

**NRC DISTRIBUTION FOR PART 50 DOCKET MATERIAL  
(TEMPORARY FORM)**

CONTROL NO: 3183

FILE: INCIDENT REPORT FILE

FROM: Florida Powder & Light Co. Miami, Fla. A.D. Schmidt			DATE OF DOC 3-21-75	DATE REC'D 3-25-75	LTR XX	TWX	RPT	OTHER
TO: Edson G. Case			ORIG 1 signed	CC	OTHER	SENT AEC PDR <u>XXX</u> SENT LOCAL PDR <u>XXX</u>		
CLASS	UNCLASS XXX	PROP INFO	INPUT	NO CYS REC'D 1	DOCKET NO: 50-251			
DESCRIPTION:  Ltr. reporting Abnormal Occurrence # 75-4 trans the following...   Turkey Point #4				ENCLOSURES:  Lateral Restraints for Spent Fuel Racks Broken.  <b>DO NOT REMOVE</b> <b>ACKNOWLEDGED</b>				
PLANT NAME:								

FOR ACTION/INFORMATION

VCR 3-26-75

BUTLER (L) W/ Copies	SCHWENCER (L) W/ Copies	ZIEMANN (L) W/ Copies	REGAN (E) W/ Copies
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INTERNAL DISTRIBUTION

<u>REG FILE</u>	<u>TECH REVIEW</u>	<u>DENTON</u>	<u>LIC ASST</u>	<u>A/T IND.</u>
- NRC PDR	- SCHROEDER	** GRIMES	R. DIGGS (L)	BRAITMAN
- OGC, ROOM P-506A	MACCARY	GAMMILL	H. GEARIN (L)	SALTZMAN
- GOSSICK/STAFF	KNIGHT	KASTNER	E. GOULBOURNE (L)	MELTZ
- CASE	PAWLICKI	BALLARD	P. KREUTZER (E)	
- GIAMBUSSO	SHAO	SPANGLER	J. LEE (L)	<u>PLANS</u>
- BOYD	** STELLO		M. MAIGRET (L)	MCDONALD
- MOORE (L)	** HOUSTON	<u>ENVIRO</u>	S. REED (E)	CHAPMAN
- DEYOUNG (L)	** NOVAK	MULLER	M. SERVICE (L)	DUBE (Ltr)
- SKOVHOLT (L)	- ROSS	DICKER	S. SHEPPARD (L)	E. COUPE
- GOLLER (L) (Ltr)	- IPPOLITO	KNIGHTON	M. SLATER (E)	PETERSON
- P. COLLINS	TEDESCO	YOUNGBLOOD	H. SMITH (L)	HARTFIELD (2)
- DENISE	LONG	REGAN	S. TEETS (L)	- KLECKER
- REG OPR	LAINAS	PROJECT LDR	G. WILLIAMS (E)	EISENHUT
- FILE & REGION (2)	BENAROYA		V. WILSON (L)	- WIGGINTON
- T.R. WILSON (3)	- VOLLMER	<u>HARLESS</u>	R. INGRAM (L)	- F. WILLIAMS
- STEELE				- HANAUER

EXTERNAL DISTRIBUTION

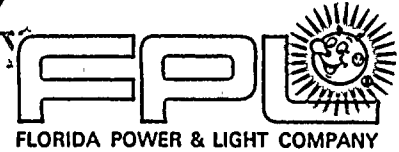
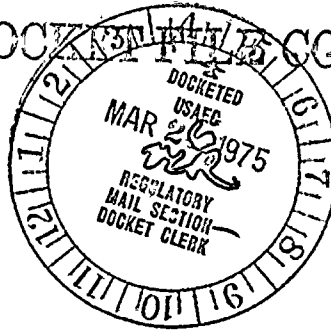
*A.D. 4*

*PK*

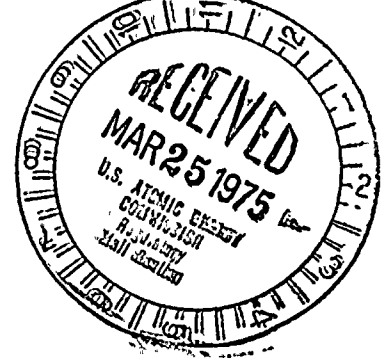
- 1 - LOCAL PDR Homestead, Fla.	- NATIONAL LABS	1 - PDR-SAN/LA/NY
- 1 - TIC (ABERNATHY) (1)(2)(10)	1 - W. PENNINGTON, Rm E-201 GT	1 - BROOKHAVEN NAT LAB
- 1 - NSIC (BUCHANAN)	1 - CONSULTANTS	1 - G. ULRIKSON, ORNL
1 - ASLB	NEWMARK/BLUME/AGBABIAN	1 - AGMED (RUTH GUSSMAN) Rm B-127 GT
1 - Newton Anderson		1 - J. D. RUNKLES, Rm E-201 GT
- 5 - ACRS SENT TO LIC ASST		
** SEND ONLY TEN DAY REPORTS		

