

DISTRIBUTION:

DN 50-320
NRC PDR
Local PDR
DCS
TMI Site r/f
TMI HQ r/f
BJSnyder
LBarrett
TPointexter
RWeller
RBeIlamy
AFasano
JWiebe
LChandler
ACRS
HRDenton
I&E
Service List

NRC/TMI 83-010
February 7, 1983

Mr. B. K. Kanga
Director, TMI-2
GPU Nuclear Corp.
P. O. Box 480
Middletown, PA 17057

Dear Mr. Kanga:

In response to your letter, 4410-83-L-0024, dated January 28, 1983, the NRC has reviewed your proposal to maintain the doors in one or both reactor building airlocks open while reactor building recovery activities are in progress. We concur that unimpeded transit through the airlocks will expedite the reactor building cleanup and reduce worker exposure without substantially increasing the risk to the environment. In our assessment we concluded that the potential and consequences of an airborne release through the open airlocks are minimal and the overall effect of opening the airlocks is beneficial. Therefore, subject to our review and approval of implementing procedures, we approve the proposed action.

As stated in your letter of January 28, 1983, there is a reduction in worker exposure during transit through personnel airlock #2 when both airlock doors are open. Airlock #2 is currently used during each reactor building entry, and an immediate man-rem savings can be effected by keeping the airlock open when reactor building work is in progress. Airlock #1, the equipment hatch airlock, has not been used routinely for reactor building entries. However, the advantage of using this airlock to expedite future reactor building cleanup operations has been identified. It is anticipated that airlock #1 will be used routinely for reactor building ingress while airlock #2 will normally serve as the egress route.

Environmental safeguards associated with opening the airlocks for short periods of time have been addressed in GPU submittals, LL2-81-0192, dated August 20, 1981, and 4410-82-L-0023, dated September 16, 1982; and in the NRC Modification of Order, dated September 23, 1981, and Recovery Operations Plan Change, dated October 7, 1982. Based on data obtained during periods when airlock doors were opened for short time periods, the NRC concluded that, given appropriate procedural controls, the doors of both airlocks can remain open during work activities inside the reactor building without significantly decreasing the margin of safety to the general public or workers.

8302220030 830207
PDR ADDCK 05000320
P PDR

OFFICE ▶						
SURNAME ▶						
DATE ▶						

GPU procedural controls shall address the requirement for: (1) a continuous reactor building purge to ensure air flow into the reactor building through the airlocks after the doors are opened, (2) radiation monitoring equipment in place at each airlock and (3) personnel continuously stationed at each open airlock to close the doors expeditiously if required. Provisions will be made to minimize dust content in the air entering the reactor building through the open airlocks. GPU procedures shall also specify that: (1) radiological conditions inside the reactor building will be evaluated prior to opening the airlocks, (2) daily reactor building work schedules will be reviewed to determine whether the scheduled activities fall into the scope of the existing airlock safety evaluations, and (3) if scheduled activities have a potential for increasing airborne radioactivity or changing air flow in the reactor building, the reactor building airlocks will be closed while those activities are in progress.

Original signed by
Lake H. Barrett

Lake H. Barrett
Deputy Program Director
TMI Program Office

- cc: J. Barton
- J. Larson
- J. Theisip
- L. King
- J. Byrne
- E. Wallace

OFFICE ▶	TMI/PO	TMI/PO				
SURNAME ▶	GKanga;wa	LHBarrett				
DATE ▶	2/7/83	2/7/83				

RONALD C. HAYNES
REGIONAL ADMINISTRATOR, REGION I
U.S. NUCLEAR REGULATORY COMMISSION
431 PARK AVE.
KING OF PRUSSIA, PA. 19406

JOHN F. WOLF, ESQ., CHAIRMAN,
ADMINISTRATIVE JUDGE
3409 SHEPHERD ST.
CHEVY CHASE, MD. 20015

DR. OSCAR H. PARIS
ADMINISTRATIVE JUDGE
ATOMIC SAFETY AND LICENSING
BOARD PANEL
U.S. NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555

DR. FREDERICK J. SHON
ADMINISTRATIVE JUDGE
ATOMIC SAFETY AND LICENSING
BOARD PANEL
U.S. NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555

