NUMBER OF PERSONNEL AND MAN REMS BY WORK AND JOB FUNCTION
January 1, 1983 Through December 31, 1983
TMI UNIT 1

Job Category / Job Function	Station Number	Personnel Rems	Utility Number	Personnel Rems	Contractor Number	Personnel Rems
REACTOR OPERATIONS/SURV.						
Maintenance Personnel	147	1.747	1	.008	50	.201
Operating Personnel	93	11.376	1	.013	3	.014
Health Physics Personnel	99	34.667	6	.020	27	2.819
Supervisory Personnel	80	2.374	4	.027	22	.061
Engineering Personnel	77	2.411	17	.081	57	.230
Administrative Personnel	98	1.203	26	.017	27	.153
ROUTINE MAINTENANCE						
Maintenance Personnel	185	15.647	1	.000	52	.301
Operating Personnel	71	.309	0	.000	3	.031
Health Physics Personnel	78	1.622	0	.000	3	.007
Supervisory Personnel	55	.919	0	.000	8	.016
Engineering Personnel	21	.240	4	.012	19	.053
Administrative Personnel	64	.137	0	.000	5	.030
INSERVICE INSPECTION						
Maintenance Personnel	57	1.428	1	.002	48	1.030
Operating Personnel	39	.659	1	.009	1	.005
Health Physics Personnel	44	.347	0	.000	1	.000
Supervisory Personnel	31	.779	0	.000	4	.157
Engineering Personnel	17	1.584	10	.038	41	4.450
Administrative Personnel	9	.005	1	.100	9	.044
SPECIAL MAINTENANCE						
Maintenance Personnel	183	145.134	5	5.727	283	447.364
Operating Personnel	74	57.840	1	.006	6	5.639
Health Physics Personnel	62	15.549	0	.000	6	.572
Supervisory Personnel	72	29.395	1	.004	29	22.262
Engineering Personnel	56	6.190	23	1.151	89	35.901
Administrative Personnel	47	6.098	2	.028	16	3.968
WASTE PROCESSION						
Maintenance Personnel	90	14.631	3	.170	31	.240
Operating Personnel	67	8.950	0	.000	2	.064
Health Physics Personnel	57	1.006	0	.000	6	.878
Supervisory Personnel	23	2.495	0	.000	5	.331
Engineering Personnel	6	1.430	1	.000	5	.028
Administrative Personnel	11	1.430	0	.000	2	.000

NUMBER OF PERSONNEL AND MAN REMS BY WORK AND JOB FUNCTION
January 1, 1984 Through December 31, 1983
TMI UNIT 1

Job Category Job Function	Station Number	Personnel Rems	Utility Number	Personnel Rems	Contractor Number	Personnel Rems
REFUELING						
Maintenance Personnel	1	.002	0	.000	0	.000
Supervisory Personnel	1	.000	0	.000	0	.000
TOTAL BY JOB FUNCTION						
Maintenance Personnel	214	178.589	8	5.907	291	449.136
Operating Personnel	104	79.134	1	.028	8	5.753
Health Physics Personnel	112	53.191	6	.020	35	4.276
Supervisory Personnel	102	35.962	4	.031	43	22.827
Engineering Personnel	89	11.855	36	1.292	140	40.662
Administrative Personnel	116	8.873	27	.145	34	4.195
GRAND TOTAL	737	367.604	82	7.413	551	526.849

ATTACHMENT II

AIRCRAFT MOVEMENTS AT THE HARRISBURG INTERNATIONAL AIRPORT

JANUARY 1 THROUGH DECEMBER 31, 1983

Itinerant		
	Commercial	6,980
	Air Taxi	22,437
	General Aviation	26,512
	Military	5,119
		61,048
Local		
	Civil	40,677
	Military	7,738
		48,415
TOTAL		109,463

Movement of Aircraft Larger than 200,000 pounds
Less than 1% of Total 109,463; <1,095

Annual Report Regarding the Periodic Leak Reduction Program Tests (T.S. 6.9.1.B.3)

The periodic leak reduction program as reported in March, 1983, is composed of the following plant surveillance procedures (the systems affected are as indicated):

Surveillance Procedure No.	Affected System
1303-11.16	Decay Heat Removal System
1303-11.18	R. B. Local Leak Rate Testing
1303-11.27	Makeup and Purification System
1303-11.28	Liquid Waste Disposal System
1303-11.29	Waste Gas Disposal System
1303-11.30	Reactor Coolant Sampling - Liquid & Gas
1303-11.31	Hydrogen Recombiner System
1303-11.50	Reactor Building Spray System

Table I summarizes the results of the leakage Reduction Program tests and inspections by procedure number that were performed between January 1 and December 31, 1983. Component identification of those components found to be leaking and the type repair (if required) are included in Table I. Leaking components were repaired and retested such that the as found leakage was significantly reduced.

