

AEC DISTRIBUTION FOR PART 50 DOCKET MATERIAL  
(TEMPORARY FORM)

CONTROL NO: 5456

FILE: \_\_\_\_\_

<b>FROM:</b> Duke Power Company Charlotte, N. C. 28201 A. C. Thies			<b>DATE OF DOC</b> 6-13-74		<b>DATE REC'D</b> 6-17-74		<b>LTR</b> X	<b>TWX</b>	<b>RPT</b>	<b>OTHER</b>
<b>TO:</b> W. G. McDonald			<b>ORIG</b> 1 signed		<b>CC</b>	<b>OTHER</b>	<b>SENT AEC PDR</b> X <b>SENT LOCAL PDR</b> X			
<b>CLASS</b>	<b>UNCLASS</b> XXX	<b>PROP INFO</b>	<b>INPUT</b>		<b>NO CYS REC'D</b> 2		<b>DOCKET NO:</b> 50-269/270			

**DESCRIPTION:**  
Ltr re our 4-17-74 ltr, furnishing info regard-  
ing Operating Status Report.....

**ENCLOSURES:**

**DO NOT REMOVE**  
**ACKNOWLEDGED**

**PLANT NAME:** Oconee Units 1 & 2

FOR ACTION/INFORMATION 6-18-74 GC

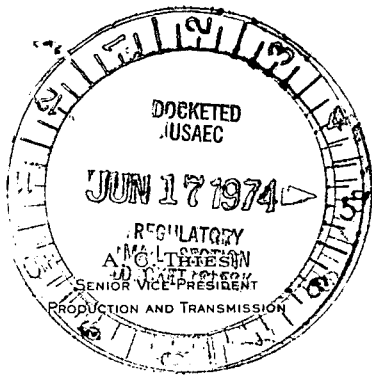
BUTLER(L)	SCHWENCER(L)	ZIEMANN(L)	REGAN(E)
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KNIEL(L)	✓PURPLE (L)	YOUNGBLOOD(E)	
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INTERNAL DISTRIBUTION

✓ <u>REG FILE</u>	<u>TECH REVIEW</u>	DENTON	<u>LIC ASST</u>	<u>A/T IND</u>
✓ <u>AEC PDR</u>	HENDRIE	GRIMES		BRAITMAN
OGC, ROOM P-506A	SCHROEDER	GAMMILL	DIGGS (L)	SALTZMAN
MUNTZING/STAFF	MACCARY	KASTNER	GEARIN (L)	B. HURT
CASE	KNIGHT	BALLARD	GOULBOURNE (L)	<u>PLANS</u>
GIAMBUSSO	PAWLICKI	SPANGLER	LEE (L)	✓MCDONALD
BOYD	SHAO		MAIGRET (L)	DUBE w/input
MOORE (L)(BWR)	STELLO	<u>ENVIRO</u>	REED (E)	✓CHAPMAN
DEYOUNG(L)(PWR)	HOUSTON	MULLER	SERVICE (L)	<u>INFO</u>
SKOVHOLT (L)	NOVAK	DICKER	SHEPPARD (L)	C. MILES
GOLLER(L)	ROSS	KNIGHTON	SLATER (E)	KLECKER
P. COLLINS	IPPOLITO	YOUNGBLOOD	SMITH (L)	EISENHUT
DENISE	TEDESCO	REGAN	TEETS (L)	
<u>REG OPR</u>	LONG	PROJECT LDR	WADE (E)	<u>AOR FILE</u>
FILE & REGION(3)	LAINAS		WILLIAMS (E)	D. THOMPSON (2)
MORRIS	BENAROYA	<u>HARLESS</u>	WILSON (L)	
STEELE	VOLLMER			

