6 03/16/18

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)
DISTRIBUTION FOR INCOMING MATERIAL 50-261

REC: OREILLY J P

ORG: BANKS H R

NRC

SUBJECT:

CAROLINA PWR & LIGHT

DOCDATE: 03/06/78

DATE RCVD: 03/14/78

DOCTYPE: LETTER

NOTARIZED: NO

COPIES RECEIVED

LTR 1 ENCL 1

LICENSEE EVENT REPT (RO 50-261/78-04) ON 02/17/78 CONCERNING DURING SHUTDOWN FOR REFUELING OUTAGE, SMALL PINHOLE LEAKS WERE FOUND ON

TWO CANOPY SEAL WELDS (ONE CRDM AND ONE SPARE PLUG).

PLANT NAME: H B ROBINSON - UNIT 2

REVIEWER INITIAL: XJM

DISTRIBUTOR INITIAL:

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

INCIDENT REPORTS
(DISTRIBUTION CODE A002)

FOR ACTION:

BR CHIEF SCHWENCER**W/4 ENCL

INTERNAL:

REG FILE**W/END

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

EXTERNAL:

LPDR1S

HARTSVILLE, SC**W/ENCL

TIC**W/ENCL NSIC**W/ENCL

ACRS CAT B**W/16 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

DISTRIBUTION:

LTR 45

ENCL 45

CONTROL NBR:

780740031

SIZE: 1P+1P+1P

THE END

V



Carolina Power & Light Company

March 6, 1978

FILE: NG-3516 (R)

SERIAL: GD-78-634

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

H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2
DOCKET 50-261

LICENSE NO. DPR-23 LICENSEE EVENT REPORT 78-04

Dear Mr. O'Reilly:

In accordance with Section 6.9.2 of the Technical Specifications for the H. B. Robinson Steam Electric Plant, Unit 2, the attached Licensee Event Report is submitted. This report fulfills the requirement for a written report within fourteen (14) days of a reportable occurrence and is in accordance with the format set forth in NUREG-0161, July, 1977.

Yours very truly,

H. R. Banks

Manager

Nuclear Generation

DCS:tme*

Attachment

cc: Messrs. R. A. Hartfield

E. Volgenau

780740031

A057

Supplementary Information For

Reportable Occurrence 78-04

1. Report No.: 50-261/78-04

2a. Report Date:

2b. Occurrence Date: February 17, 1978

- 3. Facility: H. B. Robinson Unit No. 2, Hartsville, S. C. 29550
- 4. <u>Identification of Occurrence</u>: On February 17, 1978, while inspecting the reactor vessel head, small pinhole leaks were found on two canopy seal welds. This constitutes a reportable occurrence in accordance with Technical Specifications Paragraph 6.9.2.a.3.
- 5. <u>Conditions Prior to Occurrence</u>: The plant was shut down for a refueling outage, and the reactor vessel head was sitting on its storage pad.
- 6. Description of Occurrence: On February 17, 1978, the reactor vessel head was being inspected for possible leakage in the vicinity of the CRDM canopy seal welds. Crystallized boric acid had been noted around two canopy seals. Pinhole leaks were noted on the seal welds at core locations D-4 (3 holes) and G-7 (1 hole). Procedures are now being implemented to repair the leaks.
- 7. Designation of Apparent Cause of Occurrence: Examination of the weld surfaces revealed that the leaks were of pinhole size and circular in shape and were not the result of weld cracking. It appears that the leaks were the result of weld degradation. The precise mechanism resulting in the degradation is currently unknown.
- 8. Analysis of Occurrence: The machined and threaded surfaces of each vessel head stub assembly provide primary and secondary pressure boundaries, respectively, for the reactor coolant. The seal weld only contains the minute leakage that might occur past the machined and threaded joint. Therefore, the pinhole leaks do not result in any adverse effects to plant operation or to the public health and safety.
- 9. <u>Corrective Action</u>: Weld repair and non-destructive examination of all pinhole leaks will be performed. Following this procedure, the head adapter plugs and control rod drive mechanisms will be ready for return to service.
- 10. <u>Failure Data</u>: Pinhole leaks had been found previously on three (one CRDM and two plugs) canopy seal welds at locations C-9, D-4 and L-13 on November 17, 1976. Reference HBR 2 RO 76-20. The current leaks at location D-4 appear to be in an area different from that previously repaired.

(7.77)