

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

CONTROL NO: 13221

FILE: INCIDENT REPORT FILE

FROM: Duke Power Co. Charlotte, N.C. William O. Parker, Jr.			DATE OF DOC 11-13-75	DATE REC'D 11-20-75	LTR XXX	TWX	RPT	OTHER
TO: Norman Moseley			ORIG 1 Signed	CC 0	OTHER	SENT AEC PDR .XXX SENT LOCAL PDR .XXX		
CLASS	UNCLASS XXX	PROP INFO	INPUT	NO CYS REC'D 1		DOCKET NO: 50-287		

DESCRIPTION:
Letter trans the following.....

ENCLOSURES:
Unusual Event Report # 75-10, on 11-5-75,
Concerning a Weld Failure on sample line
from Low Pressure Injection system cooler.

(1 Copy Received)

PLANT NAME: Oconee # 3

FOR ACTION/INFORMATION

SAB 11-21-75

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	REID W/ Copies

**DO NOT REMOVE
ACKNOWLEDGED**

INTERNAL DISTRIBUTION

REG FILE NRC PDR OGC, ROOM P-506A GOSSICK/STAFF CASE 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 - NATIONAL LABS	1 - PDR-SAN/LA/NY
1 - TIC (ABERNATHY) (1)(2)(10)	1 - W. PENNINGTON, Rm E-201 GT	1 - BROOKHAVEN NAT LAB
1 - NSIC (BUCHANAN)	1 - CONSULTANTS	1 - G. ULRIKSON, ORNL
1 - ASLB	NEWMARK/BLUME/AGBABIAN	1 - AGMED (RUTH GUSSMAN) Rm B-127 GT
1 - Newton Anderson	S. Sheppard	1 - J. D. RUNKLES, Rm E-201 GT
5 - ACRS SENT TO LIC ASST		
** SEND ONLY TEN DAY REPORTS		

[Handwritten signature]

DUKE POWER COMPANY

POWER BUILDING

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

WILLIAM O. PARKER, JR.
VICE PRESIDENT
STEAM PRODUCTION

TELEPHONE: AREA 704
373-4083

November 13, 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:

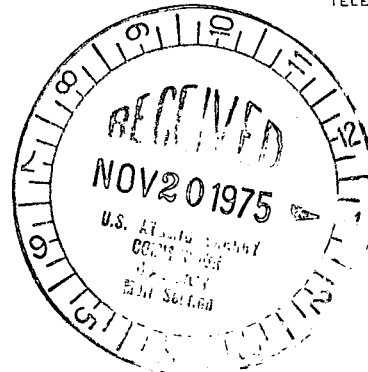
Pursuant to Sections 6.2 and 6.6.2 of the Oconee Nuclear Station
Technical Specifications, please find attached Unusual Event Report
UE-287/75-10.

Very truly yours,

William O. Parker Jr.
William O. Parker, Jr. *by WAH*

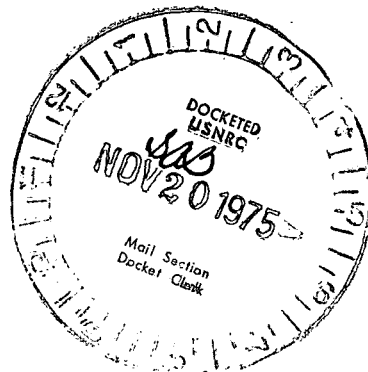
EDB:vr
Attachment

cc: Mr. Benard C. Rusche



Regulatory

File Cya



13221

[illegible]

2000. 2. 2.

2000 年 12 月 25 日

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99

2000

1. *Chlorophyll a* and *Chlorophyll b* were determined by the method of Arar and Collins (1987).

1. *Pharmaceutical industry* – The pharmaceutical industry is the largest of the three industries, with sales of \$10.5 billion in 1997. It is the most profitable, with a profit margin of 23.5%. The industry is dominated by a few large firms, with the top five firms accounting for 40% of sales. The industry is highly competitive, with many firms competing for market share. The industry is also highly regulated, with the FDA overseeing the approval of new drugs.

97. 11 03 11 21 AON

U.S. DEPT. OF JUSTICE
REGISTRATION OPERATIONS
RECORDS SECTION
ATLANTA, GA.

