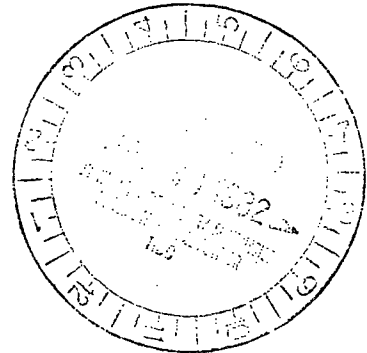




General Offices: 212 West Michigan Avenue, Jackson, MI 49201 • (517) 788-0550

January 20, 1982



M R Beebe
US Nuclear Regulatory Commission
Office of Management & Program Analysis
Management Information Branch
Washington, DC 20555

DOCKET 50-155 - LICENSE DPR-6 -
BIG ROCK POINT PLANT - SUMMARY
OF RADIOACTIVE EFFLUENTS - 1980

By NRC letter dated January 7, 1982, Consumers Power Company was requested to review and identify changes to the 1980 Summary of Radioactive Effluents for Big Rock Point Plant. The letter enclosed draft information to be used in a summary of radioactive effluents released report being performed by Brookhaven National Laboratories.

The enclosed corrected tables identify changes denoted by parenthesis around the revised number and a line in the right hand margin. Specifically note that the liquid effluents releases are made by batches and not by continuous release.

Thomas C Bordine
Staff Licensing Engineer

CC Director, Office of Nuclear Reactor Regulation
Administrator, Region III, USNRC
NRC Resident Inspector-Big Rock Point

Attachment

A007
S
1/1

oc0182-0014b142

8201260055 820120
PDR ADDCK 05000155
R PDR

INSTALLATION BIG ROCK POINT

LOCATION 4 MI NE CHARLEVOIX, MI

EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT FOR YEAR 1980
AIRBORNE AND LIQUID EFFLUENTS

UNIT NUMBER 1

LICENSEE CONSUMERS POWER

TYPE BWP

LICENSED POWER (MWT) 240.0

DOCKET NO. 50-155

INITIAL CRITICALITY 09/27/62

COOLING WATER SOURCE LAKE MICHIGAN

AIRBORNE EFFLUENTS

NUCLIDES RELEASED

ACTIVITY (CI)

N-13	1.56E+03
MN-54	2.47E-05
CO-58	8.20E-07
FE-59	4.73E-06
CO-60	1.18E-04
ZN-65	3.20E-06
BR-82	6.55E-03
KR-83M	3.83E+02
KR-85	(2.45E-02)
KD-85M	4.44E+02
KR-87	1.64E+03
KR-88	9.55E+02
KR-89	1.06E+03
KR-90	1.19E+03
KR-91	1.48E+01
SR-91	1.43E-02
I-131	1.07E-03
XE-131M	1.34E-01
I-133	1.00E-02
XE-133	9.11E+01
XE-133M	(6.69E+00)
I-135	1.25E-02
XE-135	1.30E+03
XE-135M	1.74E+03
CS-136	1.32E-04
CS-137	1.09E-04
XE-137	1.69E+03
XE-138	7.62E+03
XE-139	1.59E+03
HA+LA-140	1.18E-03
BA-140	4.50E-03
LA-140	1.45E-02
XE-140	1.60E+02
NP-239	5.34E-05
UNIDENTIFIED	7.90E-03

LIQUID EFFLUENTS

NUCLIDES RELEASED

ACTIVITY (CI)

CR-51	7.13E-03
MN-54	1.66E-02
FE-59	2.06E-03
CO-60	5.25E-02
SR-89	4.30E-04
SR-90	1.11E-03
I-131	4.34E-04

N/A=NOT APPLICABLE

N/D=NOT DETECTED

N/R=NOT REPORTED

8201260230 820120
PDR ADOCK 05000155
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INSTALLATION RIG ROCK POINT

LOCATION 4 MI NE CHARLEVOIX, MI

EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT FOR YEAR 1980
AIRBORNE AND LIQUID EFFLUENTS

