

*Reed Facilities
Branch*

DUKE POWER COMPANY

POWER BUILDING

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

WILLIAM O. PARKER, JR.
VICE PRESIDENT
STEAM PRODUCTION

August 1, 1975

TELEPHONE AREA 704
373-4083

Mr. Norman C. Moseley, Director
U. S. Nuclear Regulatory Commission
Suite 818
230 Peachtree Street, Northwest
Atlanta, Georgia 30303

Re: IE:II:TNE
50-269/75-1
50-270/75-1
50-287/75-1

Dear Mr. Moseley:

Information has been provided concerning the resolution of problems associated with the process radiation monitors at the Oconee Nuclear Station in our letters of May 24, 1974, September 9, 1974, November 27, 1974, February 14, 1975, March 26, 1975, April 30, 1975, and May 30, 1975. As previously stated and confirmed by your subsequent inspections, the problems with the liquid waste process monitors, RIA-33 and RIA-34, and the iodine monitors, RIA-44 and RIA-48, have been resolved. The modification to permit an air purge to clear the waste gas monitors, RIA-37 and RIA-38, after a waste gas decay tank release and to install a sample line in parallel with the monitor to allow grab samples to be taken at the monitor is in progress. This modification will be completed by November 1, 1975, and should resolve the existing problems with these monitors.

The particulate monitors, RIA-43 and RIA-47, were initially believed to be unreliable, as reported in RO(IE) Report 50-269/74-2 and 50-270/74-2 dated May 3, 1975. This was because a correlation could not then be established between the continuous monitor and laboratory analysis of the particulate filter removed from these monitors. An extensive investigation has been performed to determine the reason for this inconsistency. This investigation has shown the particulate monitors to be reliable and to be capable of early detection of changing particulate activity. A correlation between the monitor and lab sample has been obtained in several isolated instances; however, good, continuous correlation does not appear feasible. This is due to the presence of high energy, beta-emitting, short half-life materials such as Rubidium 88 which affect the particulate monitor but decay before the laboratory analysis can be completed.

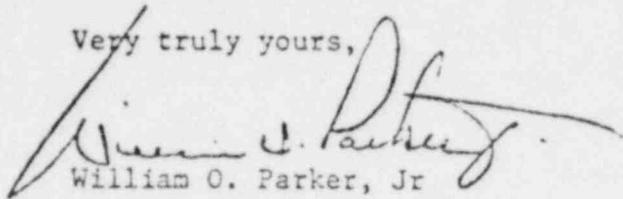
Grab samples have been and will be taken as required by Technical Specification 3.10.7. RIA-43 and RIA-47 provide a reliable qualitative indication

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Mr. Norman C. Moseley

of changing particulate activity and therefore are useful as a continuous monitor. Therefore it is considered that this item is resolved.

Very truly yours,

A handwritten signature in cursive script, appearing to read "William O. Parker, Jr.", written in dark ink. The signature is fluid and somewhat stylized, with a long horizontal stroke extending to the right.

William O. Parker, Jr

MST:ge