*Chugram*

REGULATORY DOCKET FILE COPY



March 21, 1975



Mr. Edson G. Case, Acting Director  
Office of Nuclear Reactor Regulation  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

Dear Mr. Case:

ABNORMAL OCCURRENCE NO. 251-75-4  
OCCURRENCE DATE: MARCH 12, 1975  
TURKEY POINT UNIT NO. 4  
LATERAL RESTRAINTS FOR SPENT  
FUEL RACKS BROKEN

A. CONDITIONS PRIOR TO OCCURRENCE

Unit No. 4 was at steady-state power operation at 99% rated power. The Unit No. 4 spent fuel pool was drained and being cleaned in preparation for the first refueling.

B. DESCRIPTION OF OCCURRENCE

During the spent fuel pool cleaning on March 6, 1975, it was found that one of the 116 stainless steel seismic restraint springs (see Sketches No. 1 and 2) on the spent fuel racks had broken into two pieces and was lying on the pool floor. The remaining springs were all noted to be in place. However, a more careful examination of each of the remaining 115 springs was completed on March 12, 1975 and revealed that 5 additional springs were similarly broken, but were held in place by the nuts used to fasten the spring to the stud used for preloading the spring (see Sketch No. 1).

C. DESIGNATION OF APPARENT CAUSE OF OCCURRENCE

The investigation to date has not conclusively determined the cause of the broken springs. One of the broken springs has been sent to a laboratory for metallurgical analysis, but the results are not yet available.

D. ANALYSIS OF OCCURRENCE

The springs provide restraint for the spent fuel racks in the event of a seismic event. Inasmuch as there was no spent fuel in the Unit No. 4 spent fuel pool, the broken springs clearly presented no nuclear safety problem, and posed no potential danger to the public health and safety.

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Mr. Edson G. Case, Acting Director  
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E. CORRECTIVE ACTION

The broken springs will be replaced with new springs of the same functional design. A supplement to this report will be issued in the event that additional corrective action is required as a result of the continuing investigation.

