

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

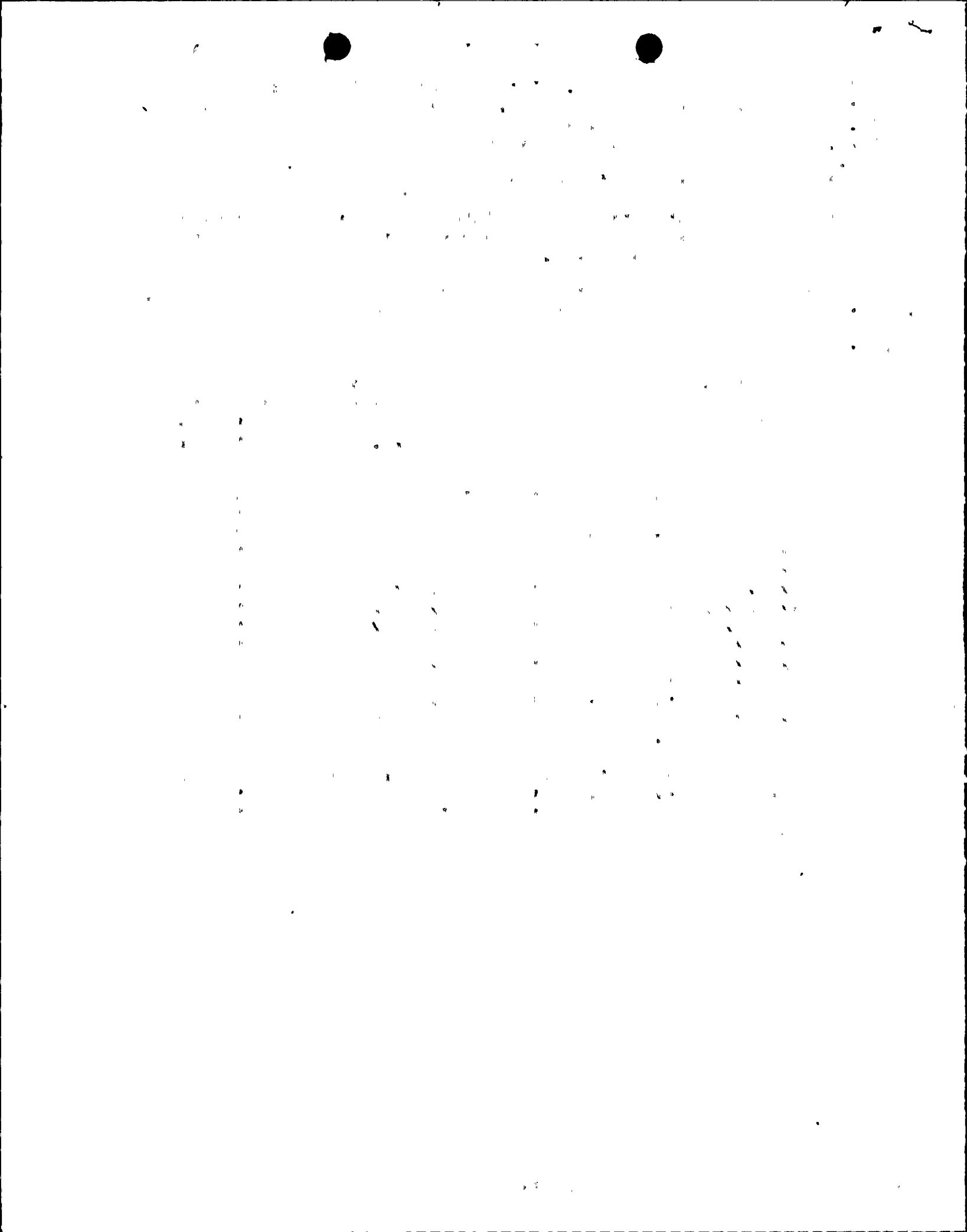
ACCESSION NBR: 8205170331 DOC. DATE: 82/05/12 NOTARIZED: NO DOCKET #
 FACIL: 50-389 St. Lucie Plant, Unit 2, Florida Power & Light Co. 05000389
 AUTH. NAME AUTHOR AFFILIATION
 UHRIG, R.E. Florida Power & Light Co.
 RECIP. NAME RECIPIENT AFFILIATION
 EISENHUT, D.G. Division of Licensing

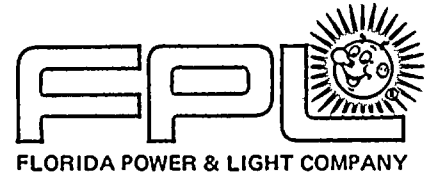
SUBJECT: Forwards cost estimates & related backup info for installing
 turtle barriers on ocean intake velocity caps in response
 to recent FES inquiries.

