

CATEGORY 1

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 9604020089 DOC. DATE: 96/04/01 NOTARIZED: NO DOCKET #
FACIL: 50-389 St. Lucie Plant, Unit 2, Florida Power & Light Co. 05000389
AUTH. NAME AUTHOR AFFILIATION
LANDIS, K. Region 2 (Post 820201)
MILLER, M. Region 2 (Post 820201)
RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: PNO-II-96-023: on 960401, unusual event declared & terminated due to identified RCS leakage in excess of TS limits.

DISTRIBUTION CODE: IE34F COPIES RECEIVED: LTR 0 ENCL 1 SIZE: 2
TITLE: Preliminary Notification-Occurrence/Non-Routine Event/Safeguards Even

NOTES:

	RECIPIENT		COPIES		RECIPIENT		COPIES	
	ID	CODE/NAME	LTR	ENCL	ID	CODE/NAME	LTR	ENCL
INTERNAL:	ACRS		1	1	<u>FILE CENTER</u>		1	1
	NRR/DISP/PIPB		1	1	NRR/DRPM/PERB		1	1
	NUDOCS FULL TXT		1	1	OE DIR		1	1
	RES/DRA		1	1	RES/DRA/DEPY		1	1
	RES/DSIR/EIB		1	1	RES/DSR DEPY		1	1
	RES/DST		1	1	RES/RPHEB		1	1
	RGN2 FILE 01		1	1				
EXTERNAL:	LITCO BRYCE, J H		1	1	NOAC		1	1
	NRC PDR		1	1	NUDOCS FULL TXT		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 0 ENCL 17

C
A
T
E
G
O
R
Y
1
D
O
C
U
M
E
N
T

PRELIMINARY NOTIFICATION OF EVENT OR UNUSUAL OCCURRENCE PNO-II-96-023

This preliminary notification constitutes EARLY notice of events of POSSIBLE safety or public interest significance. The information is as initially received without verification or evaluation, and is basically all that is known by Region II staff in Atlanta, Georgia on this date.

Facility

Florida Power & Light Co.
Saint Lucie 2
Fort Pierce, Florida
Dockets: 50-389

Licensee Emergency Classification

X Notification of Unusual Event
Alert
Site Area Emergency
General Emergency
Not Applicable

Subject: UNUSUAL EVENT DECLARED DUE TO UNIT 2 EXCESSIVE RCS LEAKAGE

At 10:38 a.m., operators at St. Lucie Unit 2 placed the "A" purification ion exchanger in service. At 11:55 a.m., control room operators noted that Volume Control Tank (VCT) level had decreased approximately 3 percent in slightly less than one hour. The noted level decrease was correlated to an approximate 1.6 gpm loss of inventory. Operators entered the unit's off-normal operating procedure, began a Reactor Coolant System (RCS) inventory balance, and verified that pressurizer level was stable, that charging and letdown flows were matched, that containment sump, quench tank, and reactor drain tank levels were not increasing and that containment radiation levels were stable. As a result, it was concluded that any leakage was most probably occurring outside of containment and inspections began in the reactor auxiliary building in an attempt to identify the source of the leakage.

At 12:45 p.m., a letdown pressure hi/lo annunciator was received in the control room and operators noted a step change in the leakage rate to approximately 29 gpm (the annunciator in question has in the past been associated with letdown pressure fluctuations and relief valve lifts, but this has not yet been established as the cause for the annunciator). At this time, operators were narrowing their search for the leak to the Chemical and Volume Control System (CVCS) ion exchangers. At 12:55 p.m., operators bypassed the CVCS ion exchangers and noted that the VCT level decrease stopped. An inspection of the area indicated that leakage had existed past the packing of V2369, the "A" ion exchanger inlet isolation valve, which was located in a locked high radiation area.

At 2:30 p.m., at the direction of plant management, operators declared and terminated a Notification of Unusual Event (NOUE) due to identified RCS leakage (during the event) in excess of TS limits.

The Headquarters Operations Center was initially notified of this event by the licensee (see Event Number 30210) and the Senior Resident Inspector was notified via telephone by the licensee and responded to the site. This information is current as of 7:00 a.m., April 1, 1996, and has been discussed with licensee management. Unit 2 is currently at 100 percent power.

The residents are closely following the licensee's actions.

The State of Florida has been notified and a press release will be issued.

Contact: K. LANDIS
(404) 331-5509

M. MILLER
(407) 464-7822