

NRC DISTRIBUTION FOR PART 50 DOCKET MATERIAL

FILE NUMBER
INCIDENT REPORT

TO: Mr. Norman C. Moseley

FROM: FPL
Miami, Fla. 33101
A.D. Schmidt

DATE OF DOCUMENT
5-13-77

DATE RECEIVED
6-24-77

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 UNCLASSIFIED

PROP

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1 SIGNED

DESCRIPTION Ltr trans the following: (1P)

ENCLOSURE Lic. Event Report 77&-2 on 4-15-77 concerning failure of the boric acid transfer pump..... (2P)

(1 cy encl rec'd)

PLANT NAME: Turkey Pt Unit 4

DHL 6-24-77

**ACKNOWLEDGED
DO NOT REMOVE**

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

FOR ACTION/INFORMATION

BRANCH CHIEF:	<i>Leav</i>
W/3 CYS FOR ACTION	
LIC, ASST.:	<i>Parrish</i>
W/1 CYS	
ACRS, 16 CYS HOLDING/SENT	<i>ASCA</i>

INTERNAL DISTRIBUTION

<input checked="" type="checkbox"/> REG FILE				
NRC PDR				
I & E (2)				
MIPC				
SCHROEDER/IPPOLITO				
HOUSTON				
NOVAK/CHECK				
GRIMES				
BUTLER				
HANAUER				
TEDESCO/MACCARY				
EISENHUT				
BAER				
SHAO				
VOLLMER/BUNGH				
KREGER/J. COLLINS				

EXTERNAL DISTRIBUTION

CONTROL NUMBER

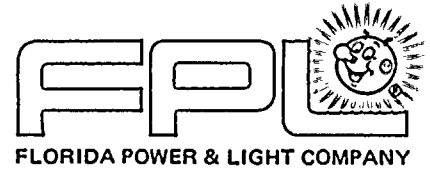
LPDR: <i>Miami Fla</i>			
TIC:			
NSIC:			

ab.1

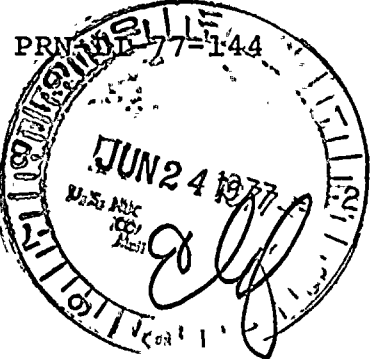


.....

111



May 13, 1977



Mr. Norman C. Moseley, Director, Region II
Office of Inspection and Enforcement
U. S. Nuclear Regulatory Commission
230 Peachtree Street, N. W., Suite 1217
Atlanta, Georgia 30303

Dear Mr. Moseley:

REPORTABLE OCCURRENCE 251-77-2
TURKEY POINT UNIT 4
DATE OF OCCURRENCE: APRIL 15, 1977

BORIC ACID TRANSFER PUMPS

The attached Licensee Event Report is being submitted in accordance with Technical Specification 6.9.2 to provide 30-day notification of the subject occurrence.

Very truly yours,

A. D. Schmidt
A. D. Schmidt
Vice President
Power Resources

MAS/cpc

Attachment

cc: Robert Lowenstein, Esquire
Director, Office of Inspection and Enforcement (30)
Director, Office of Management Information and
Program Control (3)

RECEIVED... JUN 24 1977

1977 JUN 23 PM 12 28

RECEIVED DOCUMENT
PROCESSING UNIT

LICENSEE EVENT REPORT

CONTROL BLOCK:

--	--	--	--	--	--

[PLEASE PRINT ALL REQUIRED INFORMATION]

LICENSEE NAME:

01	F	L	T	P	S	4
----	---	---	---	---	---	---

 LICENSE NUMBER:

0	0	-	0	0	0	0	-	0	0
---	---	---	---	---	---	---	---	---	---

 LICENSE TYPE:

4	1	1	1	1
---	---	---	---	---

 EVENT TYPE:

0	3
---	---

CATEGORY:

01	CONT
----	------

 REPORT TYPE:

L

 REPORT SOURCE:

L

 DOCKET NUMBER:

0	5	0	-	0	2	5	1
---	---	---	---	---	---	---	---

 EVENT DATE:

0	4	1	5	7	7
---	---	---	---	---	---

 REPORT DATE:

0	5	1	3	7	7
---	---	---	---	---	---

EVENT DESCRIPTION

02

 When both Unit 3 and Unit 4 are operating, Technical Specification 3.6.c.2 requires at

03

 least three operable boric acid transfer (BAT) pumps. For approximately 18 hours

04

 during the period from 9:30 p.m. on April 15 to 2:30 p.m. on April 17, only two BAT

05

 pumps were operable. Technical Specification 3.6.d.2 permits one of the three required

06

 BAT pumps to be inoperable for up to 24 hours before shutdown of one unit is required.

SYSTEM CODE:

P	C
---	---

 CAUSE CODE:

E

 COMPONENT CODE:

P	U	M	P	X	X
---	---	---	---	---	---

 FRAME COMPONENT SUPPLIER:

N

 COMPONENT MANUFACTURER:

C	3	0	0
---	---	---	---

 VIOLATION:

N

CAUSE DESCRIPTION

08

 The operating history of the type pump currently installed shows a high incidence of

09

 failure. The failures have been attributed to two factors: (1) overheating due to

10

 thermal insulation of the pump motor, and (2) thrust imbalance caused by an external

FACILITY STATUS:

E

 % POWER:

1	0	0
---	---	---

 OTHER STATUS:

NA

 METHOD OF DISCOVERY:

a

 DISCOVERY DESCRIPTION:

NA-

FORM OF ACTIVITY RELEASED:

Z

 CONTENT OF RELEASE:

Z

 AMOUNT OF ACTIVITY:

NA

 LOCATION OF RELEASE:

NA

PERSONNEL EXPOSURES

NUMBER:

0	0	0
---	---	---

 TYPE:

Z

 DESCRIPTION:

NA

PERSONNEL INJURIES

NUMBER:

0	0	0
---	---	---

 DESCRIPTION:

NA

PROBABLE CONSEQUENCES

15

NA

LOSS OR DAMAGE TO FACILITY

TYPE:

Z

 DESCRIPTION:

NA

PUBLICITY

17

NA

ADDITIONAL FACTORS

18

 See Page 2 for continuation of Event Description and Cause Description.

19

NAME: M. A. Schoppman PHONE: (305)552-3802

REPORTABLE OCCURRENCE 251-77-2
LICENSEE EVENT REPORT
PAGE TWO

EVENT DESCRIPTION (Continued)

The sequence of events was as follows:

- (1) At 9:30 p.m., 4/15/77, the 4A and 4B BAT pumps failed to start for normal makeup. Concentrated boric acid supply was available to Unit 4 via the 3A and 3B BAT pumps.
- (2) At 3:30 a.m., 4/16/77, the 4A BAT pump was test run satisfactorily after preliminary investigation and returned to operable status. The 4B BAT was isolated for major maintenance.
- (3) At 2:30 a.m., 4/17/77, the 4A BAT pump tripped on thermal overload and was declared inoperable.
- (4) The 4B BAT pump was rebuilt and returned to operable status at 2:30 p.m., 4/17/77.

CAUSE DESCRIPTION (Continued)

equalizing line (used for pump thrust balance) becoming blocked by boric acid crystals. A design change for installation of a different type pump is currently under review.

