

DUKE POWER COMPANY REGION I  
POWER BUILDING ATLANTA, GEORGIA

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

79 SEP 26 10:45

WILLIAM O. PARKER, JR.  
VICE PRESIDENT  
STEAM PRODUCTION

September 21, 1979

TELEPHONE: AREA 704  
373-4083

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

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

Dear Mr. O'Reilly:

My letter of August 1, 1979, provided details of a measured level of Sr-90 activity in a fish sample which exceeded the control level by greater than ten times. Since that time three additional samples have been collected further upstream to assure that that sample was not representative. The pertinent analytical results, including those provided by my letter of August 1, are presented below:

<u>Sample Location</u>	<u>Type</u>	<u>Date Collected</u>	<u>Sr-90 Activity (pCi/kg wet)</u>
000.5 1-mile radius of site (control)	Redhorse Sucker	April, 1979	7.5E1+3E0
013 Hartwell Reservoir 5.8 miles downstream	Carp	April, 1979	2.5E3+1E2
1.0 mile downstream	Carp	July 31, 1979	3.7E2+2E1
1.5 miles downstream	Carp	July 31, 1979	1.9E2+1E1
1.75 miles downstream	Carp	August 3, 1979	3.8E2+1E1

As a result of analysis of the subsequent samples, the carp sample collected at location 013 in April is considered not to be representative. If the anomalous sample were representative, the maximum annual dose to the whole body, assuming 21 kg/yr consumption, would be 98mR, while the average annual dose assuming consumption of 6.9 kg/hr, would be 32mR. The maximum annual dose calculated using the mean of the three subsequent samples would be



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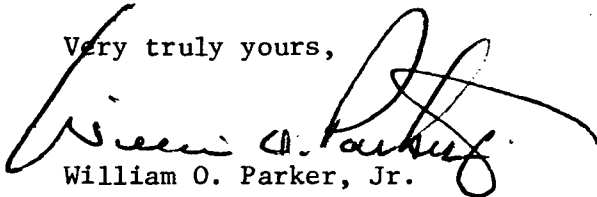
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12 mR/yr, while the average annual dose would be 4 mR/yr. It should be noted again that these dose estimates are extremely conservative, since carp is considered a nuisance fish and is a negligible part of the local diet. Since the April sample has been determined to be unrepresentative, and since the dose estimates calculated from either the anomalous result or the subsequent samples are very low, the measured levels of activity did not affect the health and safety of the public.

Very truly yours,

A handwritten signature in cursive script, appearing to read "William O. Parker, Jr.", written in dark ink.

William O. Parker, Jr.

SRL/sch