LIQUID EFFLUENTS

NUCLIDES RELEASED	ACTIVITY (CI)
CS-134	3.36E-02
CS-137	5.53E-01
LA-140	1.38E-05
UNIDENTIFIED	1.14E-01

TRITIUM	(CI)
TOTAL AIRBORNE RELEASE	1.26E+01
TOTAL LIQUID RELEASE	6.18E+00

VOLUME OF LIQUID WASTE RELEASED (PRIOR TO DILUTION)	LITERS	2.25E+06
VOLUME OF DILUTION WATER USED DURING PERIOD	LITERS	8.28E+10

N/A=NOT APPLICABLE

N/D=NOT DETECTED

N/R=NOT REPORTED

INSTALLATION BIG ROCK POINT

LOCATION 4 MI NE CHARLEVOIX, MI

EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT FOR YEAR 1980
SUPPLEMENTAL INFORMATION

UNIT NUMBER 1

LICENSEE CONSUMERS POWER

TYPE BWR

LICENSED POWER (MWT) 240.0

DOCKET NO. 50-155

INITIAL CRITICALITY 09/27/62

COOLING WATER SOURCE LAKE MICHIGAN

MAXIMUM PERMISSIBLE CONCENTRATIONS (MICROCURI/ML)

MEASUREMENTS AND APPROXIMATIONS OF TOTAL RADIOACTIVITY

N/A=NOT APPLICABLE

N/D=NOT DETECTED

N/R=NOT REPORTED

INSTALLATION= RIG ROCK POINT

EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT FOR YEAR 1980
SOLID WASTES

IRRADIATED FUEL SHIPMENTS/DISPOSITION

NUMBER OF SHIPMENTS MODE OF TRANSPORTATION DESTINATION

SOLID WASTE DISPOSITION

NUMBER OF SHIPMENTS MODE OF TRANSPORTATION DESTINATION

5	TRUCK	BARNWELL S.C.
1	TRUCK	RICHLAND WA.

TYPE OF WASTE

UNIT

YEAR TOTAL

A. SPENT RESINS, FILTER SLUDGES, EVAPORATOR
BOTTOMS, ETC.

M3

1.20e+01

CI

3.01e+01

B. DRY COMPRESSIBLE WASTE, CONTAMINATED
EQUIPMENT, ETC.

M3

3.00e+01

CI

8.70e-01

C. IRRADIATED COMPONENTS, CONTROL
RODS, ETC.

M3

(N/A)

CI

(N/A)

D. OTHER

M3

(N/A)

CI

(N/A)

N/A=NOT APPLICABLE

N/D=NOT DETECTED

N/R=NOT REPORTED

INSTALLATION RIG ROCK POINT

LOCATION 4 MI NE CHARLEVOIX, MI

EFFLUENT AND WASTE DISPOSAL SEMI-ANNUAL REPORT FOR YEAR 1980
SUPPLEMENTAL INFORMATION

AVERAGE ENERGY (MEV/DISINTEGRATION)

	BETA		GAMMA	
	QUARTER 1	QUARTER 2	QUARTER 1	QUARTER 2
	(N/A)	(N/A)	(N/A)	(N/A)
BATCH RELEASES				
A. LIQUID				
1. NUMBER OF BATCH RELEASES-			13	2
2. TOTAL TIME PERIOD FOR BATCH RELEASE (MIN)-			4.29E 03	4.85E 02
3. MAXIMUM TIME PERIOD FOR A BATCH RELEASE (MIN)-			9.92E 02	2.65E 02
4. AVERAGE TIME PERIOD FOR BATCH RELEASES (MIN)-			3.30E 02	2.43E 02
5. MINIMUM TIME PERIOD FOR A BATCH RELEASE (MIN)-			2.60E 01	2.20E 02
6. AVERAGE STREAM FLOW DURING PERIODS OF RELEASE OF EFFLUENT INTO A FLOWING STREAM (LTS/MIN)-				
B. GASEOUS				
1. NUMBER OF BATCH RELEASES-			NONE	NONE
2. TOTAL TIME PERIOD FOR BATCH RELEASES (MIN)-				
3. MAXIMUM TIME PERIOD FOR A BATCH RELEASE (MIN)-				
4. AVERAGE TIME PERIOD FOR BATCH RELEASES (MIN)-				
5. MINIMUM PERIOD FOR A BATCH RELEASE (MIN)-				