F. FAILURE DATA

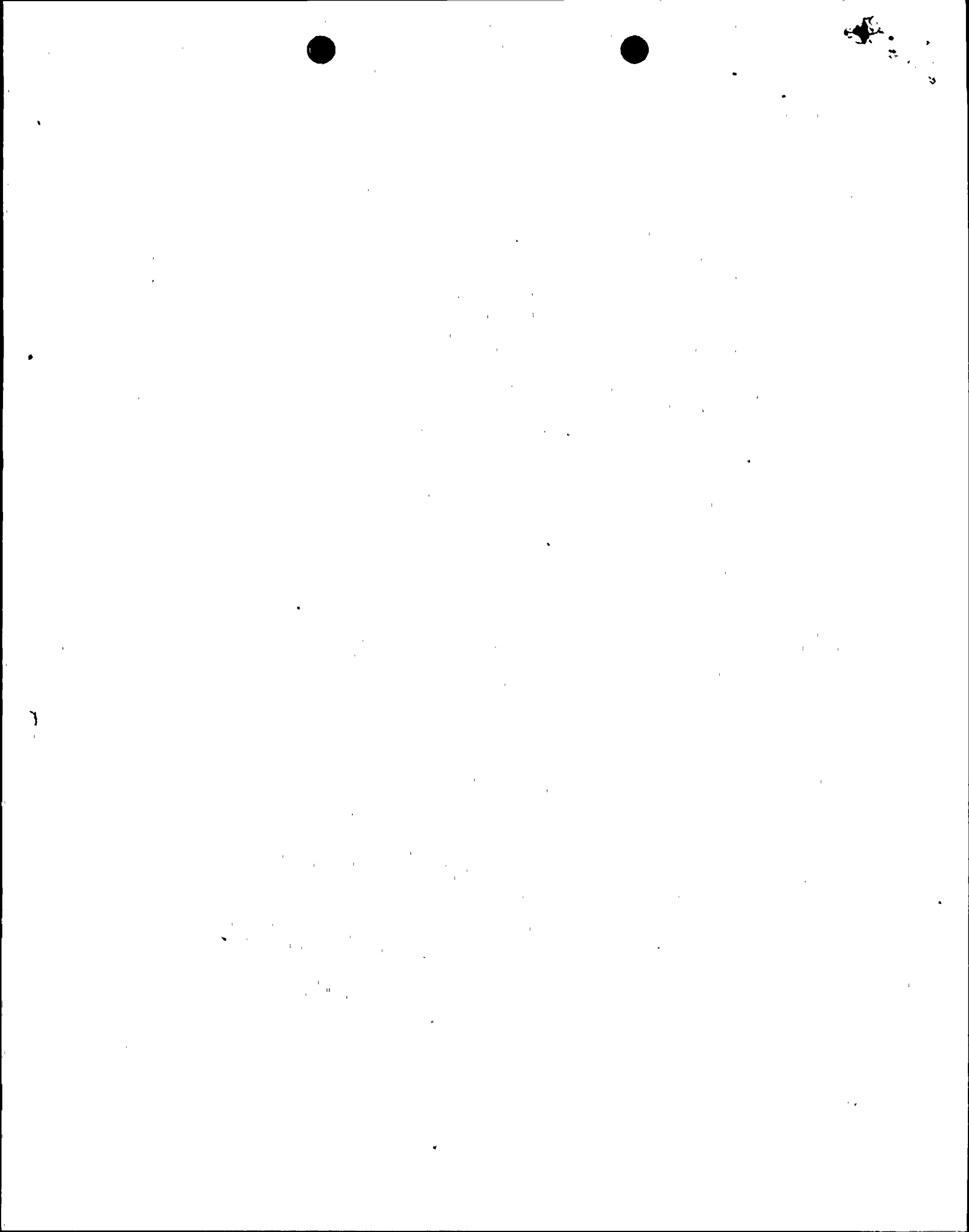
There has been one other instance of a broken spring at the Turkey Point Plant. On March 10, 1975, one of the 116 springs installed in Unit No. 3 spent fuel pool was found to have broken. The springs are manufactured by Unistrut Corporation, Wayne, Michigan, and are designated as part number 115792.

