



June 15, 2005

L-2005-131
10 CFR 50.4

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

RE: St. Lucie Unit 2
Docket No. 50-389
NEI 97-06 Steam Generator Report

This report is provided in accordance with the industry initiative to implement Nuclear Energy Institute (NEI) 97-06, *Steam Generator Program Guidelines*. Specifically NEI 97-06, Section 3.1.7, Reports to NRC, requires the licensee to submit condition monitoring assessment results, including results of tube pulls and in situ testing, within 120 days after the reactor coolant system reenters hot shutdown conditions. NEI 97-06 requires the report when steam generator inspection results indicate greater than 1% of the inspected tubes in each steam generator exceed the repair criteria.

As a result of the SL2-15 inspections in January 2005, a total of 1635 tubes were plugged (798 in S/G 2A and 837 in S/G 2B). This amount exceeds 1% of the tubes inspected in each steam generator.

Florida Power & Light's (FPL) Condition Monitoring Assessment results demonstrate that all tubes meet the structural integrity and accident induced leakage performance criteria of NEI 97-06 for Cycle 14, which ended in January 2005.

Condition Monitoring work for the January 2005 inspections did not require removal of tubes from the steam generators. Twelve tubes (19 indications) were in situ pressure tested. Nine of the 19 indications tested were below the screening criteria and did not require testing, but were included to ensure the screening process was robust. All tubes passed in situ pressure testing without leakage or burst.

Please contact George Madden at 772-467-7155 if there are any questions about this submittal.

Very truly yours,

A handwritten signature in black ink, appearing to read 'WJ', is written over the closing text.

William Jefferson, Jr.
Vice President
St. Lucie Plant

WJ/GRM

ADD 1