

NRC FORM 195
(2-76)

U.S. NUCLEAR REGULATORY COMMISSION

DOCKET NUMBER
50-220

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FILE NUMBER
ENVIRONMENTAL

TO: NRC

FROM: Niagara Mohawk Pwr Corp
Syracuse, NY
R R Schneider

DATE OF DOCUMENT
9-16-77

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9-20-77

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DESCRIPTION

Re NRC ltr dtd 8-26-77.....trans the following:

. 1p

PLANT NAME: Nine Mile Pt #1
9-20-77. ehf

ENCLOSURE

corrections to data submitted in their 1976 semi-annual effluent release report

.....

3p

1 CY ENCL Rec'd *

FOR ACTION/INFORMATION

BRANCH CHIEF: **LEAR**

PROJECT MANAGER: **Nowicki**

LIC. ASST: (5) ** **Parrish**

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~~NRC-PDR~~

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LPDR: **Oswego, N.Y.**

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NIAGARA MOHAWK POWER CORPORATION

NIAGARA  MOHAWK

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

REGULATORY DOCKET FILE COPY

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

SEP 27 50 01 1 25

PEF/szd

Attachment

772640030

RECEIVED DOCUMENT
PROCESSING UNIT

1977 SEP 20 AM 7 52

FACILITY: NINE MILE POINT
 TYPE: BWR
 LOCATION: 8 MI NE OSWEGO 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	MWHT
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) DISOLVED 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



12 2

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	2.50E+02
XE-138	4.78E+04

HALOGENS

I-131	2.10E+00
I-133	4.84E+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
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2. 2

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	
MN-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	
NP-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.



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