ABNORMAL RELEASES

A. LIQUID				
1. NUMBER OF RELEASES			NONE	NONE
2. TOTAL ACTIVITY RELEASED (CURIES)				
B. GASEOUS				
1. NUMBER OF RELEASES			NONE	NONE
2. TOTAL ACTIVITY RELEASED (CURIES)				

N/A=NOT APPLICABLE
N/D=NOT DETECTED
N/R=NOT REPORTED

INSTALLATION RIG ROCK POINT

LOCATION 4 MI NE CHARLEVOIX, MI

EFFLUENT AND WASTE DISPOSAL SEMI-ANNUAL REPORT FOR YEAR 1980
SUPPLEMENTAL INFORMATION

AVERAGE ENERGY (MEV/DISINTEGRATION)

	BETA		GAMMA
QUARTER	QUARTER	QUARTER	QUARTER
3	4	3	4
(N/A)	(N/A)	(N/A)	(N/A)

BATCH RELEASES

A. LIQUID

1. NUMBER OF BATCH RELEASES-

QUARTER	QUARTER
3	4
6	19

2. TOTAL TIME PERIOD FOR BATCH RELEASE (MIN)-

1.31E 03 3.46E 03

3. MAXIMUM TIME PERIOD FOR A BATCH RELEASE (MIN)-

2.97E 02 3.46E 02

4. AVERAGE TIME PERIOD FOR BATCH RELEASES (MIN)-

2.19E 02 1.82E 02

5. MINIMUM TIME PERIOD FOR A BATCH RELEASE (MIN)-

1.54E 02 1.30E 01

6. AVERAGE STREAM FLOW DURING PERIODS OF RELEASE
OF EFFLUENT INTO A FLOWING STREAM (LTS/MIN)-

B. GASEOUS

NUMBER OF BATCH RELEASES-

NONE NONE

2. TOTAL TIME PERIOD FOR BATCH RELEASES (MIN)-

3. MAXIMUM TIME PERIOD FOR A BATCH RELEASE (MIN)-

4. AVERAGE TIME PERIOD FOR BATCH RELEASES (MIN)-

5. MINIMUM PERIOD FOR A BATCH RELEASE (MIN)-

ABNORMAL RELEASES

A. LIQUID

NUMBER OF RELEASES

NONE NONE

2. TOTAL ACTIVITY RELEASED (CURIES)

B. GASEOUS

1. NUMBER OF RELEASES

NONE NONE

2. TOTAL ACTIVITY RELEASED (CURIES)

N/A=NOT APPLICABLE

N/D=NOT DETECTED

N/R=NOT REPORTED

INSTALLATION=RIG ROCK POINT

EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT 1980

GASEOUS EFFLUENTS-SUMMATION OF ALL RELEASES

	UNIT	QUARTER 1	QUARTER 2	EST. TOTAL ERROR %
A. FISSION AND ACTIVATION GASES				
1. TOTAL RELEASE	CI	6.11E-03	6.55E-03	(N/A)
2. AVERAGE RELEASE RATE FOR PERIOD	UCI/SEC	7.77E-02	8.33E-02	
3. PERCENT OF TECHNICAL SPECIFICATION LIMIT	%	7.77E-02	8.33E-02	
B. IODINES				
1. TOTAL IODINE-131	CI	1.38E-04	2.34E-04	(N/A)
2. AVERAGE RELEASE RATE FOR PERIOD	UCI/SEC	1.76E-05	2.98E-05	
3. PERCENT OF TECHNICAL SPECIFICATION LIMIT	%	1.46E-03	2.48E-03	
C. PARTICULATES				
1. PARTICULATES WITH HALF-LIVES > 4 DAYS	CI	1.26E-03	1.84E-02	(N/A)
2. AVERAGE RELEASE RATE FOR PERIOD	UCI/SEC	1.61E-04	2.34E-03	
3. PERCENT OF TECHNICAL SPECIFICATION LIMIT	%	1.07E-02	4.67E-02	
4. GROSS ALPHA RADIOACTIVITY	CI	2.99E-07	4.25E-07	
D. TRITIUM				
1. TOTAL RELEASE	CI	3.38E-00	3.68E-00	(N/A)
2. AVERAGE RELEASE RATE FOR PERIOD	UCI/SEC	4.29E-01	4.68E-01	
3. PERCENT OF TECHNICAL SPECIFICATION LIMIT	%	1.79E-02	1.95E-02	

