

# ACCELERATED DISTRIBUTION DEMONSTRATION SYSTEM

## REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR:9006260127 DOC.DATE: 90/06/15 NOTARIZED: NO DOCKET #  
 FACIL:50-250 Turkey Point Plant, Unit 3, Florida Power and Light c 05000250  
 AUTH.NAME AUTHOR AFFILIATION  
 POWELL,D.R. Florida Power & Light Co.  
 HARRIS,K.N. Florida Power & Light Co.  
 RECIP.NAME RECIPIENT AFFILIATION

SUBJECT: LER 90-010-00:on 900518,Tech Spec violation due to entering  
 Mode 3 w/o having at least one channel of RVLMS in-service.  
 W/9 ltr.

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10 CFR 50.73

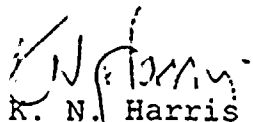
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Gentlemen:

Re: Turkey Point Units 3  
Docket No. 50-250  
Reportable Event: 90-010  
Date of Event: May 18, 1990  
Technical Specification Violation Due To Entering Mode 3  
Without Having At Least One Channel Of The Reactor Vessel  
Level Monitoring System In-Service

The attached Licensee Event Report is being provided pursuant to the requirements of 10 CFR 50.73 for notification of the subject event.

Very truly yours,

  
K. N. Harris

Vice President  
Turkey Point Plant Nuclear

KNH/DRP/MKA/mka

cc: Stewart D. Ebnetter, Regional Administrator, Region II, USNRC  
Senior Resident Inspector, USNRC, Turkey Point Plant

