

B 03/17/78

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)
DISTRIBUTION FOR INCOMING MATERIAL

50-269/270/287

REC: STELLO V
NRC

ORG: PARKER W O
DUKE PWR

DOC DATE: 03/09/78
DATE RCVD: 03/14/78

DOCTYPE: LETTER NOTARIZED: NO COPIES RECEIVED
SUBJECT: LTR 1 ENCL 0
RESPONSE TO NRC'S LTR DTD 01/25/78... FURNISHING INFO CONCERNING APPLICANT'S
INTENT RE POSTULATED ASYMMETRIC LOCA LOADS AND EVALUATION OF SUCH LOADS.

PLANT NAME: OCONEE - UNIT 1
OCONEE - UNIT 2
OCONEE - UNIT 3

REVIEWER INITIAL: XJ
DISTRIBUTER INITIAL: *efj*

***** DISTRIBUTION OF THIS MATERIAL IS AS FOLLOWS *****

NOTES:
1. M. CUNNINGHAM - ALL AMENDMENTS TO FSAR AND CHANGES TO TECH SPECS

GENERAL DISTRIBUTION FOR AFTER ISSUANCE OF OPERATING LICENSE.
(DISTRIBUTION CODE A001)

FOR ACTION: BR CHIEF REID**LTR ONLY(7)

INTERNAL:	REG FILE**LTR ONLY(1)	NRC PDR**LTR ONLY(1)
	I & E**LTR ONLY(2)	OELD**LTR ONLY(1)
	HANAUER**LTR ONLY(1)	CHECK**LTR ONLY(1)
	EISENHUT**LTR ONLY(1)	SHAO**LTR ONLY(1)
	BAER**LTR ONLY(1)	BUTLER**LTR ONLY(1)
	GRIMES**LTR ONLY(1)	J COLLINS**LTR ONLY(1)
	J. MCGOUGH**LTR ONLY(1)	

EXTERNAL: LPDR'S
WALHALLA, SC**LTR ONLY(1)
TIC**LTR ONLY(1)
NSIC**LTR ONLY(1)
ACRS CAT B**LTR ONLY(16)

DISTRIBUTION: LTR 40 ENCL 0 CONTROL NBR: 780750043
SIZE: 1P

***** THE END *****

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DUKE POWER COMPANY

POWER BUILDING

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

March 9, 1978

WILLIAM O. PARKER, JR.
VICE PRESIDENT
STEAM PRODUCTION

TELEPHONE: AREA 704
373-4083

Director
Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Attention: Mr. Victor, Stello, Jr., Director
Division of Operating Reactors

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



Dear Sir:

Your letter of January 25, 1978 addressed the issue of postulated asymmetric LOCA loads and requested a response indicating intent to proceed with an evaluation of such loads. By this letter, Duke Power Company confirms that an adequate and orderly resolution of the asymmetric LOCA load issue will be pursued.

It is our intent with regard to this matter to achieve as generic a resolution as practicable. Accordingly, discussions have been held involving the Oconee NSSS vendor (Babcock and Wilcox) and owners of other affected Oconee class plants. It has been determined that further clarification of various aspects of the January 25, 1978 letter is necessary before proceeding with development of detailed schedules and work scopes. It is suggested that a meeting involving the NRC, B&W and affected licensees be held in the near future to obtain such clarification. A representative of the owners group will be in contact with the staff to arrange this meeting.

Very truly yours,

William O. Parker, Jr.
William O. Parker, Jr.
by JS

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DUKE POWER COMPANY

POWER BUILDING

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

February 27, 1978

Central file
50-269
270
287

WILLIAM O. PARKER, JR.
VICE PRESIDENT
STEAM PRODUCTION

TELEPHONE: AREA 704
373-4083

Mr. James P. O'Reilly, Director
U. S. Nuclear Regulatory Commission
Suite 1217
230 Peachtree Street, Northwest
Atlanta, Georgia 30303

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

Dear Mr. O'Reilly:

Pursuant to the requirements of Oconee Nuclear Station Technical Specification 6.6.2.2.d, this report is submitted describing a condition in which a measured level of radioactivity exceeded the control level by greater than 50 times.

On February 16, 1978 analytical results of surface water samples composited between September 1, 1977 and November 30, 1977 were reviewed. Given below is a summary of the pertinent analytical results.

<u>Sample Location</u>	<u>Date Collected</u>	<u>Tritium Concentration</u> (pCi/l)
000.3 Hwy. 183 Bridge N. of Site (Control)	10/6/77 - 12/6/77	(1.2 ± 0.7)E2
000.7 Hwy. 183 Bridge S. of Site	9/1/77 - 11/3/77	(>50x)(7.9 ± 0.5)E3

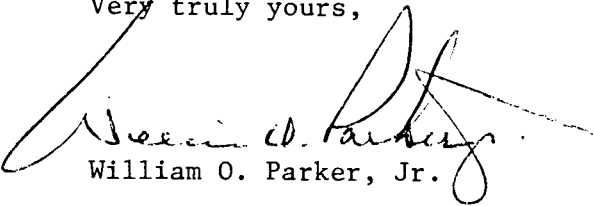
Tritium concentrations in downstream water samples are dependent upon the tritium concentrations of liquid effluent released from the station. For the period September 1, 1977 through November 30, 1977 a total of 212.5 curies of tritium were released from the station in liquid effluents.

Based on Keowee Hydro flow data, the curies released and the sampler design at location 000.7, it is calculated that the activity in this sample should have been 1.5E4 pCi/l. A comparison of the observed and calculated tritium concentrations shows the observed value to be lower than, but comparable to the calculated or expected value.

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If an individual were to consume water containing approximately $8E3$ pCi/l of tritium for an entire year, the maximum dose estimate (using the model of Regulatory Guide 1.109) would be 0.6 mrem/yr to the whole body. This estimate of dose is less than 0.2% of the limits of 10CFR20 and results from a concentration less than 0.3% of the MPC value for tritium in water. Therefore, it is concluded that the observed anomalous tritium concentration does not affect public health and safety in any way.

Very truly yours,



William O. Parker, Jr.

KRW:es