N/A=NOT APPLICABLE
N/D=NOT DETECTED
N/R=NOT REPORTED

INSTALLATION=915 ROCK POINT

EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT 1960

GASEOUS EFFLUENTS-SUMMATION OF ALL RELEASES

	UNIT	QUARTER 3	QUARTER 4	EST. TOTAL ERROR %
A. FISSION AND ACTIVATION GASES				
1. TOTAL RELEASE	CI	6.15E-03	2.64E-03	(N/A)
2. AVERAGE RELEASE RATE FOR PERIOD	UCI/SEC	7.74E-02	3.32E-02	
3. PERCENT OF TECHNICAL SPECIFICATION LIMIT	%	7.73E-02	3.32E-02	
B. IODINES				
1. TOTAL IODINE-131	CI	4.30E-04	2.69E-04	(N/A)
2. AVERAGE RELEASE RATE FOR PERIOD	UCI/SEC	5.41E-05	3.34E-05	
3. PERCENT OF TECHNICAL SPECIFICATION LIMIT	%	4.51E-03	2.82E-03	
C. PARTICULATES				
1. PARTICULATES WITH HALF-LIVES > 8 DAYS	CI	7.18E-03	1.46E-03	(N/A)
2. AVERAGE RELEASE RATE FOR PERIOD	UCI/SEC	9.03E-04	1.84E-04	
3. PERCENT OF TECHNICAL SPECIFICATION LIMIT	%	2.44E-02	9.97E-03	
4. GROSS ALPHA RADIOACTIVITY	CI	5.80E-07	5.31E-07	
D. TRITIUM				
1. TOTAL RELEASE	CI	3.79E-00	1.72E-00	(N/A)
2. AVERAGE RELEASE RATE FOR PERIOD	UCI/SEC	4.77E-01	(2.16E-01)	
3. PERCENT OF TECHNICAL SPECIFICATION LIMIT	%	1.99E-02	(9.03E-03)	

N/A=NOT APPLICABLE
N/D=NOT DETECTED
N/R=NOT REPORTED

INSTALLATION=BIG ROCK POINT

EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT 1980

GAS EFFLUENTS ELEVATED RELEASE

NUCLIDES RELEASED	UNIT	CONTINUOUS MODE		BATCH MODE	
		QUARTER	QUARTER	QUARTER	QUARTER
		1	2	1	2
FISSION GASES					
N-13	CI	4.32E 02	5.08E 02		
KR-83M	CI	1.32E 02	1.02E 02		
KR-85	CI	1.68E-03	(2.09E-02)		
KR-85M	CI	1.62E 02	1.21E 02		
KR-87	CI	5.58E 02	4.92E 02		
KR-88	CI	2.61E 02	3.17E 02		
KR-89	CI	3.72E 02	2.71E 02		
KR-90	CI	4.19E 02	3.03E 02		
KR-91	CI	5.21E 00	3.75E 00		
XE-131M	CI	3.85E-02	5.25E-02		
XE-133	CI	2.62E 01	3.36E 01		
XE-133M	CI	2.14E 00	(2.14E+00)		
XE-135	CI	2.06E 02	4.42E 02		
XE-135M	CI	6.07E 02	(4.49E+02)		
XE-137	CI	5.92E 02	4.32E 02		
XE-138	CI	1.64E 03	2.63E 03		
XE-139	CI	5.59E 02	4.04E 02		
XE-140	CI	5.63E 01	4.06E 01		
IODINES					
I-131	CI	1.38E-04	2.34E-04		
I-133	CI	1.29E-03	2.19E-03		
I-135	CI	1.62E-03	2.74E-03		
PARTICULATES					
CO-60	CI	3.09E-05	2.01E-05		
SR-82	CI	9.55E-04	1.63E-03		
SR-91	CI	(N/D)	1.25E-02		
CS-136	CI	9.21E-04	1.09E-04		
CS-137	CI	1.92E-05	4.35E-05		
LA-140	CI	2.72E-04	1.65E-03		
LA-140	CI	1.53E-03	6.25E-03		
UNIDENTIFIED	CI	9.71E-04	4.08E-03		

