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METROPOLITAN EDISON COMPANY SUBSIDIARY OF GENERAL PUBLIC UTILITIES CORPORATION

POST OFFICE BOX 542 READING, PENNSYLVANIA 19603

September 19, 1978
GQL 1524

TELEPHONE 215 - 929-3601

Office of Management and Program Control
Operating Data Section, 12105 MNBB
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

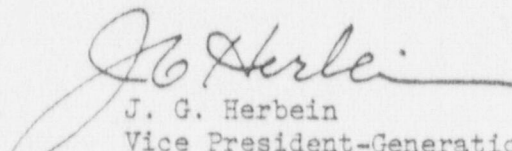
Dear Sir:

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

Attached please find a corrected copy of your letter of September 8, 1977 concerning the radioactive effluents released from TMI-1 during 1977.

Should you require any clarification of these comments, please contact Mr. M. R. Buring (telephone # (215) 929-3601, Ext. 175) of our staff.

Sincerely,


J. G. Herbein
Vice President-Generation

JGH:DGM:cjg

Attachments

cc: Ms. Margaret Reilly
Department of Environmental Resources
Harrisburg Region
407 S. Cameron St.
Harrisburg, PA 17120

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Facility: Three Mile Island 1 Docket No: 50-289
Type: PWR Licensed Power (MWT): 2535.0
Location: 10 Mi SE Harrisburg, PA Initial Criticality: 6/5/74
Cooling Water Source: Susquehanna River

Operation

Gross Thermal Generation (MWHT): 1.76E+07
Net Electrical (MWHE): 5.46E+06

Summary of Effluents (Curies)

Airborne:

- a) Total Noble Gases 1.66E+04
- b) Total I-131 2.13E-02
- c) Total Halogens (Including I-131) 2.13E-02
- d) Total Particulates (T/2 > 8 day) 1.26E-02
- e) Total Tritium 1.29E+02

Liquid:

- a) Total Mixed Fission & Actuation Products 1.94E-01
- b) Total Tritium 1.92E+02
- c) Dissolved Noble Gases 5.82E-01
- d) Volume of Liquid Waste Released (Liters) 3.41E+06
- e) Volume of Dilution Water (Liters) 1.95E+10

Solid Waste:

- a) Volume (Cubic Meters) 2.18E+02
- b) Activity (Curies) 4.73E+01
- c) Number of Shipments 16

NOTE: $1.64E+07 = 1.64 \times 10^7$
ND = Non Detectable
NR = Not Reported

SUMMARY OF EFFLUENTS (CURIES)

Airborne

AR-41	6.60E+01	
KR-85	3.95E+00	
KR-85M	1.25E+00	
KR-87	2.00E+05	<1.00E-05
KR-88	2.00E+05	<1.00E-05
XE-131M	2.00E+01	
XE-133	6.70E+03	1.61E+04
XE-133M	7.56E+01	
XE-135	3.03E+03	3.03E+02
XE-135M	3.18E+00	1.74E+00
XE-138	2.00E+05	<1.00E-05

I-131	2.13E-02	
I-133	8.10E-13	<2.70E-13
I-135	4.14E-12	<4.07E-12

NA-24	4.28E-13	<2.28E-13
K-40	3.39E-03	
MN-54	3.48E-13	<3.48E-13
CO-58	8.54E-03	
CO-60	3.23E-04	
SR-89	9.09E-05	
SR-90	1.17E-05	
CS-134	1.16E-03	
CS-137	2.71E-03	
BA/LA-140	5.28E-13	<5.28E-13

Liquid

CR-51	2.48E-03	
MN-54	1.21E-03	
CO-58	3.49E-02	
CO-60	5.19E-03	
FE-59	2.86E-04	1.18E-04
ZN-65	2.34E-04	1.17E-04
SR-89	9.29E-04	
SR-90	1.66E-05	

Liquid (Cont.)

ZR/NB-95	5.87E-04	
MO-99	3.70E-07	<1.85E-07
TC-99M	3.70E-07	
AG-110M	4.82E-05	
SB-125	7.57E-05	
I-131	1.90E-03	
I-132	1.06E-03	
I-133	6.30E-05	
I-135	1.48E-03	
XE-133	5.74E-01	
XE-135	3.62E-03	
CS-134	5.79E-02	
CS-136	8.38E-05	
CS-137	7.48E-02	
CE-141	7.36E-07	<3.68E-07
BA/LA-140	7.12E-06	<5.61E-07
ZR-97	2.20E-05	
NA-24	1.69E-04	
K-40	6.67E-05	
XE-133M	3.73E-03	
KR-85	8.38E-04	