

CATEGORY 1

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SUBJECT: Submits planned refueling outage SG insp activities for Unit 1.

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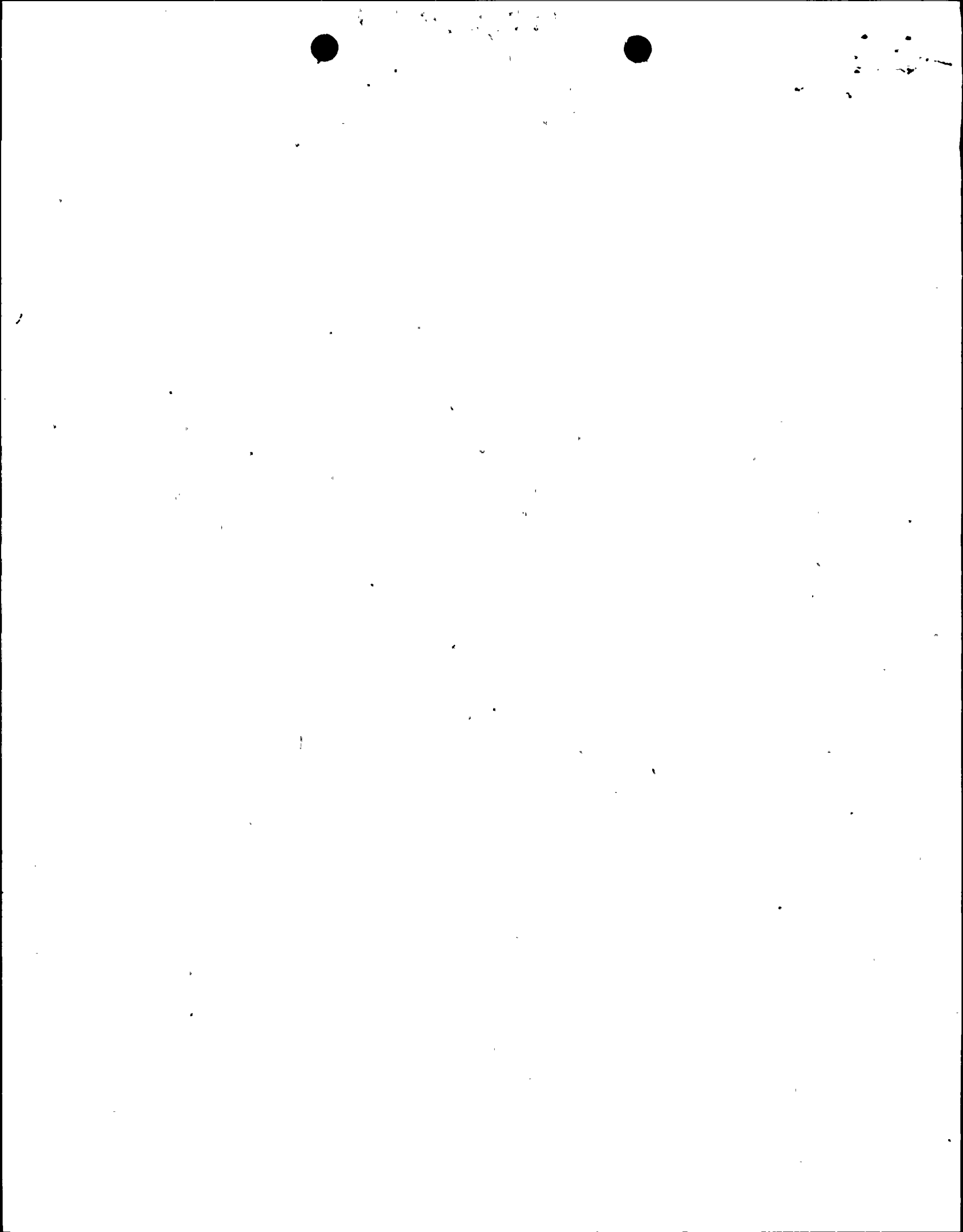
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April 26, 1996

L-96-113
10 CFR 50.36
April 26, 1996

U. S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, DC 20555

Re: St. Lucie Unit 1
Docket No. 50-335
Planned Refueling Outage Steam Generator Inspection Activities

On Monday, April 22, 1996, Florida Power & Light Company (FPL) met with the NRC staff. The purpose of the meeting was to inform the staff of the details of FPL's end-of-cycle 13 (by FPL convention, identified as "SL1-14") steam generator inspection plans for St. Lucie Unit 1. The inspection plans for the St. Lucie Unit 1 steam generators are of particular importance to FPL since the St. Lucie Unit 1 steam generators will be replaced in 1998 (i.e., end-of-cycle 14, or "SL1-15").

At the April 22, 1996, meeting, FPL made specific statements concerning activities to be completed for St. Lucie Unit 1 during the SL1-14 refueling outage. Specifically, FPL stated that:

1. All St. Lucie Unit 1 Westinghouse Alloy 600 hot leg mechanical tube plugs which are due for remedial action according to Westinghouse topical report WCAP-12245 will be repaired by installing a Framatome plug-a-plug (PAP) insert, or replaced with Alloy 690 plugs.
2. FPL will conduct in-situ pressure testing of several of the most significant flaws (axial and circumferential) identified during the SL1-14 inspection. FPL will provide the results of these tests to the NRC within 10 days of the completion of the in-situ pressure testing.
3. FPL will use Electric Power Research Institute (EPRI) Pressurized Water Reactor (PWR) Steam Generator Examination Guidelines, Appendix H-qualified, techniques for detection and sizing indications potentially associated with intergranular attack/stress corrosion cracking (IGA/SCC) at eggcrates, other similarly designed supports, and sludge pile regions. As discussed at the April 22, 1996, FPL/NRC meeting, application of such techniques is consistent with FPL steam generator inspections conducted since 1987.
4. FPL will remove from service all indications which exhibit 40%, or greater, through wall degradation, and all indications which have exhibited significant growth since the last St. Lucie Unit 1 steam generator inspection.

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5. FPL will remove from service all crack-like indications located at drilled support plates. Indications at drilled support plates which are not crack-like will be removed from service if they exhibit 40%, or greater, through wall degradation, or show significant growth since the last St. Lucie Unit 1 steam generator inspection.
6. FPL will remove from service and stabilize all circumferential indications, regardless of location in the steam generators.
7. FPL will revise the St. Lucie Plant operating procedures to incorporate the requirements of EPRI report TR-104788, "PWR Primary-to-Secondary Leak Guidelines," May 1995, prior to startup from the SL1-14 refueling outage.

FPL has gained extensive knowledge of the status of the steam generators at St. Lucie Unit 1 from its ten year history of 100% eddy current testing. This knowledge of steam generator status, coupled with the above commitments, ensure the continued safe performance of the steam generators for St. Lucie Unit 1 cycle 14.

If you have questions on this topic, please contact us.

Very truly yours,


W. H. Bohlke
Vice President
St. Lucie Plant

WHB/EJW

cc: Stewart D. Ebnetter, Regional Administrator, Region II, USNRC, Atlanta, GA
Senior Resident Inspector, USNRC, St. Lucie Plant