N/A=NOT APPLICABLE
N/D=NOT DETECTED
N/R=NOT REPORTED

INSTALLATION=BIG ROCK POINT

EFFLUENT AND WASTE DISPOSAL SEMI-ANNUAL REPORT 1980

GAS EFFLUENTS ELEVATED RELEASE

NUCLIDES RELEASED	UNIT	CONTINUOUS MODE		BATCH MODE	
		QUARTER 3	QUARTER 4	QUARTER 3	QUARTER 4
FISSION GASES					
N-13	CI	4.57E-02	1.65E-02		
KR-83M	CI	9.49E-01	5.20E-01		
KR-85	CI	1.23E-03	5.59E-04		
KR-85M	CI	1.11E-02	5.97E-01		
KR-87	CI	4.37E-02	1.49E-02		
KR-88	CI	2.59E-02	1.16E-02		
KR-89	CI	2.73E-02	1.46E-02		
KR-90	CI	3.07E-02	1.65E-02		
KR-91	CI	3.93E-00	2.05E-00		
XE-131M	CI	2.82E-02	1.51E-02		
XE-133	CI	2.11E-01	1.01E-01		
XE-133M	CI	1.57E-00	8.41E-01		
XE-135	CI	4.15E-02	1.50E-02		
XE-135M	CI	4.45E-02	2.39E-02		
XE-137	CI	4.34E-02	2.33E-02		
XE-138	CI	2.44E-03	9.08E-02		
XE-139	CI	4.10E-02	2.20E-02		
XE-140	CI	4.13E-01	2.22E-01		
IODINES					
I-131	CI	4.30E-04	2.69E-04		
I-133	CI	4.05E-03	2.51E-03		
I-135	CI	5.04E-03	3.15E-03		
PARTICULATES					
MN-54	CI	(N/D)	2.47E-05		
CO-58	CI	(N/D)	8.20E-07		
FE-59	CI	(N/D)	4.73E-06		
CO-60	CI	8.47E-06	5.86E-05		
ZN-65	CI	(N/D)	3.20E-06		
H2-H2	CI	2.67E-03	1.30E-03		
SR-91	CI	1.84E-03	(N/D)		
CS-136	CI	1.35E-05	(N/D)		
CS-137	CI	1.92E-05	2.61E-05		
HA+LA-140	CI	1.18E-03	(N/D)		
BA-140	CI	2.15E-03	4.67E-04		
LA-140	CI	4.51E-03	2.25E-03		
NP-239	CI	5.34E-05	(N/D)		
UNIDENTIFIED	CI	1.97E-03	8.77E-04		