2006260127 200615  
PDR ADOCK 05000250  
PDC  
3



## LICENSEE EVENT REPORT (LER)

|  |     |   |                |                   |                 |                   |     |                |                               |                                       |   |   |   |                   |   |                |   |           |   |              |   |                     |   |                               |  |       |  |     |  |      |  |   |  |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |  |
|--|-----|---|----------------|-------------------|-----------------|-------------------|-----|----------------|-------------------------------|---------------------------------------|---|---|---|-------------------|---|----------------|---|-----------|---|--------------|---|---------------------|---|-------------------------------|--|-------|--|-----|--|------|--|---|--|--|--|--|--|--|--|--|--|----------|--|--|--|--|--|--|--|--|--|
| FACILITY NAME (1)<br>Turkey Point Unit 3   |     |   |                |                   |                 |                   |     |                |                               | DOCKET NUMBER (2)<br>0150100250101013 |   |   |   |                   |   |                |   |           |   | PAGE 3       |   |                     |   |                               |  |       |  |     |  |      |  |   |  |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |  |
| TITLE (4)<br>Technical Specification Violation Due to Entering Mode 3 Without Having At Least One Channel Of The Reactor Vessel Level Monitoring System In-Service |     |   |                |                   |                 |                   |     |                |                               |                                       |   |   |   |                   |   |                |   |           |   |              |   |                     |   |                               |  |       |  |     |  |      |  |   |  |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |  |
| EVENT DATE (5)   |     |   | LER NUMBER (6) |                   |                 | REPORT DATE (7)   |     |                | OTHER FACILITIES INVOLVED (8) |                                       |   |   |   |                   |   |                |   |           |   |              |   |                     |   |                               |  |       |  |     |  |      |  |   |  |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |  |
| MONTH  | DAY | YEAR  | YEAR           | SEQUENTIAL NUMBER | REVISION NUMBER | MONTH             | DAY | YEAR           | FACILITY NAMES                |                                       |   |   |   | DOCKET NUMBER(S)  |   |                |   |           |   |              |   |                     |   |                               |  |       |  |     |  |      |  |   |  |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |  |
| 0  | 5   | 1   | 8              | 9                 | 0               | 9                 | 0   | 0              | 1                             | 0                                     | 0 | 0   | 6 | 1                 | 5 | 9              | 0 | 0         | 5 | 0            | 1 | 0                   | 1 | 1                             |  |       |  |     |  |      |  |   |  |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |  |
| OPERATING MODE (9)   |     | THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 2. Check one or more of the following: (11) |                |                   |                 |                   |     |                |                               |                                       |   |   |   |                   |   |                |   |           |   |              |   |                     |   |                               |  |       |  |     |  |      |  |   |  |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |  |
| 3  |     | 20.402(b)   |                |                   |                 |                   |     |                |                               |                                       |   | 20.406(c)                                 |   |                   |   |                |   |           |   |              |   | 50.73(a)(2)(iv)     |   |                               |  |       |  |     |  |      |  | 73.71(b)  |  |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |  |
| POWER LEVEL (10)   |     | 0,0,0   |                |                   |                 |                   |     |                |                               |                                       |   | 20.406(a)(1)(i)                           |   |                   |   |                |   |           |   |              |   | 50.38(c)(1)         |   |                               |  |       |  |     |  |      |  | 50.73(a)(2)(v)  |  |  |  |  |  |  |  |  |  | 73.71(c) |  |  |  |  |  |  |  |  |  |
|  |     | 20.406(a)(1)(ii)  |                |                   |                 |                   |     |                |                               |                                       |   | 50.38(c)(2)                               |   |                   |   |                |   |           |   |              |   | 50.73(a)(2)(vi)     |   |                               |  |       |  |     |  |      |  | OTHER (Specify in Abstract below and in Text NRC Form 366A) |  |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |  |
|  |     | 20.406(a)(1)(iii)   |                |                   |                 |                   |     |                |                               |                                       |   | X 50.73(a)(2)(i)                          |   |                   |   |                |   |           |   |              |   | 50.73(a)(2)(vii)(A) |   |                               |  |       |  |     |  |      |  |   |  |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |  |
|  |     | 20.406(a)(1)(iv)  |                |                   |                 |                   |     |                |                               |                                       |   | 50.73(a)(2)(ii)                           |   |                   |   |                |   |           |   |              |   | 50.73(a)(2)(vii)(B) |   |                               |  |       |  |     |  |      |  |   |  |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |  |
|  |     | 20.406(a)(1)(v)   |                |                   |                 |                   |     |                |                               |                                       |   | 50.73(a)(2)(iii)                          |   |                   |   |                |   |           |   |              |   | 50.73(a)(2)(ix)     |   |                               |  |       |  |     |  |      |  |   |  |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |  |
| LICENSEE CONTACT FOR THIS LER (12)   |     |   |                |                   |                 |                   |     |                |                               |                                       |   |   |   |                   |   |                |   |           |   |              |   |                     |   |                               |  |       |  |     |  |      |  |   |  |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |  |
| NAME<br>David R. Powell, Licensing Superintendent  |     |   |                |                   |                 |                   |     |                |                               |                                       |   | TELEPHONE NUMBER<br>3 0,512, 4,6 - 6,55,9 |   |                   |   |                |   |           |   |              |   |                     |   |                               |  |       |  |     |  |      |  |   |  |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |  |
| COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)   |     |   |                |                   |                 |                   |     |                |                               |                                       |   |   |   |                   |   |                |   |           |   |              |   |                     |   |                               |  |       |  |     |  |      |  |   |  |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |  |
| CAUSE (SYSTEM)   |     | COMPONENT   |                | MANUFAC TURE      |                 | REPORTABLE TO NRC |     | CAUSE (SYSTEM) |                               | COMPONENT                             |   | MANUFAC TURE                              |   | REPORTABLE TO NRC |   | CAUSE (SYSTEM) |   | COMPONENT |   | MANUFAC TURE |   | REPORTABLE TO NRC   |   |                               |  |       |  |     |  |      |  |   |  |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |  |
|  |     |   |                |                   |                 |                   |     |                |                               |                                       |   |   |   |                   |   |                |   |           |   |              |   |                     |   |                               |  |       |  |     |  |      |  |   |  |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |  |
|  |     |   |                |                   |                 |                   |     |                |                               |                                       |   |   |   |                   |   |                |   |           |   |              |   |                     |   |                               |  |       |  |     |  |      |  |   |  |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |  |
| SUPPLEMENTAL REPORT EXPECTED (14)  |     |   |                |                   |                 |                   |     |                |                               |                                       |   |   |   |                   |   |                |   |           |   |              |   |                     |   |                               |  |       |  |     |  |      |  |   |  |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |  |
| YES (If yes, complete EXPECTED SUBMISSION DATE)  |     |   |                |                   |                 |                   |     |                |                               |                                       |   | X NO                                      |   |                   |   |                |   |           |   |              |   |                     |   | EXPECTED SUBMISSION DATE (15) |  | MONTH |  | DAY |  | YEAR |  |   |  |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |  |
|  |     |   |                |                   |                 |                   |     |                |                               |                                       |   |   |   |                   |   |                |   |           |   |              |   |                     |   |                               |  |       |  |     |  |      |  |   |  |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |  |

