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TO:
Mr. George Lear

FROM:
Florida Power & Light Company
Miami, Florida
Robert E. Uhrig

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DESCRIPTION

ENCLOSURE

Consists of info concerning Safety Injection Flow Throttling.....

(2-P)

PLANT NAME: Turkey Point Units 3 & 4.
RJL 10/21/77

SAFETY

FOR ACTION/INFORMATION

BRANCH CHIEF: (7)

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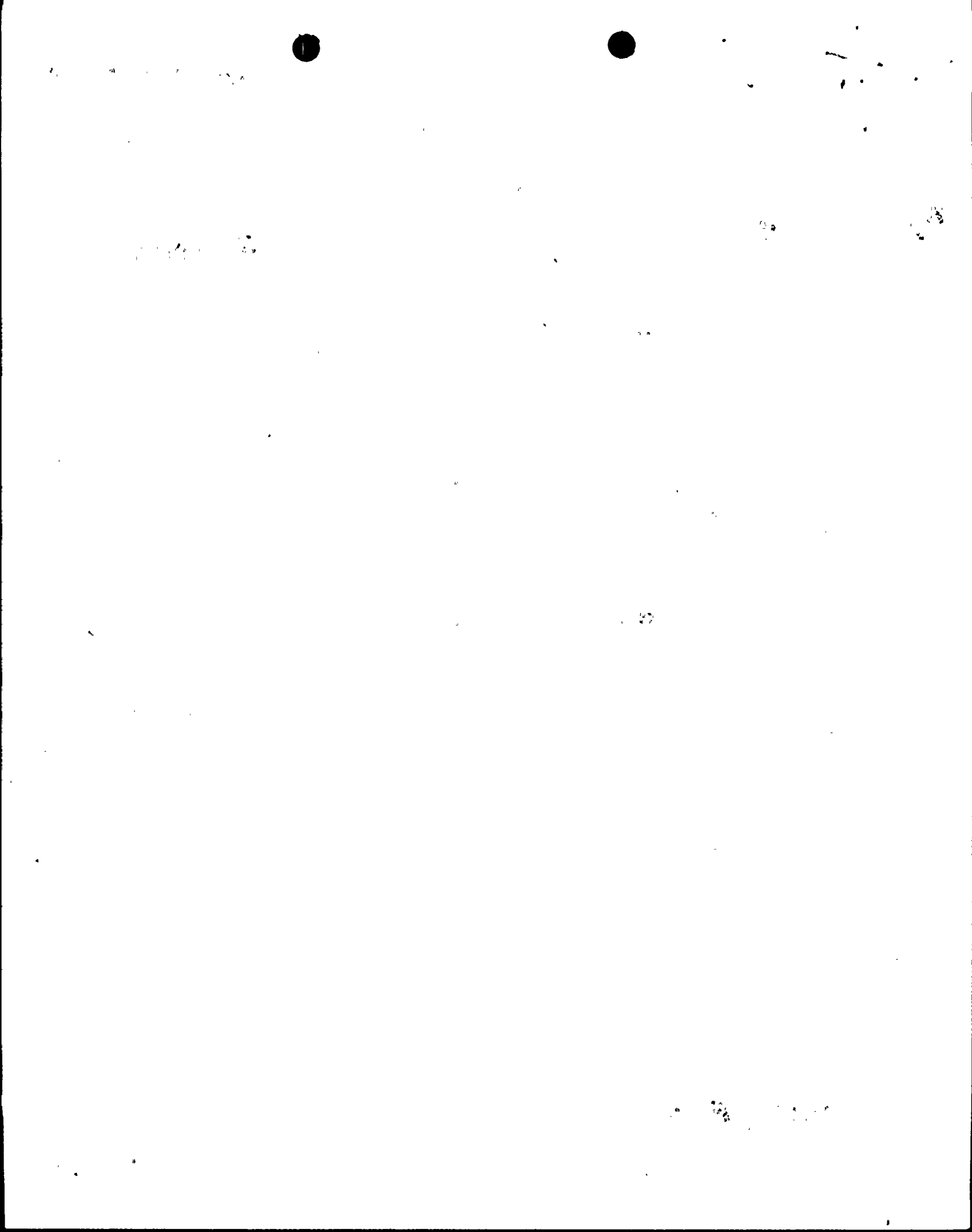
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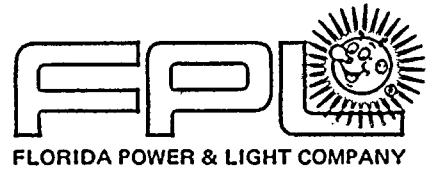
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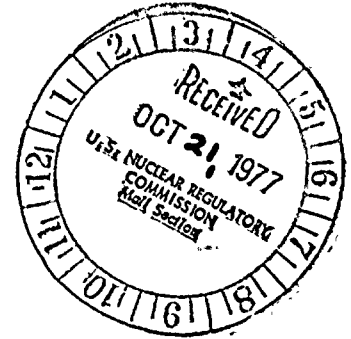
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BOX 013100, MIAMI, FL 33101



October 17, 1977
L-77-323

Office of Nuclear Reactor Regulation
Attention: Mr. George Lear, Chief
Operating Reactors Branch #3
Division of Operating Reactors
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555



Dear Mr. Lear:

Re: Turkey Point Units 3 and 4
Docket Nos. 50-250 and 50-251
Safety Injection Flow Throttling

Your letter of June 30, 1977 requested that we determine if throttle valves are used to obtain the required flow distribution in the Safety Injection (SI) system at Turkey Point. Our letter of September 2, 1977 (L-77-278) indicated that we were reviewing the need for surveillance requirements on such valves and would respond further by October 15, 1977.

We have completed our review and find that there is only one valve (HCV-758) in the SI system that is throttled for the purpose of limiting flow during the post-accident (LOCA) recirculation phase. This valve is in the main discharge header of the Residual Heat Removal (RHR) pumps. After reviewing the Technical Specifications and the "net positive suction head" (NPSH) requirements for our SI system, we have concluded that additional Technical Specifications on valve HCV-758 will not be necessary for the following reasons:

1. Two redundant methods are used to ensure that HCV-758 is throttled to the proper position for post-accident recirculation. First, there is a mechanical stop that prevents the valve from opening past the throttle position. Second, the electrical control circuitry is designed to open the valve to the proper position.
2. The valve is open to the throttle position during normal operation, and, in accordance with existing Technical Specification 3.4.1.a.7, the air supply to the valve is isolated to prevent inadvertently changing the valve position. Thus, the valve can accommodate recirculation without having to change position.

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3. During plant heatup, Operating Procedure 0202.1 ("Reactor Startup, Cold Condition to Hot Shutdown Condition") requires that HCV-758 be verified open against the mechanical stop. Thus, positive measures are already being taken to ensure that HCV-758 is in the proper position should it be needed for containment sump recirculation.

Very truly yours,



 Robert E. Uhrig
Vice President

REU/MAS/cpc

cc: Mr. J. P. O'Reilly, Region II
Robert Lowenstein, Esquire

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