N/A=NOT APPLICABLE

N/D=NOT DETECTED

N/R=NOT REPORTED

INSTALLATION=IG ROCK POINT

EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT 1980

LIQUID EFFLUENTS-SUMMATION OF ALL RELEASES

	UNIT	QUARTER 1	QUARTER 2	EST. TOTAL ERROR ±
A. FISSION AND ACTIVATION PRODUCTS				
1. TOTAL RELEASE (NOT INCLUDING TRITIUM, GASES, ALPHA)	CI	5.41E-01	1.54E-02	(N/A)
2. AVERAGE DILUTED CONCENTRATION DURING PERIOD	UCI/ML	2.54E-08	6.20E-10	
3. PERCENT OF APPLICABLE LIMIT	%	2.23E-01	8.13E-03	
B. TRITIUM				
1. TOTAL RELEASE	CI	2.60E 00	2.93E-02	(N/A)
2. AVERAGE DILUTED CONCENTRATION DURING PERIOD	UCI/ML	1.22E-07	1.18E-09	
3. PERCENT OF APPLICABLE LIMIT	%	4.07E-03	3.92E-05	
C. DISSOLVED AND ENTRAINED GASES				
1. TOTAL RELEASE	CI	(N/D)	(N/D)	(N/A)
2. AVERAGE DILUTED CONCENTRATION DURING PERIOD	UCI/ML			
3. PERCENT OF APPLICABLE LIMIT	%			
D. GROSS ALPHA RADIOACTIVITY				
1. TOTAL RELEASE	CI	1.05E-05	1.48E-06	(N/A)
E. VOLUME OF WASTE RELEASED (PRIOR TO DILUTION)				
	LITERS	1.95E 05	1.62E 06	
F. VOLUME OF DILUTION WATER USED DURING PERIOD				
	LITERS	2.13E 10	2.49E 10	

N/A=NOT APPLICABLE
N/D=NOT DETECTED
N/R=NOT REPORTED

INSTALLATION=PIG ROCK POINT

EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT 1980

LIQUID EFFLUENT-SUMMATION OF ALL RELEASES

	UNIT	QUARTER 3	QUARTER 4	EST. TOTAL ERROR %
A. FISSION AND ACTIVATION PRODUCTS				
1. TOTAL RELEASE (NOT INCLUDING TRITIUM)				
GASES (ALPHA)	CI	8.72E-02	1.38E-01	(N/A)
2. AVERAGE DILUTED CONCENTRATION				
DURING PERIOD	UCI/ML	3.41E-09	1.25E-08	
3. PERCENT OF APPLICABLE LIMIT	%	4.06E-02	1.53E-01	
B. TRITIUM				
1. TOTAL RELEASE				
	CI	1.30E 00	2.25E 00	(N/A)
2. AVERAGE DILUTED CONCENTRATION				
DURING PERIOD	UCI/ML	5.08E-08	2.05E-07	
3. PERCENT OF APPLICABLE LIMIT	%	1.69E-03	6.82E-03	
C. DISSOLVED AND ENTRAINED GASES				
1. TOTAL RELEASE				
	CI	(N/D)	(N/D)	(N/A)
2. AVERAGE DILUTED CONCENTRATION				
DURING PERIOD	UCI/ML			
3. PERCENT OF APPLICABLE LIMIT	%			
D. GROSS ALPHA RADIOACTIVITY				
1. TOTAL RELEASE				
	CI	4.03E-06	2.95E-05	(N/A)
E. VOLUME OF WASTE RELEASED (PRIOR TO DILUTION)				
	LITERS	1.10E 05	3.23E 05	
F. VOLUME OF DILUTION WATER USED DURING PERIOD				
	LITERS	2.56E 10	1.10E 10	

N/A=NOT APPLICABLE
N/D=NOT DETECTED
N/R=NOT REPORTED

INSTALLATION=BIG ROCK POINT

EFFLUENT AND WASTE DISPOSAL SEMI-ANNUAL REPORT 1980

LIQUID EFFLUENTS

NUCLIDES RELEASED	UNIT	CONTINUOUS MODE		BATCH MODE	
		QUARTER 1	QUARTER 2	QUARTER 1	QUARTER 2
MN-54	CI	5.61E-03	8.88E-05		
CO-60	CI	2.17E-02	1.23E-03		
SR-89	CI	2.03E-05	(N/D)		
SZ-90	CI	3.52E-04	1.62E-04		
CS-134	CI	2.91E-02	6.58E-04		
CS-137	CI	4.21E-01	1.08E-02		
LA-140	CI	1.38E-05	(N/D)		
UNIDENTIFIED	CI	8.40E-02	2.49E-03		

Releases made as
batches only - all
numbers should be listed
in batch mode columns.

These columns should
be blank.

