



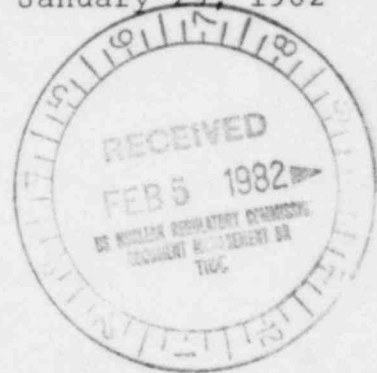
Wisconsin Electric POWER COMPANY

231 W. MICHIGAN, P.O. BOX 2046, MILWAUKEE, WI 53201

January 29, 1982

Mr. H. R. Denton, Director
Office of Nuclear Reactor Regulation
U. S. NUCLEAR REGULATORY COMMISSION
Washington, D. C. 20555

Attention: Mr. R. A. Clark, Chief
Operating Reactors, Branch 3



Gentlemen:

DOCKET NOS. 50-266 AND 50-301
REQUESTED ADDITIONAL INFORMATION ON ENVIRONMENTAL
QUALIFICATION OF SAFETY-RELATED ELECTRICAL EQUIPMENT
POINT BEACH NUCLEAR PLANT, UNITS 1 AND 2

In a January 7, 1982 letter to Wisconsin Electric from Mr. Robert A. Clark, additional information was requested regarding the environmental qualification of safety-related electrical equipment at Point Beach Nuclear Plant, Units 1 and 2. It was requested that a number of references contained in our Environmental Qualification (EQ) Central File be sent to Franklin Research Center (FRC), an NRC subcontractor, for evaluation with only a copy of the cover letter sent to the NRC staff.

The October 24, 1980 Order for Modification of License Regarding Environmental Qualification of Safety-Related Electrical Equipment issued to Wisconsin Electric for the Point Beach Nuclear Plant requires that "complete and auditable records must be available and maintained at a central location ...". Wisconsin Electric does not believe it is appropriate that we send our Corporate EQ files to the NRC or to a NRC subcontractor. These files are, of course, available for audit by the NRC at anytime. However, in this one case in order to expedite the review and evaluation of the equipment qualification status of our Point Beach Nuclear Plant, we are sending copies of most of the requested information to FRC (see enclosed list of requested references). Two of the references listed (items p and z) are not being sent to FRC due to their proprietary nature; these two references are available, however, for audit by the NRC or FRC staffs at our Corporate offices at anytime. We ask that the references

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Mr. H. R. Denton

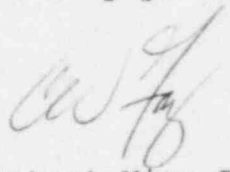
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sent to FRC not be reproduced, and that they be used strictly for the purpose stated in Mr. Clark's letter. We further ask that these references be returned to Wisconsin Electric promptly upon completion of FRC's review.

We would be pleased to answer any questions you may have regarding the information sent to FRC.

Very truly yours,



Assistant Vice President

C. W. Fay

Enclosure

Copies to NRC Resident Inspector
C. J. Crane (FRC) (With references)

Date Received by FRC**

- a. Qualification of NAMCO Controls Limit Switch Model EA-180 to IEEE Standards 344 ('75), 323 ('74), and 382 ('72), Revision 1, ACME-Cleveland Development Co., Highland Heights, Ohio, March 3, 1978.
- b. Estimation of Qualified Life of EA180 Series Nuclear Switch, Revision Dated February 27, 1980, NAMCO Controls, Cleveland, Ohio.
- c. Test Plan for the Qualification of Series EA180 and EA740 Switches For Use in Nuclear Power Plants in Compliance with IEEE Standards 323-74, 382-72, and 344-75, Revision 1, July 26, 1979, NAMCO Controls, Cleveland, Ohio.
- d. Bechtel Letter From D. E. Clark to D. K. Porter Dated June 1980, NAMCO Position Switches.
- e. Westinghouse Letter From R. L. Korner to W. F. Geisheker with the Following Attachments, Dated May 22, 1978, Qualification Data for the Point Beach Nuclear Power Plant Units 1 and 2.
- f. ETL Report 5261 Reports of Seismic Tests on Electrical Penetrations
- g. Test Report on Incident Testing of Triax Penetration
- h. ETL Report 5275
- i. WEPCO Letter From R. L. Cantrell to T. J. Rodgers Dated March 1, 1974, Electrical Penetrations Point Beach Nuclear Plant.
- j. WEPCO Letter From R. L. Cantrell to Roger Newton Dated April 15, 1968, Electrical Penetrations.
- k. Westinghouse Letter From C. A. Lins to R. K. Hanneman Dated June 2, 1980, Point Beach Nuclear Plant Bulletin 79-01B Motor Qualification.