TABLE I

Surveillance Procedure No.	Date of Performance	Component Identification	Leakage AS FOUND	Leakage AS LEFT	Type Repair Performed Prior to As Left Test
1303-11.16	5/21/84 (Loop A)	DH-V15A	16,427 cc/hr (4.34 gal/hr)	33 cc/hr (.0088 gal/hr)	Adjusted DH-V15A packing.
	5/22/84 (Loop B)	N/A	0	0	N/A
1303-11.18	(See Note I)	(See Note 1)	305,863 sccm	32,716 sccm	(See Note 1)
1303-11.27	8/21/83	MU-P-1A	720 cc/hr	To be done in 1984	Job Ticket CB686 submitted
		MU-P-76A	1000 cc/hr	0	Repaired body to Bonnet Leak per Job Ticket (J.T.) #CB635
		MU-V-76B	4800 cc/hr	0	Repaired body to Bonnet Leak per J.T. #CB634
		MU-V-92	900 cc/hr	0	Repaired body to Bonnet Leak per J.T. #CB633
		MU-V-196B	100 cc/hr	0	Repaired Stem Leak per J.T. #CB636
		MU-V-197B	200 cc/hr	0	Repaired Stem Leak per J.T. #CB637
		MU-V-194B	300 cc/hr	0	Repaired Stem Leak per J.T. #CB638
1303-11.28		(See Note 2)			
1303-11.29	3/24/83	WDL-V-310	3.5×10^{-2} CFM	0	Adjusted Packing per J.T. #CA470
		WDL-V-312	1.0×10^{-1} CFM	0	Adjusted Packing per J.T. #CA471
1303-11.30	8/12/83	CA-V31	60 cc/hr	0	Repaired steam leak per J.T. #CB915
1303-11.31	6/10/83	N/A	0	0	N/A
1303-11.50		(See Note 2)			

TOTAL "AS LEFT" LEAKAGE — 753 cc/hr (liquid) 32,716 SCCM (gaseous) - See Note 3

TABLE I

(Continued)

Note 1: The following valves were considered failures during performance of 1303-11.18 and repaired by Job Tickets prior to "as left" test: DH-V64, DH-V69, IC-V3, and IC-V4. The following valves passed the leakage tests but were repaired because of material degradation: AH-V1 A/B/C/D. Acceptable total Reactor Building leakage that can be attributed to local leakage must be less than 104846 SCCM per Technical Specifications. The exact performance of the local leakage tests occurred on different dates at various times during the 1983 calendar year.

Note 2: Not performed in 1983 since required performance is once each refueling interval. Satisfactory "as left" performance last occurred in December 1982 and the required retest interval was not due in 1983.

Note 3: Due to the extended (>4 years) shutdown conditions and plant radioactivity levels, the 2 hour site boundary and 30 day low population zone offsite dose considerations were not limiting conditions for acceptable leakage criteria in 1983. Therefore, all "as-found" and "as-left" leakage recorded did not significantly increase the likelihood or magnitude of either on or off-site releases during 1983.

Attachment IV

Pressurizer Power Operated Relief Valve and Pressurizer Safety Valve Challenges for the Calendar Year 1983.

No pressurizer power operated relief valve and pressurizer safety valve challenges occurred during 1983, per Technical Specification 6.9.B.4.

GPU Nuclear

GPU Nuclear Corporation
Post Office Box 480
Route 441 South
Middletown, Pennsylvania 17057-0191
717 944-7621
TELEX 84-2386
Writer's Direct Dial Number:

March 1, 1984
5211-84-2049

Dr. Thomas E. Murley
Region I, Regional Administrator
U. S. Nuclear Regulatory Commission
631 Park Avenue
King of Prussia, PA. 19406

Dear Sir:

Three Mile Island Nuclear Station, Unit I (TMI-1)
Operating License No. DPR-50
Docket No. 50-289
Annual Report

Enclosed is the 1983 Annual Report for Three Mile Island Nuclear Station, Unit I. This report is submitted per TMI-1 Technical Specification Section 6.9.1.B. The Report contains the following information:

Attachment I - Tabulation of Personnel Exposure Data for the calendar year 1983. (T. S. Section 6.9.1.B.1.).

Attachment II - Aircraft Movement Data from Harrisburg International Airport for the calendar year 1983. (T. S. Section 6.9.1.B.2).

Attachment III - Leak Reduction Program Test Information for the calendar year 1983. (T. S. Section 6.9.1.B.3).

Attachment IV - Pressurizer Power Operated Relief Valve and Pressurizer Safety Valve Challenges for the calendar year 1983. (T. S. Section 6.9.1.B.4).

Sincerely,

H. D. Hukill,
Director, TMI-1

HDH:JGB:mle
Attachments
cc.: Director, Office of Inspection and Enforcement
U. S. Nuclear Regulatory Commission
Washington, D.C. 20555 (40 copies)

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Certified By M. Taylor
3-28-84

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cc.: Director, Office of Management Information
and Program Control
U. S. Nuclear Regulatory Commission
Washington, D.C. 20555