

1A 07/26/78

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)  
DISTRIBUTION FOR INCOMING MATERIAL

50-269/270/287

REC: CASE E G  
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DUKE PWR

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

DOCTYPE: LETTER NOTARIZED: NO

COPIES RECEIVED

SUBJECT:

LTR 1 ENCL 1

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.  
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FOR ACTION: BR CHIEF ORB#4 BC\*\*W/7 ENCL

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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

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EXTERNAL:

LPDR'S

WALHALLA, SC\*\*W/ENCL

TERA\*\*W/ENCL

NSIC\*\*W/ENCL

ACRS CAT B\*\*W/16 ENCL

*ms4*

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

CONTROL NBR: 782060018

\*\*\*\*\*

THE END

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*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

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US NRC  
DISTRIBUTION SERVICES  
BRANCH

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

REGULATORY DOCKET FILE COPY

782060018

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TABLE II

Sheet 1 of 2

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. Oconee Startup Transformers	CT1, CT2, CT3	Yes	Manufacturer Test/Analysis	0.36g
3. 230kV Disconnect Switches		Yes	Manufacturer Test/Analysis	0.36g
4. Oconee 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

Sheet 2 of 2

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

Sheet 1 of 2

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.