Date Received by FRC**

- l. Westinghouse Letter WFP-78-581 From R. L. Kelly to W. F. Geisheker With Attachments Dated June 28, 1978, Qualification of Containment Electrical Penetration Safeguards Splices.
- m. Westinghouse Teletype PBW-B-3070 From N. E. Bush to J. K. Leslie of Bechtel Dated February 5, 1970, Splicing Information.
- n. Bechtel Letter From H. E. Morris to W. F. Geisheker With Attachments Dated April 27, 1978, Point Beach Nuclear Plant, Containment Electrical Penetration Splices.
 1. Bechtel Drawing SK-E-165, Splicing Requirements for Penetration Lead Wires.
 2. Bechtel Chronological List of Correspondence.
 3. Bechtel Letter PBW-W 27889C From J. K. Leslie to W. B. Henderson of Westinghouse With Attachments Dated February 10, 1970, Penetration Splices.
 4. Bechtel Letter From J. K. Leslie to W. B. Henderson of Westinghouse With Attachments Dated March 3, 1970, Penetration Splices.
 5. Westinghouse Teletype PBW-B-3179 From N. E. Bush to J. K. Leslie of Bechtel Dated March 5, 1970, Safeguard Cable Splices in the Containment.
 6. Westinghouse Teletype PBW-B-3211 From N. E. Bush to J. K. Leslie of Bechtel Dated March 13, 1970, Containment Safeguards Splices.

Date Received by FRC**

7. Bechtel Letter PBB-W-2905 From J. K. Leslie to W. B. Henderson of Westinghouse Dated March 17, 1970, Splices for Safeguards Cables Inside Containment.
- o. Boston Insulated Wire and Cable Co. Letter Dated April 23, 1980 From L. S. Lisker to R. K. Hanneman.
- p. Report IPS-348, Test Report - Steam Line Break/LOCA Exposure of Field Cables and Terminal Blocks For American Electric Power, Conax Corporation, Buffalo, New York, May 1978.
- q. Qualification Type Test Report, Limitorque Valve Actuators For Class IE Service Outside Primary Containment, Limitorque Corporation Test Laboratory, Lynchburg, Virginia, June 7, 1976.
- r. Robert O. Bolt and James G. Carroll, California Research Corporation, Radiation Effects on Organic Materials, Richmond, California, Academic Press, New York, 1963.
- s. Westinghouse Letter From C. A. Lins to R. K. Hanneman Dated June 2, 1980, Point Beach Nuclear Plant, Bulletin 79-01B, Motor Qualification.
- t. Westinghouse Letter From C. A. Lins to R. K. Hanneman Dated August 29, 1980, Point Beach Nuclear Power Plant Equipment Qualification NRC Bulletin 70-01B Containment Spray Pump Motors Containment Fan Cooler Motors.
- u. WEPCO Letter from R. K. Hanneman to C. A. Lines Dated September 8, 1980, Environmental Qualification of Containment Spray Pump and Component Cooling Motors at Point Beach Nuclear Plant.