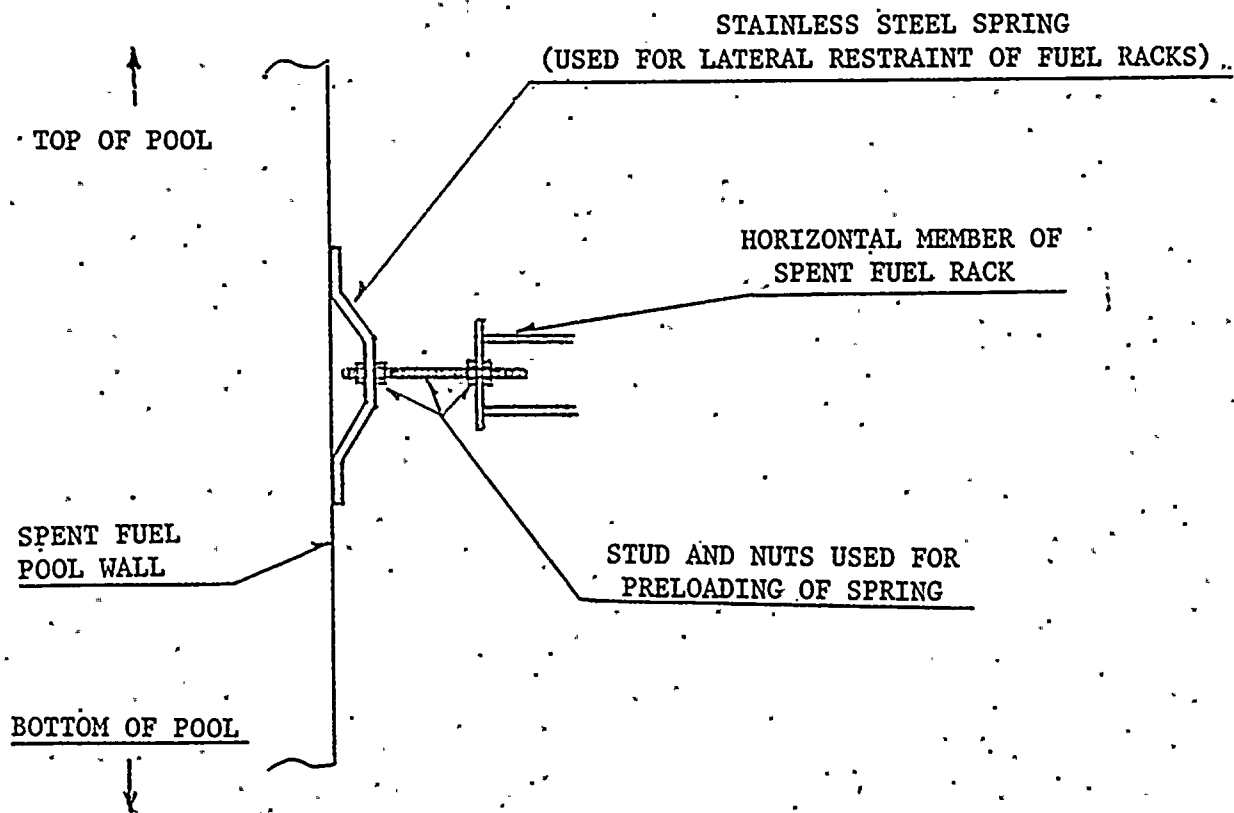
Very truly yours,

*J.R. Bensen*  
for A. D. Schmidt  
Vice President  
Power Resources

HNP/cpc

cc: Mr. Norman C. Moseley  
Jack R. Newman, Esquire





SPRING INSTALLATION  
IN TURKEY POINT SPENT FUEL POOL

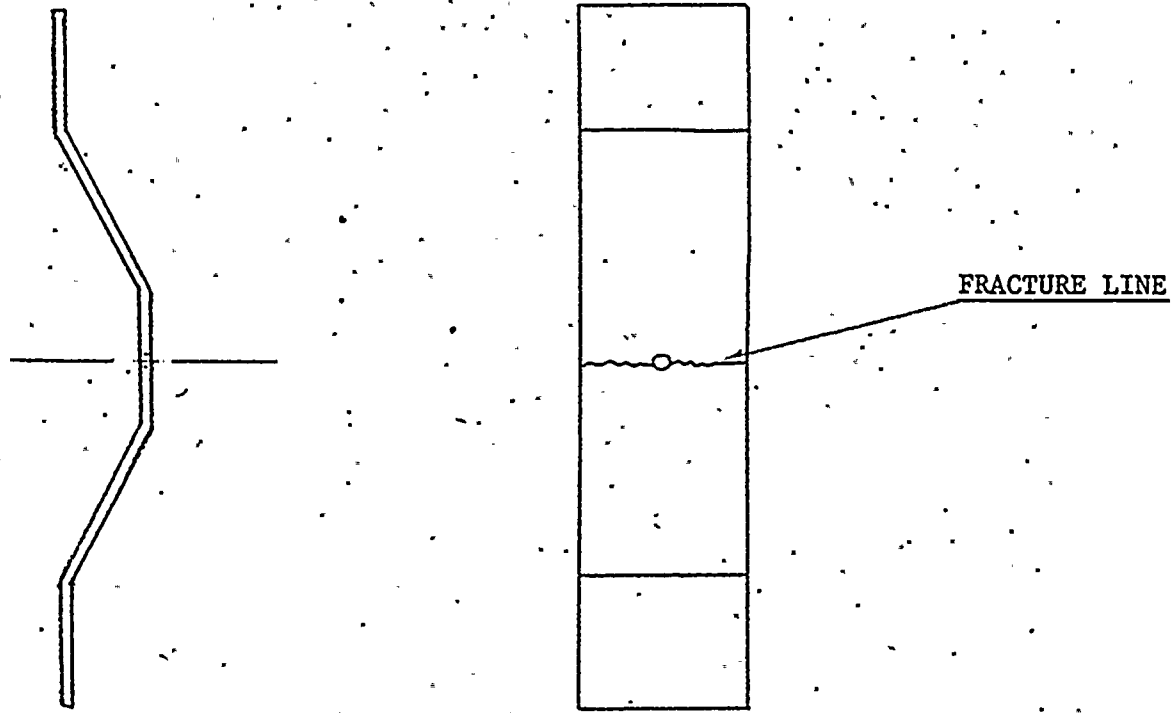
SKETCH NO. 1



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STAINLESS STEEL SPRING USED FOR  
LATERAL RESTRAINT OF SPENT FUEL RACKS AT  
TURKEY POINT PLANT

SKETCH NO. 2