ABSTRACT (Limit to 1400 spaces; i.e., approximately fifteen single space typewritten lines) (16)

On May 18, 1990, at 1915 EDT, contrary to the requirements of Technical Specification (TS) 3.0.4, Unit 3 entered Mode 3 without having at least one channel of the reactor vessel level monitoring system (RVLMS) in service as required by TS table 3.5-5 item 15. Furthermore, the 48 hour Limiting Condition for Operation (LCO) associated with TS table 3.5-5, action item 9 was exceeded on May 19, at 1751 EDT. RVLMS is part of the Qualified Safety Parameter Display System (QSPDS). This condition was not discovered until May 21, 1990 at 1120 EDT. Channels A and B were taken out of service to troubleshoot open lines discovered on channel A during performance of procedure 3-GMI-041.2, "ICCS MI Cable Reconnecting." A clearance order was used to open power supply breakers feeding the channels' thermocouples heaters. The cause of this event was non-cognitive personnel error by a plant licensed operator. The operator reviewed only the index section of the clearance order book prior to the unit entering Mode 3. Upon discovery, the HJTC breakers were closed. Procedures 3/4-GOP-503 and 3/4-GOP-301 will be revised to require a thorough review of the clearance order book prior to Mode changes.

## LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED OMB NO. 3150-0104

EXPIRES: 8/31/85

FACILITY NAME (1)

DOCKET NUMBER (2)

LER NUMBER (3)

PAGE (3)

Turkey Point Unit 3

0 15 0 0 0 0 2 5 : 0 9 0 - 0 1 0 - 0 0 0 2 OF 0 3

TEXT (If more space is required, use additional NRC Form 288a (1) (7))

I DESCRIPTION OF EVENT

On May 18, 1990, at 1915 EDT, contrary to the requirements of Technical Specification (TS) 3.0.4, Unit 3 entered Mode 3 without having at least one channel of the reactor vessel level monitoring system (RVLMS) (EIIIS:IG) in service as required by TS table 3.5-5 item 15. Furthermore, the 48 hour Limiting Condition for Operation (LCO) associated with TS table 3.5-5, action item 9 was exceeded on May 19, at 1751 EDT. This condition was not discovered until May 21, 1990 at 1120 EDT. The Instrumentation and Control (I&C) Group discovered the four power supply breakers to the Reactor Vessel Level Monitoring System (RVLMS) Heated Junction Thermocouples (HJTC) open. With the breakers in this position, the heaters for Unit 3's thermocouples were de-energized. Because of this, RVLMS channels A and B were considered inoperable.

On May 17, 1990, at 1751 EDT, a clearance was issued on the four breakers which supply power to the heated junction thermocouple (HJTC) heaters for channels A and B of the Quality Safety Parameter Display System (QSPDS). Channels A and B were taken out of service to troubleshoot open lines discovered on channel A during performance of procedure 3-GMI-041.2, "ICCS MI Cable Reconnecting," section 6.7.3.1. Two of the eight sensors for channel A were found open. The Equipment Out Of Service (EOOS) logbook was updated to reflect this condition.

On May 18, 1990, in preparation for the upcoming mode change (mode 5 to mode 4), the Plant Supervisor Nuclear (PSN) instructed the reactor control operator (RCO) to review the clearance order book to determine if any equipment required for entry into Mode 4 was out of service. The operator reviewed only the index section of the clearance order book. In addition to this, a review of the EOOS logbook was conducted by the PSN. Both logbooks indicated no equipment was out of service required for entry into Mode 4. At 0415, channels A and B were declared back in service by the PSN based on this log review and a visual channel check of the QSPDS display for the heated and unheated thermocouples. Unit 3 at 0535, entered Mode 4. At 1535, the requirements associated with entry into Mode 3 were found to be met. Unit 3 entered Mode 3 at 1915.

II CAUSE OF EVENT

The cause of this event was non-cognitive personnel error in that a plant licensed operator failed to perform a comprehensive review of the clearance order book. After being instructed to review the clearance order book, the Unit 3 peak shift RCO proceeded to review the index section of the book only. This section contained no clearance orders written against either channel of the QSPDS. Based on this, the RCO notified the APSN who informed the PSN that no clearances existed which would hold up a Mode 4 entry.

Several factors that contributed to the event are shown below:

- 1) Procedure 3-GOP-503 used to transition from modes 5 to 3 did not have steps requiring the clearance order book to be checked.

