

NRC DISTRIBUTION FOR PART 50 DOCKET MATERIAL

TO: Mr. Edson G. Case	FROM: Duke Power Company Charlotte, North Carolina William O. Parker, Jr.	DATE OF DOCUMENT 7/8/77
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DESCRIPTION

ENCLOSURE

RE our 5-20-77 HR
Consists of information regarding
seismic monitoring program.

DO NOT REMOVE

ACKNOWLEDGED

(2-P)

PLANT NAME: Oconee Unit 1-2-3

RJL 7/15/77

SAFETY	FOR ACTION/INFORMATION	ENVIRONMENTAL
ASSIGNED AD:		ASSIGNED AD: V. MOORE (LTR)
BRANCH CHIEF:		BRANCH CHIEF:
PROJECT MANAGER:		PROJECT MANAGER:
LICENSING ASSISTANT:		LICENSING ASSISTANT:
		B. HARLESS

INTERNAL DISTRIBUTION			
REG FILES	SYSTEMS SAFETY	PLANT SYSTEMS	SITE SAFETY &
NRC PDR	HEINEMAN	TEDESCO	ENVIRON ANALYSIS
I & E (2)	SCHROEDER	BENAROYA	DENTON & MULLER
OELD		LAINAS	CRUTCHFIELD
GOSSICK & STAFF	ENGINEERING	IPPOLITO	
HANAHER	KNIGHT	F. ROSA	ENVIRO TECH.
MIPC	BOSNAK		ERNST
CASE	SIHWELL	OPERATING REACTORS	BALLARD
BOYD	PAWLICKI	STELLO	YOUNGBLOOD
		EISENHUT	
PROJECT MANAGEMENT	REACTOR SAFETY	SHAO	
SKOVHOLT	ROSS	BAER	SITE TECH.
P. COLLINS	NOVAK	BUTLER	GAMMILL (2)
HOUSTON	ROSZTOCZY	GRIMES	
MELTZ	CHECK		SITE ANALYSIS
HELTEMES			VOLLMER
SK	AT&I		BUNCH
	SALTZMAN		J. COLLINS
	RUTBERG		KREGER

EXTERNAL DISTRIBUTION		CONTROL NUMBER
LPDR: W. Thoma		
TIC	NSIC	
NAT LAB		
REG IV (J. HANCHETT)		
16 CYS ACRS SENT CATEGORY B		
		771960230

DUKE POWER COMPANY

POWER BUILDING

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

WILLIAM O. PARKER, JR.
VICE PRESIDENT
STEAM PRODUCTION

July 8, 1977

TELEPHONE: AREA 704
373-4083

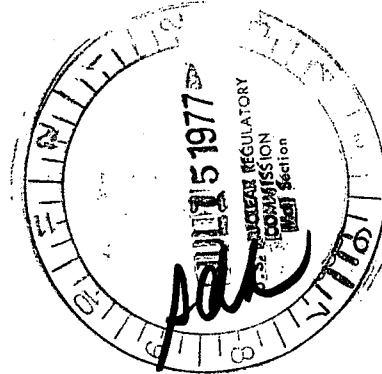
Regulatory

File Cy

Mr. Edson G. Case, Acting Director
Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Attention: Mr. A. Schwencer, Chief
Operating Reactors Branch #1

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



Dear Mr. Case:

Your letter dated May 20, 1977 outlined a threefold program which was considered appropriate for Duke Power Company to evaluate the potential seismic activity at the Jocassee Dam. The parts of this program were: (1) a short-term report, (2) a monitoring program, and (3) a longer-term report that will describe the findings of the monitoring program.

The short-term report is in preparation and will be submitted in the near future incorporating those items identified in the letter and as discussed with members of your staff on June 22, 1977.

In a letter dated October 24, 1976, Duke Power Company committed to reinstitute the seismic monitoring program which had been in effect from November, 1975 to June 30, 1976. This program was initiated on November 1, 1976 and has provided four to six portable micro-earthquake recorders until June 8, 1977. As previously discussed with members of your staff, one permanent station and two portable instruments have been in operation since June 8, 1977. Beginning approximately July 15, 1977 it is our intention to maintain either the one permanent station and four portable instruments in operation or to provide a total of three permanent stations until December 1, 1978. By letter dated March 22, 1977 information on the monitoring program through February, 1977 was provided. Quarterly reports will be provided within 45 days of the completion of the quarter for future data. Prompt telephone reporting of any unusual seismic activity will be made. A long-term summary report will be submitted which will discuss the results of the monitoring program through November, 1978; however, it is expected that this report will be submitted by February 15, 1979 rather than your requested date of January 1, 1979.

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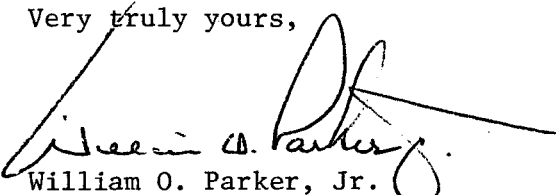
Mr. Edson G. Case, Acting Director

Page Two

July 8, 1977

This letter constitutes Duke Power Company's commitment to complete the programs outlined in this letter. We believe this is responsive to NRC requests for information. It is our view that the additional commitments in this letter are no different than others made with regard to providing information to the Commission. An amendment to the Facility Operating License is not considered necessary in this regard. The program which began at Duke Power Company's initiative in November, 1975 and is to continue to November, 1978 will not be enhanced by the issuance of an amendment to the Facility Operating License.

