

DISTRIBUTION
 TMIPO HQ r/f
 TMI SITE r/f
 CENTRAL FILE ~~(50-288)~~
 BJSnyder
 PJGrant
 RJCook
 JMBell
 DJCollins

October 31, 1984

Mr. and Mrs. Norman Aamodt
 RD #5, Box 428
 Coatesville, PA 19320

Dear Mr. and Mrs. Aamodt:

This letter is to confirm earlier information provided to you verbally regarding the results of environmental sample analyses. Specifically, radio-isotopic analyses of several soil/water samples have been conducted. Two samples were collected during the August 30, 1984 trip with you to three locations on the West shore of the Susquehanna river in the vicinity of the Three Mile Island site. These locations, per your request, are not further identified in this letter. One soil sample (Location #1) was collected by representatives of the Environmental Protection Agency (EPA) on September 4, 1984.

The results of the analyses completed to date indicate that the samples contained plutonium, strontium, and cesium at levels associated with fallout from weapons testing, in addition to naturally occurring radioisotopes. These results are consistent with those that were obtained August 30, 1984 by representatives of the Nuclear Regulatory Commission (NRC), the EPA and the Pennsylvania Department of Environmental Resources (PA DER) using portable radiation monitoring instruments. The information presented in this letter has been reviewed and concurred in by EPA and PA DER officials.

The enclosure provides presently available results of the analyses which have been performed by NRC, DOE, EPA's Middletown Field Office and by the PA DER's laboratory. Additional analysis of the samples at EPA's Montgomery, Alabama, laboratory is scheduled to be completed within a few weeks. The results of these tests will be provided to you when they become available.

Sincerely,

ORIGINAL SIGNED BY:

William D. Travers
 Deputy Program Director
 TMI Program Office

*IDAR-5
TMI*

Enclosure:
 As Stated

cc w/enclosure:
 W. Kirk, EPA
 T. Woolley, EPA
 M. Riley, PA DER

8411060589 ZA

OFFICE	TMIPO	TMIPO	TMIPO
SURNAME	DJCollins/Imp	JMBell	WTravers
DATE	10/31/84	10/31/84	10/31/84

ENCLOSURE

<u>Location</u>	<u>Nature of Sample</u>	<u>Radioisotope</u>	<u>Radioisotope Concentration (pCi/g)*</u>
1	Soil	Cesium-137	0.52 ± 0.023
2	Soil	Cesium-137	1.011 ± 0.025
		Strontium-90	0.09 ± 0.05
		Plutonium-239/240	0.011 ± 0.002
	Pond Water	**	
	Spring Water	**	
3	Soil	Cesium-137	0.59 ± 0.024

*pCi/g = picocuries per gram = billionths of a curie per gram.

**The pond and spring water samples were analyzed by PA DER and EPA. With the exception of naturally occurring radionuclides, no activity above the minimum detectable concentration was found. The minimum detectable concentration is in the range of a few picocuries per milliliter (one milliliter of water is approximately 1 gram).

NOTE: Except at location 2, analyses for strontium and transuranics have not yet been completed. Results of these analyses will be provided when they become available from the EPA.

Mr. R. J. Toole
O&M Director, TMI-1
GPU Nuclear Corporation
P. O. Box 480
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. Hurley, 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 3255
Harrisburg, Pennsylvania 17120

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

Ms. Marjorie M. Aamodt
R. D. #5
Coatesville, Pennsylvania 19320

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, D.C. 20009

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

Sary J. Edles, Chairman
Atomic Safety & Licensing Appeal
Board
U.S. Nuclear Regulatory Commission
Washington, DC 20555

GPU Nuclear Corporation

- 2 -

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

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

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

Marvin I. Lewis
6504 Bradford Terrace
Philadelphia, Pennsylvania 19149

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

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

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

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

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

Ms. Virginia Southard, Chairman
Citizens for a Safe Environment
264 Walton Street
Lemoyne, Pennsylvania 17043

Ms. Lennie Prough
U. S. N. R. C. - TMI Site
P. O. Box 311
Middletown, Pennsylvania 17057

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

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

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

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

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

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

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

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

GPU Nuclear Corporation

- 3 -

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

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

Jane Lee
183 Valley Road
Etters, Pennsylvania 17319

Bruce Molholt
Haverford College
Haverford, Pennsylvania 19041

Norman Aamodt
R. D. #5, Box 428
Coatesville, Pennsylvania 19320

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