

REPORT OF ABNORMAL OCCURRENCE AND/OR INCIDENT

NRC DISTRIBUTION FOR PART 50 DOCKET MATERIAL (TEMPORARY FORM)

CONTROL NO: 6368

FILE: INCIDENT REPORT FILE

FROM: Carolina Power & Light Raleigh, N C J A Jones			DATE OF DOC 6-6-75		DATE REC'D 6-11-75		LTR XX	TWX	RPT	OTHER	
TO: Mr. Norman Moseley			ORIG 1 signed		CC	OTHER	SENT AEC PDR XXX XXXXX		SENT LOCAL PDR		
CLASS	UNCLASS XXXX	PROP INFO	INPUT		NO CYS REC'D 40		DOCKET NO: 50-261				
DESCRIPTION: Ltr trans the following: ACKNOWLEDGED DO NOT REMOVE						ENCLOSURES: Abnormal Occurrence Report No. 50-261/75-11 on 5-27-75, The Reactor Coolant System oxygen concentration was 0.16 PPM with the reactor at power.... 40 copies encl rec'd					
PLANT NAME: H B Robinson # 2											

FOR ACTION/INFORMATION wtm 6-12-75

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** SEND ONLY TEN DAY REPORTS		



Carolina Power & Light Company

June 6, 1975

Regulatory Docket File

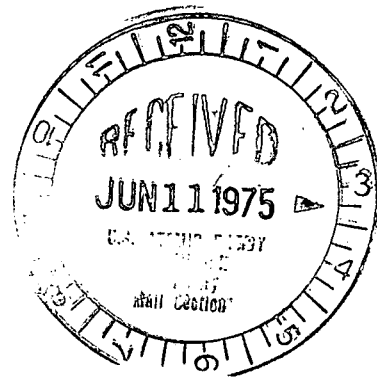
50 - 261

File: NG-3513 (R)

Serial: NG-75-860

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

Dear Mr. Moseley:



H. B. ROBINSON UNIT NO. 2
LICENSE NO. DPR-23
REACTOR COOLANT SYSTEM OXYGEN CONCENTRATION

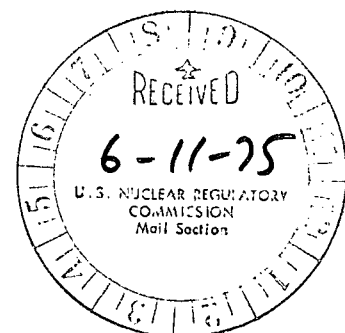
In accordance with 6.6.2.a of the Technical Specifications for H. B. Robinson Unit No. 2, the attached Abnormal Occurrence Report is submitted for your information. This report fulfills the requirement for a written report within ten days of an Abnormal Occurrence and is in accordance with the format set forth in Regulatory Guideline 1.16, Revision 1.

Yours very truly,

J. A. Jones
Executive Vice-President
Engineering, Construction & Operation

DBW:mc
Attachment

cc: Messrs. N. B. Bessac
P. W. Howe
R. E. Jones
D. Knuth
J. B. McGirt
D. B. Waters



6368

ABNORMAL OCCURRENCE

1. Report No. 50-261/75-11
- 2a. Report Date June 5, 1975
- 2b. Occurrence Date May 27, 1975
3. Facility H. B. Robinson Unit No. 2
Hartsville, South Carolina 29550

4. Identification of Occurrence

The Reactor Coolant System (RCS) oxygen concentration was 0.16 PPM with the reactor at power constituting an abnormal occurrence as defined in Technical Specification 1.8.b.

5. Conditions Prior to Occurrence

The reactor was operating at 33% power and increasing following a maintenance outage.

6. Description of Occurrence

At 0930 hours, an analysis of the RCS revealed the oxygen concentration to be 0.16 PPM. This constitutes a violation of Technical Specification 3.1.6.1 which limits RCS oxygen to 0.1 PPM above 250°F. A sample taken prior to increasing the temperature above 250°F was within the limit of 0.1 PPM.

7. Designation of Apparent Cause of Occurrence

To scavenge oxygen from the RCS a minimum hydrogen concentration of 15^{cc}/kg is required. At 0910 hours the hydrogen concentration was 9^{cc}/kg. The volume control tank (VCT) apparently had a mixture of hydrogen and nitrogen limiting the amount of hydrogen getting to the RCS.

8. Analysis of Occurrence

The RCS was vented properly and hydrazine was added to scavenge oxygen prior to plant heatup. During plant heatup a hydrogen atmosphere was placed on the VCT to add hydrogen to the RCS and reduce the oxygen concentration. However, the increase of hydrogen in the RCS was abnormally slow which resulted in a high oxygen concentration.

9. Corrective Action

The VCT was vented several times removing nitrogen and establishing a higher concentration of hydrogen. The RCS hydrogen concentration increased and at 1115 hours the RCS oxygen concentration was below detectable limits.

10. Failure Data

None