

ACCELERATED DISTRIBUTION DEMONSTRATION SYSTEM

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 9205130211 DOC.DATE: 92/04/01 NOTARIZED: NO DOCKET # 05000335
 FACIL: 50-335 St. Lucie Plant, Unit 1, Florida Power & Light Co.
 AUTH.NAME AUTHOR AFFILIATION
 BOHLKE, W.H. Florida Power & Light Co.
 RECIP.NAME RECIPIENT AFFILIATION
 NRC - No Detailed Affiliation Given

SUBJECT: Part 21 rept re crack-like indications found in three inch Monel 400 tee fitting supplied by Tioga Pipe Supply Co, Inc. Fabrication suspended & metallurgical exams conducted.

DISTRIBUTION CODE: IE19D COPIES RECEIVED: LTR 1 ENCL 0 SIZE: 3
 TITLE: Part 21 Rept (50 DKT)

NOTES:

	RECIPIENT ID CODE/NAME	COPIES		RECIPIENT ID CODE/NAME	COPIES	
		LTR	ENCL		LTR	ENCL
	PD2-2 LA	1	0	PD2-2 PD	1	1
	NORRIS, J	1	1			
INTERNAL:	AEOD/DSP/ROAB	1	1	NRR/DOEA/OGCB11	2	2
	NRR/DRIS/RVIB9D	1	1	<u>REG FILE</u> 01	1	1
	RES/DSIR/EIB	1	1	RGN1	1	1
	RGN2	1	1	RGN3	1	1
	RGN4	1	1	RGN5	1	1
	SECY VANDERMEL	1	1			
EXTERNAL:	INPO RECORD CTR	1	1	NRC PDR	1	1
	NSIC SILVER, E	1	1			

NOTE TO ALL "RIDS" RECIPIENTS:

PLEASE HELP US TO REDUCE WASTE! CONTACT THE DOCUMENT CONTROL DESK, ROOM P1-37 (EXT. 20079) TO ELIMINATE YOUR NAME FROM DISTRIBUTION LISTS FOR DOCUMENTS YOU DON'T NEED!

TOTAL NUMBER OF COPIES REQUIRED: LTR 18 ENCL ~~17~~ 0

IAI

R
I
D
S
/
A
D
D
S

R
I
D
S
/
A
D
D
S

10CFR21 - REPORTING OF DEFECTS AND NON-COMPLIANCE**I. NAME AND ADDRESS OF INDIVIDUALS INFORMING NRC**

W. H. Bohlke, Vice President Nuclear Engineering and
Licensing
Florida Power & Light Company (FPL)
P.O. Box 14000
Juno Beach, FL 33408

II. NAME OF FACILITY/ACTIVITY/BASIC COMPONENT

St. Lucie Units 1 & 2 Docket Nos. 50-335/389
3" Monel 400 Socket Weld Tee Fittings, ASME SB564
Heat Code MA52623
FPL Purchase Order Number 90932-92836

III. NAME OF FIRM SUPPLYING COMPONENT

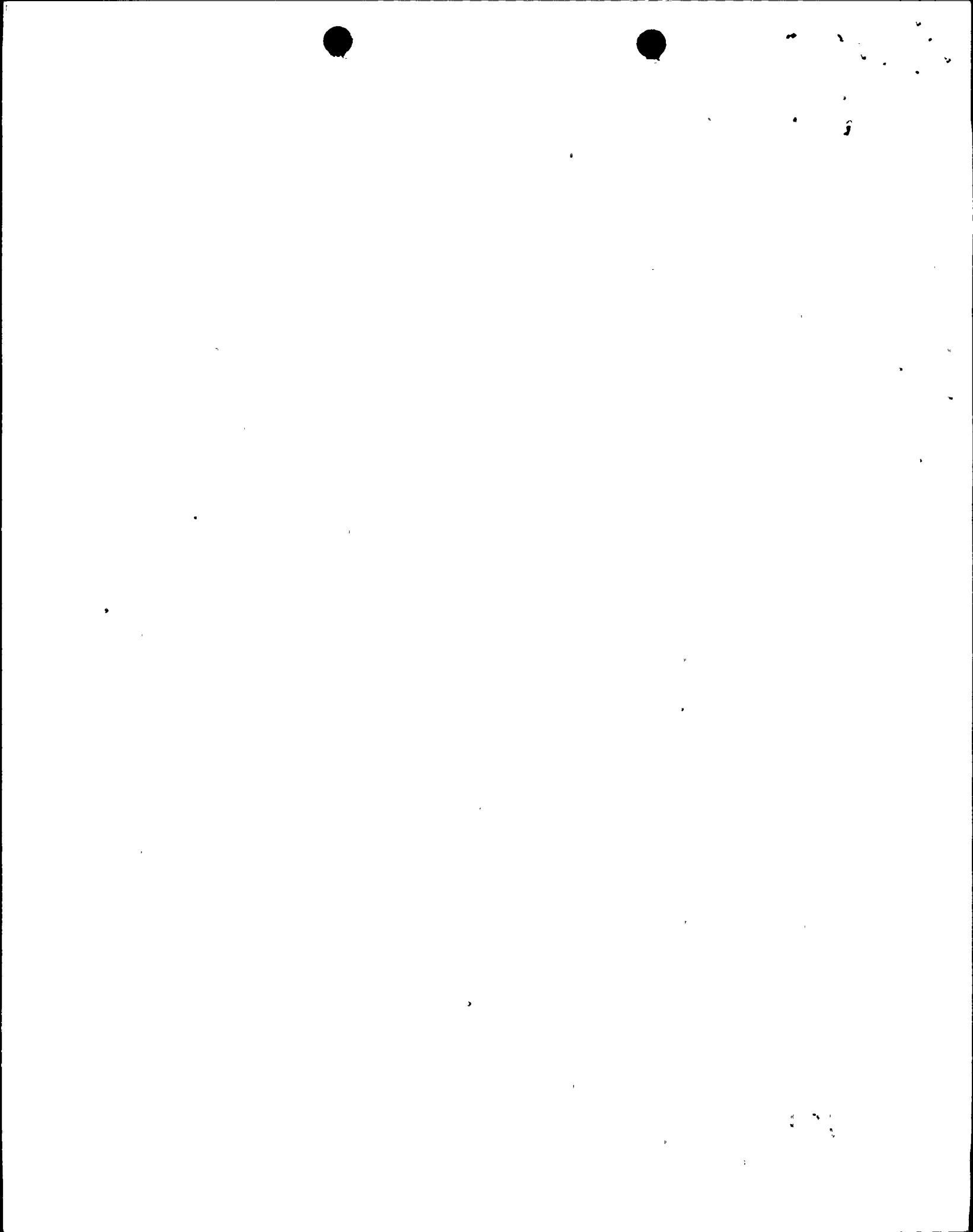
Tioga Pipe Supply Company, Inc.
2450 W heatsheaf Lane
P.O. Box 5997
Philadelphia, PA 19137