Very truly yours,



William O. Parker, Jr.

MST:ge

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1977 JUL 14 AM 9 22

JUN 28 1977

Duke Power Company
ATTN: Mr. Carl Horn, Jr.
President
P. O. Box 2178
Charlotte, North Carolina 28242

License Nos. DPR-38, -47, -55
Docket Nos. 50-269, -270, -287

Gentlemen:

This will acknowledge receipt of your letter, with attachment, dated June 24, 1977, with enclosed check in the amount of Sixteen Thousand Dollars (\$16,000) in full payment of civil penalties as imposed by order enclosed with our letter of June 13, 1977.

We have no further questions at this time. The corrective actions described in your letters of April 20 and June 24, 1977, in response to our letters dated March 29 and June 13, 1977, will be examined during subsequent inspections of your licensed activities.

Sincerely,

Original Signed By
J. G. Davis

Ernst Volgenau
Director
Office of Inspection
and Enforcement

bcc:

PDR (3)

NSIC(3)

LPDR(3)

TIC(3)

E. Volgenau

J. G. Davis

H. D. Thornburg

J. R. Metzger (3)

J. P. Murray, ELD

J. Lieberman, ELD

Coordinators: Region I, II, III, IV, V

IE Files (3)

Central Files (3)
Civil Penalty Book
EDO Reading File
IE Reading File
XOOS Reading File

OFFICE	IE:FFMSI	IE:FFMSI	IE:FFMSI:AD	ELD per JPM	XOOS	IE:DIR
SURNAME	JG Metzger:mm	LB Higginbotham	GW Roy	JPMurray	EL Jordan	E Volgenau
DATE	6/27/77	6/27/77	6/27/77	6/27/77	6/27/77	6/28/77

DUNE POWER COMPANY

P. O. Box 2178

CHARLOTTE, N. C. 28242

CARL HORN, JR.
CHAIRMAN OF THE BOARD &
CHIEF EXECUTIVE OFFICER
(704) 373-4964

June 24, 1977

B. B. PARKER
PRESIDENT &
CHIEF OPERATING OFFICER
(704) 373-4989

Mr. Ernst Volgenau, Director
Office of Inspection and Enforcement
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Re: Oconee Nuclear Station
License Numbers DPR-38, DPR-47 and DPR-55
Docket Numbers 50-269, 50-270 and 50-287

Dear Mr. Volgenau:

In response to your letter of June 13, 1977, the attached response to Item 1 of Appendix A to your letter of March 29, 1977 is provided.

Pursuant to the Order Imposing Civil Monetary Penalties transmitted by your letter of June 13, 1977, please find attached a check in the amount of sixteen thousand dollars.

Very truly yours,



Carl Horn, Jr.

CH:ge

Attachment

ITEM:

10CFR20.201 "Surveys", requires that each licensee make or cause to be made such surveys as may be necessary to comply with the regulatory requirements specified in 10CFR Part 20.

Contrary to the above, on January 17, 1977, no adequate measurement or other evaluation was made to account for radioactive effluent released from the Oconee oil collection basin to the Keowee River until about 8:50 a.m. on January 18, 1977.

RESPONSE:

In order to provide assurance that adequate sampling and monitoring programs are instituted to provide adequate surveys of effluents released to the environment via the turbine building and oil collection basin, administrative controls were implemented after the January incident and have been further revised in May, 1977. In the event a primary to secondary leak is identified a special monitoring program is established through procedures entitled "Control of Secondary Contamination" and "Environmental Surveillance Following a Primary to Secondary Leak". The purpose of this program is to identify, quantify and to control the release of activity to the environment.

The procedure "Control of Secondary Contamination" initially requires:

- 1) The health physics section is notified to begin a defined sampling program.
- 2) Water entering the turbine building sump is segregated to minimize the activity and volume.
- 3) The turbine building automatic sump pump breakers are opened and tagged so that releases are controlled.
- 4) As water accumulates in the sump, samples are taken and analyzed to assure batch release is acceptable.

The health physics procedure "Environmental Surveillance Following a Primary to Secondary Leak" defines the program of surveys required on the turbine building sump and oil collection basin. Sampling is initially required on the turbine building sump at a frequency which will permit batch releasing of the sump. Gamma isotopic and tritium analyses are performed on a priority basis on each sample. The oil collection basin is initially sampled every two hours and analyzed for tritium and gamma isotopes. Additional counting equipment is being procured to facilitate sample analysis.

The procedures make provision for adjusting the sampling frequencies to no greater than eight hours based upon the potential for release of activity. The Superintendents of Operations and the Superintendent of Technical Services must concur prior to returning the turbine building

sump pumps to automatic operation. Sampling is continued until it is verified that the potential for deleterious environmental releases no longer exists. Procedures also require that any activity released through this pathway is accounted for in the total annual station releases. Additionally, radiation monitors have been installed and are in continuous operation (except for maintenance periods) on the turbine building sumps. This will provide a warning if unexpected activity enters the sump.

A primary to secondary leak on Oconee Unit 3 in June, 1977 has demonstrated the effectiveness of these procedures. It is considered that corrective actions taken in May, 1977 further assure that the provisions of 10CFR20 and the Oconee Technical Specification 3.9 are met.