



RELATED CORRESPONDENCE

UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555

March 29, 1985

RECEIVED  
MAR 30 1985

'85 MAR 12 10:51

Docket No. 50-289SP

Mr. Henry D. Hukill, Vice President  
and Director - TMI-1  
GPU Nuclear Corporation  
P. O. Box 480  
Middletown, Pennsylvania 17057

Dear Mr. Hukill:

SUBJECT: ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT IMPORTANT TO  
SAFETY - EXTENSION OF DEADLINE

Section 50.49(g) of 10 CFR Part 50 requires that each holder of an operating license issued prior to February 22, 1983, shall by May 20, 1983, identify the electrical equipment important to safety within the scope of this section already qualified and submit a schedule for either the qualification to the provisions of this section or for the replacement of the remaining electrical equipment important to safety within the scope of this section. This schedule must establish a goal of final environmental qualification of the electrical equipment within the scope of this section by the end of the second refueling outage after March 31, 1982, or by March 31, 1985, whichever is earlier. The rule also provides that the Director of the Office of Nuclear Reactor Regulation may grant requests for extension of this deadline to a date no later than November 30, 1985, for specific pieces of equipment if these requests are filed on a timely basis and demonstrate good cause for such an extension, such as procurement lead time, task complications and installation problems. In addition, 10 CFR 50.49(h) provides that each licensee shall notify the Commission of any significant equipment problem that may require extension of the completion date provided in paragraph (g) of this section within sixty days of its discovery.

As required by 10 CFR 50.59(g), you provided a submittal dated May 20, 1983 which stated that no extension would be needed to the March 31, 1985 deadline for environmental qualification of electrical equipment. However, the staff was unable to concur in your position and by letter dated May 25, 1984, requested additional information. After further NRC staff review, audits and discussions with your staff, your submittal dated December 11, 1984 identified nine (9) items of equipment that were not qualified. Subsequently, seven (7) of these items were qualified by replacement or testing, leaving two items which could not be qualified by the March 31, 1985 deadline. Your schedular extension request dated February 12, 1985 was supplemented by additional explanation of your JIOs for these two items dated March 25, 1985. The two items are discussed below.

Henry D. Hukill

-2-

The incore thermocouple extension cable and connector provides core outlet temperature from 52 locations in the outlet plenum of the fuel assemblies. You believe that the cables/connectors can be shown to be qualified and tests are underway for this purpose. If the cables/connectors fail the qualification tests, the cables/connectors will be replaced with qualified cable. The tests are scheduled to be completed in May 1985 and concurrent procurement of qualified replacement cable/connectors is expected to take up to 30 weeks. In the interim, alternate qualified instrumentation is available.

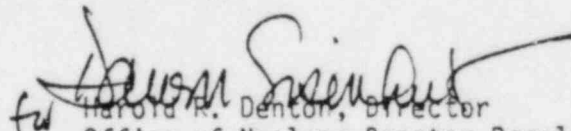
The high range radiation monitoring instrument is qualified but the cable and connector assembly from the two Victoreen detectors located inside containment to the containment penetration has not been demonstrated to be fully qualified. The cable and connector assembly is to be replaced by qualified equipment which has been ordered and is scheduled to be delivered within about 15 weeks. In the interim, the existing dome monitor will be available for immediate post-accident monitoring based on TMI-2 experience, and the containment atmosphere post accident sampling system will be available for the longer term monitoring.

We have reviewed the submittals of February 12 and March 25, 1985 and conclude that the requests for extension is timely and within the scope of 10 CFR 50.49(g) and that the licensee has shown good cause for the extension. We have reviewed the JIOs and conclude that they are sufficient to support operation during the requested extension period.

We also find that extending the implementation date until November 30, 1985 is acceptable and that operation until that time will not adversely affect the public health and safety.

Your request for a scheduler extension under 10 CFR 50.49 is hereby granted.

Sincerely,

*for*   
Harold R. Denton, Director  
Office of Nuclear Reactor Regulation

cc: See next page

GPU Nuclear Corporation

-1-

50-289, TMI-1

Mr. R. J. Toole  
O&M Director, TMI-1  
GPU Nuclear Corporation  
Middletown, Pennsylvania 17057

Board of Directors  
P. A. N. E.  
P. O. Box 268  
Middletown, Pennsylvania 17057

Docketing and Service Section  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

Chauncey Kepford  
Judith H. Johnsrud  
Environmental Coalition on Nuclear Power  
433 Orlando Avenue  
State College, Pennsylvania 16801

Judge Reginald L. Gotchy  
Atomic Safety & Licensing Appeal Board  
U. S. Nuclear Regulatory Commission  
Washington, DC 20555

Mr. Thomas E. Murley, Regional Administrator  
U. S. N. R. C., Region I  
631 Park Avenue  
King of Prussia, Pennsylvania 19406

