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 PLUNKETT, T.F. Florida Power & Light Co.
 RECIP. NAME RECIPIENT AFFILIATION
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SUBJECT: Special rept: on 930116, actuation of overpressure mitigating sys occurred due to increase in RCS pressure. Caused by delay in stopping charging pump during pressurizer bubble collapse. Procedures revised & evaluation performed.

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10 CFR 50.36

Stewart D. Ebnetter
Regional Administrator, Region II
U.S. Nuclear Regulatory Commission
101 Marietta St., N.W., Suite 2900
Atlanta, GA 30323

Dear Mr. Ebnetter:

Re: Turkey Point Unit 3
Docket No. 50-250
Special Report - Overpressure
Mitigating Systems - PORV Actuation

In accordance with Technical Specification 6.9.2, the attached Special Report is provided for your information.

Should there be any questions on this information, please contact us.

Very truly yours,

T. F. Plunkett
Vice President
Turkey Point Nuclear

Attachment

TFP/OIH

cc: Document Control Desk, USNRC, Washington, D.C.
R. C. Butcher, Senior Resident Inspector, USNRC, Turkey Point
Plant

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SPECIAL REPORT

Purpose:

This Special Report is submitted in accordance with the requirements of Technical Specification (T.S.) 3.4.9.3, Action b.3, which requires the submission of a Special Report pursuant to T.S. 6.9.2 in the event either the Power Operated Relief Valves (PORVs) or a 2.20 square inch vent is used to mitigate a Reactor Coolant System (RCS) pressure transient.

Event and Action Taken:

On January 16, 1993 at 4:10 p.m., with Turkey Point Unit 3 in Mode 4 and Reactor Coolant System (RCS) pressure at 330 psig, RCS average temperature at 306°F, and the Overpressure Mitigation System (OMS) operational, collapsing of the pressurizer bubble was commenced in accordance with Procedure 3-OP-41.2, "Pressurizer Operation". At 4:45 p.m., actuation of the Overpressure Mitigating System (OMS) occurred due to an increase in RCS pressure. The OMS system operated as designed, with PORV PCV-3-456 lifting at 415 psig. The PORV lifted momentarily and properly reseated. The second charging pump was immediately secured and RCS pressure was stabilized at 310 psig.

Root Cause:

A delay in stopping the charging pump during pressurizer bubble collapse caused the RCS pressure increase and the subsequent actuation of the OMS.

Corrective Actions:

The corrective actions include:

1. Procedures, 3/4 OP 041.2, "Pressurizer Operation", 3/4 GOP 305, "Hot Standby to Cold Shutdown", and 3/4 GOP 503, "Cold Shutdown to Hot Standby", will be revised to include:
 - a. Provide more specific guidance during evolutions while the RCS is in a water solid condition. This action will be completed by February 22, 1993.
 - b. Require maintaining RCS pressure between 325 psig and 350 psig (using the highest indicated pressure), during evolutions where the RCS is in a water solid condition. This action will be completed by February 22, 1993.

- c. Require having a dedicated operator responsible for the evolution. The operator will be briefed by the unit Assistant Nuclear Plant Supervisor to ensure the operator understands his task. This action will be completed by February 22, 1993.
 - d. Add a pressurizer level correction curve. This action will be completed by February 22, 1993.
- 2. Operators will receive classroom training on the revised procedures and simulator training on evolutions with the RCS in a water solid condition. This action will be completed by April 15, 1993.
- 3. An evaluation will be performed to determine if a change in the OMS alarm annunciator setpoint is necessary to allow more time for the operator to respond to an increase in RCS pressure during evolutions with the RCS in a water solid condition. The existing alarm annunciator setpoint is 400 psig, and the PORV lift setpoint is 415 psig.



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