ATTEMENT

# REQUEST FOR ADDITIONAL INFORMATION

EQUIPMENT ENVIRONMENTAL QUALIFICATION (EEQ)
REVIEW OF LICENSEES' RESOLUTION OF CUTSTANDING ISSUES
FROM NRC EQUIPMENT ENVIRONMENTAL QUALIFICATION SAPETI
EVALUATION REPORTS (SER) AND TMI ACTION PLAN INSTALLED EQUIPMENT

Northern States Power Company Prairie Island Unit # 4 2

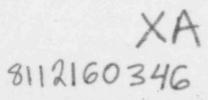
NRC Docket No. 50-366 282, - 306 NRC TAC No. 42500, 45501

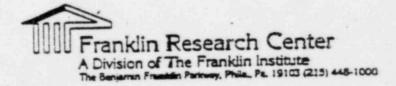
December 9, 1981

FRC mailing address is as follows:

Mr. Cyril J. Crane Pranklin Research Center The Parkway at Twentieth Street Philadelphia, PA 19103

Telephone No. 215/448-1353 Telecopy No. 215/448-1296 Telecopy Confirmation No. 215/448-1215





#### BACKGROUND

tance to the U.S. Nuclear Regulatory Commission (NRC) for the equipment environmental qualification (EEQ) review of operating reactors. FRC will perform an EEQ review of the Licensee's 90-day response to outstanding issues from the NRC Equipment Environmental Qualification Safety Evaluation Report (SER), and the Safety-related equipment potentially exposed to a harsh environment. The results will be presented in the form of a technical evaluation report for each plant.

This request for additional information (RFI) is the result of an evaluation of the information provided by letters dated October 11, 1980 [1] and August 26, 1981 [2].\*

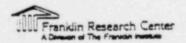
A. FRC REVIEW OF THE LICENSEE'S 90-DAY RESPONSE TO THE MRC EEO SER

## Information Requested

Date Received by FRC\*\*

- FRC requests the LOCA/HELB profiles, for inside and outside containment, described on page 4 of Reference 2.
- 2. In reference to the Licensee's 90-day response [2] to the NRC SER [3], a legible single copy of each of the following qualification documents is requested in order that the FRC evaluation may proceed:
  - a. Okonite Company Letter to A. Smith (NSP) August 31, 1978 (A.24.6)\*\*\*
  - Kerite Company Report KPT-LVC-1 April 13, 1977 (proprietary) (A.24.8)

<sup>\*\*\*</sup>Numbers in parentheses refer to the Licensee's SCEW sheet numbers.



<sup>\*</sup>Numbers in brackets refer to citations found in the list of references.

\*\*This column will be completed by FRC as the requested information is received.

### Date Received by PRC

:: 1 and 2

- c. Barton Test Report No. R3-288A-1 October 1979 (A.21.1)
- d. GE, "Insulating Materials Product Data
  74010A Epoxy Resin and 74010 Epoxy
  Catalyst," March 24, 1964, and "Effect of
  Radiation on Materials"
  (A.24.4)
- e. ACME-Cleveland Development Co.
  Qualification of NAMCO Controls Limit
  Switch Model EA-170, Rev. 1
  July 24, 1978
  (A.6.5, A.6.9, A.17.2)
- f. ACME-Cleveland Development Co. Test Plan August 31, 1977 (A.16.6, A.12.6, A.12.7, A.2.3, A.2.4, A.4.4, A.6.3, A.6.4, 6.6, 14.3, A.15.1, A.15.2, A.16.8, A.19.5, A.19.6)
- g. "Comparative Heat Resistance of Rypalon and Neoprene," by K. Whitlock Elastomers Research Division of DuPont (A.24.9)
- h. EDS Calculation File Nos. 0910-204EQ-01 0910-205-Okonite-01 0910-205-Kerite 0910 205-BIW-01
- i. EDS Report Nos. 04-0910-13, June 1981 04-0910-07, June 1981
- j. J. M. Allen (Mobil Oil) Letter to J. Sorenson (NSP) February 7, 1980 (A.24.2)
- k. D. R. Jones (Chevron USA, Inc.) Correspondence with A. Smith (NSP) October 30, 1979 (A.24.3)
- 1. R. E. Shoults (Westinghouse)

  Letter to G. A. Reed (Wis-Minn Power)

  January 19, 1977

  (A.24.3)

### Date Received by FRC\*\*

- m. H. C. Lauroesch (CE)

  Correspondence with J. King (GE)

  August 7, 1978

  (A.24.4)
- n. GE Letter to A. Smith (NSP)
  November 21, 1978 (Attachment)
  (A.24.4)
- O. Robert Kantner (NAMCO) Letter to Paul T. Roska (NSP) November 18, 1980 (A.6.5, A.6.9)
- P. Nuclear Radiation and Switch Applications October 7, 1974 (A.6.7)
- q. Honeywell Catalog 50, p. E-2 (A.6.7)
- r. B. Bondow (E-M)
  Letter to J. Sorenson (NSP)
  March 25, 1980
  (A.7.1)
- S. NSC Letter to NSP Component Aging Evaluation September 29, 1980 (A.7.1, A.24.1)
- t. Okonite Company Test Procedure sent to Mr. Altrecht (NSP) on April 20, 1978 (A.24.6)

#### REFERENCES

- 1. D. E. Gilberts, L. O. Mayer
  Letter to J. G. Keppler, NRC.
  Subject: Pinal Response to IE Bulletin 79-01B, Prairie
  Island Nuclear Generating Plant
  Northern States Power Company, 31-Oct-80
- 2. D. O. Mayer
  Letter to NRC. Subject: Prairie Island Nuclear
  Generating Plant Response to IE Bulletin 79-01B
  Safety Evaluation Report
  Northern States Power Company, 26-Aug-81
- 3. Office of Nuclear Reactor Regulation
  Safety Evaluation Report for Prairie Island Units 1 and 2
  Environmental Qualification of Safety-Related
  Electrical Equipment
  NRC, 12-May-81