

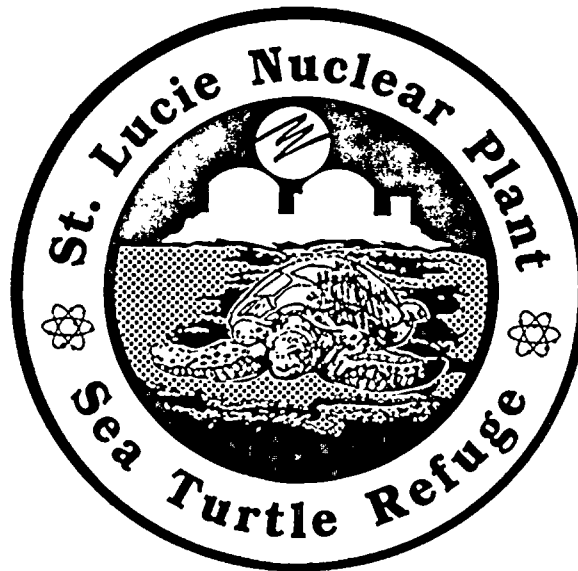
FLORIDA POWER & LIGHT COMPANY

ST. LUCIE UNIT 2

ANNUAL ENVIRONMENTAL OPERATING REPORT (FPL-91)

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VOLUME II



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ANNUAL ENVIRONMENTAL OPERATING REPORT

I. Introduction

The St. Lucie Unit 2 Environmental Protection Plan (EPP) requires the submittal of an annual report for various activities at the plant site including the reporting on sea turtle monitoring programs, and other matters related to Federal and State environmental permits and certifications. This report and Volume I described below fulfill these reporting requirements.

II. Sea Turtle Monitoring and Associated Activities

A report on aquatic and terrestrial sea turtle monitoring programs as described in EPP Sections 4.2.1 (Beach Nesting Surveys), 4.2.3 (Studies to Evaluate and/or Mitigate Intake Canal Mortality) and 4.2.5 (Capture and Release Program) is concurrently submitted in a separate report (AB-617, Vol.1) prepared by Applied Biology, Inc. of Jensen Beach, Florida and Atlanta, Georgia.

Studies to evaluate and/or mitigate intake entrapment required by Section 4.2.2 of the EPP have been previously performed. A final report was submitted to the Office of Nuclear Reactor Regulation on April 18, 1985. With submittal of that report, the EPP requirement was fulfilled and will not be readdressed in this or future reports.

Surveillance and maintenance of the light screen to minimize sea turtle disorientation as required by Section 4.2.4 of the EPP is ongoing. The Australian Pine light screen or other vegetation located on the beach dune between the power plant and the ocean is routinely surveyed to determine its overall vitality. The vegetation line is surveyed for any gaps occurring from mortality, which would result in unacceptable light levels on the beach. Trees, vegetation or shade cloth are replaced as necessary to maintain the overall integrity of the light screen.



•III. Other Routine Reports

The following items for which reporting is required are listed by section number from the plant's Environmental Protection Plan (EPP):

5.4.1(a) EPP NONCOMPLIANCES AND CORRECTIVE ACTIONS TAKEN

No noncompliances under EPP Section 5.4.1(a) were determined to have occurred during 1991.

5.4.1(b) CHANGES IN STATION DESIGN OR OPERATION, TESTS, AND EXPERIMENTS IN ACCORDANCE WITH EPP SUBSECTION 3.1

No plant site activities were determined to be reportable under Section 5.4.1(b) during 1991.

5.4.1(c) NONROUTINE REPORTS SUBMITTED TO THE NRC FOR THE YEAR 1991 IN ACCORDANCE WITH EPP SUBSECTION 5.4.2:

1. Report concerning the occurrence of a West Indian Manatee in the plant's cooling water intake canal; reported to the NRC on February 28, 1991.
2. Report concerning a fishkill in the plant's cooling water intake canal; reported to the NRC on June 6, 1991.
3. Report concerning the mortality of two Least Terns; reported to the NRC on August 12, 1991.



4. Report concerning the occurrence of a West Indian Manatee in the plant's cooling water intake canal; reported to the NRC on September 24, 1991.

5. Report concerning a modification request to EPA authorizing the use of a new cooling water system biofouling control agent; reported to the NRC on November 1, 1991.

