

A 03/14/78

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)
DISTRIBUTION FOR INCOMING MATERIAL 50-287

REC: OREILLY J P
NRC

ORG: PARKER W O
DUKE PWR

DOCDATE: 03/03/78
DATE RCVD: 03/09/78

DOCTYPE: LETTER NOTARIZED: NO

COPIES RECEIVED

SUBJECT:

LTR 1 ENCL 1

LICENSEE EVENT REPT (RO 50-287/78-4) ON 02/03/78 CONCERNING ELEC
FAILURE OF BS-3 VALVE'S TORQUE SWITCH.

PLANT NAME: OCONEE - UNIT 3

REVIEWER INITIAL: XJM
DISTRIBUTOR INITIAL: DL

***** DISTRIBUTION OF THIS MATERIAL IS AS FOLLOWS *****

NOTES:

1. M. CUNNINGHAM - ALL AMENDMENTS TO FSAR AND CHANGES TO TECH SPECS

INCIDENT REPORTS
(DISTRIBUTION CODE A002)

FOR ACTION: BR CHIEF REID**W/4 ENCL

INTERNAL:

REG FILE**W/ENCL
I & E**W/2 ENCL
SCHROEDER/IPPOLITO**W/ENCL
NOVAK/CHECK**W/ENCL
KNIGHT**W/ENCL
HANAUER**W/ENCL
EISENHUT**W/ENCL
SHAO**W/ENCL
KREGER/J. COLLINS**W/ENCL
K SEYFRIT/IE**W/ENCL

NRC PDR**W/ENCL
MIPC**W/3 ENCL
HOUSTON**W/ENCL
GRIMES**W/ENCL
BUTLER**W/ENCL
TEDESCO**W/ENCL
BAER**W/ENCL
VOLLMER/BUNCH**W/ENCL
ROSA**W/ENCL

EXTERNAL:

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

COPIES NOT SUBMITTED PER
REGULATORY GUIDE 10.1

DISTRIBUTION: LTR 45 ENCL 45
SIZE: 1P+1P+1P

CONTROL NBR: 780720035

THE END

007

DUKE POWER COMPANY

POWER BUILDING

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

WILLIAM O. PARKER, JR.
VICE PRESIDENT
STEAM PRODUCTION

March 3, 1978

TELEPHONE: AREA 704
373-4083

Mr. James P. O'Reilly, Director
U. S. Nuclear Regulatory Commission
Suite 1217
230 Peachtree Street, Northwest
Atlanta, Georgia 30303



RE: Oconee Unit 3
Docket No. 50-287

Dear Mr. O'Reilly:

Pursuant to Sections 6.2 and 6.6.2 of the Oconee Nuclear Station
Technical Specifications, please find attached Reportable Occurrence
Report RO-287/78-4.

Very truly yours,

William O. Parker, Jr.
William O. Parker, Jr. *By Hmt*

KRW:ge
Attachment

cc: Director, Office of Management Information
and Program Control

780720035

*A002
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11*

DUKE POWER COMPANY
OCONEE UNIT 3

Report No.: RO-287/78-4

Report Date: March 3, 1978

Occurrence Date: February 3, 1978

Facility: Oconee Unit 3, Seneca, South Carolina

Description of Occurrence: 3BS-3, Building Spray Pump Suction Valve
Inoperable

Conditions Prior to Occurrence: 100% Full Power

Description of Occurrence:

On February 3, 1978, at 1005, during the performance of PT/3/A/150/15A (valve operational test) 3BS-3 failed to open. The valve was closed in order to test its ability to assume its post-LOCA position (open) and failed to do so. The valve's torque switch was replaced and the valve was operable by 1515.

Apparent Cause of Occurrence:

The valve's torque switch evidently failed thereby preventing the valve from properly operating.

Analysis of Occurrence:

The reactor building spray system consists of two separate trains with independent spray headers. The 3BS-3 failure rendered the "A" train inoperable, but the other train was available to mitigate the consequences of accidents considered in the FSAR, and the train was returned to service within the 24 hours allowed for repair in Technical Specification 3.3.5. Therefore, the health and safety of the public were not endangered by this incident.

Corrective Action:

The valve's torque switch was replaced and the valve was verified operable.

EXHIBIT A

CONTROL BLOCK:										(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)											
0 1 S C N E E 3 2 0 0 - 0 0 0 0 0 0 - 0 0 0 3 4 1 1 1 1 1 4 5 <small>7 8 9 14 15 25 26 57 CAT 58</small> LICENSEE CODE LICENSE NUMBER LICENSE TYPE																					
CON'T																					
0 1 L 6 0 5 0 0 0 2 8 7 7 0 2 0 3 7 8 8 0 3 0 3 7 8 9 <small>7 8 60 61 68 69 74 75 80</small> REPORT SOURCE DOCKET NUMBER EVENT DATE REPORT DATE																					
EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)																					
On February 3, 1978, during a valve operability test, BS-3 was to be closed																					
and then opened to simulate its actions during and after a postulated																					
accident. It failed to open. The failure caused one of the two reactor																					
building spray trains to be inoperable. However, the other train was																					
available at all times and the repairs were accomplished within the Tech																					
Spec allowances in T.S. 3.5.3. Therefore, public health and safety were																					
not affected.																					
SYSTEM CODE CAUSE CODE CAUSE SUBCODE COMPONENT CODE COMP. SUBCODE VALVE SUBCODE 0 9 S B 11 E 12 A 13 V A L V O P 14 A 15 Z 16 <small>7 8 9 10 11 12 13 14 18 19 20</small>																					
17 LER/RO REPORT NUMBER 7 8 0 0 4 0 3 L 0 <small>21 22 24 26 27 28 29 30 31 32</small> ACTION TAKEN FUTURE ACTION EFFECT ON PLANT SHUTDOWN METHOD HOURS ATTACHMENT SUBMITTED NPRA FORM SUB. PRIME COMP. SUPPLIER COMPONENT MANUFACTURER 0 18 Z 19 Z 20 Z 21 0 0 0 0 Y 23 Y 24 N 25 L 2 0 0 0 26 <small>33 34 35 36 37 38 39 40 41 42 43 44 45 46 47</small>																					
CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)																					
The cause of the incident was the electrical failure of the valve's																					
torque switch. The corrective action was the replacement of the switch																					
and verification of the valve's operability.																					
FACILITY STATUS % POWER OTHER STATUS METHOD OF DISCOVERY DISCOVERY DESCRIPTION 1 5 E 28 1 0 0 NA B 31 During PT/3/A/O150/15A <small>7 8 9 10 12 13 44 45 46</small>																					
ACTIVITY CONTENT RELEASED OF RELEASE AMOUNT OF ACTIVITY LOCATION OF RELEASE 1 6 Z 33 Z 34 NA NA <small>7 8 9 10 11 44 45 46</small>																					
PERSONNEL EXPOSURES NUMBER TYPE DESCRIPTION 1 7 0 0 0 37 Z 38 NA <small>7 8 9 11 12 13</small>																					
PERSONNEL INJURIES NUMBER DESCRIPTION 1 8 0 0 0 40 NA <small>7 8 9 11 12</small>																					
LOSS OF OR DAMAGE TO FACILITY TYPE DESCRIPTION 1 9 Z 42 NA <small>7 8 9 10</small>																					
PUBLICITY ISSUED DESCRIPTION 2 0 N 44 NA <small>7 8 9 10</small>																					
NRC USE ONLY																					
NAME OF PREPARER K. R. Wilson PHONE: (704) 373-8197																					