UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

June 11, 1993

MEMORANDUM FOR: Mel Leach, OCM/IS
Gigi Rammling, OCM/JC
Jeanne Shoemaker, OCM/FR
Evelyn S. Williams, OCM/GdeP

FROM: Loren R. Plisco
Region II Coordinator
Office of the Executive Director for Operations

SUBJECT: FLORIDA POWER AND LIGHT COMPANY OFFICIAL VISIT WITH THE CHAIRMAN AND COMMISSIONERS

Enclosed is background information on St. Lucie and Turkey Point for your use in preparing for the visit by Mr. Goldberg of Florida Power and Light Company with the Chairman and Commissioners on June 24, 1993. This information was prepared by the NRR staff. If you have any additional information needs, please contact me (504-1725).

Loren R. Plisco
Region II Coordinator
Office of the Executive Director
for Operations

Enclosure:
As stated

NRR FEE/141

While achieving these fine operating records, St. Lucie has been operated in a safe and conservative manner. It has consistently received favorable NRC systematic assessment of licensee performance (SALP) ratings, a low number of NRC violations and positive INPO evaluation reports. At the end of the last SALP period, St. Lucie received a rating of 1 in all categories. In the most recent INPO evaluation, St. Lucie was rated as a category 1 plant, the highest ranking awarded, for the second consecutive period.

The plant generally enjoys a favorable perception on the part of the local community and media. Over the years, the plant staff has supported many community efforts such as United Way, blood drives, food drives, and the building of off-shore artificial reefs. There are also two county beach parks built on site property leased to St. Lucie County. Last year, the St. Lucie Plant opened its new visitors center called Energy Encounter. The Energy Encounter is open to the public and is specifically targeted at informing schoolchildren about energy in general, nuclear power, and Florida Power and Light Company's contribution to society and the environment.

SALP Ratings

Functional Area	Rating Last Period	Rating This Period
"Plant Operations" (Operations & Fire Protection)	1	1
"Radiological Controls"	1	1
"Maintenance/Surveillance"	2	1
"Emergency Preparedness"	1	1
"Security"	1	1
"Engineering/Technical Support"	1	1
"Safety Assessment/Quality Verification"	1	1

