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February 29, 1988  
4410-88-L-0028/0163P

US Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, DC 20555

Dear Sirs:

Three Mile Island Nuclear Station, Unit 2 (TMI-2)  
Operating License No. DPR-73  
Docket No. 50-320  
Annual Reports Required By Technical Specification 6.9.1.5  
and 10 CFR 20.407

Attachments 1 and 2 are the Technical Specification 6.9.1.5 required Aircraft Movement Report and Annual Exposure Report for TMI-2. Attachment 3 is the 10 CFR 20.407 Personnel Exposure Report for 1987.

The Annual Exposure Report, which is based on information from Self-Reading Dosimeters (SRDs), is more detailed than required in that it lists exposures received by job function for all monitored personnel. The Technical Specifications require information for personnel whose exposure exceeds 100 mRem during the reporting period.

The Annual Aircraft Movement Report lists aircraft movements for the Harrisburg International Airport (HIA) for 1987. It also provides an estimated total movement of aircraft exceeding 200,000 pounds based upon current available information from the HIA. This report is as required by Technical Specification 6.9.1.5 as amended by Atomic Safety and Licensing Appeal Board Decision of September 19, 1982.

The Annual 10 CFR 20.407 Report of exposures, which is based on information from thermoluminescence dosimeters (TLDs), applies only to TMI-2.

Sincerely,

F. R. Standerfer  
Director, TMI-2

RDW/emf

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PDR ADOCK 05000320  
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GPU Nuclear Corporation is a subsidiary of the General Public Utilities Corporation

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Attachments

cc: TMI-1, NRC Resident Inspector - R. J. Conte  
Regional Administrator, Region 1 - W. T. Russell  
Director, TMI-2 Cleanup Project Directorate - Dr. W. D. Travers

AIRCRAFT MOVEMENTS AT THE  
HARRISBURG INTERNATIONAL AIRPORT

January 1 through December 31, 1987

Itinerant

Air Carrier	14,449
Air Taxi	45,252
General Aviation	32,924
Military	<u>7,318</u>
<u>TOTAL</u>	- 99,943

Local

Civil	52,166
Military	<u>14,513</u>
<u>TOTAL</u>	- 66,679

TOTAL 166,622

Movement of aircraft larger than 200,000 pounds - 50

NUMBER OF PERSONNEL AND MAN REMS BY WORK AND JOB FUNCTION  
MET-ED T M I UNIT 2 UNIT 2

REPORT---PERIOD  
01/01/87 - 12/31/87

DATE 02/12/88  
PAGE 1

JOB CATEGORY JOB FUNCTION	STATION NUMBER	PERSONNEL REMS	UTILITY NUMBER	PERSONNEL REMS	CONTRACTOR NUMBER	PERSONNEL REMS
<b>REACTOR OPERATIONS/SURV.</b>						
MAINTENANCE PERSONNEL	24	.728	0	.000	255	43.559
OPERATING PERSONNEL	87	21.481	0	.000	3	.585
HEALTH PHYSICS PERSONNEL	68	7.335	0	.000	113	18.405
SUPERVISORY PERSONNEL	28	1.062	1	.139	27	2.815
ENGINEERING PERSONNEL	3	1.153	0	.000	46	7.023
ADMINISTRATIVE PERSONNEL	27	.158	2	.072	15	.110
<b>ROUTINE MAINTENANCE</b>						
MAINTENANCE PERSONNEL	91	13.080	1	.000	256	9.697
OPERATING PERSONNEL	87	11.927	0	.000	5	.470
HEALTH PHYSICS PERSONNEL	100	6.404	1	.008	126	18.568
SUPERVISORY PERSONNEL	76	2.033	8	.069	55	1.505
ENGINEERING PERSONNEL	39	.643	13	.114	87	.708
ADMINISTRATIVE PERSONNEL	74	.411	29	.061	38	.369
<b>INSERVICE INSPECTION</b>						
MAINTENANCE PERSONNEL	6	.132	0	.000	64	7.227
OPERATING PERSONNEL	0	.000	0	.000	1	.069
HEALTH PHYSICS PERSONNEL	16	.277	0	.000	48	1.604
SUPERVISORY PERSONNEL	2	.003	0	.000	6	.606
ENGINEERING PERSONNEL	3	.002	0	.000	29	2.499
ADMINISTRATIVE PERSONNEL	6	.059	0	.000	0	.000
<b>* SPECIAL MAINTENANCE</b>						
MAINTENANCE PERSONNEL	79	64.414	1	.000	363	456.862
OPERATING PERSONNEL	106	104.906	0	.000	9	5.952
HEALTH PHYSICS PERSONNEL	63	39.946	0	.000	101	79.004
SUPERVISORY PERSONNEL	45	2.949	3	.113	67	64.895
ENGINEERING PERSONNEL	18	.729	8	.093	127	54.015
ADMINISTRATIVE PERSONNEL	46	1.310	9	.195	33	1.033
<b>WASTE PROCESSING</b>						
MAINTENANCE PERSONNEL	91	34.353	1	.003	161	15.831
OPERATING PERSONNEL	73	9.132	0	.000	3	.040
HEALTH PHYSICS PERSONNEL	69	9.412	1	.000	100	8.027
SUPERVISORY PERSONNEL	60	2.379	2	.000	40	2.373
ENGINEERING PERSONNEL	25	.745	12	.013	68	2.110
ADMINISTRATIVE PERSONNEL	46	1.046	13	.000	12	.019

\* NOTE: Special Maintenance includes:

- Reactor Building Decontamination
- Reactor Building Dose Reduction
- Reactor Systems Disassembly
- Reactor Defueling
- Primary Coolant Decontamination
- Auxiliary and Fuel Handling Building Decontamination

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NUMBER OF PERSONNEL AND MAN REQS BY WORK AND JOB FUNCTION  
MET-ED T W I UNIT 2 UNIT 2REPORT --- PERIOD 01/01/87 - 12/31/87  
DATE 02/12/88  
PAGE 2

JOB CATEGORY JOB FUNCTION	STATION PERSONNEL NUMBER REQS	UTILITY PERSONNEL NUMBER REQS	CONTRACTOR PERSONNEL NUMBER REQS
* TOTAL BY JOB FUNCTION *			
MAINTENANCE PERSONNEL	105 112,707	2 003	387 533,176
OPERATING PERSONNEL	122 147,446	0 000	9 7,136
HEALTH PHYSICS PERSONNEL	105 63,374	1 008	131 125,608
SUPERVISORY PERSONNEL	93 9,026	9 321	80 72,196
ENGINEERING PERSONNEL	13 4,422	48 229	165 66,355
ADMINISTRATIVE PERSONNEL	88 2,984	47 328	48 1,531
** GRAND TOTAL **	556 338,959	93 880	820 806,002

THREE MILE ISLAND UNIT 2  
10 CFR 20.407 REPORT

Report Period: 01-01-87 through 12-31-87

Plant Total This Period (Rem)	977.164
Total No. Of Personnel Where Monitoring Was Required/Provided In Accordance With 10 CFR 20.407(a)(2)	1566
<u>Personnel Count By</u> <u>Whole Body Exposure Range (REM)</u>	<u>Number of</u> <u>Personnel</u>
No Measurable Exposure	188
Exposure Less Than 0.1	539
0.1 to 0.25	117
0.25 to 0.5	103
0.5 to 0.75	81
0.75 to 1	71
1 to 2	341
2 to 3	116
3 to 4	10
4 to 5	0
5 to 6	0
6 to 7	0
7 to 8	0
8 to 9	0
9 to 10	0
10 to 11	0
11 to 12	0
More Than 12	0