ANGRY/TMI PIRC  
1037 Maclay Street  
Harrisburg, Pennsylvania 17103

John Levin, Esq.  
Pennsylvania Public Utilities  
Commission  
Box 3265  
Harrisburg, Pennsylvania 17120

Marvin I. Lewis  
6504 Bradford Terrace  
Philadelphia, Pennsylvania 19149

Jordan D. Cunningham, Esq.  
Fox, Farr and Cunningham  
2320 North 2nd Street  
Harrisburg, Pennsylvania 17110

Ms. Louise Bradford  
TMIA  
1011 Green Street  
Harrisburg, Pennsylvania 17102

Mrs. Marjorie M. Aamodt  
Mr. Norman Aamodt  
200 North Church Street  
Parkesburg, Pennsylvania 19365.

Earl B. Hoffman  
Dauphin County Commissioner  
Dauphin County Courthouse  
Front and Market Streets  
Harrisburg, Pennsylvania 17101

Ellyn R. Weiss  
Harmon, Weiss & Jordan  
2001 S. Street  
Suite 430  
Washington, DC 20009

Ivan W. Smith, Esq., Chairman  
Atomic Safety and Licensing Board  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555

Gary J. Edles, Chairman  
Atomic Safety & Licensing Appeal  
Board  
U.S. Nuclear Regulatory Commission

General Counsel  
Federal Emergency Management Agency  
ATTN: Docket Clerk  
1725 I Street, NW  
Washington, DC 20472

Karin W. Carter, Esq.  
505 Executive House  
P. O. Box 2357  
Harrisburg, Pennsylvania 17120

Mr. Thomas M. Gerusky, Director  
Bureau of Radiation Protection  
Pennsylvania Department of

G. F. Trowbridge, Esq.  
Shaw, Pittman, Potts & Trowbridge  
1800 M Street, N.W.  
Washington, DC 20036

Richard J. McGoeey  
Manager, PWR Licensing  
GPU Nuclear Corporation  
100 Interpace Parkway  
Parsippany, New Jersey 07054

Ad Crable  
Lancaster New Era  
8 West King Street  
Lancaster, Pennsylvania 17602

Dr. David Hetrick  
Professor of Nuclear Energy  
University of Arizona  
Tucson, Arizona 85721

Mr. David D. Maxwell, Chairman  
Board of Supervisors  
Londonderry Township  
RFD#1 - Geyers Church Road  
Middletown, Pennsylvania 17057

Regional Radiation Representative  
EPA Region III  
Curtis Building (Sixth Floor)  
6th and Walnut Streets  
Philadelphia, Pennsylvania 19106

Mr. Richard Conte  
Senior Resident Inspector (TMI-1)  
U.S.N.R.C.  
P. O. Box 311  
Middletown, Pennsylvania 17057

Ms. Jane Perkins  
City Government Center  
10 North Market Square  
Harrisburg, Pennsylvania 17101

Dr. James Lamb  
313 Woodhaven Road  
Chapel Hill, North Carolina 27514

Dauphin County Office Emergency  
Preparedness  
Court House, Room 7  
Front & Market Streets  
Harrisburg, Pennsylvania 17101

Christine N. Kohl, Esq.  
Atomic Safety & Licensing Appeal  
Board  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555

Mr. Robert R. Borsum  
Babcock & Wilcox  
Nuclear Power Generation Division  
Suite 220, 7910 Woodmont Avenue  
Bethesda, Maryland 20814

Mr. Gustave A. Linenberger, Jr.  
Atomic Safety and Licensing Board  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555

Mr. C. W. Smyth  
TMI-1 Licensing Manager  
GPU Nuclear Corporation  
P. O. Box 480  
Middletown, Pennsylvania 17057

Governor's Office of State Planning  
and Development  
ATTN: Coordinator, Pennsylvania  
State Clearinghouse  
P. O. Box 1323  
Harrisburg, Pennsylvania 17120

Sheldon J. Wolfe, Esq., Chairman  
Atomic Safety & Licensing Board  
Washington, DC 20555

Jane Lee  
183 Valley Road  
Etters, Pennsylvania 17319

Bruce Molholt  
Haverford College  
Haverford, Pennsylvania 19041



GPU Nuclear Corporation

-3-

Michael McBride, Esq.  
LeBoeuf, Lamb, Leiby & McRae  
Suite 1100  
1333 New Hampshire Avenue, N.W.  
Washington, DC 20036

Beverley Davis  
200 Gettysburg Pike  
Mechanicsburg, Pennsylvania 17055

James B. Hurst  
617 Briarcliff Road  
Middletown, Pennsylvania 17057

Donald E. Hossler  
501 Vine Street  
Middletown, Pennsylvania 17057