

09/04/78

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)
DISTRIBUTION FOR INCOMING MATERIAL

50-335

REC: OREILLY J P
NRC

ORG: SCHMIDT A D
FL PWR & LIGHT

DOCDATE: 08/25/78
DATE RCVD: 09/05/78

DOCTYPE: LETTER NOTARIZED: NO
SUBJECT:

COPIES RECEIVED
LTR 1 ENCL 1

FORWARDING LICENSEE EVENT REPT (RO 50-335/78-029) ON 07/28/78 CONCERNING
NOTIFICATION BY APPLICANT'S VENDOR OF POTENTIAL PROBLEM WITH CERTAIN MOTOR
OPERATED VALVES...W/ATT.

PLANT NAME: ST LUCIE #1

REVIEWER INITIAL: XJM
DISTRIBUTOR INITIAL: *my*

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

INCIDENT REPORTS
(DISTRIBUTION CODE A002)

FOR ACTION: BR CHIEF ~~ORB#4~~ EC**W/4 ENCL

INTERNAL: RES FILE**W/ENCL
I & E**W/2 ENCL
I & C SYSTEMS BR**W/ENCL
NOVAK/CHECK**W/ENCL
AD FOR ENG**W/ENCL
HANAUER**W/ENCL
AD FOR SYS & PROJ**W/ENCL
ENGINEERING BR**W/ENCL
KREGER/J. COLLINS**W/ENCL
K SEYFRIT/IE**W/ENCL

NRC PDR**W/ENCL
MIPC**W/3 ENCL
EMERGENCY PLAN BR**W/ENCL
EEB**W/ENCL
PLANT SYSTEMS BR**W/ENCL
AD FOR PLANT SYSTEMS**W/ENCL
REACTOR SAFETY BR**W/ENCL
VOLLMER/BUNCH**W/ENCL
POWER SYS BR**W/ENCL

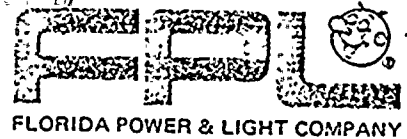
EXTERNAL: LPDR'S
FT PIERCE, FL**W/ENCL
NSIC**W/ENCL
ACRS CAT B**W/16 ENCL

DISTRIBUTION: LTR 44 ENCL 44
SIZE: 1P+1P+1P

CONTROL NBR: 782480133

Ad 4 60

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



August 25, 1978

PRN-LF-78-287

SEP 5 10 9 55
RECEIVED
NUCLEAR
SERVICES UNIT

Mr. James P. O'Reilly, 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. O'Reilly:

REPORTABLE OCCURRENCE 335-78-29
ST. LUCIE UNIT 1
DATE OF OCCURRENCE: JULY 28, 1978

TECHNICAL SPECIFICATION 6.9.1.9.C

MOTOR OPERATED VALVES

The attached Licensee Event Report is being submitted in accordance with Technical Specification 6.9 to provide 30-day notification of the subject occurrence.

Very truly yours,

JRB
for A.D. Schmidt
Vice President
Power Resources

MAS/sn

Attachment

cc: Harold F. Reis, Esquire
Director, Office of Inspection and Enforcement (30)
Director, Office of Management Information and
Program Control (3)

782480133

PEOPLE...SERVING PEOPLE

*A002
5/1*

CONTROL BLOCK: 1 1 1 1 1 1 ① (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

011 1 5 1 5 1 3 4 1 1 1 1 4 1 5
LICENSEE CODE 14 LICENSE NUMBER 25 LICENSE TYPE 30 CAT 34 5

CON'T
011 REPORT SOURCE [X] 6 01 51 01 01 31 31 51 7 01 7 21 81 71 81 3 01 81 21 51 71 81 9
50 61 SOCKET NUMBER 68 69 EVENT DATE 74 75 REPORT DATE 80

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES 10
012 Our NSSS vendor notified us that we had a potential problem.
013 with certain motor operated valves (MOVs). All suspect
014 safety-related MOVs outside containment were inspected and,
015 if necessary, repaired. All suspect safety-related MOVs
016 inside containment will be inspected and, if necessary,
017 repaired at the first shutdown of sufficient length, but no
018 later than the next refueling.

