



Nr. 79-2954 Logging Date 11/1/79

NRC SECRETARIAT

TO:  Commissioner \_\_\_\_\_ Date \_\_\_\_\_  
 Exec. Dir./Oper. \_\_\_\_\_  Gen. Counsel \_\_\_\_\_  
 Cong. Liaison \_\_\_\_\_  Solicitor \_\_\_\_\_  
 Public Affairs \_\_\_\_\_  Secretary \_\_\_\_\_  
 \_\_\_\_\_

Incoming: White House Referral  
From: Helen Kirk  
Harrisburg, PA  
To: NRC Date 10/30/79  
Subject: resolution regarding TMI

- Prepare reply for signature of:
- Chairman
  - Commissioner \_\_\_\_\_
  - EDO, GC, CL, SOL, PA, SECY
  - Signature block omitted
  - \_\_\_\_\_
  - Return original of incoming with response

- For direct reply\*      Suspense: Nov 15
- For appropriate action
  - For information
  - For recommendation

marks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
For the Commission: Billie

\*Send three (3) copies of reply to Secy Mail Facility

ACTION SLIP

THE WHITE HOUSE OFFICE

REFERRAL

OCTOBER 30, 1979

ID: 057862

TO: NUCLEAR REGULATORY COMMISSION

REPLY: DIRECT REPLY, FURNISH INFO COPY

IF A DELAY OF MORE THAN 9 DAYS IS ENCOUNTERED PLEASE TELEPHONE  
456-2717. BASIC CORRESPONDENCE AND CONTROL SHEET AND COPY OF  
RESPONSE (OR DRAFT) MUST BE RETURNED TO:  
AGENCY LIAISON (ROOM 94), WHITE HOUSE.

MEDIA: LETTER, DATED OCTOBER 22, 1979.

TO: PRESIDENT CARTER

FROM: HELEN KIRK  
SECRETARY-TREASURER  
BOARD OF SUPERVISORS LOWER MANTON  
TOWNSHIP  
75 SOUTH HUCKS ROAD  
SUITE 206  
JARRISBURG, PA 17109

SUBJECT: ENCLOSED RESOLUTION REGARDING THE

BY DIRECTION OF THE PRESIDENT  
MARY MATHA SEAL  
DIRECTOR  
CORRESPONDENCE AGENCY LIAISON

PR 013-02

No. 79-2927 Logging Date 10/31/79

**NRC SECRETARIAT**

TO:  Commissioner \_\_\_\_\_ Date \_\_\_\_\_

Exec. Dir./Oper.  Gen. Counsel

Cong. Liaison  Solicitor

Public Affairs  Secretary

\_\_\_\_\_

Incoming: Helen Kirk, SECY-Treasurer

From: Bd. of Supervisors, Lower Paxton Tnsp  
Harrisburg, Pa.

To: Chairman Hendrie Date 10/22/79

Subject: Forwards resolution re: reopening of  
TMI-1 & 2

- Prepare reply for signature of:
- Chairman
  - Commissioner \_\_\_\_\_
  - EDO, GC, CL, SOL, PA, SECY
  - Signature block omitted
  - \_\_\_\_\_
  - Return original of incoming with response

- For direct reply\*
- For appropriate action
- For information
- For recommendation

Remarks: Original to Docket

*11/1/79  
10:30*

For the Commission: Combs

\*Send three (3) copies of reply to Secy Mail Facility

5/

BOARD OF SUPERVISORS  
LOWER PAXTON TOWNSHIP

SUITE 206  
75 SOUTH HOUCKS ROAD, HARRISBURG, PA. 17109  
Telephone (717) 652-8000



CHAIRMAN, FRANCIS R. MUMMERT

VICE CHAIRMAN, NORMAN P. HETRICK

MEMBER, CHARLES R. CAIN

MEMBER, ERNEST L. CORTY, JR.

MEMBER, MARK S. KNOUSE

TOWNSHIP MANAGER, JACK F. HURLEY

October 22, 1979

JW  
057862

President Jimmy Carter  
1600 Pennsylvania Avenue  
Washington, D. C. 20500

OCT 25 1979

Dear President Carter:

The Board of Supervisors of Lower Paxton Township, Dauphin County, Pennsylvania, passed a resolution presented by Member Jane D. Marfizo, that Three Mile Island Nuclear Reactors Units One and Two not be returned to operation until more comprehensive, stringent and fail-safe methods of operating the plant are developed.

