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GENERAL ATOMIC

GENERAL ATOMIC COMPANY
P.O. BOX 81608
SAN DIEGO, CALIFORNIA 92138
(714) 455-3000

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 Nicall 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

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in attachment. General Atomic is not in a position to assess the safety impact on individual operating plants since the environmental conditions under which the cable is used will differ markedly. Each user should evaluate his specific installation and evaluate the safety aspect with respect to his license and/or PSAR and whether BWR or PWR criteria apply.

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 Rickard

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
				1000	11-14-80
2	Florida Power & Light	St. Lucie	2	1000	2-10-81
3	Florida Power & Light	Turkey Point	4	2000	2-11-81
4	Mill Power Supply Co. (Duke Power)	Catawba	6	2000	2-11-81
5	Bechtel Ray Long	Arkansas Power & Light	4	1000	2-12-81
6	Niagara Mohawk	Nine Mile Point (BWR)	3	1500	9-23-80
7	Wisconsin Public Service	Kewaunee	3	1000	11-17-80
8	Dairyland Power Cooperative	Dairyland Power Coop.	2	1000	10-24-80
9	Philadelphia Electric Co.	Peach Bottom (BWR)	8	4000	9-11-80
10	Maine Yankee Atomic Co.	Maine Yankee	2	1000	11-19-80
11	Mill Power Supply Co. (Duke Power)	McGuire Nuc. Station	6	2000	10-17-80
12	Wisconsin Electric Power Co.	Point Beach	5	3200	10-20-80
13	Northern States Power	Monticello (BWR)	2	1000	10-31-80
14	Northern States Power	Prairie Island	5	1500	9-26-80
15	Power Authority/State of NY	James A. Fitzpatrick(BWR)	2	1000	12-22-80
16	Northeast Utilities	Millstone II	3	1500	9-8-80
17	Northeast Utilities	Connecticut Yankee	3	1500	9-8-80
18	Northeast Utilities	Millstone I	3	1500	10-24-80
19	Commonwealth Edison	La Salle 1 & 2 (BWR)	4	2000	8-27-80
20	Commonwealth Edison	Zion 1 & 2	5	2500	10-24-80
				2500	11-6/80

Item	Customer	Station	Quantity Cable	Length (ft)	Date Shipped
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 Kraftwerke	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	5200	3-18- 80
		TOTAL SHIPPED:		68442	

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9	Philadelphia Electric Co.	Peach Bottom (BWR)	8	4000	9-11-80
10	Maine Yankee Atomic Co.	Maine Yankee	2	1000	11-19-80
11	Mill Power Supply Co. (Duke Power)	McGuire Nuc. Station	6	2000	10-[illegible]-80
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PART 21 IDENTIFICATION NO. 81-430-000 COMPANY NAME General Atomic

DATE OF LETTER 5/15/81 DOCKET NO. —

DATE DISTRIBUTED _____ ORIGINAL REPORT ☑ SUPPLEMENTARY ☐

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ASLBP E/W 450

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AEOD MNB 7602

C/EOD/DMU MNB 7217

ASLBP E/W 450

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CENTRAL FILES (CHRON)

CENTRAL FILES SS-395

PDR

LPDR

TERA

ACTION:

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

IE ☐ NRR ☐ NMSS ☐ OTHER ☐

EES

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REV. 8/1/80