

NRC FORM 195

(2-76)

U.S. NUCLEAR REGULATORY COMMISSION

DOCKET NUMBER

50-220

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FROM:

Niagara Mohawk Pwr Corp  
Syracuse, NY  
R R Schneider

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9-16-77

DATE RECEIVED

9-20-77

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DESCRIPTION

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

. 1p

ENCLOSURE

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

3p

PLANT NAME:

Nine Mile Pt #1

9-20-77.

,ehf

1 CY ENCL REC'D \*

## FOR ACTION/INFORMATION

BRANCH CHIEF:

LEAR

PROJECT MANAGER:

Nowicki

LIC. ASST: (5) \*\*

Parrish

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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 A 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 <del>-80.5</del>	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	<del>&lt;6.18E-02</del> <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	<del>&lt;5.67E-03</del> <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	<del>2.61E+03</del> 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	2.50E+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	<del>4.10E-02</del>
BA/LA-140	<del>2.06E-02</del>

should not be reported separately  
6.15 E-02

## TRITIUM

H-3	1.85E+01
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# LIQUID EFFLUENTS (CURIES)

XE-133	<3.93E-03	
XE-135	<del>&lt;1.74E-03</del>	<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	
KO-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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