

**NRC DISTRIBUTION FOR PART 50 DOCUMENT MATERIAL
(TEMPORARY FORM)**

CONTROL NO: 8187

FILE: INCIDENT REPORT FILE

FROM: Duke Power Co. Charlotte, N.C. 28242 Wm. O. Parker, Jr.			DATE OF DOC 7-25-75	DATE REC'D 8-1-75	LTR XX	TWX	RPT	OTHER
TO: Mr. Noarman C. Moseley			ORIG 1 signed	CC	OTHER	SENT AEC PDR <u>XX</u> SENT LOCAL PDR <u>XX</u>		
CLASS	UNCLASS XXX	PROP INFO	INPUT	NO CYS REC'D 1		DOCKET NO: 50-287		

DESCRIPTION: Ltr trans the following:

ENCLOSURES: Abnormal Occurrence AO-50-287/
75-9 on 7-13-75 re power level cutoff
exceeded during transient xenon conditions...

(1 Orig cy encl rec'd)

PLANT NAME: Oconee Unit 3

Do Not Remove
ACKNOWLEDGED

FOR ACTION/INFORMATION DHL 8-5-75

BUTLER (L) W/ Copies	SCHWENCER (L) W/ Copies	ZIEMANN (L) W/ Copies	REGAN (E) W/ Copies
CLARK (L) W/ Copies	STOLZ (L) W/ Copies	DICKER (E) W/ Copies	LEAR (L) W/ Copies
PARR (L) W/ Copies	VASSALLO (L) W/ Copies	KNIGHTON (E) W/ Copies	SPELS W/ Copies
KNIEL (L) W/ Copies	PURPLE (L) W/ Copies	YOUNGBLOOD (E) W/ Copies	

INTERNAL DISTRIBUTION

REG FILE NRC PDR OGC, ROOM P-506A GOSSICK/STAFF CASE GIAMBUSSO BOYD MOORE (L) DEYOUNG (L) SKOVHOLT (L) GOLLER (L) (Ltr) P. COLLINS DENISE REG OPR FILE & REGION (2) MIPC/PE (3) STEELE	TECH REVIEW SCHROEDER MACCARY KNIGHT PAWLICKI SHAO **STELLO **HOUSTON **NOVAK ROSS IPPOLITO TEDESCO J. COLLINS LAINAS BENAROYA VOLLMER	DENTON **GRIMES GAMMILL KASTNER BALLARD SPANGLER ENVIRO MULLER DICKER KNIGHTON YOUNGBLOOD REGAN PROJECT LDR HARLESS	LIC ASST R. DIGGS (L) H. GEARIN (L) E. GOULBOURNE (L) P. KREUTZER (E) J. LEE (L) M. RUSHBROOK (L) S. REED (E) M. SERVICE (L) S. SHEPPARD (L) M. SLATER (E) H. SMITH (L) S. TEETS (L) G. WILLIAMS (E) V. WILSON (L) R. INGRAM (L) M. DUNCAN (E)	A/T IND. BRAITMAN SALTZMAN MELTZ PLANS MCDONALD CHAPMAN DUBE (Ltr) E. COUPE PETERSON HARTFIELD (2) KLECKER EISENHUT WIGGINTON F. WILLIAMS HANAUER
---	---	--	--	--

EXTERNAL DISTRIBUTION

1 - LOCAL PDR Walhalla, S.C.	1 - TIC (ABERNATHY) (1)(2)(10)	1 - NATIONAL LABS	1 - PDR-SAN/LA/NY
1 - NSIC (BUCHANAN)	1 - W. PENNINGTON, Rm E-201 GT	1 - CONSULTANTS	1 - BROOKHAVEN NAT LAB
1 - ASLB	1 - NEWMARK/BLUME/AGBABIAN		1 - G. ULRIKSON, ORNL
1 - Newton Anderson			1 - AGMED (RUTH GUSSMAN) Rm B-127 GT
5 - ACRS SENT TO LIC ASST Sheppard 8-5-75			1 - J. D. RUNKLES, Rm E-201 GT
** SEND ONLY TEN DAY REPORTS			

