

FACILITY: BIG ROCK POINT 1

DOCKET NO: 50-155

TYPE: BWR

LICENSED POWER LEVEL: 240

LOCATION: 4 MI NE CHARLEVOIX MI

INITIAL CRITICALITY: 09/27/62

COOLING WATER SOURCE: LAKE MICHIGAN

OPERATION

GROSS THERMAL GENERATION 977036.0 MWHT

NET ELECTRICAL 290532.1 MWHE

THERMAL CAPACITY FACTOR (DURING COMMERCIAL OPERATION) 46.5%

SUMMARY OF EFFLUENTS

AIRBORNE

A)	TOTAL NOBLE GASES	5.06E+04	CURIES
B)	TOTAL I-131	2.19E-02	CURIES
C)	TOTAL HALOGENS (INCLUDING I-131)	2.67E-01	CURIES
D)	TOTAL PARTICULATES	9.80E-02	CURIES
E)	TOTAL TRITIUM	7.39E+00	CURIES

LIQUID

A)	TOTAL MIXED FISSION AND ACTIVATION PRODUCTS	2.02E+00	CURIES
B)	TOTAL TRITIUM	5.73E+00	CURIES
C)	DISSOLVED NOBLE GASES	7.24E-03	CURIES
D)	VOLUME OF LIQUID WASTE RELEASED	4.58E+05	LITERS
E)	VOLUME OF DILUTION WATER	1.02E+11	LITERS

SOLID WASTE

50155-600

A) VOLUME  
 B) ACTIVITY  
 C) NUMBER OF SHIPMENTS

NR  
 1.57E+05  
 2.30E+01

CUBIC METERS  
 CURIES

AIRBORNE EFFLUENTS (CURIES)

NOBLE GAS

KR-83M	1.45E+03
KR-85	1.60E+02
KR-85M	2.80E+03
KR-87	8.55E+03
KR-88	6.16E+03
KR-89	5.96E+02
KR-90	2.70E+02
KR-91	<1.00E+00
KR-93	ND
KR-94	ND
XE-131M	3.70E+01
XE-133	5.79E+03
XE-133M	2.20E+02
XE-135	1.18E+04
XE-135M	2.24E+03
XE-137	9.26E+02
XE-138	8.17E+03
XE-139	4.01E+02
XE-140	2.34E+01
XE-141	ND
XE-142	ND

HALOGENS

I-131	2.17E-02
I-133	2.44E-02
I-135	2.21E-01

PARTICULATES

MN-54	4.56E-04
CO-58	5.28E-05
CO-60	5.13E-03
CS-134	4.22E-02
CS-137	1.95E-02
BA/LA-140	1.48E-02

UNIDENTIFIED BETA 1.58E-02  
 OTHER GASES

TRITIUM N-13 1.12E+03  
 H-3 7.39E+00

**LIQUID EFFLUENTS**

XE-133	4.85E-03
XE-135	2.39E-03
I-131	8.03E-03
MN-54	6.80E-02
CO-58	8.51E-04
FE-59	1.12E-03
CO-60	3.44E-01
ZN-65	4.14E-02
SR-89	8.80E-03
SR-90	1.77E-04
CS-134	1.67E-01
CS-137	5.16E-01
BA/LA-14C	3.02E-03
<b>TRITIUM</b>	
H-3	5.73E+00

**END**

**DATE FILMED**

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