The southern border of Lower Paxton Township is located nine and one-half miles from Three Mile Island and the entire Township is within twenty miles of the nuclear plant. Our community has a population of over 34,000 people and is the second largest municipality in the Harrisburg Standard Metropolitan Statistical Area. The land area is 28.575 square miles. We are only a few miles from the beautiful Susquehanna River where many of our people enjoy the scenery and the boating and swimming. We are, therefore, also opposed to the dumping of radioactive contaminated water or other material into the Susquehanna.

The Board of Supervisors several months ago authorized the creation of an Advisory Committee on Energy Conservation, which was given the task of presenting a Comprehensive Community Energy Management Plan. This plan has been prepared in a draft form with the aid of the Pennsylvania Department of Community Affairs, Bureau of Community Energy, and the Commonwealth of Pennsylvania Energy Extension Service. The plan is proposed for adoption at a public meeting to be held sometime during November, 1979. This is the first energy management plan in the area.

President Jimmy Carter

-2-

October 22, 1979

Hopefully, this information will be of interest to you because of the Three Mile Island nuclear accident and the concern of many citizens of Lower Paxton Township for energy conservation.

A copy of Resolution 79-19 adopted by the Board of Supervisors on October 8, 1979 is enclosed.

Very truly yours,



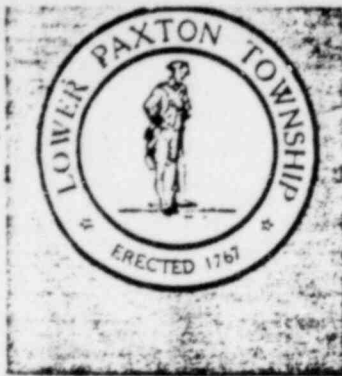
Helen K. Kirk  
Secretary-Treasurer

HKK/gk

Copies to:

Governor Richard Thornburgh  
Senator Richard Schweiker  
Senator John Heinz  
Representative Allen Ertel  
Lt. Governor William Scranton  
Joseph Hendrie, Chairman, N.R.C.  
Metropolitan Edison Co.

Enclosure



# LOWER PAXTON TOWNSHIP

*Denton*

SUITE 206  
75 SOUTH HOUCKS ROAD, HARRISBURG, PA. 17109  
Telephone (717) 652-8000

CHAIRMAN, FRANCIS R. MUMMERT  
VICE CHAIRMAN, NORMAN P. HETRICK      MEMBER, CHARLES R. CAIN  
MEMBER, ERNEST L. CORTY, JR.      MEMBER, MARK S. KNOUSE  
TOWNSHIP MANAGER, JACK F. HURLEY

October 22, 1979

Honorable Joseph Hendrie  
Chairman, Nuclear Regulatory Commission  
Washington, D. C. 20555

Dear Chairman Hendrie:

The Board of Supervisors of Lower Paxton Township, Dauphin County, Pennsylvania, passed a resolution presented by Member Jane D. Marfizo, that Three Mile Island Nuclear Reactors Units One and Two not be returned to operation until more comprehensive, stringent and fail-safe methods of operating the plant are developed.

The southern border of Lower Paxton Township is located nine and one-half miles from Three Mile Island and the entire Township is within twenty miles of the nuclear plant. Our community has a population of over 34,000 people and is the second largest municipality in the Harrisburg Standard Metropolitan Statistical Area. The land area is 28.575 square miles. We are only a few miles from the beautiful Susquehanna River where many of our people enjoy the scenery and the boating, fishing and swimming. We are, therefore, also opposed to the dumping of radioactive contaminated water or other material into the Susquehanna.

The Board of Supervisors several months ago authorized the creation of an Advisory Committee on Energy Conservation, which was given the task of presenting a Comprehensive Community Energy Management Plan. This plan has been prepared in a draft form with the aid of the Pennsylvania Department of Community Affairs, Bureau of Community Energy, and the Commonwealth of Pennsylvania Energy Extension Service. The plan is proposed for adoption at a public meeting to be held on November 19, 1979. This is the first energy management plan in the area.

*Dyed  
7911080158*

October 22, 1979

Hopefully, this information will be of interest to you because of the Three Mile Island nuclear accident and the concern of many citizens of Lower Paxton Township for energy conservation.