Date Received by FRC**

- v. Westinghouse Letter from C. A. Lins to R. K. Hanneman Dated October 7, 1980, Point Beach Nuclear Plant Environmental Qualification of Containment Spray Pump and Component Cooling Pump Motors at Point Beach Nuclear Plant, With Attachment: Westinghouse Research Report 71-1C2-RADMC-R1, Proprietary Class 2, Dated December 31, 1970 (Revised April 10, 1971), The Effect of Radiation on Insulating Materials Used in Westinghouse Medium Motors, by John Bartks, Westinghouse Research Laboratories.
- w. Foxboro Letter from G. Tennsen to R. K. Hanneman Dated August 5, 1980, Resistance Temperature Detectors.
- x. Amoco Oil Company Letter From T. M. Warne Dated September 15, 1980, Radiation Resistance of Amoco Oil Lubricants, Project 4210 With Attachment: The Effects of Radiation of Lubricants on Nuclear Generating Stations, by James S. Ferrie, Paul Leinonen, Dr. B. Neil, and E. Wharton (Ontario Hydro Research Division), for presentation at ASLE 35th Annual Meeting, Anaheim, California, May 1980.
- y. Mobil Oil Letter From J. Kestly to R. K. Hannman Dated October 13, 1980, Radiation Information Wisconsin Electric Power, With Attachments for Radiation Test Data of Mobilgrease 28.
- z. Kerite Letter From R. A. Olson to R. K. Hanneman Dated October 22, 1980 With Attachment: Point Beach Nuclear Plant, Wisconsin Electric Power Company, LOCA Qualification of Kerite 6000 Volt HTK Insulated FR Jacketed Power Cable.
- aa. Rome Cable Corporation Letter From D. D. Sand to R. K. Hanneman Dated April 9, 1980.

Date Received by FRC**

- bb. Rome Cable Corporation Letter from
D. D. Sand to P. R. Belhumeur Dated
March 19, 1971.
- cc. WEPCO Letter From R. L. Cantrell to A.
A. Simmons, Project Manager -
Westinghouse Dated September 9, 1968,
Point Beach Nuclear Plant Electrical
Penetration.
- dd. Westinghouse Letter From A. A. Simmons
to Glenn A. Reed Dated October 8, 1968,
Point Beach Nuclear Plant Electrical
Penetrations.
- ee. Westinghouse Tube Division, Electrical
Penetrations Quality Control Production
Record Sheet, and Attachments.
- ff. Crouse-Hinds Company Drawings Nos.
0100349, 0100382, 0100411, 0100334,
0100044.
- gg. Westinghouse Letter From R. L. Korner
to W. F. Geisheker with Attachments
Dated July 28, 1978, Point Beach
Nuclear Plant Qualification of
Containment Electrical Penetration
Safeguards Splices.
1. PEN-TR-78-45, Boric Acid Effect on
Medium Voltage Ceramic Seal-Bushing.
 2. PEN-TR-78-11, Statement of Effect
of Borated Water on Westinghouse
Penetrations for the Angra Nuclear
Plant.
 3. Brunswick Nuclear Plant Drawing
Nos. E-2457, E-2453, E-2452.
 4. WEP, WIS Drawing Nos. 31402, 31396,
31400, 150-31393, 150-31394,
150-31396.
- hh. Instruction Manual and Parts List,
Fisher Controls Type 546 Electro-
Pneumatic Transducer, Fisher Controls
Co., Marshalltown, Iowa, November 1968.

Date Received by FRC**

- ii. Fisher Controls Letter From Bill R. Flowers of W. D. Ehrke Co., Inc., to R. K. Hanneman Dated September 29, 1980, Point Beach Nuclear Plant Environmental Qualification of Fisher Components.
- jj. Okonite Company Letter From J. S. Lasky to R. K. Hanneman Dated May 9, 1980 With Attachment.
- kk. Lancaster, Ron, Qualification of Safety-Related Equipment Used in Nuclear Power Generating Stations Including the Effects of Aging, Reliability Conference for the Electric Power Industry, 1980.
- ll. Rockbestos Company Letter From Robert J. Gahn to Paul Katers of Wisconsin Electric Dated July 28, 1980 With Enclosure.
- mm. Qualification of Firewall III Class IE Electric Cables (Irradiation Cross-Linked Insulation), The Rockbestos Company, New Haven, Connecticut, June 7, 1978.
- nn. Proute, R. W., Qualification of Firewall III Coaxial Constructions For Class IE Service in Nuclear Generating Stations, The Rockbestos Company, New Haven, Connecticut, January 18, 1978.