019
SYSTEM CODE 9 CAUSE CODE 11 CAUSE SUBCODE 12 COMPONENT CODE 13 COMP. SUBCODE 14 VALVE SUBCODE 15
[S] [H] 11 [B] 12 [B] 13 [V] [A] [L] [V] [O] [P] 14 [A] 15 [Z] 16
9 10 11 12 13 14 15 16

17 LEAD REPORT NUMBER 18 EVENT YEAR 19 SEQUENTIAL REPORT NO. 20 OCCURRENCE CODE 21 REPORT TYPE 22 REVISION NO.
[7] [8] 18 [0] [2] [9] 19 [0] [3] 20 [L] 21 [0] 22
23 24 25 26 27 28 29 30 31 32

ACTION TAKEN 33 FUTURE ACTION 34 EFFECT ON PLANT 35 SHUTDOWN METHOD 36 HOURS 37 ATTACHMENT SUBMITTED 38 NRC-4 FORM SUB. 39 PRIME COMP. SUPPLIER 40 COMPONENT MANUFACTURER
[B] 18 [B] 19 [Z] 20 [Z] 21 [0] [0] [0] [0] 22 [Y] 23 [N] 24 [N] 25 [L] [2] [0] [0] 26
33 34 35 36 37 38 39 40 41 42 43 44 45 46 47

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS 27
110 Some of these motor operators have been assembled with the
111 locking nut "staked" improperly. Installed valves with
112 improperly staked locking nuts have been or will be staked
113 correctly.

114

115 FACILITY STATUS 16 POWER 17 OTHER STATUS 20 METHOD OF DISCOVERY 21 DISCOVERY DESCRIPTION 22
[E] 23 [1] [0] [0] 24 [NA] 25 [D] 26 [Notified by NSSS vendor] 27
28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47

116 ACTIVITY CONTENT 18 RELEASED OF RELEASE 19 AMOUNT OF ACTIVITY 20 LOCATION OF RELEASE 21
[Z] 22 [Z] 23 [NA] 24 [NA] 25 [NA] 26
27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47

117 PERSONNEL EXPOSURES 10 NUMBER 11 TYPE 12 DESCRIPTION 13
[0] [0] [0] 14 [7] 15 [NA] 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

118 PERSONNEL INJURIES 10 NUMBER 11 TYPE 12 DESCRIPTION 13
[0] [0] [0] 14 [NA] 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

119 LOSS OF OR DAMAGE TO FACILITY 10 TYPE 11 DESCRIPTION 12
[Z] 13 [NA] 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

120 PUBLICITY 10 ISSUED 11 DESCRIPTION 12
[N] 13 [NA] 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

NAME OF PREPARER M.A. SCHOPPMAN
240000 305-552-3802

ADDITIONAL EVENT DESCRIPTION and PROBABLE CONSEQUENCES

Our NSSS vendor notified us that another plant had experienced a motor operated valve (MOV) failure and that we had some safety-related MOV's with a potential for the same failure. After investigation, other suspect MOV's were identified in safety-related systems not supplied by the NSSS vendor. All suspect safety-related MOV's outside containment were inspected and repaired if necessary. All suspect safety-related MOV's inside containment will be inspected and, if necessary, repaired at the first shutdown of sufficient length, but no later than the next refueling (now scheduled for April, 1979). It should be noted that of the 10 such operators inside containment, 4 are locked open and de-energized during power operation (per Technical Specifications), 4 are locked closed and never opened during power operation and two (normally open and not cycled) have no safety-related function at power. Although we have had no failures during 3 years of testing and operations, there is a potential for failure so this report is being made in accordance with Specification 6.9.1.C.

ADDITIONAL CAUSE DESCRIPTION and CORRECTIVE ACTIONS

Some of these motor-operators have been assembled by valve vendors with the operator locking nut "staked" improperly. The locking nut keeps the stem nut, which connects the motor drive sleeve to the valve stem, from moving axially. Such movement could disengage the stem nut from the valve stem and drive sleeve, thus rendering the valve inoperable. Installed valves with improperly staked locking nuts have been or will be staked correctly as noted in the Event Description.