A copy of Resolution 79-19 adopted by the Board of Supervisors on October 8, 1979 is enclosed.

Very truly yours,

*Helen K. Kirk*

Helen K. Kirk  
Secretary-Treasurer

HKK/gl

Copies to:

President Jimmy Carter  
Governor Richard Thornburgh  
Senator Richard Schweiker  
Senator John Heinz  
Representative Allen E. Ertel  
Metropolitan Edison Co.

Enclosure



LOWER PAXTON TOWNSHIP  
BOARD OF SUPERVISORS  
DAUPHIN COUNTY, PENNSYLVANIA  
RESOLUTION 79-19

THREE MILE ISLAND NUCLEAR PLANT

WHEREAS, on Wednesday, March 28, 1979, an accident occurred at the Three Mile Island Nuclear Generating Station which subsequently caused the release of radiation into the surrounding Central Pennsylvania environment; and

WHEREAS, the citizens of Lower Paxton Township and surrounding area have been unnecessarily subjected to a very traumatic experience, exposure to radiation, and prolonged concerns about the safety and health of themselves and their families, and about the economic viability of their property; and

WHEREAS, it is obvious from the day of the accident and events thereafter that present day technical and scientific safeguards with respect to the operation of the Three Mile Island plant are insufficient and unreliable; and

WHEREAS, it is intolerable to expect the citizens of Lower Paxton Township and surrounding areas to be subjected to admitted unknown effects to radiation exposure and live with the potential risk and uncertainty of a repetition of the accident at Three Mile Island,

NOW, THEREFORE, it is hereby resolved by the Board of Supervisors of Lower Paxton Township that Three Mile Island Nuclear Reactors Units One and Two not be returned to operation or certified by

authorities as safe for operation, unless or until more comprehensive, stringent and fail-safe methods of operating the plant are developed than now exist.

BE IT FURTHER RESOLVED, that we are unequivocally opposed to the dumping of the radioactive contaminated water and any other kind of radioactive material from the Three Mile Island Nuclear Plant into the Susquehanna River and thereby further endangering the residents of Lower Paxton Township, and

BE IT FURTHER RESOLVED, that we actively support the use and development of safe alternative renewable energy sources and to promote energy conservation thereby contributing to the safety of the residents of the township, that Lower Paxton Township has a very fine Energy Management Plan the Supervisors have proposed to be adopted on which a public hearing will be held on October 30, 1979.

ENACTED INTO LAW as Resolution 79-19 this 8th day of October, 1979.

*Thomas P. Helt*  
Chairman

Vice-Chairman

*Chas. L. Cain*  
Supervisor

*Ernest L. Long*  
Supervisor

ATTEST:

*W. J. Kirk*  
Secretary

*James W. Marfino*  
Supervisor

UNITED STATES OF AMERICA  
NUCLEAR REGULATORY COMMISSION

COMMISSIONERS:

Joseph M. Hendrie, Chairman  
Victor Gilinsky  
Richard T. Kennedy  
Peter A. Bradford  
John F. Ahearne

THIS DOCUMENT CONTAINS  
POOR QUALITY PAGES

In the Matter of  
METROPOLITAN EDISON COMPANY  
(Three Mile Island Nuclear Station,  
Unit No. 1)

Docket No. 50-289

ORDER AND NOTICE OF HEARING

I. The Metropolitan Edison Company (the licensee) is holder of Facility Operating License No. DPR-50 which authorizes the operation of the nuclear power reactor known as Three Mile Island Nuclear Station, Unit No. 1 (the facility or TMI-1), at steady state power levels not in excess of 2535 megawatts thermal (rated power). The facility is a Babcock and Wilcox (B&W) designed pressurized water reactor (PWR) located at the licensee's site ten miles southeast of Harrisburg, Pennsylvania.