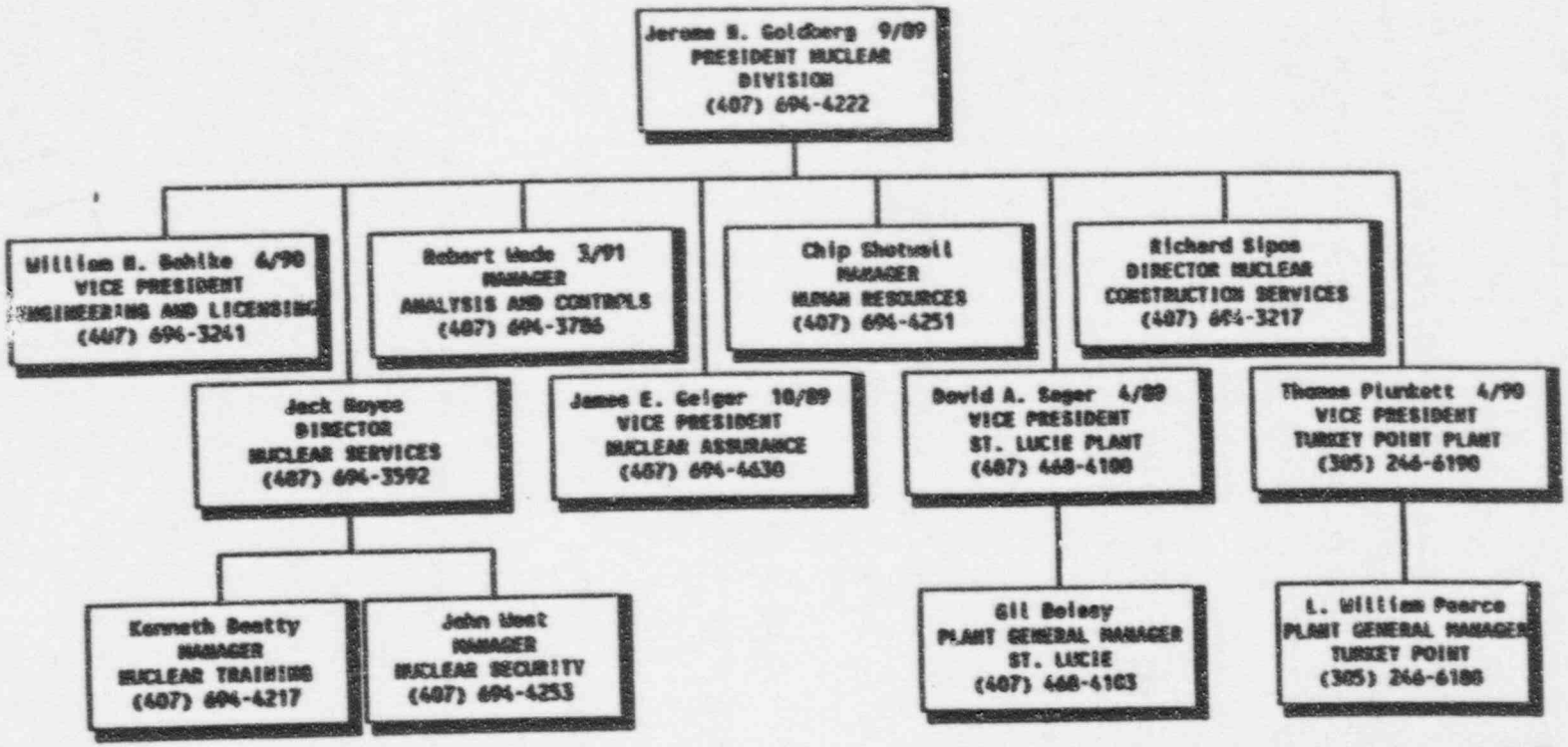
Enforcement History

No escalated enforcement in 1992 or 1993. One level 3 violation in 1991 resulting in a $37,500 civil penalty.

Major Issues

Currently, there are no major enforcement, licensing, or regulatory issues at St. Lucie. The only major technical item facing St. Lucie in the future is replacement of Unit 1 Steam Generators (SGs). Two new SGs were ordered from B&W for delivery in late 1996. Installation is expected during the 1997 refueling outage. Unit 2 SGs will not need to be replaced. One significant licensing issue pertaining to seismic qualification is several years old and still not resolved.

FLORIDA POWER AND LIGHT
MANAGEMENT OVERVIEW



11/92

J. H. GOLDBERG
President, Nuclear Division
Florida Power & Light Company

J. H. Goldberg is President, Nuclear Division at Florida Power & Light Company. In this function, Goldberg oversees the operation of FPL's four nuclear units, two at Turkey Point in south Dade County and two at St. Lucie on Hutchinson Island in St. Lucie County as well as the technical support activities at corporate headquarters in Juno Beach.

Goldberg, a 37-year veteran of the nuclear power industry, began working for FPL in September 1989. Prior to that he worked for Houston Lighting & Power Company (HL&P) as group vice president, nuclear. During his nine years with HL&P, Goldberg was responsible for a number of milestones, including construction and licensing of the South Texas Nuclear Project, the most advanced state of the art nuclear power station in the U.S.

Before joining HL&P, he spent nine years with Stone and Webster Engineering Corp., overseeing the design, construction, operation and maintenance of six nuclear power plants.

Earlier in his career, he worked for Bethlehem Steel Co. and General Dynamics Corp. in a variety of engineering and management functions, all nuclear-related.

Goldberg is a graduate of the U.S. Merchant Marine Academy and holds a master's degree in nuclear engineering from Massachusetts Institute of Technology.

He is a registered professional engineer in Texas, California, Virginia, Massachusetts, Rhode Island, Pennsylvania and New York. Goldberg has been affiliated with many utility/nuclear organizations, including American Nuclear Society (ANS), Institute of Nuclear Power Operations (INPO), Nuclear Utility Management and Resources Council (NUMARC), Edison Electric Institute (EEI), and the U.S Council for Energy Awareness (USCEA).

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~~PRE-DECISIONAL INFORMATION - LIMITED DISTRIBUTION~~

SUBJECT: VISIT BY FLORIDA POWER AND LIGHT COMPANY (FPL) PRESIDENT OF NUCLEAR DIVISION, MR. JEROME H. GOLDBERG WITH THE CHAIRMAN AND COMMISSIONERS ON JUNE 24, 1993

PLANTS: St. Lucie Units 1 and 2, Turkey Point Units 3 and 4

ENCLOSURES: 1. Mr. Goldberg's Biography
2. Corporate Organization Chart also showing plant management

Background Information for St. Lucie

The St. Lucie Nuclear plant is located on an 1100 acre site on Hutchinson Island, which is a natural barrier island. The plant is comprised of two nearly identical units designed by Combustion Engineering. The non-nuclear, or steam plants, were designed by Ebasco Services. The turbine-generators were designed by Westinghouse Corporation and are comprised of one high pressure and two low pressure turbines. Each reactor has two steam generators and is licensed to 2700 megawatts thermal power. Each unit is capable of generating approximately 900 megawatts of electric power. Cooling is provided by seawater, drawn and returned to the Atlantic Ocean.

Unit 1 was placed in commercial operation in December 1976. The reactors are refueled at approximately eighteen month intervals; Unit 1 is currently in its twelfth fuel cycle.

Unit 2 received its construction permit in 1977 and began commercial operation in August 1983. This is three and a half years shorter than the U.S. industry average for nuclear power plants. Both St. Lucie units have proven to be reliable, safe, and well-designed as evidenced by their excellent records.

St. Lucie Unit 1 currently has a lifetime capacity factor of 75%. Over the years, the unit has achieved many world and U.S. records associated with plant availability and capacity factor. In addition to its excellent startup record, St. Lucie Unit 2 also has an outstanding performance record. In 1987-1988, Unit 2 set a new FPL record for continuous operation of 427 days and had the number one capacity factor of any nuclear plant in the world. Unit 2 currently has a lifetime capacity factor of 82%, well above the U.S. industry average. At the end of 1991, Unit 2 was again recognized as the plant with the highest capacity factor in the world. When Unit 2 shut down to refuel on April 20, 1992, the unit had set a new world record for pressurized light water reactors for consecutive days on line. The unit had operated 502 days non-stop before being removed from service for refueling.