



*Dan Carl Berlinger*

**THE ROCKBESTOS COMPANY**  
285 NICOLL STREET, P.O. DRAWER 1102, NEW HAVEN, CT 06504 (203) 772-2250

*For Part 21  
system*

November 6, 1989

Director, Office of Nuclear Material Safety  
and Safeguards  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Gentlemen:

This will provide written notification of a defect in Rockbestos electrical cable supplied to Consumers Power Company, Palisades Nuclear Plant.

Although the defect is uniquely applicable to one component item only, and disposition of all affected material has been accomplished, we have determined that the matter is reportable under 10 CFR part 21.

The following information is supplied in accordance with the requirements of 10 CFR 21.

1. Name and address of individual informing the Commission:

G. G. Littlehales  
The Rockbestos Company  
285 Nicoll Street  
New Haven, CT 06511

2. Identification of the basic component which contains a defect:

Special purpose 600V 90°C shielded 2/C #12 AWG control cable, Rockbestos product code C48-4042. Reel #N07360627, 2,612 feet shipped in one length to Palisades Nuclear Plant under Consumers Power Company purchase order #2003-7120-Q.

3. Identification of the firm supplying the basic component:

The Rockbestos Company

4. Nature of the defect and the safety hazard which could be created:

Nature of defect: Incorrect shield material. The purchase order specified a #34 AWG tinned copper braided shield, whereas the item was supplied with a #34 AWG stainless steel braided shield.

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Potential hazard: Due to the higher electrical resistance of stainless steel compared to tinned copper, the shield of the affected cable in installed lengths exceeding 200 feet might fail to provide an effective grounding path for a short circuit flowing into the cable. The short circuit might therefore affect the operation of the involved valve control circuit resulting in improper functioning of the valve.

5. The date on which information of such defect was obtained:

On the basis of our evaluation it was determined on November 6, 1989 that a defect as defined by 10 CFR 21 existed. This determination was preceded by discussions with Consumers Power Company personnel on October 24, 1989 and November 2, 1989.

6. The number and location of all affected components:

This component is a unique special purpose construction manufactured only for Consumers Power Company. The total quantity of affected material is 2,612 feet.

The affected material is located at Palisades Nuclear Plant, Covert, Michigan.

7. The corrective action which has been, is being, or will be taken. The name of this organization responsible for the action, and the length of time that will be required to complete the action:

Consumers Power has identified and dispositioned the affected cable on site.

Rockbestos has shipped replacement cable and has authorized return of the remaining defective cable.

This corrective action is complete.

Director, Office of Nuclear Material Safety  
and Safeguards

November 6, 1989

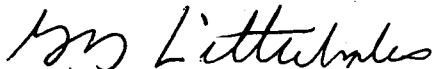
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8. Advice related to the defect that has been or will be given to purchasers.

No further advice to purchasers is necessary. All affected material is located at Palisades Nuclear Plant and is under the control of Consumers Power Company.

The Rockbestos contact on this matter at Palisades Nuclear Plant is Mr. John Buechler, Materials Management Superintendent.

Very truly yours,



G. G. Littlehales  
Quality Assurance Manager

GGL/saw

cc: Mr. John Buechler, Consumers Power Co.  
S. J. Bond  
G. S. Klein  
S. S. Nelmes  
M. P. Mennone

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