II. On July 2, 1979, the Commission ordered that the facility remain in a cold shutdown condition until further order of the Commission and stated that a hearing will be conducted prior to any restart of the facility. On the basis of that hearing the Commission will determine whether any further operation will be permitted and, if so, under what conditions. The Commission herein specifies the basis for its concerns and the procedures to govern further proceedings in this matter. For the reasons later set forth, the Commission has determined that

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satisfactory completion of certain short-term actions and resolution of various concerns described herein are required to provide reasonable assurance that the facility can be operated without endangering the health and safety of the public. The Commission has determined that certain additional long-term actions are, for the reasons given below, required to be completed as promptly as practicable, and that reasonable progress on the completion of such actions prior to restart is required, in order to provide reasonable assurance that the facility can be operated safely over the long term. This Order and notice of hearing further establishes procedures for a hearing and decision on the particular issues identified in Section V of this Order. The Commission has determined that hearing and decision with review thereof (as provided in Sections V and VI below) on the issues specified in this order is required and that such hearing, decision and review on the issues relating to the actions required prior to restart of the facility must be completed prior to any Commission Order lifting the suspension of operation.

Accordingly, the Atomic Safety and Licensing Board designated to conduct this proceeding should give priority to consideration of those issues which are related directly to suspension of operation. To the extent feasible, the Board should defer full review of the issues related to the longer-term actions until after the rendering of a partial initial decision regarding the suspension-related issues.

The Commission's July 2, 1979 Order recited that "the Commission presently lacks the requisite reasonable assurance that the . . . Licensee's Three Mile Island Unit No. 1 Facility . . . can be operated without endangering the health and safety of the public." The bases for that conclusion (which remains valid) are:

In the course of its evaluation to date of the accident at the Three Mile Island Unit No. 2 facility, which utilizes a B&W designed PWR, the Nuclear Regulatory Commission staff has ascertained that B&W designed reactors appear to be unusually sensitive to certain off-normal transient conditions originating in the secondary system. The features of the B&W design that contribute to this sensitivity are: (1) design of the steam generators to operate with relatively small liquid volume in the secondary side; (2) the lack of direct initiation of reactor trip upon the occurrence of off-normal conditions in the feedwater system; (3) reliance on an integrated control system (ICS) to automatically regulate feedwater flow; (4) actuation before reactor trip of a pilot-operated relief valve on the primary system pressurizer (which, if the valve sticks open, can aggravate the event); and (5) a low steam generator elevation (relative to the reactor vessel) which provides a smaller driving head for natural circulation.

Because of these features, B&W designed reactors place more reliance on the reliability and performance characteristics of the auxiliary feedwater system, the integrated control system, and the emergency core cooling system (ECCS) performance to recover from frequent anticipated transients, such as loss of offsite power and loss of normal feedwater, than do other PWR designs. This, in turn, places a large burden on the plant operators in the event of off-normal system behavior during such anticipated transients.

As a result of a preliminary review of the Three Mile Island Unit No. 2 accident chronology, the NRC staff initially identified several human errors that occurred during the accident and contributed significantly to its severity. All holders of operating licenses, except Metropolitan Edison, whose plants were already shut-down, were subsequently instructed to take a number of immediate actions to avoid

repetition of errors, in accordance with bulletins issued by the Commission's Office of Inspection and Enforcement (IE). In addition, the NRC staff began an immediate reevaluation of the design features of B&W reactors to determine whether additional safety corrections or improvements were necessary with respect to these reactors. This evaluation involved numerous meetings with B&W and certain of the affected licensees.

The evaluation identified design features as discussed above which indicated that B&W designed reactors are unusually sensitive to certain off-normal transient conditions originating in the secondary system. As a result, an additional bulletin was issued by IE which instructed holders of operating licenses for B&W designed reactors to take further actions, including immediate changes to decrease the reactor high pressure trip point and increase the pressurizer pilot-operated relief valve setting. Also, as a result of this evaluation, the NRC staff identified certain other safety concerns that warranted additional short-term design and procedural changes at operating facilities having B&W designed reactors. These were identified as items (a) through (e) on page 1- of the Office of Nuclear Reactor Regulation Status Report to the Commission of April 25, 1979.

In addition to the items identified for the other B&W reactors, the unique circumstances at TMI require that additional safety concerns identified by the NRC staff be resolved prior to restart. These concerns result from (1) potential interaction between Unit 1 and the damaged Unit 2, (2) questions about the management capabilities and technical resources of Metropolitan Edison, including the impact of the Unit 2 accident on these, (3) the potential effect of operations



necessary to decontaminate the Unit 2 facility or Unit 1, and (4) recognized deficiencies in emergency plans and station operating procedures. Based on the above, the Commission's Director of Nuclear Reactor Regulation (NRR) has recommended that the following actions (the "short-term actions") be required of the licensee to resolve the concerns stated herein and permit a finding of reasonable assurance that the facility can safely resume operation.

