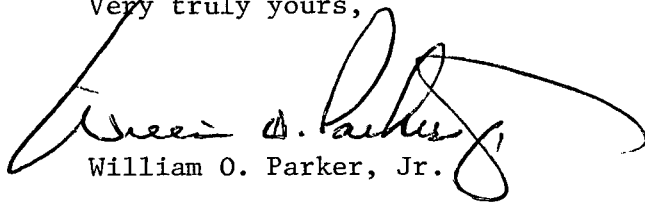
The relatively low levels of I^{131} measured at Location 000 and the absence of any significant amounts measured at the other sampling locations does not represent any effect on the health and safety of the public.

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Mr. James P. O'Reilly, Director
October 13, 1981
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Very truly yours,

A handwritten signature in cursive script, appearing to read "William O. Parker, Jr.", with a large, sweeping flourish extending to the right.

William O. Parker, Jr.

JLJ/php