

CATEGORY 1

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION #: 9604120261 DOC. DATE: 96/04/05 NOTARIZED: NO DOCKET #
FACILITY: 50-335 St. Lucie Plant, Unit 1, Florida Power & Light Co. 05000335
50-389 St. Lucie Plant, Unit 2, Florida Power & Light Co. 05000389
AUTH. NAME AUTHOR AFFILIATION
BOHLKE, W.H. Florida Power & Light Co.
RECIP. NAME RECIPIENT AFFILIATION
Document Control Branch (Document Control Desk)

SUBJECT: Unusual or Important Environ Event re fish kill in plant intake canal on 960311. Caused by extreme seawater turbidity associated w/storm conditions, clogging gill surfaces & suffocating fish. Well chlorination discontinued.

DISTRIBUTION CODE: IE23D COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 2
TITLE: Environmental Event Report (per Tech Specs)

NOTES:

	RECIPIENT ID CODE/NAME	COPIES LTR ENCL	RECIPIENT ID CODE/NAME	COPIES LTR ENCL
	PD2-1 PD	1 1	NORRIS, J	1 1
INTERNAL:	ACRS	5 5	FILE CENTER 01	1 1
	OGC/HDS3	1 1	RGN2	1 1
EXTERNAL:	NOAC	1 1	NRC PDR	1 1

NOTE TO ALL "RIDS" RECIPIENTS:
PLEASE HELP US TO REDUCE WASTE! CONTACT THE DOCUMENT CONTROL DESK,
ROOM OWFN 5D-5 (EXT. 415-2083) TO ELIMINATE YOUR NAME FROM
DISTRIBUTION LISTS FOR DOCUMENTS YOU DON'T NEED!

TOTAL NUMBER OF COPIES REQUIRED: LTR 12 ENCL 12

C
A
T
E
G
O
R
Y

1

D
O
C
U
M
E
N
T



Florida Power & Light Company, P.O. Box 128, Fort Pierce, FL 34954-0128
April 5, 1996

L-96-89
10 CFR 50.36b
EPP 4.1

U. S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, DC 20555

RE: St. Lucie Units 1 and 2
Docket Nos. 50-335 and 50-389
Environmental Protection Plan Report
Event Date: March 11, 1996
Unusual or Important Environmental Event

The attached Report is being submitted pursuant to the requirements of Section 4.1 of the St. Lucie Units 1 and 2 Environmental Protection Plans to provide a description of a reportable fish kill at the St. Lucie Plant.

Should you have any questions on this information, please contact us.

Very truly yours,

W. H. Bohlke
Vice President
St. Lucie Plant

WHB/GRM

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

120070

9604120261 960405
PDR ADDCK 05000335
S PDR

IEZB
11

St. Lucie Units 1 and 2
Docket Nos. 50-335 and 50-389
Environmental Protection Plan Report
Unusual or Important Environmental Event

FISH KILL IN ST. LUCIE PLANT INTAKE CANAL

Following high winds and heavy seas associated with a storm that passed through the area on March 11, 1996, there was an occurrence of dead fish in the St. Lucie Plant intake canal. By March 13, 1996, approximately 100 dead fish were noted east of the turtle barrier net. Most were Jacks, Porcupine Fish, and Lookdowns; with smaller numbers of Stingrays, Permit, and Tripletails. Concurrently, about 15 to 20 Barracuda and 40 to 50 Sheepshead were observed dead in the plant's intake wells. A 72 hour notification to the NRC as per the EPP of the plant's Technical Specifications was completed March 15, 1996.

Biologists monitoring the intake canal turtle nets believe that this event was not causally related to plant operation but due to extreme seawater turbidity associated with the storm. These conditions most likely clogged the gill surfaces of the fish and subsequently resulted in suffocation. In unrestricted waters, fish typically leave areas of increased turbidity before it reaches lethal levels, but fish in the intake canal are unable to do so. No significant amount of dead fish were observed following the initial event, indicating that the casual conditions were short-term in nature.

Many smaller fish (e.g., Grunts, Spot, and small Jacks) were also observed alive in the intake wells following the event. As a precaution, chlorination of the wells was discontinued temporarily to avoid challenges to the fish that might still be stressed.

No agencies other than the NRC were notified of the event because it appeared to be caused by natural circumstances and affected a relatively small number of fish. No endangered or commercially important species were impacted.

