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 AUTH. NAME AUTHOR AFFILIATION
 GIESLER, C.W. Wisconsin Public Service Corp.
 RECIP. NAME RECIPIENT AFFILIATION
 VARGA, S.A. Operating Reactors Branch 1

SUBJECT: Forwards remainder of addl info re environ qualification of safety-related electrical equipment: "Installed TMI Action Plan Items," per NRC 820216 & 22 requests. Updated sys component evaluation worksheets also encl.

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WISCONSIN PUBLIC SERVICE CORPORATION



P.O. Box 1200, Green Bay, Wisconsin 54305

January 17, 1983

Director of Nuclear Reactor Regulation
 Attention: Mr. S. A. Varga, Chief
 Operating Reactors Branch No. 1
 Division of Licensing
 U.S. Nuclear Regulatory Commission
 Washington, D.C. 20555

Dear Mr. Varga:

Docket 50-305
 Operating License DPR-43
 Kewaunee Nuclear Power Plant
 Environmental Qualification of Safety-Related Electrical Equipment:
"Installed TMI Action Plan Items" - Request for Additional Information

- References:
1. Letter to E. R. Mathews of WPSC from S. A. Varga of the NRC, dated February 16, 1982.
 2. Letter to E. R. Mathews of WPSC from S. A. Varga of the NRC, dated February 22, 1982.
 3. Letter to S. A. Varga of the NRC from E. R. Mathews of WPSC, dated March 18, 1982.
 4. Letter to S. A. Varga of the NRC from C. W. Giesler of WPSC, dated June 30, 1982.
 5. Letter to S. A. Varga of the NRC from C. W. Giesler of WPSC, dated August 2, 1982.
 6. Letter to S. A. Varga of the NRC from C. W. Giesler of WPSC, dated November 15, 1982.

Enclosed please find a complete list of all the documentation references cited on the individual system component evaluation worksheets (SCEWS) for the "Installed TMI Action Plan Items." Part A of this enclosure lists those references transmitted, by copy of this letter, to Franklin Research Center (FRC) while Part B lists those previously transmitted by copy of reference 3.

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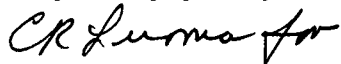
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Mr. S. A. Varga
January 17, 1983
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This provides the remainder of the outstanding information requested in reference 2 (paragraph 2 of Section B). All of the additional information requested has been transmitted per the instructions given in reference 1 (references 3, 4, 5 and 6).

This letter also transmits updated SCEWS for the "Installed TMI Action Plan Items." This submittal incorporates the most recent information and supersedes our earlier submittal of November 15, 1982 (reference 6).

Very truly yours,



C. W. Giesler
Vice President - Nuclear Power

js

Enc.

cc - Mr. Robert Nelson, NRC Resident Inspector
Mr. J. G. Keppler, Reg. Adm.
US NRC - Region III
Mr. Cyril C. Crane, Franklin Research Center

Enclosure to Letter from C. W. Giesler
To S. A. Varga

Dated January 17, 1983

"Installed TMI Action Plan Items"
Request for Additional Information

"Installed TMI Action Plan Items" - Documentation References

Part - A: References Transmitted by Copy of this Letter to FRC

- | | |
|---|---------------------|
| a) Letter to R. A. Purple of the NRC from E. W. James of WPSC, dated 2/20/76. | WPSC Reference #9 |
| b) D. G. O'Brien Report #C19QA059 W/EA letter dated 3/2/72. | WPSC Reference #27 |
| c) Based on maximum required operating time of associated components. | WPSC Reference #35 |
| d) Letter of May, 1978, Automatic Switch Company and Test Report #AQS21678/TR Rev. A. | WPSC Reference #57 |
| e) Qualification Test Report on SNUPPS Solenoid Valves, Valcor document number QR 52600-5940-2, Rev. C., 4/17/81. | WPSC Reference #81 |
| f) Conax Test Reports. | WPSC Reference #148 |
| g) D. G. O'Brien Aging Calculation | WPSC Reference #149 |
| h) EDS Report No. 04.0940-33 Radiation & Thermal Aging Evaluation of Safety Related Electrical Equipment | WPSC Reference #157 |
| i) Qualification Report QTR 105 for Namco Controls Limit Switches EA-180. | WPSC Reference #175 |
| j) Letter to Wisconsin Public Service Corporation from T. G. Surin, Surin-Westerman Ltd., dated 9/15/80. | WPSC Reference #177 |
| k) Radiation Readings in High Rad Sample Room. | WPSC Reference #179 |
| l) AMP Qualification Test Report 100-11004. | WPSC Reference #181 |
| m) Environmental Qualification - Terminal Boxes. | WPSC Reference #182 |
| n) Magnetrol B730 Level Switches Operational Time Analysis. | WPSC Reference #184 |
| o) Rockbestos Qualification of Firewall III Class 1E Electric Cables. | WPSC Reference #185 |
| p) Qualification Test Report and Procedures for Conax RTD and Thermocouple Assemblies. | WPSC Reference #196 |
| q) Thermal Aging Calculations of Brand Rex Instrument Cable. | WPSC Reference #200 |
| r) Target Rock Corp. IEEE Qual. Report No. 2375 for Solenoid Valves. | WPSC Reference #201 |