IV. NATURE OF DEFECT/SAFETY HAZARD

- A. **DEFECT:** Crack-like indications were found in a 3" Monel 400 tee fitting during fabrication of a replacement spool section for Intake Cooling Water (ICW) piping for St. Lucie Unit 1. On January 30, 1992, the FPL Nuclear Division Metallurgical Laboratory concluded that the material of the forged tee did not meet mechanical requirements of the ASME SB564 specification to which the material was certified, nor did it compare to the results reported on the Certified Material Test Report provided by the supplier. Actual test results on the tee indicate that the tensile strength and elongation did not meet ASME Section II, Part B material specification SB564 requirements. Improper heat treatment during the forging process is believed to be the principal cause of the defect.
- B. **SAFETY HAZARD:** The tee fitting was to have been installed in the safety-related Quality Group C ICW System as part of the ICW pump Lube Water System. A postulated non-ductile failure of the tee combined with failure of a redundant ICW train, under accident conditions, could have resulted in loss of the ultimate heat sink. As described in VI below, no tees of this heat were installed in either unit.

120027
9205130211 920401
PDR ADOCK 05000335
S PDR

JE 9/10



V. DATE OF DISCOVERY OF DEFECT

The defect was discovered on January 30, 1992 when the FPL Nuclear Division Metallurgical Laboratory concluded that the material was not in accordance with the material specification referenced in IV (A) above.

VI. NUMBER AND LOCATION OF COMPONENTS

- A. No 3" Monel 400 socket weld tees of this heat are installed in safety-related systems at either St. Lucie Units 1 or 2.
- B. Seven tees were received on FPL Purchase Order 90932-92836. One tee was used in the fabrication described in IV (A) above. Six additional tees of this heat have been returned to the material supplier.

VII. CORRECTIVE ACTION

Fabrication was suspended and metallurgical examinations conducted. Six additional tees of the same heat have been returned by FPL to the material supplier. Corrective action is complete.

VIII. OTHER INFORMATION

FPL will report this information on the INPO NUCLEAR NETWORK by April 1, 1992.

Tioga Pipe Supply Company has been informed of this defect.

This initial notification by facsimile will be followed by formal written notification by April 30, 1992.





Facsimile Cover Sheet

FPL

SHOULD ORIGINAL COPIES BE DISCARDED?	YES <input type="checkbox"/>	NO <input type="checkbox"/>
IF NOT, PLEASE ARRANGE FOR PICK-UP BY NEXT BUSINESS DAY		
SUBMITTER'S NAME:	_____	EXTENSION: _____

SEND TO: NRC Operations Center

COMPANY/DEPARTMENT: NRC

FACSIMILE PHONE NUMBER: (301) 492-8187

FROM: W.H. Bohke, Vice President

DEPARTMENT: Juno Beach TELEPHONE NO: 407-694-3241

DATE: 4-1-92 TIME: 9:30

TOTAL PAGES (INCLUDING THIS SHEET) 3

SPECIAL INSTRUCTIONS: 10 CFR Part 21 Notification

IF YOU DO NOT RECEIVE THIS MESSAGE CLEARLY
PLEASE CONTACT US AT (407) 694-3617
(TELEPHONE NUMBER)

TELECOPY OPERATOR'S NAME: _____