DISTRIBUTION CODE: B001S COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 2
 TITLE: PSAR/FSAR AMDTS and Related Correspondence

NOTES:

| | RECIPIENT ID CODE/NAME | COPIES LTTR ENCL | RECIPIENT ID CODE/NAME | COPIES LTTR ENCL |
|-----------|---------------------------|---------------------|---------------------------|---------------------|
| | A/D LICENSNG | 1 0 | LIC BR #3 BC | 1 0 |
| | LIC BR #3 LA | 1 0 | NERSES, V. 01 | 1 1 |
| INTERNAL: | ELD | 1 0 | IE FILE | 1 1 |
| | IE/DEP EPDS 35 | 1 1 | IE/DEP/EPLB 36 | 3 3 |
| | MPA | 1 0 | NRR/DE/CEB 11 | 1 1 |
| | NRR/DE/EQB 13 | 3 3 | NRR/DE/GB 28 | 2 2 |
| | NRR/DE/HGEB 30 | 2 2 | NRR/DE/MEB 18 | 1 1 |
| | NRR/DE/MTEB 17 | 1 1 | NRR/DE/QAB 21 | 1 1 |
| | NRR/DE/SAB 24 | 1 1 | NRR/DE/SEB 25 | 1 1 |
| | NRR/DHFS/HFEB40 | 1 1 | NRR/DHFS/LQB 32 | 1 1 |
| | NRR/DHFS/OLB 34 | 1 1 | NRR/DHFS/PTRB20 | 1 1 |
| | NRR/DSI/AEB 26 | 1 1 | NRR/DSI/ASB 27 | 1 1 |
| | NRR/DSI/CPB 10 | 1 1 | NRR/DSI/CSB 09 | 1 1 |
| | NRR/DSI/ETSB 12 | 1 1 | NRR/DSI/ICSB 16 | 1 1 |
| | NRR/DSI/PSB 19 | 1 1 | NRR/DSI/RAB 22 | 1 1 |
| | NRR/DSI/RSB 23 | 1 1 | NRR/DST/LGB 33 | 1 1 |
| | <u>REG FILE</u> -04 | 1 1 | RGN2 | 2 2 |
| EXTERNAL: | ACRS 41 | 10 10 | BNL (AMDTS ONLY) | 1 1 |
| | FEMA-REP DIV 39 | 1 1 | LPDR 03 | 1 1 |
| | NRC PDR -02 | 1 1 | NSIC 05 | 1 1 |
| | NTIS | 1 1 | | |





May 12, 1982
L-82-196

Office of Nuclear Reactor Regulation
Attention: Mr. Darrell G. Eisenhut, Director
Division of Licensing
U.S. Nuclear Regulatory Commission
Washington, D. C. 20555



Dear Mr. Eisenhut:

Re: St. Lucie Unit #2
Docket No. 50-389
Turtle Barrier Cost Estimate

Attached please find cost estimates and related backup information for installing turtle barriers on the ocean intake velocity caps at the St. Lucie Plant. The information is being provided in response to your recent inquiries in connection with the Final Environmental Statement.

We understand that the estimates are required only to provide an order of magnitude indication of the costs associated with installing turtle barriers. Additionally, it has been determined that the most significant cost item will result from plant outages required for installation and maintenance of a barrier system. Therefore, the attached estimates have been developed considering only outage costs and do not include any capital cost for materials, installation and maintenance.

Very truly yours,

Robert E. Uhrig
Vice President
Advanced Systems & Technology

REU/RAK/ga

Attachment

cc: J. P. O'Reilly, Region II
Harold F. Reis, Esquire

Boo!
1/1

8205170331
D



11

11

ST. LUCIE UNIT 2
TURTLE BARRIER COST ESTIMATES

Two cost estimates have been developed for the installation of turtle barriers on the ocean intake velocity caps at the St. Lucie Plant as follows:

- 1) Cost estimate for installing a test turtle barrier panel on one side of any one of the three velocity caps.
- 2) Cost estimate for installing a full set of turtle barriers on each of the three velocity caps.

Due to time restrictions, the cost estimates have been developed considering only the costs associated with plant outages that will be required for the installation and maintenance of the barriers. It has been determined that the items not considered (such as capital costs for materials, installation, maintenance, etc.) would have little effect on the total estimated cost of the barriers.

It should be noted that the cost estimates are extremely sensitive to the basic assumptions and variable parameters used. An attempt has been made to use the most reasonable assumptions and parameters in the development of these cost estimates. Some of the variables that were considered relate to:

- 1) Escalation of replacement power costs over the life of the plant.
- 2) Discount rates used to calculate present values.
- 3) Length and frequencies of plant outages.

Based on the above, the following are the present value estimated costs of the turtle barriers:

- 1) Test barrier panel: \$8,650,000.
- 2) Full set of barriers on each of the three velocity caps: \$62,400,000.

Handwritten scribbles or marks in the top right corner.