7/8/75

DUKE POWER COMPANY

POWER BUILDING

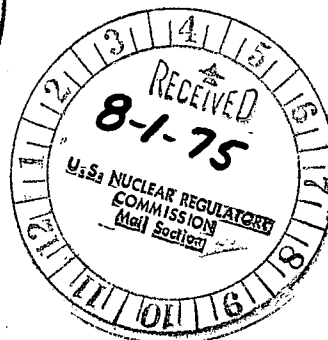
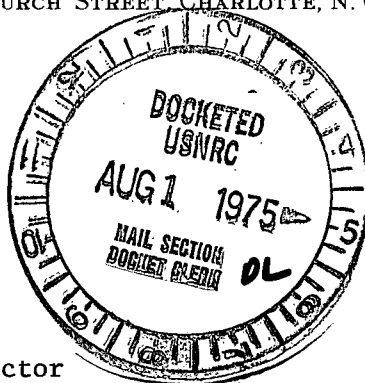
422 SOUTH CHURCH STREET, CHARLOTTE, N. C. 28242

Regulatory Docket File

WILLIAM O. PARKER, JR.
VICE PRESIDENT
STEAM PRODUCTION

TELEPHONE: AREA 704
373-4083

July 25, 1975



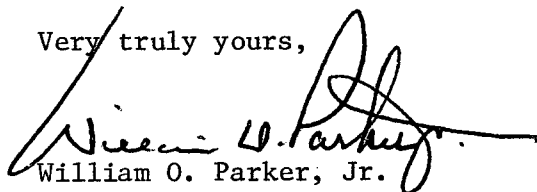
Mr. Norman C. Moseley, Director
U. S. Nuclear Regulatory Commission
Suite 818
230 Peachtree Street, Northwest
Atlanta, Georgia 30303

Re: Oconee Unit 3
Docket No. 50-287

Dear Mr. Moseley:

Pursuant to Sections 6.2 and 6.6.2 of the Oconee Nuclear Station
Technical Specifications, please find attached Abnormal Occurrence
Report AO-287/75-9.

Very truly yours,


William O. Parker, Jr.

ROS:vr
Attachment

cc: Mr. Angelo Giambusso

8187

JUL 28 10 20 AM '75

U.S.A.E.C.
REGULATORY OPERATIONS
REGION II
ATLANTA, GA.

DUKE POWER COMPANY
OCONEE UNIT 3

Report No.: AO-287/75-9

Approved by Lir Dated **1-25-75**

Report Date: July 25, 1975

Date of Occurrence: July 13, 1975

Facility: Oconee Unit 3, Seneca, South Carolina

Identification of Occurrence: Power level cutoff exceeded during transient xenon conditions

Conditions Prior to Occurrence: Unit at 80 percent full power

Description of Occurrence:

On July 13, 1975, Oconee Unit 3 was operating at approximately 80 percent full power while waiting for xenon to approach equilibrium. Control board annunciators alerted the control operator that reactor power had increased to 84 percent full power. The control operator noticed that the B loop turbine bypass valves had opened. The operator took immediate action to reduce reactor power below the power level cutoff and to close the turbine bypass block valve.

Designation of Apparent Cause of Occurrence:

Oconee Technical Specification 3.5.2.5.d does not allow Oconee 3 reactor power to be increased above 82.5 percent full power unless xenon reactivity is within 10 percent of the value for operation at steady-state rated power. Reactor power was increased above 82.5 percent full power by the Integrated Control System in response to the opening of the B loop turbine bypass valves. As the bypass valves opened, dumping steam directly to the condenser, the Integrated Control System increased reactor power in order to maintain the unit electrical load. The bypass valves opened improperly because of a failed module within the turbine bypass valve controls.

Analysis of Occurrence:

The power level cutoff is designed to maintain linear heat rate within limits based on 10CFR50, Appendix K (ECCS) criteria. Although xenon reactivity was not within prescribed limits, analysis has shown the peaking factors and maximum linear heat rate at this time to be well within the normal operating limits.

Operation above the power level cutoff was limited to a short period of time due to the prompt action taken by the control operator. It is concluded that the occurrence did not affect the safe operation of the unit nor the health and safety of the public.

U.S.A.E.C.
REGION II
ATLANTA, GA.
REGULATORY OPERATIONS

JUL 28 10 20 AM '75

Corrective Action:

The failed module in the turbine bypass valve control section of the Integrated Control System was replaced and a functional check performed to verify correct operation.

ALL INFORMATION CONTAINED
HEREIN IS UNCLASSIFIED
DATE 11-11-81 BY 1043
1043

JUL 28 10 20 AM '75

U.S. A.E.C.
REGULATORY OPERATIONS
REGION II
ATLANTA, GA.