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 FACIL: 50-389 St. Lucie Plant, Unit 2, Florida Power & Light Co.      05000389  
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 RECIP. NAME      RECIPIENT AFFILIATION  
 MIRAGLIA, F.J.      Licensing Branch 3

SUBJECT: Concurs in NRC determination that remaining const. activities  
 & operation of unit will have no effect on listed species  
 under Jurisdiction of Fish & Wildlife Svc.

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Figure 1. The effect of the concentration of the *Agrobacterium* suspension on the transformation efficiency of *Agrobacterium* strains. The *Agrobacterium* strains were grown in the YEA medium for 24 h at 28 °C. The cell concentration of the *Agrobacterium* strains was adjusted to 10<sup>8</sup> cells/ml. The *Agrobacterium* strains were then mixed with the plant cells and cocultured for 48 h. The transformation efficiency was determined by the number of transformants per 10<sup>6</sup> cells. The data were expressed as the mean ± SD of three independent experiments.

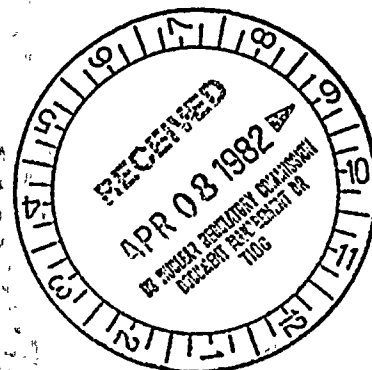


# United States Department of the Interior

FISH AND WILDLIFE SERVICE

15 NORTH LAURA STREET  
JACKSONVILLE, FLORIDA 32202

April 5, 1982



Mr. Frank J. Miraglia, Chief  
Licensing Branch No. 3  
Division of Licensing  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

RE: FWS Log No. 4-1-81-076

Dear Mr. Miraglia:

The Fish and Wildlife Service has reviewed the supplement to the Endangered or Threatened Species Assessment for the St. Lucie Plant, Unit 2, Operating License Stage Review, forwarded to this office on March 24, 1982. This letter augments our letter of January 19, 1982, regarding Section 7 requirements of the Endangered Species Act for the St. Lucie Power Station located on Hutchinson Island, St. Lucie County, Florida.

Under provisions of the staff recommendations contained on pages iii-v of the Assessment, the NRC license would require certain studies by the applicant. In particular, the applicant has agreed to conduct a beach survey and nest relocation program during this season's construction activity and nesting surveys for 5 years thereafter. Additional conditions have been identified to evaluate and minimize entrainment and recovery impacts to marine turtles. We note that a built-in interagency review of the entire program has been planned which will be triggered by the results of proposed entrainment studies. We believe that this is a prudent approach and will serve to maintain program flexibility while requiring progress toward a solution to the entrainment problem.

Based on information contained in the initial and supplemental biological assessments, and provided that the staff recommendations are made a part of the NRC License, the Service concurs in your determination that the remaining construction activities and the operation of both St. Lucie units will have no effect on any listed species under jurisdiction of this agency. However, we request that a report of the nest survey and relocation program be provided to this office and that the Fish and Wildlife Service be afforded an opportunity to participate in the interagency program review meeting.

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This does not constitute a Biological Opinion as described in Section 7 of the Endangered Species Act. However, it does fulfill the requirements of the Act and no further action on your part is required. If modifications are made in the project or if additional facts involving impacts on listed species arise, consultation should be reinitiated.

Sincerely yours,

A handwritten signature in cursive script, appearing to read "Donald J. Hankla".

Donald J. Hankla  
Area Manager

1. The first part of the report is a general description of the project and its objectives. It includes a brief history of the project and a statement of the problem to be solved. The second part is a description of the methods used in the study. This includes a description of the experimental design, the subjects, and the procedures used to collect and analyze the data. The third part is a description of the results of the study. This includes a description of the data and a discussion of the findings. The fourth part is a conclusion and a statement of the implications of the study.

2. The second part of the report is a description of the methods used in the study.

3. The third part of the report is a description of the results of the study.

4. The fourth part of the report is a conclusion and a statement of the implications of the study.

5. The fifth part of the report is a description of the results of the study.