

1A 07/21/78

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50-269/270/287

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DOC DATE: 07/18/78
DATE RCVD: 07/24/78

DOCTYPE: LETTER NOTARIZED: NO

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LTR 1 ENCL 1

SUBJECT:
FORWARDING UP-TO-DATE STATUS RE SEISMIC QUALIFICATION OF THE OVERHEAD
TRANSMISSION PATH FROM KEOWEE HYDRO STATION TO OCONEE NUC STATION.

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

REVIEWER INITIAL: XJM
DISTRIBUTER INITIAL: *me*

***** 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 ORB#4 BC**W/7 ENCL

INTERNAL:

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I & E**W/2 ENCL
HANAUER**W/ENCL
AD FOR SYS & PROJ**W/ENCL
REACTOR SAFETY BR**W/ENCL
EEB**W/ENCL
J. MCGOUGH**W/ENCL

NRC PDR**W/ENCL
OELD**LTR ONLY
CORE PERFORMANCE BR**W/ENCL
ENGINEERING BR**W/ENCL
PLANT SYSTEMS BR**W/ENCL
EFFLUENT TREAT SYS**W/ENCL

EXTERNAL:

LPDR'S
WALHALLA, SC**W/ENCL
TERA**W/ENCL
NSIC**W/ENCL
ACRS CAT B**W/16 ENCL

DISTRIBUTION: LTR 40 ENCL 39
SIZE: 1P+4P

CONTROL NBR: 782060018

THE END

MA4

R

DUKE POWER COMPANY

POWER BUILDING

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

WILLIAM O. PARKER, JR.
VICE PRESIDENT
STEAM PRODUCTION

July 18, 1978

TELEPHONE: AREA 704
373-4083

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

Attention: Mr. R. Reid, Chief
Operating Reactor Branch #1

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

Dear Sir:

My letter dated October 7, 1976 described the seismic qualification of the overhead transmission path from Keowee Hydro Station to Oconee Nuclear Station. This information was last revised by my letter of April 19, 1978. The attached tables provide an up-to-date status of this qualification effort. Changes in status have been indicated by vertical lines in the margin by the affected item. Additional supplementary reports will be submitted to appraise you of your progress in this endeavor.

Very truly yours,

William O. Parker, Jr.
William O. Parker, Jr.

RLG:scs
Attachment

by *[Signature]* REGULATORY DOCKET FILE COPY

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TABLE II

KEQWEE-OCONEE OVERHEAD EMERGENCY
POWER PATH EQUIPMENT SEISMIC QUALIFICATION SURVEY

Equipment Type	Identification	Qualified	Method	Basis of Qualification
1. Keowee Main Stepup Transformer	Transformer No. 1	Yes	Manufacturer Test/Analysis	0.36g
2. Ocone Startup Transformers	CT1, CT2, CT3	Yes	Manufacturer Test/Analysis	0.36g
3. 230kV Disconnect Switches		Yes	Manufacturer Test/Analysis	0.36g
4. Ocone 230kV Swyd. Bus Conductor System		See Note 1	Analysis	0.36g
5. 230kV Power Circuit Breakers (PCB's)	PCB Nos. 8, 9, 12, 15, 17, 18, 21, 24, 26, 27, 28, 30, 33	Yes	Test/Analysis	0.36g
6. 230kV Swyd. Coupling Capacitor Potential Devices (CCPD)		Yes	Manufacturer Test/Analysis	0.36g
7. 230kV Swyd. Lightning Arrestors		Yes	Manufacturer Test/Analysis	0.36g
8. 230kV Swyd. DC Distribution Centers	Nos. SY-DC1, SY-DC2	Yes	Test	0.36g
9. 230kV Swyd. DC Panelboards	Nos. DYA, DYB, DYC, DYD, DYE, DYF, DYG, DYH	Yes	Manufacturer Test	0.36g
10. 230kV Swyd. Control Power Batteries	Nos. SY-1, SY-2	Yes	Manufacturer Test	0.36g
11. 230kV Swyd. Battery Chargers	Nos. SY-1, SY-2, SY-S	Yes	Manufacturer Test	0.36g
12. 230kV Swyd. Relay House Lighting System		Yes	Analysis	0.36g

TABLE II

Equipment Type	Identification	Qualified	Method	Basis of Qualification
13. 230kV Swyd. Relay Panels and Equipment		See Note 3	Test/Analysis	0.36g
14. 230kV Swyd. Relay House Roof Drain Pipe		See Note 4	Analysis	0.36g
15. 230kV Swyd. Relay House HVAC Duct		See Note 4	Analysis	0.36g
16. 230kV Swyd. Relay House Air Handling Unit		See Note 4	Analysis	0.36g

Note 1: Analysis complete; field modification required; SMR scheduled for issue August 31, 1978.

Note 3: Analysis and testing complete; field modification required; SMR scheduled for issued August 31, 1978.

Note 4: Field modifications complete; SMR ON-682 completion pending issuance of revised drawings.

TABLE I

KEOWEE-OCONEE OVERHEAD EMERGENCY
POWER PATH STRUCTURES SEISMIC QUALIFICATION SURVEY

Structure	Qualified	Method	Basis of Qualification
1. Keowee Main Step-up Transformer Base	Yes	Analysis	0.15g Ground Motion
2. Oconee Startup Transformer Bases	Yes	Analysis	0.15g Ground Motion
3. Keowee 230kV Line Pulloff Structure	Yes	Analysis	0.15g Ground Motion
4. 230kV Transmission Line and Towers from Keowee to Oconee	Yes	Analysis	0.15g Ground Motion
5. Oconee 230kV Strain Structures	Yes	Analysis	0.15g Ground Motion
6. Oconee 230kV Swyd. Bus Support Structure	Yes	Analysis	0.15g Ground Motion
7. Oconee 230kV Swyd. Wave Trap Support Structure	Yes	Analysis	0.15g Ground Motion
8. Oconee 230kV Swyd. Lightning Arrestor Support Structure	Yes	Analysis	0.15g Ground Motion
9. Oconee 230kV Swyd. Coupling Capacitor Potential Devices (CCPD) Support Structure	Yes	Analysis	0.15g Ground Motion
10. Oconee 230kV Swyd. Disconnect Switch Support Structure	Yes	Analysis	0.15g Ground Motion
11. Oconee 230kV Swyd. PCB Support Structure	See Note 6	Analysis	0.15g Ground Motion
12. Oconee 230kV Swyd. Relay House	See Note 7	Analysis	0.15g Ground Motion
13. Oconee 230kV Swyd. Relay House Equipment Anchoring	See Note 7	Analysis	0.15g Ground Motion
14. 230kV Lines from Oconee 230kV Switchyard to Startup Transformers	Yes	Analysis	0.15g Ground Motion
15. Oconee Powerhouse 230kV Line and Shield Wire Pulloff Structures	Yes	Analysis	0.15g Ground Motion

TABLE I

Sheet 2 of 2

Note 6: Analysis complete; Field modification required; SMR scheduled for issue August 31, 1978.

Note 7: Field modifications complete; SMR's ON-711 and ON-731 completion pending issuance of revised drawings.