1. The licensee shall take the following actions with respect to TMI-1:
  - (a) Upgrade the timeliness and reliability of the Emergency Feedwater (EFW) system by performing the items specified in Enclosure 1 of the licensee's June 28, 1979 letter. Changes in design will be submitted to the NRC staff for review.
  - (b) Develop and implement operating procedures for initiating and controlling EFW independent of Integrated Control System (ICS) control.
  - (c) Install a hard-wired control grade reactor trip on loss of main feedwater, and/or on turbine trip.
  - (d) Complete analyses for potential small breaks and develop and implement operating instructions to define operator action.
  - (e) Augment the retraining of all Reactor Operators and Senior Reactor Operators assigned to the control room including training in the areas of natural circulation and small break loss of coolant accidents including revised procedures and the TMI-2 accident. All operators will also receive training at the B&W simulator on the TMI-2 accident and the licensee will conduct a 100 percent reexamination of all operators in these areas. NRC will administer complete examinations to all licensed personnel in accordance with 10 CFR 55.20-23..

2. The licensee shall provide for NRC review and approval of all applicable actions specified in IE Bulletins 79-05A, 79-05B, and 79-05C.

3. The licensee shall improve his emergency preparedness in accordance with the following:

- (a) Upgrade emergency plans to satisfy Regulatory Guide 7.101 with special attention to action level criteria based on plant parameters.
- (b) Establish an Emergency Operations Center for Federal, State and Local Officials and designate a location and an alternate location and provide communications to plant.
- (c) Upgrade offsite monitoring capability, including additional thermoluminescent dosimeters or equivalent.
- (d) Assess the relationship of State/Local plans to the licensee plans so as to assure the capability to take emergency actions.
- (e) Conduct a test exercise of its emergency plan.

4. The licensee shall demonstrate that decontamination and/or restoration operations at TMI-2 will not affect safe operations at TMI-1. The licensee shall provide separation and/or isolation of TMI 1/2 radioactive liquid transfer lines, fuel handling areas, ventilation systems, and sampling lines. Effluent monitoring instruments shall have the capability of discriminating between effluents resulting from Unit 1 or Unit 2 operations.

5. The licensee shall demonstrate that the waste management capability, including storage and processing, for solid, liquid, and gaseous wastes is adequate to



assure safe operation of TMI-1, and that TMI-1 waste handling capability is not relied on by operations at TMI-2.

6. The licensee shall demonstrate his managerial capability and resources to operate Unit 1 while maintaining Unit 2 in a safe configuration and carrying out planned decontamination and/or restoration activities. Issues to be addressed include the adequacy of groups providing safety review and operational advice, the management and technical capability and training of operations staff, the adequacy of the operational Quality Assurance program and the facility procedures and the capability of important support organizations such as Health Physics and Plant Maintenance.

7. The licensee shall demonstrate his financial qualifications to the extent relevant to his ability to operate TMI-1 safely.

8. The licensee shall comply with the Category A recommendations as specified in Table B-1 of NUREG-0578.

The Commission has additional concerns, which, though they need not be resolved prior to resumption of operation at Three Mile Island Unit 1, must be satisfactorily addressed in a timely manner. The Commission's Director of Nuclear Reactor Regulation (NRR) has recommended that the following actions (the "long-term actions") be required of the licensee to resolve these concerns and permit a finding of reasonable assurance of the safety of long-term operation. These are:

1. submit a failure mode and effects analysis of the ICS to the NRC staff as soon as practicable;

2. give continued attention to transient analysis and procedures for management of small breaks by a formal program set up to assure timely action of these matters;
3. comply with the Category B recommendations as specified in Table B-1 of NUREG-0578; and,
4. improve emergency preparedness in accordance with the following:
  - (a) modify emergency plans to address changing capabilities of plant instrumentation,
  - (b) extend the capability to take appropriate emergency actions for the population around the site to a distance of ten miles.

