



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555

PDR-016

MAY 24 1984

Ms. Nina Bell  
Nuclear Information and Resource Service  
1346 Connecticut Avenue, NW  
4th Floor  
Washington, DC 20036

IN RESPONSE REFER  
TO FOIA-84-318

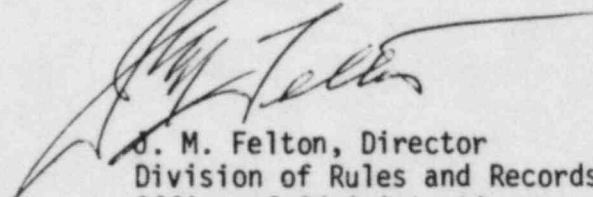
Dear Ms. Bell:

This is in partial response to your letter dated April 24, 1984, in which you requested, pursuant to the Freedom of Information Act, three categories of documents regarding the recent discovery of the failure of the furnace-sensitized stub tubes at Nine Mile Point, Unit 1.

The documents listed on the appendix are being placed in the NRC Public Document Room (PDR) located at 1717 H Street, NW, Washington, DC 20555.

The NRC has not completed its review of the remaining documents subject to your request. We will respond as soon as that review is completed.

Sincerely,



J. M. Felton, Director  
Division of Rules and Records  
Office of Administration

Enclosure: Appendix

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PDR FOIA  
BELL84-318 PDR

APPENDIX

	DATE	ORIGINATOR	RECIPIENT	DESCRIPTION
1.	10/27/67	AEC-Moseley	AEC-O'Reilly	Notification of Problem at Oyster Creek
2.	11/7/67	AEC-O'Reilly	AEC-Moseley	Crack in Stub Tube Weld
3.	11/8/67	AEC-Price	AEC-Commissioners	Update on Stub Tube Cracks
4.	11/24/67	AEC-Price	AEC-Commissioners	Update on Stub Tube Cracks
5.	11/30/67	AEC-Lainas	AEC-Tedesco	Summary of 11/22/67 meeting
6.	12/1/67	AEC-Moseley	AEC-O'Reilly	Update on Oyster Creek Inspections
7.	12/14/67	AEC-Engelken	AEC-Boyd	Summary of 12/12/67 meeting
8.	12/20/67	AEC-Tedesco	AEC-Morris	Outstanding Review Matters
9.	12/22/67	AEC-Reinmuth	AEC-Kornblith	Status of Vessel Problems
10.	1/17/68	AEC-Tedesco	Files	Data on Stub Tubes
11.	1/19/68	AEC-Price	AEC-Commissioners	Update on Stub Tube Cracks
12.	1/24/68	AEC-Moseley	AEC-O'Reilly	Inquiry Memorandum
13.	1/31/68	AEC-Stello	AEC-Boyd	Minutes of Meeting on QA
14.	2/9/68	Jersey Central Power & Light	AEC-Morris	Reactor Vessel Repair Program
15.	2/14/68	AEC-Boyd	AEC-Morris	Update on Stub Tube Problem
16.	2/21/68	AEC-Etherington	AEC-ACRS	Summary of Stub Tube Problem
17.	3/18/68	AEC-Moseley	AEC-O'Reilly	Update of Inspections at Oyster Creek
18.	3/22/68	AEC-Morris	Jersey Central Power & Light	Response to licensees 2/9/68 letter
19.	4/5/68	AEC-Stello	AEC-Boyd	Minutes of 4/3/68 meeting
20.	4/9/68	Jersey Central Power & Light	AEC-Price	Status of Repairs

APPENDIX

(CONTINUED)

21.	4/15/68	AEC-Morris	Jersey Central Power & Light	Amendments 35 & 36 to license
22.	5/2/68	AEC	Jersey Central Power & Light	Inspection Report 219/68-2
23.	5/9/68	AEC-Carlson	AEC-Moseley	Transmittal of Inspection Report
24.	5/29/68	AEC-Perse	AEC-DeYoung	Repair Concerns
25.	6/25/68	AEC-Morris	Jersey Central Power & Light	Approval to make repairs
26.	7/3/68	AEC-Engelken	AEC-Boyd	Transmittal of report covering Visit to GE San Jose
27.	7/5/68	--	AEC-Morris	TWX on repair of Tubes
28.	2/11/69	AEC-Engelken	AEC-Boyd	Summary Report of Repairs
29.	4/10/84	File	NRC	Meeting Summary
30.	4/10/84	Unknown	File	Notes of meeting
31.	4/13/84	NRC- Starostecki	NRC-Eisenhut	Nine Mile Pt - Task Interface Agreement
32.	4/13/84	NRC-Durr	File	Notes
33.	4/16/84	NRC-Durr	File	Notes

**MEMO ROUTE SLIP**

Form AEC-93 (Rev. May 14, 1947)

See me about this.  
Note and return.

