

50-261

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FILE NUMBER

INCIDENT REPORT

TO:

Mr. Norman C. Moseley

FROM:

Carolina Power & Light Company
Raleigh, North Carolina
H. R. Banks

DATE OF DOCUMENT

4/7/77

DATE RECEIVED

4/11/77

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100

DESCRIPTION

Ltr. trans the following:

PLANT NAME:

H. B. Robinson Unit No. 2

RJL

(1-P)

ENCLOSURE

Licensee Event Report (RO 50-261/77-5) on
3/24/77 concerning taking the plant from
hot shutdown to criticality & the contain-
ment spray pump "A" not being in service...

RECEIVED

DO NOT REMOVE

NOTE: IF PERSONNEL EXPOSURE IS INVOLVED
SEND DIRECTLY TO KREGER/J. COLLINS

(3-P)

FOR ACTION/INFORMATION

BRANCH CHIEF:

Reid (5)

W/3 CYS FOR ACTION

LIC. ASST.:

W/1 CYS

ACRS 16 CYS HOLDING/SENT

Ingram

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TEDESCO/MACCARY

EISENHUT

BAER

SHAO

VOLLMER/BUNCH

KREGER/J. COLLINS

EXTERNAL DISTRIBUTION

LPDR: Hartsville, SC

TIC:

NSIC:

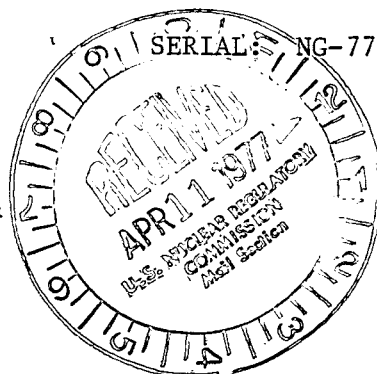
CONTROL NUMBER

771020021

April 7, 1977

FILE: NG-3516 (R)

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 STEAM ELECTRIC PLANT, UNIT NO. 2
DOCKET 50-261
LICENSE NO. DPR-23
LICENSEE EVENT REPORT 77-5

In accordance with Section 6.9.2.a 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 Regulatory Guide 1.16, Revision 4.

Yours very truly,

A handwritten signature in cursive script, reading "Harold R. Banks".

H. R. Banks
Manager
Nuclear Generation

CSB:kjd

Attachment

cc: Messrs. W. G. McDonald
E. Volgenau

LICENSEE EVENT REPORT

*CONTROL BLOCK:

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1 6

[PLEASE PRINT ALL REQUIRED INFORMATION]

LICENSEE NAME										LICENSE NUMBER										LICENSE TYPE					EVENT TYPE	
01	S	C	H	B	R	2	0	0	-	0	0	0	0	0	-	0	0	4	1	1	1	0	0	1		
7	8	9				14	15									25		26					30	31	32	

CON'T		CATEGORY		REPORT TYPE	REPORT SOURCE	DOCKET NUMBER							EVENT DATE					REPORT DATE							
01				T	L	0	5	0	-	0	2	6	1	0	3	2	4	7	7	0	4	0	7	7	7
7	8	57	58	59	60	61							68	69					74	75					80

EVENT DESCRIPTION

02	While taking the plant from hot shutdown to criticality, the containment spray pump	80
03	"A" was not in service. It had been removed from service to facilitate radiographic	80
04	testing. Pump "B" remained in service. This is a violation of Technical Specifica-	80
05	tion 3.3.2.1.b and d. requiring both pumps operable while the plant is brought	80
06	critical. "A" pump was subsequently returned to service. (HBR2 RO 77-5)	80
	ME Non-compliance	80

CAUSE DESCRIPTION

08 Operations personnel had (without violation) removed containment spray pump "A" from 80
7 8 9

09 service to facilitate RT of portions of containment spray piping. Subsequent shutdown 80
7 8 9

10 to subcriticality and bringing plant again to criticality violated criteria 80
7 8 9 for minimum equipment for criticality. METHOD OF

7 **8**

FACILITY STATUS
[1][1]
Z

% POWER
0 0 0

OTHER STATUS
N/A

METHOD OF DISCOVERY
A

DISCOVERY DESCRIPTION
N/A

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

FORM OF ACTIVITY RELEASED		CONTENT OF RELEASE	AMOUNT OF ACTIVITY	LOCATION OF RELEASE
1	2	Z	N/A	N/A
7	8	9	10	11
				44
				45
				80