EXTERNAL DISTRIBUTION

✓1 - LOCAL PDR Walhalla, S. C.	(1)(2)(10)-NATIONAL LAB'S	1-PDR-SAN/LA/NY
✓1 - TIC (ABERNATHY)	1-ASLBP(E/W Bldg, Rm 529)	1-LIBRARIAN
✓1 - NSIC(BUCHANAN)	1-W. PENNINGTON, Rm E-201 GT	BROOKHAVEN NAT. LAB
1 - ASLB	1-CONSULTANT'S	1-AGMED(Ruth Gussman)
1 - P. R. DAVIS (AEROJET NUCLEAR)	NEWMARK/BLUME/AGBABIAN	RM-B-127, GT.
16 - CYS ACRS HOLDING	1-GERALD ULRIKSON...ORNL	1-RD..MULLER..F-309 GT
	1-B & M SWINEBROAD, Rm E-201 GT	



## DUKE POWER COMPANY

POWER BUILDING

422 SOUTH CHURCH STREET, CHARLOTTE, N. C. 28201

June 13, 1974

P. O. Box 2178

### Regulatory Docket File

Mr. William G. McDonald, Director  
Office of Plans & Schedules  
Directorate of Licensing  
Office of Regulation  
U. S. Atomic Energy Commission  
Washington, D. C. 20545

Dear Mr. McDonald:

RE: Oconee Nuclear Station -- Units 1 & 2  
Docket Nos. 50-269 & 50-270

I appreciate your letter of April 17, 1974 in which you acknowledged the concern I had expressed for the definitions of terms used in your Operating Status Report.

As I reviewed your letter, it was apparent to me that in some cases I had not conveyed to you some of my main concerns so that in your future reassessment of your position on definitions, which you stated that you plan to review after a few months experience with the present format, full consideration would be given.

I will restate the points which appeared to need clarification as follows:

- (1) My concern was that the EEI definitions be used in your reports as they are throughout the industry rather than a concern for use in EEI publications only. Attached are lists of reports that currently use EEI definition of terms.
- (2) "Reactor Availability Factor" -- We feel that if this factor as stated is needed for your specialized data then there should also be a "reactor availability factor" which corresponds to EEI definitions used in industry generally since this particular availability factor is used for comparisons not only from nuclear unit to nuclear unit but also nuclear unit to fossil unit for an overall availability study throughout the industry. Why do you feel that an assumption of "unsatisfactory performance" on your part is more valid than the "assumption of satisfactory performance" 5456



June 13, 1974

performance during the time the unit was not in actual operation". In my opinion, you are departing a basic industry definition without sufficient justification.

- (3) "Plant Capacity Factor" -- The point of concern to us in your "capacity factor" is the use of "currently licensed power level" in the denominator. We do not have a currently licensed electrical power level. We have declared the maximum net dependable capacity of our Oconee Unit #1 to be 871 MWe, even though the equivalent electrical power calculated from the licensed thermal power was 886.3 MWe. Your definition would require us to use 886.3 MWe even though 871 MWe is the "commercial rating" of the unit, which is the net available MW to the system on a continuous basis. This "commercial rating" or "maximum net dependable capability" should also replace that portion of item 2 of the Operating Status Report which requests currently authorized power level -- MWe -- net.

Please give the above noted points consideration in that a consistency in definitions will mean a great deal to the utility industry as a whole in providing information that can be compared accurately. We have worked for a number of years arriving at the present status of acceptance. Please let us know if we can be of any aid in additional clarification.

Yours very truly,



A. C. Thies

ACT/cbh  
Enclosure

cc: Mr. L. Manning Muntzing  
Mr. N. C. Moseley  
Mr. E. C. Kistner, Chairman  
Prime Movers Committee, EEI  
Mr. H. J. Young, Vice President  
& Secretary, EEI  
Mr. G. F. Hatch, Chairman  
Statistical Committee, EEI