For concu  
For signature.

For action.  
For information.

TO (Name and unit)		INITIALS	REMARKS
N. C. Moseley Senior Reactor Inspector Region I			
		DATE	
		11/7/67	RE: JERSEY CENTRAL POWER AND LIGHT CO. (DOCKET NO. 50-219) CRACK IN STUB TUBE WELD, PRESSURE VESSEL,
TO (Name and unit)		INITIALS	REMARKS
		DATE	
			Attached you will find correspondence requested in telephone conversation of November 7, 1967.
TO (Name and unit)		INITIALS	REMARKS
			Attachments:
			CO memo dtd 10/27/67
			DRL ltr dtd 11/7/67
		DATE	
			<i>nc Moseley</i>
FROM (Name and unit)		REMARKS	
<i>J. P. O'Reilly</i> J. P. O'Reilly <i>per 42C</i>			
		<i>to Carl</i>	
		<i>WMA Hilbert</i>	
		<i>G. Hilbert</i>	
		<i>pm</i>	
PHONE NO.	DATE		
	11/7/67		

USE OTHER SIDE FOR ADDITIONAL REMARKS

U. S. GOVERNMENT PRINTING OFFICE : 1957-O-422007

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L. Kornblith, Jr., Assistant Director for  
Technical Programs, Division of Compliance

G. W. Rinnuth, Reactor Inspector (Programs  
Standards), Division of Compliance

Signed by  
G. W. Rinnuth

**LEAK IN OYSTER CREEK PRESSURE VESSEL**

The following information was obtained during a visit to the Jersey Central, Oyster Creek reactor site on October 25-26, 1967.

During the field hydrostatic pressure test of the Oyster Creek reactor pressure vessel and connected primary piping, a small leak (approximately a drop a minute) was detected coming from one of the rod guide tubes. Follow-up inspection from the inside of the vessel disclosed a circumferential crack 6-8" in length in the shop installed stub tube weld.

The stub tube weld is Inconel weld metal attaching the stainless steel stub tube to the carbon steel pressure vessel. It is described as a partial penetration, J-groove, seal weld. The weld was made in the Combustion Engineering Company Shop, tested by magnetic particle and dye penetrants and satisfactorily passed the code required, shop hydrostatic pressure test (150% design pressure - vessel was built to ASME, Section VIII requirements). Ultrasonic or radiographic tests of these welds are not meaningful because of the unusual configuration. The cause, time or extent of cracking has not been determined at this time. Dye penetrant testing of surrounding nozzles on a sampling basis was in progress on October 26. Initial information from these tests show additional "indications" which are not described as to type or cause.

A possible cause of the cracking is a differential expansion and contraction of the stub tube resulting from the field weld of the rod guide tube to the vessel stub tube. This field weld is located approximately 1-1/2" to 2" above the shop weld. This cause is conjecture at this time.

Repair of the observed crack will involve grinding out metal in the crack area to determine the depth and direction. Until these facts are known, the possible causes, the courses of corrective action or the time

(continued)

L. Korablith, Jr.

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to repair are indeterminate. Combustion Engineering Company personnel are on site and participating in the investigations.

H. L. Price, P. A. Morris, R. S. Boyd, R. H. Engelman and J. O'Reilly were briefed verbally of the situation on October 27. Two photographs, including one of the crack and a vessel drawing were supplied to Mr. Price.

My current plans are to visit the site again on October 31 - November 1. Jack Chyle, Compliance's welding consultant, will accompany me.

cc: R. H. Engelman, CO  
J. O'Reilly, CO  
H. R. Denton, CO

CO:TS

GWReinmuth:llr

10/27/67