



UNITED STATES  
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20555-0001

October 28, 1999

Mr. T. F. Plunkett  
President - Nuclear Division  
Florida Power and Light Company  
P.O. Box 14000  
Juno Beach, Florida 33408-0420

SUBJECT: ST. LUCIE, UNIT 1, CLARIFICATION OF SAFETY EVALUATION FOR  
CLOSEOUT OF GENERIC LETTER 95-07, "PRESSURE LOCKING AND  
THERMAL BINDING OF SAFETY-RELATED POWER-OPERATED GATE  
VALVES," (TAC NO. MA6919)

Dear Mr. Plunkett:

On August 17, 1995, the U.S. Nuclear Reactor Commission (NRC) issued Generic Letter (GL) 95-07, "Pressure Locking and Thermal Binding of Safety-Related Power-Operated Gate Valves," and requested that licensees take action to ensure those safety-related power-operated gate valves that are susceptible to pressure locking or thermal binding are capable of performing their safety functions.

In a letter dated February 13, 1996, Florida Power & Light Company submitted its 180-day response to the GL for St. Lucie, Unit 1. The NRC staff reviewed the licensee's submittal and requested additional information in a letter dated June 26, 1996. In a letter dated July 31, 1996, the licensee provided the additional information. The NRC staff performed an inspection to review specific aspects of information summarized in the licensee's response to GL 95-07. This inspection is documented in NRC Inspection Report 50-335, 389/97-11, dated November 10, 1997. The licensee provided additional information in a letter dated May 20, 1999, in response to a staff request.

The NRC staff reviewed the licensee's submittals and found that the licensee adequately addressed the actions requested in GL 95-07 for St. Lucie, Unit 1. In a safety evaluation (SE) dated July 15, 1999, the NRC staff described the licensee's corrective actions to ensure that valves in the scope of GL 95-07 are capable of performing their intended safety functions. In Section 3.2.a of the SE, it stated that the actuators for the shutdown cooling hot leg suction valves, V-3481, V-3651, and V-3652, were scheduled to be modified to increase actuator capability during the fall 1999 refueling outage. On September 8, 1999, the licensee clarified that the modification involved installation of a bypass line across the reactor coolant side of

NRC FILE CENTER COPY

DF01

T.F. Plunkett

- 2 -

each valve seat in lieu of modifying the actuator for each valve. The NRC staff finds that this modification is an effective corrective action that will eliminate the potential for pressure locking in hot leg suction valves V-3481, V-3651, and V-3652, and therefore is acceptable. This completes the staff's effort on TAC No. MA6919.

Sincerely,



William C. Gleaves, Project Manager, Section 2  
Project Directorate II  
Division of Licensing Project Management  
Office of Nuclear Reactor Regulation

Docket Nos. 50-335 and 50-389

cc: See next page

Mr. T. F. Plunkett  
Florida Power and Light Company

**ST. LUCIE PLANT**

cc:

Senior Resident Inspector  
St. Lucie Plant  
U.S. Nuclear Regulatory Commission  
P.O. Box 6090  
Jensen Beach, Florida 34957

Mr. R. G. West  
Plant General Manager  
St. Lucie Nuclear Plant  
6351 South Ocean Drive  
Jensen Beach, Florida 34957

Joe Myers, Director  
Division of Emergency Preparedness  
Department of Community Affairs  
2740 Centerview Drive  
Tallahassee, Florida 32399-2100

E. J. Weinkam  
Licensing Manager  
St. Lucie Nuclear Plant  
6351 South Ocean Drive  
Jensen Beach, Florida 34957

M. S. Ross, Attorney  
Florida Power & Light Company  
P.O. Box 14000  
Juno Beach, FL 33408-0420

Mr. John Gianfrancesco  
Manager, Administrative Support  
and Special Projects  
P.O. Box 14000  
Juno Beach, FL 33408-0420

Mr. Douglas Anderson  
County Administrator  
St. Lucie County  
2300 Virginia Avenue  
Fort Pierce, Florida 34982

Mr. Rajiv S. Kundalkar  
Vice President - Nuclear Engineering  
Florida Power & Light Company  
P.O. Box 14000  
Juno Beach, FL 33408-0420

Mr. William A. Passetti, Chief  
Department of Health  
Bureau of Radiation Control  
2020 Capital Circle, SE, Bin #C21  
Tallahassee, Florida 32399-1741

Mr. J. Kammel  
Radiological Emergency  
Planning Administrator  
Department of Public Safety  
6000 SE. Tower Drive  
Stuart, Florida 34997

J. A. Stall, Site Vice President  
St. Lucie Nuclear Plant  
6351 South Ocean Drive  
Jensen Beach, Florida 34957

October 28, 1999

T.F. Plunkett

- 2 -

each valve seat in lieu of modifying the actuator for each valve. The NRC staff finds that this modification is an effective corrective action that will eliminate the potential for pressure locking in hot leg suction valves V-3481, V-3651, and V-3652, and therefore is acceptable.

Sincerely,

Original signed by:

William C. Gleaves, Project Manager, Section 2  
Project Directorate II  
Division of Licensing Project Management  
Office of Nuclear Reactor Regulation

Docket Nos. 50-335 and 50-389

cc: See next page

**DISTRIBUTION:**

File Center

PUBLIC

St. Lucie R/F

KJabbour (Acting SC)

BClayton

WGleaves

OGC

ACRS

LWert, RII

DOCUMENT NAME: G:\PDII-2\St. Lucie\MA6919g\9507coltr#2.wpd

To receive a copy of this document, indicate in the box: "C" = Copy without attachment/enclosure "E" = Copy with attachment/enclosure "N" = No copy

OFFICE	PDII-2\PM	E	PDII-2\LA	C	PDII-2\SC (A)				
NAME	WGleaves	WCG	BClayton	BAE	KJabbour				
DATE	10/27/99		10/27/99		10/27/99	KNS	10/ /99		10/ /99

OFFICIAL RECORD COPY