

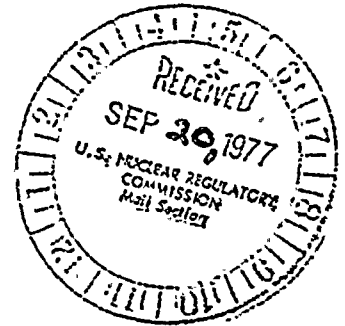
NIAGARA MOHAWK POWER CORPORATION

NIAGARA  MOHAWK

300 ERIE BOULEVARD, WEST
SYRACUSE, N. Y. 13202

September 16, 1977

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



Re: Nine Mile Point Unit 1
Docket No. 50-220
DPR-63

Gentlemen:

We have completed our review of the effluent and waste disposal data as requested by Mr. G. Lear's letter of August 26, 1977. The suggested corrections to this data are shown on the attached tables.

An amendment to our effluent and waste disposal semi-annual reports for Nine Mile Point Unit 1 will be forwarded under separate cover at a later date.

Very truly yours,

NIAGARA MOHAWK POWER CORPORATION


R. R. Schneider

Vice President-Electric Production

8103090369
PEF/szd

Attachment

1977 SEP 26 AM 7:10
OFFICE OF THE SECRETARY
D.C.

RECEIVED

FACILITY: NINE MILE POINT
TYPE: BWR
LOCATION: 8 MI NE OSHEGO NY
COOLING WATER SOURCE: LAKE ONTARIO

DOCKET NO: 50-220
LICENSED POWER (MWT): 1850.0 0.0 0.0
INITIAL CRITICALITY: 09/05/69

OPERATION

GROSS THERMAL GENERATION	13086781.0	MWTT
NET ELECTRICAL	4112827.0	MWHE
THERMAL CAPACITY FACTOR (DURING COMMERCIAL OPERATION)	76.8 -80.5	PER CENT

SUMMARY OF EFFLUENTS

AIRBORNE

A) TOTAL NOBLE GASES	1.76E+05	CURIES
B) TOTAL I-131	2.10E+00	CURIES
C) TOTAL HALOGENS (INCLUDING I-131)	8.64E+00	CURIES
D) TOTAL PARTICULATES	6.18E-02 <1.03 E-01	CURIES
E) TOTAL TRITIUM	1.85E+01	CURIES

LIQUID

A) TOTAL MIXED FISSION AND ACTIVATION PRODUCTS	2.14E+00	CURIES
B) TOTAL TRITIUM	2.46E+00	CURIES
C) DISSOLVED NOBLE GASES	5.67E-03 <5.58 E-03 *	CURIES
D) VOLUME OF LIQUID WASTE RELEASED	1.63E+06	LITERS
E) VOLUME OF DILUTION WATER	2.39E+11	LITERS

SOLID WASTE

A) VOLUME	5.38E+02	CUBIC METERS
B) ACTIVITY	2.61E+03 2.51 E+03	CURIES
C) NUMBER OF SHIPMENTS	8.60E+01	

* IF SUMMARY
VALUES ARE
DIFFERENT THAN
THE SUM OF
ISOTOPES PLEASE
EXPLAIN DISCREPANCY

AIRBORNE EFFLUENTS (CURIES)

NOBLE GAS

UNIDENTIFIED	1.60E+04
KR-85M	8.68E+03
KR-87	2.72E+04
KR-88	2.77E+04
XE-133	7.10E+03
XE-135	4.16E+04
XE-135M	2.58E+02
XE-138	4.78E+04

HALOGENS

I-131	2.10E+00
I-133	4.04E+00
I-135	1.70E+00

PARTICULATES

CR-51	8.44E-04
MN-54	1.77E-03
FE-59	7.98E-05
CU-58	2.04E-04
CO-60	1.55E-02
ZN-65	7.35E-05
SR-89	1.25E-02
SR-90	<1.14E-04
ZR-95	8.32E-05
NB-95	1.01E-04
RU-103	2.65E-05
RU-106	1.24E-04
CS-134	2.31E-03
CS-137	7.78E-03
CE-141	2.61E-04
CE-144	2.10E-04
LA-140	4.10E-02
BA/LA-140	2.06E-02

should not be reported separately
6.15 E-02

TRITIUM

H-3	1.85E+01
-----	----------

LIQUID EFFLUENTS (CURIES)

XE-133	<3.93E-03	*
XE-135	<1.74E-03	<1.65 E-03
I-131	1.62E-02	
I-133	2.74E-03	
NA-24	4.95E-02	
CR-51	1.21E-01	
HN-54	1.51E-01	
CO-58	4.46E-02	
FE-59	3.60E-03	
CO-60	6.15E-01	
AS-76	3.34E-02	
SR-89	7.46E-02	
SR-90	7.35E-03	
ZR/NB-95	1.73E-03	
MO-99	1.70E-03	
TC-99M	1.70E-03	
SB-124	1.09E-02	
CS-134	2.91E-01	
CS-137	5.17E-01	
BA/LA-140	3.32E-02	
CE-141	2.20E-03	
H-187	1.61E-01	
HP-239	4.10E-03	
UNIDENTIFIED	<1.00E-04	
TRITIUM		
H-3	2.46E+00	

*Corrections are due to a typographical error on Niagara Mohawk's part in reporting the third quarter XE-135 liquid effluent activity.

