



GENERAL ATOMIC

55  
81-430-000

GENERAL ATOMIC COMPANY  
P.O. BOX 81608  
SAN DIEGO, CALIFORNIA 92138  
(714) 457-3000

May 15, 1981

Mr. Victor Stello, Director  
Office of Inspection and Enforcement  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

Ref. 1: IEEE Standard 323-1974, "Standard for Qualifying Class 1E  
Equipment for Nuclear Power Generating Stations", Appendix A

Dear Mr. Stello:

This is the written report, submitted in compliance with 10CFR21, of an apparent defect reported to your Region V Office by telephone on May 12, 1981. The defect is in instrument cable furnished by General Atomic Company to a number of customers.

The following items of the report are arranged in the order listed in Part 21:

1. Information reported by:

Corwin L. Rickard,  
Executive Vice-President  
General Atomic Company  
P. O. Box 81608  
San Diego, CA 92138

2. The basic component is Rockbestos cable, catalog number  
RSS-6-104.

3. The firm manufacturing the possibly defective material is:

Rockbestos Corporation  
285 Nicoll Street  
New Haven, CT 06504

4. The nature of the defect is:

Instrument cable used in 1E, safety-related installations appears to not meet manufacturer's certification at IEEE temperature recommendations (Reference 1). Cable is coaxial cable used in acquisition of ion chamber signal and specified as Rockbestos RSS-6-104. Certified cab. was purchased from Rockbestos Corporation by General Atomic Company and transhipped in unterminated quantities to purchasers listed

81060/0419

To: Mr. Victor Stello

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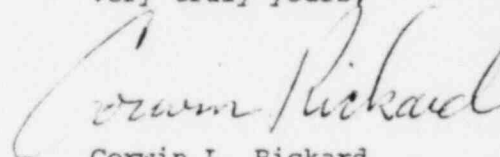
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5. The date on which I was informed of the possible defect was May 12, 1981.
6. The attachment lists the customers to which the potentially defective cable has been sent.
7. Corrective action taken has been to inform cable manufacturer of apparent defect and notify recipients of General Atomic shipments of the action taken. Corrective action time will vary depending on use factor by specific users and may entail replacement of cables determined to be defective.
8. Advice to purchasers or licensees is to assess their particular use and determine how the defect could affect their plant safety. General Atomic evaluation of one lot only indicates that cables will survive 300°F (versus 340°F from Reference 1, which was the manufacturer's specification), which is the typical design basis event condition for PWRs.

I would be pleased to provide any additional available information required. Please contact Mr. Colin R. Fisher, (714)455-4492, for that purpose.

Very truly yours,



Corwin L. Rickard  
Executive Vice-President

cc: Mr. Robert Engelken, Director  
NRC, Region V

## SHIPMENTS OF ROCKBESTOS CABLE FROM GENERAL ATOMIC

Item	Customer	Station	No. of Detectors to Install (ft)	Date Shipped
1	Power Authority/State of NY	Indian Point #3	2 1000	11-7-80
2	Florida Power & Light	St. Lucie	1000	11-14-80
3	Florida Power & Light	Turkey Point	2 1000	2-10-81
4	Mill Power Supply Co. (Duke Power)	Catawba	4 2000	2-11-81
5	Bechtel Ray Long	Arkansas Power & Light	6 2000	2-11-81
6	Niagara Mohawk	Arkansas Power & Light	4 1000	2-12-81
7	Niagara Mohawk	Nine Mile Point (BWR)	3 1500	9-23-80
8	Wisconsin Public Service	Kewaunee	3 1000	11-17-80
9	Dairyland Power Cooperative	Dairyland Power Coop.	2 1000	10-24-80
10	Philadelphia Electric Co.	Peach Bottom (BWR)	8 4000	9-11-80
11	Maine Yankee Atomic Co.	Maine Yankee	2 1000	11-19-80
12	Mill Power Supply Co. (Duke Power)	McGuire Nuc. Station	6 2000	10-17-80
13	Wisconsin Electric Power Co.	Point Beach	5 3200	10-20-80
14	Northern States Power	Monticello (BWR)	2 1000	10-31-80
15	Northern States Power	Prairie Island	5 1500	9-26-80
16	Power Authority/State of NY	James A. Fitzpatrick(BWR)	2 1000	12-22-80
17	Northeast Utilities	Millstone II	3 1500	9-8-80
18	Northeast Utilities	Connecticut Yankee	3 1500	9-8-80
19	Northeast Utilities	Millstone I	3 1500	10-24-80
20	Commonwealth Edison	La Salle 1 & 2 (BWR)	4 2000	8-27-80
20	Commonwealth Edison	Zion 1 & 2	5 2500 2500	10-24-80 11-6/80