- s) Qualification of Okonite Cable. WPSC Reference #206
- t) Letter to B. S. Brierley of WPSC from M. D. Shepherd of Eberline, dated 9/28/82. WPSC Reference #207
- u) Letter to B. S. Brierley of WPSC from Brian Kidd of Limitorque Corporation, dated 11/17/82. WPSC Reference #208
- v) Okonite Test Report and Certification of Compliance. WPSC Reference #209
- w) General Atomics Qualification Report. WPSC Reference #210
- x) Valcor Solenoid Valve Qualification. WPSC Reference #213
- y) Qualification of Okozel (Tefzel) Insulated Wire and Cable. WPSC Reference #215
- z) Qualification Tests for Rosemount Pressure Transmitter Model 1152. WPSC Reference #217
- aa) Rosemount Pressure Transmitter 1152GP Operational Time Analysis. WPSC Reference #218
- bb) Engineering Analysis for ASCO 33710. WPSC Reference #222

Part-B: References Previously Transmitted to FRC

- a) Letter to E. R. Mathews of WPSC from S. A. Varga of the NRC, dated 6/18/81, enclosure 1 (SER). WPSC Reference #1
- b) FSAR Section 7.5. WPSC Reference #2
- c) FSAR Section 14.3.4. WPSC Reference #3
- d) FSAR Questions and Answers Supplement, Question 6.13.1. WPSC Reference #4
- e) Letter to M. E. Stern of WPSC from C. E. Agan of Fluor Power Services, dated 2/3/78, along with attached test reports. WPSC Reference #5
- f) Letter to C. A. Schrock of WPSC from C. E. Agan of Fluor Power Services, dated 3/13/81, and attached tables. WPSC Reference #6
- g) Letter to C. A. Schrock of WPSC from C. E. Agan of Fluor Power Services, dated 7/17/81. WPSC Reference #7
- h) Letter to E. R. Mathews of WPSC from J. G. Keppler of the NRC, dated 1/16/80, enclosure 4 (IE Bulletin No. 79-01B-DOR Guidelines). WPSC Reference #8
- i) PO K268 Book 5 KP-S-4641 letter dated 6/20/78. WPSC Reference #25
- j) PO K268 Book 5 ER 192 dated 2/21/72. WPSC Reference #26
- k) System Description No. 17 - Auxiliary Bldg. Ventilation (ACA). WPSC Reference #37
- l) System Description No. 14 - Auxiliary Bldg. Special Ventilation (ASV). WPSC Reference #38
- m) Letter to C. A. Schrock of WPSC from C. E. Agan of FPS, dated 3/16/81. WPSC Reference #39
- n) System Description No. 25 - Control Room Air Conditioning (ACC). WPSC Reference #40
- o) "Design Review of Post-Accident Plant Shielding and Equipment Radiation Qualification" prepared by FPS under Project No. 23-7127-053, dated 2/13/81, updated by a letter to K. H. Weinbauer of WPSC from C. E. Agan of FPS, dated 3/30/81. WPSC Reference #41
- p) FSAR Section 2. WPSC Reference #43
- q) FSAR Appendix H, Section 3. WPSC Reference #53
- r) Limitorque Qualification Type Test Report, 12/9/75. WPSC Reference #64

- s) Acme-Cleveland Test Report of Namco Limit Switch, Model EA-170, dated March 17, 1978. WPSC Reference #88
- t) Class IE Cables for Nuclear Generating Stations IEE Trans. on Power Apparatus and Systems PAS-03 (61), August, 1974. WPSC Reference #91
- u) Letter to C. A. Schrock of WPSC from D. F. Wheeler of FPS, dated 10/12/81. WPSC Reference #101
- v) Chemical Spray--Sodium Hydroxide Calculations. WPSC Reference #118