DUKE POWER COMPANY
OCONEE NUCLEAR STATION

Report No.: UE-287/75-10

Report Date: November 13, 1975

Event Date: October 5, 1975

Facility: Oconee Unit 3, Seneca, South Carolina

Identification of Event: Weld failure on sample line from Low Pressure
Injection System cooler

Conditions Prior to Event: Unit at cold shutdown

Description of Event:

On October 5, 1975, while the Oconee Unit 3 3A LPI train was in the decay heat removal mode, a 1" sample line from the discharge of the 3A LPI cooler separated from the LPI cooler discharge line. The 3A cooler was isolated and decay heat removal was continued with the 3B decay heat cooler.

Designation of Apparent Cause of Event:

This event was apparently caused by cavitation occurring at high flow rates in the butterfly control valve 3LP-12 located in the cooler discharge line. This cavitation caused the line to vibrate excessively during operation in the decay heat removal mode and consequently resulted in a weld failure in the sample line.

Analysis of Event:

This event involved the failure of a 1" sample line while the unit was in a cold shutdown condition. The redundant LPI cooler, 3B, was not affected and was operated to provide sufficient decay heat removal while the 3A LPI train was isolated and repairs completed. It is concluded that the health and safety of the public was unaffected by this event.

Corrective Action:

The 3A LPI train was isolated, the weld repaired, and dye penetrant testing was performed to assure system integrity. In addition, several representative welds, including corresponding welds in Units 1 and 2 will be dye penetrant tested. This testing will be completed by January 15, 1976.

The causative cavitation problem has existed in the LPI cooler discharge lines for all of the Oconee units. The problem was initially experienced with valves 1LP-12 and -14 and 2LP-12 and -14, located in the LPI cooler discharge lines of Units 1 and 2, and occurred under conditions of low

THIS IS TO CERTIFY THAT THE ABOVE NAMED PERSONS ARE
THE ONLY PERSONS WHOSE NAMES ARE ON THE LIST OF
PERSONS WHOSE NAMES ARE ON THE LIST OF
PERSONS WHOSE NAMES ARE ON THE LIST OF

PERSONS WHOSE NAMES ARE ON THE LIST OF

THESE PERSONS ARE THE ONLY PERSONS WHOSE NAMES ARE ON THE LIST OF
PERSONS WHOSE NAMES ARE ON THE LIST OF
PERSONS WHOSE NAMES ARE ON THE LIST OF
PERSONS WHOSE NAMES ARE ON THE LIST OF

THESE PERSONS ARE THE ONLY PERSONS WHOSE NAMES ARE ON THE LIST OF
PERSONS WHOSE NAMES ARE ON THE LIST OF
PERSONS WHOSE NAMES ARE ON THE LIST OF
PERSONS WHOSE NAMES ARE ON THE LIST OF

THESE PERSONS ARE THE ONLY PERSONS WHOSE NAMES ARE ON THE LIST OF
PERSONS WHOSE NAMES ARE ON THE LIST OF
PERSONS WHOSE NAMES ARE ON THE LIST OF
PERSONS WHOSE NAMES ARE ON THE LIST OF

THESE PERSONS ARE THE ONLY PERSONS WHOSE NAMES ARE ON THE LIST OF
PERSONS WHOSE NAMES ARE ON THE LIST OF
PERSONS WHOSE NAMES ARE ON THE LIST OF
PERSONS WHOSE NAMES ARE ON THE LIST OF

NOV 12 11 04 AM '75
REGULATORY OPERATIONS
REGION II
ATLANTA, GA.
U.S.A.F.C.

coolant flow through these lines. After careful review, a decision was made to replace these valves with valves of a globe body design which would eliminate the cavitation problem. These valves for Units 1 and 2 were ordered in June, 1975. It was not considered that this cavitation problem would occur in Unit 2 LPI coolers since the piping arrangement differs from Units 1 and 2 and valves 3LP-12 and -14 are of a different design, intended to alleviate the cavitation effects as experienced in Units 1 and 2. A cavitation problem was experienced with Unit 3, however, but differed from that experienced with Units 1 and 2 since it occurred at high rather than at low flow rates. Currently, after performing a comprehensive evaluation of this incident, it has been concluded that replacement valves identical to those being procured for Units 1 and 2 are necessary to alleviate the cavitation problem in Unit 3. The procurement of these valves is being finalized.

U.S.A.F.C.
REGULATORY OPERATIONS
FOURTH FL
ATLANTA, GA.

Nov 17 11:03 AM '75

TO: DIRECTOR, FBI
FROM: SAC, ATLANTA
SUBJECT: [Illegible]
[The following text is extremely faint and largely illegible due to the quality of the scan. It appears to be a multi-paragraph memorandum or letter.]