<u>Item</u>	<u>Customer</u>	<u>Station</u>	<u>Quantity</u> <u>Cable</u> <u>(ft)</u>	<u>Date</u> <u>Shipped</u>
21	Commonwealth Edison	Quad Cities 1 & 2 (BWR)	6 2000	11-6-80
22	Commonwealth Edison	Dresden Station 2 & 3(BWR)	6 2000	10-30-80
23	Baltimore Gas & Electric Co.	Calvert Cliffs	4 2200	10-17-80
24	Nordostschweizerische Kraft- werke	Switzerland	7 6500	6-21-80
25	Southern Cal. Edison	SONGS II & III	4 6287	12-23-80
26	Southern Cal. Edison	SONGS I	2 8555	2-17-81
27	Boston Edison Company	Pilgrim Station BWR/PWR	6 <u>5200</u>	3-18-80
TOTAL SHIPPED:			68442	



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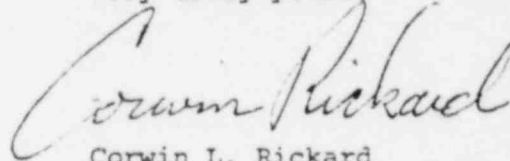
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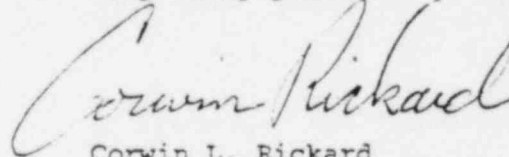
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PART 21 IDENTIFICATION NO. 81-430-000 COMPANY NAME General Atomics

DATE OF LETTER 5/15/81 DOCKET NO. \_\_\_\_\_

DATE DISTRIBUTED \_\_\_\_\_ ORIGINAL REPORT  SUPPLEMENTARY

DISTRIBUTION:

REACTOR (R)

IE FILES

EES - Mills

REGIONS I,II,III,IV,V

VENDOR BR. R-IV

LOEB / MPA MNB 5715

AEOD MNB 7602

AEOD DMU MNB 7217  
NRR/DOE

NRR/DSI

NRR/DST

NRR/DOL

ASLBP E/W 450

CENTRAL FILES 016

CENTRAL FILES (CHRON)

PDR

LPDR

ACTION:

PRELIMINARY EVALUATION OF THE ATTACHED REPORT INDICATES LEAD RESPONSIBILITY FOR FOLLOWUP AS SHOWN BELOW:

IE

NRR

NMSS

OTHER

EES

8106010419

**POOR ORIGINAL**

FUEL CYCLE &   
MATERIALS (M)

IE FILES

AD/FR/SI

REGIONS I,II,III,IV,V

VENDOR BR. R-IV

NMSS / FCMS SS-395

LOEB / MPA MNB 5715

AEOD MNB 7602

AEOD DMU MNB 7217  
ASLBP E/W 450

SAP/SP MNB-7210A

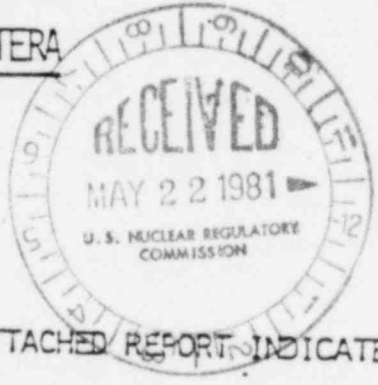
CENTRAL FILES 016

CENTRAL FILES (CHRON)

PDR

LPDR

TERA



SAFEGUARDS (S)

IE FILES

AD/SG

AD/ROI

REGIONS I,II,III,IV,V

VENDOR BR. R-IV

NRR/DOL

NMSS / SG SS-881

LOEB / MPA MNB 5715

AEOD MNB 7602

AEOD DMU MNB 7217  
ASLBP E/W 450

CENTRAL FILES 016

CENTRAL FILES (CHRON)

CENTRAL FILES SS-395

PDR

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TERA