PERSONNEL EXPOSURES

NUMBER				TYPE	DESCRIPTION
1	3	0	0	7	N/A

PERSONNEL INJURIES

NUMBER				DESCRIPTION	
1	4	0	0	0	N/A

OFFSITE CONSEQUENCES

1	5	N/A	
7	8	80	

LOSS OR DAMAGE TO FACILITY

TYPE		DESCRIPTION
16	Z	N/A

PUBLCITY

1	7	N/A		80
7	8			

ADDITIONAL FACTORS

18 N/A 80

19

NAME: J. B. McGirt

PHONE: (883) 332-1351

Supplementary Information for
Reportable Occurrence 77-5

1. Report No.: 50-261/77-5
- 2a Report Date: April , 1977
- 2b. Occurrence Date: March 24, 1977
3. Facility: H. B. Robinson Unit No. 2, Hartsville, South Carolina 29550
4. Identification of Occurrence: At 0220 hrs. on March 24, 1977, "A" containment spray pump was removed from service per Operating Work Permit (OWP CS-3) to drain a portion of the containment spray piping. This action was taken to facilitate radiographic testing of portions of the piping. This pump was removed from service while the reactor was critical which is allowed by the Technical Specifications. However, the reactor was subsequently shutdown to subcriticality and again brought to criticality for training purposes. Criticality was achieved at 0318 hrs. on March 24, 1977, with the containment spray pump still out of service. Taking the reactor critical with this pump out of service was a violation of Technical Specification 3.3.2.1.b and d. and constitutes a reportable occurrence in accordance with Technical Specification 6.9.2.a(2).
5. Conditions Prior to Occurrence: The plant was at zero power with the reactor being maintained critical. The secondary plant had been shutdown due to problems associated with the turbine E-H system. Preparations were being made to perform startup training subsequent to taking the plant subcritical. Personnel were performing radiographic testing (RT) of certain emergency systems piping, and preparations were being made to perform radiography on portions of the containment spray piping.
6. Description of Occurrence: Operating personnel were aware that the containment spray pump "A" had been taken out of service while the reactor was critical. They also were aware that this was in compliance with the Technical Specifications. It was decided to perform training startups while the opportunity was available. Performing the startup training required the reactor to be shutdown and again be brought to criticality. Operating personnel failed to recognize that "A" containment spray pump was still removed from service, and its operability was required prior to re-initiating criticality. (Technical Specification 3.3.2.1.b and d.)

7. Designation of Apparent Cause of Occurrence: The occurrence apparently was caused by an oversight of plant personnel in recognizing that the pump was still out of service when the reactor was again taken critical.
8. Analysis of Occurrence: The occurrence could have been avoided if the Technical Specification had been referenced both prior to removal of the "A" containment spray pump from service and prior to achieving criticality.
9. Corrective Action: Operations personnel will be instructed to review the applicable section of the Technical Specification regarding minimum equipment required for critical plant operation. The Equipment Out-of-Service Record will be attached to the Minimum Equipment (for Criticality) List for each shift to assure a comprehensive, up-to-date review of plant conditions is made prior to initiating a plant startup.

CP&L

Carolina Power & Light Company

Central File
50-261

B. B. ROBINSON STEAM ELECTRIC PLANT

Post Office Box 790

Bartsville, South Carolina 29550

March 25, 1977

90-77-5 02

3-24-77

Robinson File No. 1-0-1-a-1

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

Dr. Ernest Volgenau, Director
Regulatory Operations
U. S. Nuclear Regulatory Commission
Washington, D. C. 20545

Dear Sirs:

In accordance with Section 6.9.2.a.2 of the Technical Specifications, the following occurrence is reported.

On March 24, 1977 at 0318 hours the reactor was taken critical for a training startup. "A" Containment Spray Pump was out of service at this time. This is a violation of Technical Specification 3.3.2.1.b.

This was reported to Mr. Bud Epps of NRC, Atlanta and Mr. Harold Banks of Carolina Power and Light Company on March 24, 1977.

Yours very truly,

JB McGirt

Jack B. McGirt, Manager
H. B. Robinson SEG Plant

REM:ms