REPORTS DEALING WITH  
NUCLEAR STATISTICS RELEASED  
USING EEI DEFINITION

<u>NAME OF REPORT</u>	<u>CONTENTS</u>	<u>TO WHOM RELEASED</u>
Equipment Availability Report	(A) Service Hours (B) NSSS Availability (C) Turbine Availability (D) Unit Availability (E) Relative Mechanical Availability (F) Forced Outage Rate (G) Equivalent Forced Outage Rate (H) Forced Outage Reasons (I) Partial Outage Reasons (J) Capacity Factor (K) Load Factor (L) Generator Lost For Each Forced Outage (M) Generation Lost For Each Partial Outage	E.E.I.
Operating Status Report	(A) Hours Critical (B) Service Hours (C) Gross Thermal Generation (D) Gross Electrical Generation (E) Net Electrical Generation (F) Reactor Availability Factor (G) Plant Availability Factor (H) Plant Capacity Factor (I) Forced Outage Rate (J) Outages-Forced & Scheduled (K) Length of Outages (L) Reason For Outage (M) Method of Shutting Down Reactor	AEC
Electric Utilities and Licensees Annual Report FPC Form #1	(A) Electric Energy Account P. 431 (B) Steam Electric Plant Statistics - P. 432aaaaa	FPC
Power System Statement FPC Form #12	(A) Capacity and Output of System Generating Plants P. 4a (B) Steam - Electric, Including Nuclear, Plant Data P. 15a	FPC
Monthly Power Plant Report FPC Form #4	(A) Nameplate Data (B) Net Generation (C) Fuels Consumed	FPC

<u>NAME OF REPORT</u>	<u>CONTENTS</u>	<u>TO WHOM RELEASED</u>
Steam Electric Plant Air & Water Control Data FPC Form #67	(A) Fuels Quality & Consumption (B) Plant Capacity (C) Capacity Factor (D) Plant Operation & Maintenance Expenses (E) Equipment (Design Parameters) (F) Operational Data (G) Water Use & Treatment	FPC
Environmental Studies	(A) Capacity Factors	E.P.A. Region 4
Rate Case Data	(A) Capabilities (B) Heat Rates (C) Capacity Factors (D) Cost Data (E) Fuel Data	N.C. Utilities Commission
Rate Case Data	(A) Capabilities (B) Heat Rates (C) Capacity Factors (D) Cost Data (E) Fuel Data	S.C. Public Service Commission
Fuel Data	(A) Fuel Purchased (B) % Sulfur	State of S.C.
Fuel Consumption Data	(A) Fuels Consumed by Type	Gaston County State of N.C.
Boiler & Precipitator Registration	(A) Design Data On All Boilers and Precipitator	State of N.C.
Thermal Effluent Studies	(A) Air & Water Data (B) Capacity Factors	Mr. C. A. Dewey Design Eng. For AEC & EPA
Cooling Tower Studies	(A) Capacity Factors	Mr. L. D. Dail, Design. Engr.
Procost Model	(A) Max. Dependable Capabilities (B) Definition of Capacity Factor (EEI)	Mr. F. W. Beyer System Planning
Duke Financial Model	(A) Fuel Data (B) Cost Data (C) Demonstrated Capabilities	Mr. Dick Holmes Treasury Studies Accounting Dept.
Electric Production Economy Statistics For Year ____	(A) Operating Statistics	Mr. John Monsees Consolidated Edison Company

NAME OF REPORTCONTENTSTO WHOM RELEASED

Availability Report

- (A) Plant Availability
- (B) Reactor Availability
- (C) Off Line Hours
- (D) Reactor Unavailable Hours
- (E) Reasons for Unavailability

Atomic Industrial  
ForumGenerating Statistics  
For Month \_\_\_\_\_

- (A) Unit Capacity
- (B) Gross Electrical  
Generation
- (C) Cumulative Gross Electrical  
Generation From Initial  
Startup to End of Current Month
- (D) Total Length of Outages
- (E) Reason For Outages  
(Forced or Scheduled)

Nucleonics Week

Generation Report

- (A) Gross Electrical  
Generation
- (B) Service Hours for Month
- (C) Cumulative Gross Electrical  
Generation From Initial  
Startup to End of Current Month

Atomwirtschaft  
Dusseldorf, GermanyNERC  
(National Electric  
Reliability Council)

- (A) Reliability Data

Mr. W. D. Brown

SERC  
(Southeastern Reliability  
Council)

- (A) Reliability Data

Mr. W. R. Brownlee

6/6/74  
cbh