

November 19, 1985

DMB 016

Docket No. 50-289

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

Dear Mr. Hukill:

SUBJECT: EFFECTS OF MOVING TMJ UNIT 2 FUEL ON THE UNIT 1 SIDE  
OF THE FUEL HANDLING BUILDING

By letter from Mr. Denton to Mr. Hukill dated October 2, 1985, TMJ-1 was permitted to resume operation subject to conditions imposed in the restart proceeding. One of these conditions concerns the movement of Unit 2 fuel in the fuel handling building (FHB) and reads as follows:

During any Unit 2 fuel movements in the fuel handling building, GPU Nuclear Corporation shall suspend work in the Unit 1 area of that building, unless GPU Nuclear Corporation has submitted to the NRC for its review specific written procedures for the planned movements of Unit 2 fuel and an evaluation of the potential impacts of those fuel movements on personnel working in the Unit 1 area of the building and the NRC has agreed that the potential impacts of the planned Unit 2 fuel movements on personnel working in the Unit 1 area of the building do not require that work in the Unit 1 area of the building be suspended. LBP-82-27, 15 NRC 747, 755 (1982).

By letter dated November 12, 1985 from Dr. Travers, Acting Director of the TMJ Program Office, to Mr. Standerfer, Vice President/Director TMJ-2, the staff reviewed and approved the planned movement of fuel from the Unit 2 reactor to the fuel handling building via special canisters. This SER implied but did not specifically state that this planned fuel movement does not require that work in the Unit 1 area of the fuel handling building be suspended. The purpose of this letter is to confirm that for the present evolution of moving Unit 2 fuel, suspension of work on the TMJ-1 side of the FHB is not required.

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This conclusion is based on (1) NRC staff review and approval of specific TMJ-2 fuel movement procedures (required per TMJ-2 Technical Specification 6.8.2), and (2) NRC staff evaluations of early TMJ-2 defueling activities, including potential impacts, proposed by GPUN. Our evaluations indicate that the likelihood of a detrimental impact resulting from TMJ-2 fuel movements in the FHB is small. Even if a worse case accident (i.e., canister drop and rupture) were assumed to occur, the impacts would not adversely affect personnel in any area of the FHB. Releases of radioactive material postulated from such an accident would either be contained and shielded by water in the flooded fuel pool or be too small (i.e., Krypton-85 gas) to pose a significant hazard to personnel in the FHB.

It is our intent that future safety evaluations covering the movement of Unit 2 fuel in the FHB explicitly review the effect on the Unit 1 side of the FHB and thereby address this condition of operation for TMJ-1.

Sincerely,

APPROVED AND SIGNED BY  
JOHN F. STOLZ

John F. Stolz, Chief  
Operating Reactors Branch #4  
Division of Licensing

cc: See next page

11/19/85  
I called R. Conli, the senior resident at TMJ-1,  
I told him generally about this letter and he  
was glad to know it was being issued. JOT

ORB#4:DL  
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ORB#4:DL  
JStolz  
11/19/85

Mr. Henry D. Hukill  
GPU Nuclear Corporation

Three Mile Island Nuclear Station  
Unit No. 1

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

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

Richard J. McGoey  
Manager, PWR Licensing  
GPU Nuclear Corporation  
100 Interpace Parkway  
Parsippany, New Jersey 70754

Regional Administrator, Region I  
U.S. Nuclear Regulatory Commission  
631 Park Avenue  
King of Prussia, Pennsylvania 19406

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

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

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

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

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

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

Sheldon J. Wolfe, Esq., Chairman  
Atomic Safety and Licensing Board  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

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

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

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

Dr. James Lamb, III  
Administrative Judge  
313 Woodhaven Road  
Chapel Hill, North Carolina 17514

Mr. Thomas M. Gerusky, Director  
Bureau of Radiation Protection  
Pennsylvania Department of  
Environmental Resources  
P. O. Box 2063  
Harrisburg, Pennsylvania 17120

Mr. David Hetrick  
Administrative Judge  
Professor of Nuclear Energy  
University of Arizona  
Tucson, Arizona 85721

## cc:

Thomas Y. Au, Esq.  
Office of Chief Counsel  
Department of Environmental Resources  
505 Executive House  
P. O. Box 2357  
Harrisburg, Pennsylvania 17120

Mr. Bob Stein, Director of Research  
Committee on Energy  
P. O. Box 11867  
104 Blatt Building  
Columbia, South Carolina 29211

Ms. Jane Lee  
183 Valley Road  
Etters, Pennsylvania 17319

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

Ms. Louise Bradford  
TMJA  
315 Pepper Street  
Harrisburg, Pennsylvania 17102

Mr. Marvin I. Lewis  
6504 Bradford Terrace  
Philadelphia, Pennsylvania 19149

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

Mr. Donald E. Hossler  
501 Vine Street  
Middletown, Pennsylvania 17057

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

Sen. Allen R. Carter, Chairman  
Joint Legislative Committee on Energy  
P. O. Box 142  
Suite 513  
Senate Gressette Building  
Columbia, South Carolina 29202

Ms. Frieda Berryhill, Chairman  
Coalition for Nuclear Power Plant  
Postponement  
2610 Grendon Drive  
Wilmington, Delaware 19808

William S. Jordan, III, Esq.  
Harmon, Weiss & Jordan  
20001 S Street, N.W.  
Suite 430  
Washington, D.C. 20009

Lynne Bernabei, Esq.  
Government Accountability Project  
1555 Connecticut Ave., N.W.  
Washington, D.C. 20009

Michael W. Maupin, Esq.  
Hunton & Williams  
707 East Main Street  
P. O. Box 1535  
Richmond Virginia 23212

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

Ms. Ellyn R. Weiss  
Harmon, Weiss & Jordan  
2001 S Street, N.W.  
Suite 430  
Washington, D.C. 20009



cc:

Atomic Safety & Licensing Board Panel  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Atomic Safety & Licensing Appeal  
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U.S. Nuclear Regulatory Commission  
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