KARIN W. CARTER
ASSISTANT ATTORNEY GENERAL
505 EXECUTIVE HOUSE
P.O. BOX 2357
HARRISBURG, PA 17120

DR. JUDITH W. JOHNSRUD
ENVIRONMENTAL COALITION ON
NUCLEAR POWER
433 ORLANDO AVE.
STATE COLLEGE, PA 16801

GEORGE F. TROWBRIDGE, ESQ.
SHAW, PITTMAN, POTTS AND
TROWBRIDGE
1800 M. ST., NW.
WASHINGTON, DC 20036

ATOMIC SAFETY AND LICENSING BOARD PANEL
U.S. NUCLEAR REGULATORY COMMISSION
WASHINGTON, DC 20555

ATOMIC SAFETY AND LICENSING APPEAL PANEL
U.S. NUCLEAR REGULATORY COMMISSION
WASHINGTON, DC 20555

SECRETARY
U.S. NUCLEAR REGULATORY COMMISSION
ATTN: CHIEF, DOCKETING & SERVICE BRANCH
WASHINGTON, DC 20555

MR. LARRY HOCHENDONER
DAUPHIN COUNTY COMMISSIONER
P.O. BOX 1295
HARRISBURG, PA 17106-1295

JOHN E. MINNICH, CHAIRPERSON,
DAUPHIN COUNTY BOARD OF COMMISSIONERS
DAUPHIN COUNTY COURTHOUSE
FRONT AND MARKET STREETS
HARRISBURG, PA 17101

DAUPHIN COUNTY OFFICE OF EMERGENCY
PREPAREDNESS
COURT HOUSE, ROOM 7
FRONT & MARKET STREETS
HARRISBURG, PA 17101

U.S. ENVIRONMENTAL PROTECTION AGENCY
REGION III OFFICE
ATTN: EIS COORDINATOR
CURTIS BUILDING (SIXTH FLOOR)
2TH & WALNUT STREETS
PHILADELPHIA, PA 19106

THOMAS M. GERUSKY DIRECTOR
BUREAU OF RADIATION PROTECTION
DEPARTMENT OF ENVIRONMENTAL RESOURCES
P.O. BOX 2063
HARRISBURG, PA 17120

DAVID HESS
OFFICE OF ENVIRONMENTAL PLANNING
DEPARTMENT OF ENVIRONMENTAL RESOURCES
P.O. BOX 2063
HARRISBURG, PA 17120

WILLIS SIXBY, SITE MANAGER
U.S. DEPARTMENT OF ENERGY
P.O. BOX 88
MIDDLETOWN, PA 17057-0311

DAVID J. MCGOFF
DIVISION OF THREE MILE ISLAND PROGRAMS
NE-23
U.S. DEPARTMENT OF ENERGY
WASHINGTON, DC. 20545

WILLIAM LOCHSTET
104 DAVEY LABORATORY
PENNSYLVANIA STATE UNIVERSITY
UNIVERSITY PARK, PA 16802

RANDY MYERS, EDITORIAL
THE PATRIOT
812 MARKET ST.
HARRISBURG, PA 17105

ROBERT B. BORSUM
BABCOCK & WILCOX
NUCLEAR POWER GENERATION DIVISION
SUITE 220
7910 WOODMONT AVE.
BETHESDA, MD. 20814

JUDITH A. DORSEY
1315 WALNUT STREET
SUITE 1632
PHILADELPHIA, PA 19107

LINDA W. LITTLE
5000 HERMITAGE DR.
RALEIGH, NC 27612

MARVIN I. LEWIS
6504 BRADFORD TERRACE
PHILADELPHIA, PA 19149

JANE LEE
183 VALLEY RD.
ETTERS, PA 17319

J.B. LIBERMAN, ESQUIRE
BERLACK, ISRAELS, LIBERMAN
26 BROADWAY
NEW YORK, NY 10004

WALTER W. COHEN, CONSUMER ADVOCATE
DEPARTMENT OF JUSTICE
STRAWBERRY SQUARE, 14TH FLOOR
HARRISBURG, PA 17127

EDWARD O. SWARTZ
BOARD OF SUPERVISORS
LONDONDERRY TOWNSHIP
RFD #1 GEYERS CHURCH RD.
MIDDLETOWN, PA 17057

ROBERT L. KNUPP, ESQUIRE
ASSISTANT SOLICITOR
KNUPP AND ANDREWS
P.O. BOX P
407 N. FRONT ST.
HARRISBURG, PA 17108

JOHN LEVIN, ESQUIRE
PENNSYLVANIA PUBLIC UTILITIES COMM.
P.O. BOX 3265
HARRISBURG, PA 17120

HONORABLE MARK COHEN
512 E-E MAIN CAPITOL BUILDING
HARRISBURG, PA 17120