

05/11/78

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)
DISTRIBUTION FOR INCOMING MATERIAL 50-270

REC: OREILLY J P
NRC

ORG: PARKER W O
DUKE PWR

DOCDATE: 05/05/78
DATE RCVD: 05/10/78

DOCTYPE: LETTER NOTARIZED: NO

COPIES RECEIVED

SUBJECT:

LTR 1 ENCL 1

FORWARDING LICENSEE EVENT REPT (RO 50-270/78-006) ON 04/07/78 CONCERNING THE
RC LEAK RATE EXCEEDED 1 GPM. LEAK WAS PRIMARILY A PACKING LEAK ON ZRC-3,
THE SPRAY CONTROL BLOCK VALVE, RESULTING FROM BLOWN PACKING. W/ATT.

PLANT NAME: OCONEE - UNIT 2

REVIEWER INITIAL: XJM

DISTRIBUTOR INITIAL: *me*

***** 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
EEB**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: 781310011

***** THE END *****

DUKE POWER COMPANY
POWER BUILDING
422 SOUTH CHURCH STREET, CHARLOTTE, N. C. 28242

REGULATORY DOCKET FILE COPY

WILLIAM O. PARKER, JR.
VICE PRESIDENT
STEAM PRODUCTION

May 5, 1978

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

RE: Oconee Unit 2
Docket No. 50-270

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-270/78-6.

Very truly yours,

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

KRW/rpc

Attachment

cc: Director, Office of Management Information
and Program Control

US NRC
DISTRIBUTION SERVICES
BRANCH

1978 MAY 10 AM 11 40

TELEPHONE: AREA 704
378-8083
DISTRIBUTION
SERVICES UNIT

781310011

A002
S
1/1

DUKE POWER COMPANY
OCONEE UNIT 2

Report Number: RO-270/78-6

Report Date: May 5, 1978

Occurrence Date: April 7, 1978

Facility: Oconee Unit 2, Seneca, South Carolina

Identification of Occurrence: Reactor Coolant Leakage in Excess of 1 gpm

Conditions Prior to Occurrence: 100% Full Power

Description of Occurrence:

At 1000, on April 6, 1978, it was determined that the reactor coolant leakage rate exceeded 1 gpm and an investigation was commenced. By 1500, personnel had entered the Reactor Building (RB) and observed the leak to be from a valve packing and would require unit shutdown to repair. A safety evaluation pursuant to Oconee Technical Specification 3.1.6.5 was performed. At 2200 on April 8, 1978, the leak was determined to be coming from Spray Control Outlet Block Valve, 2RC-3. This valve and an instrument line root valve were both repacked. On April 12, 1978, the unit was started up but prior to achieving criticality, an additional leak was discovered in the pressurizer heater bundle. This leak was repaired on April 22, 1978. The unit was then returned to service.

Cause of Occurrence:

The leaks on 2RC-3 and the instrument line root valve were both caused by blown packing. The leak in the pressurizer heater bundle was caused by a flange seal weld failure which was evidently initiated during startup after the valve repairs.

Analysis of Occurrence:

The leakage rate experience throughout the incident was well within the capacity of one HPI pump and no adverse effect on Reactor Coolant System capabilities resulted. The leakage was entirely contained within the Reactor Building. Public health and safety were not endangered by this incident.

A total of 40.885 man-rem of exposure were received by 104 persons involved in the investigation and repair operations.

Corrective Action:

The two leaking valves were repacked and the pressurizer heater bundle flange was cleaned and seal welded.