III. Accordingly, pursuant to the Atomic Energy Act of 1954, as amended, and the Commission's rules and regulations in 10 CFR, it is hereby ordered that:

- (1) the licensee shall maintain TMI-1 in a cold shutdown condition until further order of the Commission which will be issued following satisfactory completion of the required short-term actions and reasonable progress toward satisfactory completion of those required long-term actions referred to in section IV (such short-term and long-term actions to be considered "required" for purposes of this clause which are determined by the Commission, after review of the Licensing Board's decision, to be necessary and sufficient to provide adequate protection of the public health and safety); and

- (2) the licensee shall satisfactorily complete the long-term actions listed in Table B-1 of NUREG-0578 on the schedule set out in such table and such other long-term actions listed above as promptly as practicable.

IV. The Commission has determined that, in light of the concerns listed above, the public health, safety and interest require that the portion of the order referred to in clause (1) of Section III shall be immediately effective. The long-term actions referred to in such clause shall be those long-term actions listed in section II as to which the Commission, prior to the date of this order, has issued immediately effective orders against other licensees. If the Commission issues immediately effective orders against other licensees imposing requirements with respect to other long-term actions, it will, to the extent appropriate in the circumstances, issue orders, effective immediately, to require that the licensee demonstrate reasonable progress toward completion of such other actions as a condition to restart. If the Board determines that operation can be resumed upon completion of certain specific short-term actions by the licensee, it shall consider to the extent to which the licensee has demonstrated reasonable progress toward completion of the long-term actions described in this section. If it finds that the licensee has demonstrated reasonable progress, it shall recommend resumption of operation upon completion of the short-term actions. If it cannot make such a finding, it shall recommend that operation be resumed at a date that it believes appropriate reflects the importance of the action involved, the time lost because such progress had not been made on the prescribed schedule and the overriding need to provide adequate protection for the public health and safety.

V. An Atomic Safety and Licensing Board consisting of Ivan H. Smith, Esq., Chairman, Dr. Walter H. Jordan, Member, and Dr. Linda W. Little, Member, is hereby established to rule on petitions to intervene, to conduct the hearing ordered herein, and to render an initial decision in accordance with 10 CFR 2.760. The Atomic Safety and Licensing Board will issue a further order specifying the date and place of the hearing and any prehearing conferences. The Board should hold its sessions in the vicinity of the facility and it should attempt to schedule some of its sessions in the evening or on weekends to permit the maximum possible public attendance.

The hearing will be conducted in accordance with the applicable provisions of subpart G of the Commission's Rules of Practice set forth in 10 CFR Part 2. The provisions of 10 CFR 2.715a (consolidation of parties), 2.751a (special prehearing conference and order), 2.752 (prehearing conference and order) shall apply to this proceeding.

The Commission's primary commitment is to a fair and thorough hearing and decision. Given this overriding imperative, it is the Commission's expectation that the Board will conduct the proceeding expeditiously. The Board should as early as possible publish an appropriate schedule and attempt to meet it. A tentative schedule composed by the Commission is attached for the Board's possible use, although the Board should not be constrained by it. The Board is instructed to explore opportunities to shorten the time limits provided in the Rules pursuant to 10 CFR 2.711. The Licensing Board is hereby instructed to consolidate participation of parties pursuant to 10 CFR 2.715a to the maximum extent practicable consistent with the provisions of that regulation. In its review of the Initial Decision, the Commission will invoke 10 CFR 2.711 to shorten time limits

where feasible. It is hereby directed, pursuant to 2.760(a), that, upon issuance of the initial decision (or partial initial decision) in this matter, the record be certified to the Commission itself for final decision. Any party may take an appeal directly with the Commission by filing exceptions to the initial decision (or partial initial decision) in accordance with the provisions of 10 CFR 2.762. Commission review of the initial decision will be conducted in accordance with 10 CFR 2.770.

In the conduct of this proceeding the Licensing Board should exercise its authority to seek to ensure that it receives all information necessary to a thorough investigation and resolution of the questions before it. However, it should use its authority under 10 CFR 2.757 to prevent any undue delay to the proceeding resulting from any cross-examination not required for the full and true disclosure of the facts or from other sources mentioned in that section.

The provisions for pre-hearing discovery set forth in 10 CFR 2.740-2.742 shall apply to this proceeding. Furthermore, in several locations, including the Commission's Public Document Room and the TMI Local Document Room in Harrisburg, the Commission will maintain and continuously update a compilation of all publicly available information on the Three Mile Island accident and related matters, and it will also permit informal access to NRC staff considerations of the issues involved in this hearing in the manner in which such access is permitted in reactor licensing proceedings. It shall be an adequate response to any discovery request to state that the information or document requested is available in the public compilation and to provide sufficient information to locate the document or information. Moreover, as provided by 10 CFR 2.740(c) and 10 CFR

2.740(d), the licensing board may and should, when not inconsistent with fairness to all parties, limit the extent or control the sequence of discovery to prevent undue delay or imposition of an undue burden on any party.