N/A=NOT APPLICABLE
N/D=NOT DETECTED
N/R=NOT REPORTED

INSTALLATION=BIG ROCK POINT

EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT 1980

LIQUID EFFLUENTS

NUCLIDES RELEASED	UNIT	CONTINUOUS MODE		BATCH MODE	
		QUARTER 3	QUARTER 4	QUARTER 3	QUARTER 4
CR-51	CI	5.72E-03	1.35E-03	} Releases made as batches only - all numbers should be listed in batch mode columns.	
MN-54	CI	7.42E-04	1.01E-02		
FE-59	CI	(N/D)	2.06E-03		
CU-60	CI	3.97E-03	2.56E-02		
SR-89	CI	1.04E-04	3.06E-04		
SR-90	CI	1.25E-04	4.71E-04		
I-131	CI	4.34E-04	(N/D)		
CS-134	CI	2.92E-03	1.95E-03		
CS-137	CI	5.77E-02	6.33E-02		
UNIDENTIFIED	CI	1.54E-02	3.24E-02		

These columns should
be blank.

N/A=NOT APPLICABLE
N/D=NOT DETECTED
N/R=NOT REPORTED

INSTALLATION= PIG ROCK POINT

EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT 1980
(JANUARY - JUNE)

SOLID WASTE AND IRRADIATED FUEL SHIPMENTS

A. SOLID WASTE SHIPPED OFFSITE FOR BURIAL OR DISPOSAL (NOT IRRADIATED FUEL)

1. TYPE OF WASTE	UNIT	6-MONTH PERIOD	EST. TOTAL \$2000.00
A. SPENT RESINS, FILTER SLUDGES, EVAPORATOR BOTTOMS, ETC.	M3 CI	4.81E 00 9.76E 00	(N/A)
H. DRY COMPRESSIBLE WASTE, CONTAMINATED EQUIPMENT, ETC.	M3 CI	(N/A) (N/A)	
C. IRRADIATED COMPONENTS, CONTROL RODS, ETC.	M3 CI	(N/A) (N/A)	
D. OTHER (DESCRIBE)	M3 CI	(N/A) (N/A)	

3. SOLID WASTE DISPOSITION-

NUMBER OF SHIPMENTS	MODE OF TRANSPORTATION	DESTINATION
2	TRUCK	BARNWELL S.C.

B. IRRADIATED FUEL SHIPMENTS (DISPOSITION)

NUMBER OF SHIPMENTS	MODE OF TRANSPORTATION	DESTINATION
0		

N/A=NOT APPLICABLE
N/D=NOT DETECTED
N/R=NOT REPORTED

INSTALLATION= BIG ROCK POINT

EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT 1980
(JULY-DECEMBER)

SOLID WASTE AND IRRADIATED FUEL SHIPMENTS

A. SOLID WASTE SHIPPED OFFSITE FOR BURIAL OR DISPOSAL (NOT IRRADIATED FUEL)

1. TYPE OF WASTE	UNIT	6-MONTH PERIOD	EST. TOTAL ERROR, %
A. SPENT RESINS, FILTER SLUDGES, EVAPORATOR BOTTOMS, ETC.	M3 CI	7.22E 00 2.03E 01	(N/A)
B. DRY COMPRESSIBLE WASTE, CONTAMINATED EQUIPMENT, ETC.	M3 CI	3.00E 01 8.70E-01	
C. IRRADIATED COMPONENTS, CONTROL RODS, ETC.	M3 CI	(N/A) (N/A)	
D. OTHER (DESCRIBE)	M3 CI	(N/A) (N/A)	

3. SOLID WASTE DISPOSITION-

NUMBER OF SHIPMENTS	MODE OF TRANSPORTATION	DESTINATION
1	TRUCK	RICHLAND WA.
3	TRUCK	BARNWELL S.C.

B. IRRADIATED FUEL SHIPMENTS (DISPOSITION)

NUMBER OF SHIPMENTS	MODE OF TRANSPORTATION	DESTINATION
0		

N/A=NOT APPLICABLE
N/D=NOT DETECTED
N/R=NOT REPORTED