



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

April 16, 1980
NRC/TMI-80-064

Docket No. 50-320

Mr. R. C. Arnold
Senior Vice President
Metropolitan Edison Company
100 Interpace Parkway
Parsippany, New Jersey 07054

Dear Mr. Arnold:

Subject: Mini Decay Heat Removal Overpressurization from Steam Generator Burp

We have reviewed the two letters, TMI-II-R-1219 dated January 9, 1980, and TMI-II-R-1194 dated December 17, 1979, concerning precautions to be taken in preventing the MDHR system from overpressurization due to steam generator "burps". In the latter letter, three options were recommended. They are: (1) maintain letdown at 1.8 gpm when RCS temperature is above 150°F; (2) introduce a gas volume of 38.0 cu. ft. at 80 psi and have no letdown; and (3) reduce Reactor Coolant System (RCS) temperature to below 120°F with the reactor building temperature (RB) maintained above 80°F and have no letdown. It appears that you recommend to implement option (3). We concur, however, we believe that a further study should be performed in order to determine the best way of achieving and maintaining the RCS and RB temperature conditions prior to the MDHR system operation.

Some of our concerns are addressed in the following questions:

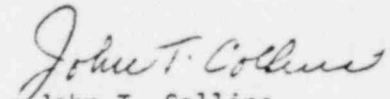
- a. What assurance is there in maintaining the RB temperature above 80°F? The RB temperature has ranged from 75°F to 80°F with one pump running, but without the evaporation cooler functioning (our understanding). With RB pump shut off can the temperature climb to higher than 80°F or do fans also have to be shutdown? Secondly, how will the RCS temperature be reduced to and maintained at 120°F?
- b. For option 3, it is stated that letdown will have to be maintained while using the MDHR until the primary system is below 120°F. This will create some waste via the letdown line. We request that you provide information concerning the activation of the OTSG "B" loop long-term cooling system for RCS temperature reduction down to 120°F, and then activation of the MDHR system.

Mr. R. C. Arnold

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In conclusion, we request that the above concerns be evaluated and the results be reflected in the MDHR system operating procedure so as to include appropriate precautions in precluding MDHR overpressurization from steam generator burps.


John T. Collins
Deputy Program Manager
TMI Program Office

cc: See Distribution List

R. C. Arnold
Metropolitan Edison Company

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Mr. G. K. Hovey
Director, TMI-2
Metropolitan Edison Company
P. O. Box 480
Middletown, PA 17057

Mr. J. J. Barton
Manager, Site Operations, TMI-2
Metropolitan Edison Company
P. O. Box 480
Middletown, PA 17057

Mr. R. W. Heward
Radiological Control Manager, TMI-2
Metropolitan Edison Company
P. O. Box 480
Middletown, PA 17057

Mr. B. Elam
Manager, Plant Engineering
Metropolitan Edison Company
P. O. Box 480
Middletown, PA 17057

Mr. R. F. Wilson
Director, Technical Functions
Metropolitan Edison Company
P.O. Box 480
Middletown, PA 17057

Mr. L. W. Harding
Supervisor of Licensing
Metropolitan Edison Company
P. O. Box 480
Middletown, PA 17057

Mr. E. G. Wallace
Licensing Manager
GPU Service Corporation
100 Interpace Parkway
Parsippany, NJ 07054

Mr. I. R. Finfrock, Jr.
Jersey Central Power & Light Company
Madison Avenue at Punch Bowl Road
Morristown, NJ 07950

Mr. R. W. Conrad
Pennsylvania Electric Company
1007 Broad Street
Johnstown, PA 15907

J. B. Lieberman, Esquire
Berlock, Israel, Lieberman
26 Broadway
New York, NY 10004

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

Ms. Mary V. Southard, Chairperson
Citizens for a Safe Environment
P. O. Box 405
Harrisburg, PA 17108

Dr. Walter H. Jordan
881 W. Outer Drive
Oak Ridge, TN 37830

Dr. Linda W. Little
5000 Hermitage Drive
Raleigh, NC 27612

Karin W. Carter, Esquire
505 Executive House
P. O. Box 2357
Harrisburg, PA 17120

Honorable Mark Cohen
512 E-3 Main Capital Building
Harrisburg, PA 17120

Ellyn Weiss, Esquire
Sheldon, Harmon, Roisman & Weiss
1725 I Street, N.W., Suite 506
Washington, DC 20006

Mr. Steven C. Sholly
304 S. Market Street
Mechanicsburg, PA 17055

Mr. Thomas Gerusky
Bureau of Radiation Protection
P. O. Box 2063
Harrisburg, PA 17120

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

Ms. Jane Lee
R. D. 3, Box 3521
Etters, PA 17319

Mr. R. C. Arnold
Metropolitan Edison Company

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Walter W. Cohen, Consumer Advocate
Department of Justice
Strawberry Square, 14th Floor
Harrisburg, PA 17127

Robert L. Knupp, Esquire
Assistant Solicitor
Knupp and Andrews
P. O. Box P
407 N. Front Street
Harrisburg, PA 17108

John E. Minnich, Chairperson
Dauphin Co. Board of Commissioners
Dauphin County Courthouse
Front and Market Streets
Harrisburg, PA 17101

Robert Q. Pollard
Chesapeake Energy Alliance
609 Montpelier Street
Baltimore, MD 21218

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

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

Holly S. Keck
Anti-Nuclear Group Representing York
245 W. Philadelphia Street
York, PA 17404

John Levin, Esquire
Pennsylvania Public Utilities Commission
P. O. Box 3265
Harrisburg, PA 17120

Jordon D. Cunningham, Esquire
Fox, Farr and Cunningham
2320 N. Second Street
Harrisburg, PA 17110

Ms. Kathy McCaughin
Three Mile Island Alert, Inc.
23 South 21st Street
Harrisburg, PA 17104

Ms. Marjorie H. Aamodt
R. D. #5
Coatesville, PA 19320

Ms. Karen Sheldon
Sheldon, Harmon, Roisman & Weiss
1725 I Street, N.W., Suite 506
Washington, DC 20006

Earl B. Hoffman
Dauphin County Commissioner
Dauphin County Courthouse
Front and Market Street
Harrisburg, PA 17101

Government Publications Section
State of Library of Pennsylvania
Box 1601 Education Building
Harrisburg, PA 17127

Dr. Edward O. Swartz
Board of Supervisors
Londonderry Township
RFD #1 Geyers Church Road
Middletown, PA 17057

U. S. Environmental Protection Agency
Region III Office
ATTN: EIS COORDINATOR
Curtis Building (Sixth Floor)
6th and Walnut Streets
Philadelphia, PA 19106

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

Department of Environmental Resources
ATTN: Director, Office of
Radiological Health
P. O. Box 2063
Harrisburg, PA 17105

Mr. R. C. Arnold
Metropolitan Edison Company

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

Mrs. Rhoda D. Carr
1402 Marene Drive
Harrisburg, PA 17109

Mr. Richard Roberts
The Patriot
812 Market Street
Harrisburg, PA 17105

Mr. Robert B. Borsum
Babcock & Wilcox
Nuclear Power Generation Division
Suite 420, 7735 Old Georgetown Road
Bethesda, MD 20014

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

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

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