The subjects to be considered at the hearing shall include:

- (1) Whether the "short term actions" recommended by the Director of Nuclear Reactor Regulation (set forth in Section II of this Order) are necessary and sufficient to provide reasonable assurance that the Three Mile Island Unit 1 facility can be operated without endangering the health and safety of the public, and should be required before resumption of operation should be permitted.
- (2) Whether the "long-term actions" recommended by the Director of Nuclear Reactor Regulation (set forth in Section II of this Order) are necessary and sufficient to provide reasonable assurance that the facility can be operated for the long term without endangering the health and safety of the public, and should be required of the licensee as soon as practicable.

As to the issue of financial qualifications mentioned above, a party wishing to raise this subject as a contention must clearly indicate why the licensee's financial condition might undermine the licensee's ability to operate the plant safely. Parties raising this issue should do so before the Special Prehearing Conference.



While real and substantial concern attaches to issues such as psychological distress and others arising from the continuing impact of aspects of the Three Mile Island accident unrelated directly to exposure to radiation on the part of citizens living near the plant, the Commission has not determined whether such issues can legally be relevant to this proceeding. Any party wishing to raise such subjects as contentions, or as aspects of separate contentions, should brief the Atomic Energy Act and National Environmental Policy Act issues he believes appropriate to the Board as part of the contention acceptance process set out in the Commission's regulations. The Board should then certify such issues to the Commission for final decision prior to the issuance of its pre-hearing conference order pursuant to 10 CFR 2.752(c), either with or without its recommendation on such issues, as it deems appropriate under the circumstances. At the time the Commission reaches a decision on these issues, it will also consider whether it can and should grant financial assistance to parties seeking to raise these issues in this case.

Satisfactory completion of the required actions will be determined by the Director of Nuclear Reactor Regulation. However, prior to issuing its decision the Board shall have authority to require staff to inform it of the detailed steps staff believes necessary to implement actions the Board may require and to approve or disapprove of the adequacy of such measures. With respect to any uncompleted items the Board shall have authority similar to that provided in 10 CFR 50.57(b) to take such actions or to impose such limitations or conditions as it believes necessary to protect the public health and safety: Provided, that, as provided

elsewhere in this order, restart shall not be permitted until satisfactory completion of all uncompleted short-term actions. Any affirmative determination by the Director will be based upon his finding that the actions specified by the Board, or by the Commission on review, have been taken, that the specified implementing procedures employed are appropriate, that the licensee satisfies the financial qualification criteria imposed on an applicant for an operating license, and that there is reasonable assurance that the facility can safely resume operation.

As noted above, the Atomic Safety and Licensing Board should accord priority to the consideration of matters relating to the need for continued suspension of operating authority. Within the limitations of 10 CFR 50.59 and 2.717(b) of the Commission's regulations, the licensee may commence modifications, such as those recommended above by the Director of Nuclear Reactor Regulation, during the pendency of this proceeding at its own risk.

VI. If the Licensing Board should issue a decision authorizing resumption of operation upon completion of certain short-term actions by the licensee and a finding that in its judgment the licensee is making reasonable progress toward completion of the long-term actions specified in this order as to which the Commission has issued immediately effective orders against other licensees, and subsequently if staff certifies that those short-term actions have been completed to its satisfaction, the Commission will issue an order within 35 days after such certification deciding whether the provision of this order requiring



the licenses to remain shut down shall remain immediately effective. Any motions relating to the lifting of immediate effectiveness must be received by the Secretary of the Commission within 10 days of issuance of the certification, and any responses to such motions must be received by the Secretary 7 days later. The Commission shall issue an order lifting immediate effectiveness if it determines that the public health, safety or interest no longer require immediate effectiveness. The Commission's decision on that question shall not affect its direct appellate review of the merits of the Board's decision.

