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 FACIL: 50-335 St. Lucie Plant, Unit 1, Florida Power & Light Co.      05000335  
 50-389 St. Lucie Plant, Unit 2, Florida Power & Light Co.      05000389

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 SAGER, D.A.      Florida Power & Light Co.  
 RECIP. NAME      RECIPIENT AFFILIATION  
                          Document Control Branch (Document Control Desk)

SUBJECT: Advises that on 910201, plant personnel notified by Applied Biology, Inc that adult West Indian Manatee observed swimming in condenser cooling water intake canal. Canal surveillance increased. Plans to remove manatee underway.

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U. S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
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Gentlemen:

Re: St. Lucie Units 1 and 2  
Docket Nos. 50-335 and 50-389  
Manatee in St. Lucie Plant Cooling Water Intake Canal

The following event is submitted in accordance with Section 4.1 of the Environmental Protection Plan.

Should you have any questions concerning this event, please contact us.

Very truly yours,

D. A. Sager  
Vice President  
St. Lucie Plant

DAS:JJB:kw

Attachment

cc: Stewart D. Ebnetter, Regional Administrator, Region II, USNRC  
Senior Resident Inspector, USNRC, St. Lucie Plant

DAS/PSL #370

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## EVENT DESCRIPTION

### MANATEE IN PSL COOLING WATER INTAKE CANAL

On February 1, 1991, at approximately 1000 hours, Environmental Affairs personnel were notified by Applied Biology, Inc. personnel, biological consultants working for FPL, that an adult West Indian Manatee had been observed swimming in the plant's condenser cooling water intake canal. The animal appeared to be healthy and was not at immediate risk as a result of being in the canal, nor were any plant operations being impacted by the presence of the animal.

The manatee appears to have entered the intake canal through one of the cooling systems intake pipes which connect the canal to the Atlantic Ocean. While swimming close to the intake pipe area, the animal may have investigated the structure and entered. Several of the concrete panels on the upper portion of the velocity cap structures had previously been damaged and had been removed. The velocity caps have undergone inspection and are going to be repaired during 1991.

Following discovery of the manatee, the surveillance of the intake canal was increased to ensure the safety of the animal and that no other manatees are present. FPL feels that this is an isolated and unusual event, particularly since it is the first such occurrence in the 15 year operation history of the plant.

FPL personnel are consulting with U.S. Fish and Wildlife Service personnel and the Florida Department of Natural Resources on a continuing basis regarding the safe removal of the animal from the canal. Upon removal, the animal will either be released into the Indian River adjacent to the plant or will be taken to Sea World in Orlando, Florida for rehabilitation.