VII. By September 4, 1979, the licensee may file a written answer to this Order and any person whose interest may be affected by this proceeding may file a written petition to intervene. Petitions for leave to intervene must be filed in accordance with the Commission's "Rules of Practice for Domestic Licensing Proceedings" in 10 CFR Part 2. If a petition for leave to intervene is filed by the above date, the Atomic Safety and Licensing Board established by this Order will rule on the petition and issue an appropriate further order. An order wholly denying a petition for leave to intervene shall be appealable by the petitioner to the Commission itself within ten days after service of the order. An order granting a petition for leave to intervene shall be appealable to the Commission itself by a party other than the petitioner on the question of whether the petition should have been wholly denied.

As required by 10 CFR 2.714, a petition for leave to intervene shall set forth with particularity the interest of the petitioner in the proceeding, and how

that interest may be affected by the results of the proceeding. The petition should specifically explain the reasons why intervention should be permitted with particular reference to the following factors:

- (1) the nature of the petitioner's right under the Atomic Energy Act to be made a party to the proceeding;
- (2) the nature and extent of the petitioner's property, financial, or other interest in the proceeding; and
- (3) the possible effect of any order which may be entered in the proceeding on the petitioner's interest.

The petition should identify the specific aspect(s) of the subject matter of the proceeding as to which petitioner wishes to intervene.

Not later than fifteen days prior to the first prehearing conference scheduled in the proceeding, the petitioner shall file a supplement to the petition to intervene which must include a list of contentions which are sought to be litigated in the matter, and the bases for each concern set forth with reasonable specificity. A petitioner who fails to file such a supplement which satisfies these requirements with respect to at least one contention will not be permitted to participate as a party.

An answer to this Order or petition for leave to intervene should be filed with the Secretary of the Commission, U.S. Nuclear Regulatory Commission, Washington, D.C. 20555, Attention: Docketing and Service Section, or may be delivered to the Commission's Public Document Room, 1717 H Street, N.W., Washington, D.C. by September 4, 1979. A copy of the petition should be sent to the Executive Legal Director, U.S. Nuclear Regulatory Commission, Washington, D.C. 20555 and to Mr. George F. Trowbridge, Shaw, Pittman, Potts and Trowbridge, 1800 N Street, N.W., Washington, D.C. 20036, attorney for the licensee. Any questions or requests for additional information regarding the content of this Notice should be addressed to the Chief Hearing Counsel, Office of the Executive Legal Director, U.S. Nuclear Regulatory Commission, Washington, D.C. 20555.

Untimely filings of petitions for leave to intervene, amended petitions or supplemental petitions will not be entertained absent a determination that the petitioner has made a substantial showing of good cause for the granting of a later petition. That determination will be based on a balancing of the factors specified in 10 CFR 2.714(a)(1)-(v) and 2.714(d).

VIII. Copies of the following documents are available for inspection at the Commission's Public Document Room at 1717 H Street, N.W., Washington, D.C. and are being placed in the Commission's local public document room at the State Library of Pennsylvania, Government Publications Section, Education Building, Commonwealth and Walnut Streets, Harrisburg, Pennsylvania 17126.

August 1 Commission Order

April 16 Ltr. Herbein to Denton (prior notice will be given before restart)

June 28 Ltr. Herbein to Denton (modifications to be completed before TMI-1 restart)

June 28 NRC Staff Meeting summary on TMI-1 restart

NUREG-0578

I&E Bulletins 79-05A  
79-05B  
79-05C

For the Commission



SAMUEL J. CHALK  
Secretary of the Commission

Dated at Washington, D.C.

this 9th day of August, 1979.

Milestone	Time Consumed (Days)	Total Days Into Proceeding
Publication of Notice (Detailed Order)	0	0
Filing of Intervention Petitions	20	20
Answers to Petitions	15	35
Time for Amending Petitions and for Negotiations re Contentions	25	60
Time between filing Amended Petitions and Contentions and Special Prehearing Conference	15	75
Publication of Special Prehearing Conference Order	5	80
(Discovery begins)		
Discovery completed	60	140
During discovery period:		
-Objections to Special Prehearing Conference Order 10 days		
-Possible further refinement of contentions		
Prehearing Conference	-	140
Prehearing Conference Order	5	145
Filing of Testimony	20	165
(Assumes objections to prehear- ing Conference Order filed simultaneously)		
Begin Hearings	15	180
Complete Hearings	60	240
Filing of Proposed Findings	40	280
Reply to Proposed Findings	10	290
Decision by Board	45	335