

VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

October 10, 1980

Mr. M. R. Beebe
U. S. Nuclear Regulatory Commission
Office of Management and Program Analysis
Licensee Operations Evaluation Branch
Washington, D. C. 20555

Serial No. 829
NO/RMT:ms
Docket Nos. 50-280
50-281
License Nos. DPR-32
DPR-37

Dear Mr. Beebe:

We are forwarding the enclosed draft copies of summary data sheets which you sent for our comment and review. The recommended changes are shown marked on the sheets and presented in summation on the attached Table of Changes.

Very truly yours,



B. R. Sylvia
Manager - Nuclear
Operations and Maintenance

Enclosures

cc: Mr. R. A. Hartfield, Chief
Licensee Operations Evaluation Branch
Office of Management and Program Analysis

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TABLE OF CHANGES

| <u>Page Title</u> | <u>Quarter</u> | <u>Change</u> |
|-------------------------------------|----------------|--|
| Effluent and Waste Disposal - Supp. | N/A | MPC: N/R Total Rad.: N/R |
| Effluent and Waste Disposal - Supp. | 1 & 2 | Avg. Energy: Beta - N/R Gamma - N/R |
| | 1 & 2 | A. 1-6: N/R B. 2-5: N/R A. N/R B. N/R |
| Effluent and Waste Disposal - Supp. | 3 & 4 | Avg. Energy: Beta - N/R Gamma - N/R |
| | | A. 1-6: N/R B. 2-5: N/R A. N/R B. N/R |
| Gaseous Effluents | 3 | B.3: Delete 1.42E-04 and enter 4.26E-04 |
| | 4 | B.3: Delete 5.94E-03 and enter 1.78E-02 |
| | 3 | C.3: Delete 2.36E-02 and enter 7.08E-02 |
| | 4 | C.3: Delete 7.90E-04 and enter 2.37E-03 |
| Liquid Effluents | 2 | I-131: Delete 2.50E-02 and enter 2.54E-02 |
| | 4 | NA-24: Delete 2.68E-01 and enter 2.64E-01 |
| Liquid Effluents - Summation | 1 | E. Delete 1.39E08 and enter 1.27E08 |
| Liquid Effluents - Summation | 3 | A.2: Delete 8.47E-10 and enter 8.48E-10 |

INSTALLATION SUPRY

LOCATION 19 MI NW NEWPORT NEWS

EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT FOR YEAR 1978
SUPPLEMENTAL INFORMATION

UNIT NUMBER 1

TYPE PWR

DOCKET NO. 50-280

COOLING WATER SOURCE JAMES RIVER

LICENSEE VIRGINIA ELECTRIC & POWER

LICENSED POWER (MWT) 2441.0

INITIAL CRITICALITY 07/01/72

UNIT NUMBER 2

TYPE PWR

DOCKET NO. 50-281

COOLING WATER SOURCE JAMES RIVER

LICENSEE VIRGINIA ELECTRIC & POWER

LICENSED POWER (MWT) 2441.0

INITIAL CRITICALITY 03/07/73

MAXIMUM PERMISSIBLE CONCENTRATIONS (MICROCURI/ML) N/R

MEASUREMENTS AND APPROXIMATIONS OF TOTAL RADIOACTIVITY N/R

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

INSTALLATION SURRY

LOCATION 19 MI NW NEWPORT NEWS

EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT FOR YEAR 1978
SUPPLEMENTAL INFORMATION

AVERAGE ENERGY (MEV/DISINTEGRATION)

| BETA | | GAMMA | |
|---------|---------|---------|---------|
| QUARTER | QUARTER | QUARTER | QUARTER |
| 1 | 2 | 1 | 2 |
| N/R | N/R | N/R | N/R |

BATCH RELEASES

A. LIQUID

| QUARTER | QUARTER |
|---------|---------|
| 1 | 2 |

1. NUMBER OF BATCH RELEASES-
2. TOTAL TIME PERIOD FOR BATCH RELEASE (MIN)-
3. MAXIMUM TIME PERIOD FOR A BATCH RELEASE (MIN)-
4. AVERAGE TIME PERIOD FOR BATCH RELEASES (MIN)-
5. MINIMUM TIME PERIOD FOR A BATCH RELEASE (MIN)-
6. AVERAGE STREAM FLOW DURING PERIODS OF RELEASE
OF EFFLUENT INTO A FLOWING STREAM (LTS/MIN)-

N/R

B. GASEOUS

1. NUMBER OF BATCH RELEASES-
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)-

N/R

ABNORMAL RELEASES

A. LIQUID

1. NUMBER OF RELEASES
2. TOTAL ACTIVITY RELEASED (CURIES)

N/R

B. GASEOUS

1. NUMBER OF RELEASES
2. TOTAL ACTIVITY RELEASED (CURIES)

N/R

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

INSTALLATION SURRY

LOCATION 19 MI NW NEWPORT NEWS

EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT FOR YEAR 1978
SUPPLEMENTAL INFORMATION

AVERAGE ENERGY (MEV/DISINTEGRATION)

| BETA | | GAMMA | |
|-----------|-----------|-----------|-----------|
| QUARTER 3 | QUARTER 4 | QUARTER 3 | QUARTER 4 |
| N/R | N/R | N/R | N/R |

BATCH RELEASES

A. LIQUID

| QUARTER 3 | QUARTER 4 |
|-----------|-----------|
| N/R | N/R |

1. NUMBER OF BATCH RELEASES-
2. TOTAL TIME PERIOD FOR BATCH RELEASE (MIN)-
3. MAXIMUM TIME PERIOD FOR A BATCH RELEASE (MIN)-
4. AVERAGE TIME PERIOD FOR BATCH RELEASES (MIN)-
5. MINIMUM TIME PERIOD FOR A BATCH RELEASE (MIN)-
6. AVERAGE STREAM FLOW DURING PERIODS OF RELEASE OF EFFLUENT INTO A FLOWING STREAM (LTS/MIN)-

N/R

B. GASEOUS

1. NUMBER OF BATCH RELEASES-
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)-

N/R

ABNORMAL RELEASES

A. LIQUID

1. NUMBER OF RELEASES
2. TOTAL ACTIVITY RELEASED (CURIES)

N/R

B. GASEOUS

1. NUMBER OF RELEASES
2. TOTAL ACTIVITY RELEASED (CURIES)

N/R

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

INSTALLATION=SURRY

EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT 1978

GASEOUS EFFLUENTS-SUMMATION OF ALL RELEASES

| | UNIT | QUARTER 1 | QUARTER 2 | EST. TOTAL ERROR, % |
|---|---------|--------------|--------------|------------------------|
| A. FISSION AND ACTIVATION GASES | | | | |
| 1. TOTAL RELEASE | CI | 7.70E 02 | 1.70E 03 | |
| 2. AVERAGE RELEASE RATE FOR PERIOD | UCI/SEC | | | |
| 3. PERCENT OF TECHNICAL SPECIFICATION LIMIT | % | 1.77E-01 | 3.71E-01 | |
| B. IODINES | | | | |
| 1. TOTAL IODINE-131 | CI | 2.88E-04 | 5.93E-02 | |
| 2. AVERAGE RELEASE RATE FOR PERIOD | UCI/SEC | | | |
| 3. PERCENT OF TECHNICAL SPECIFICATION LIMIT | % | 6.44E-04 | 2.22E-01 | |
| C. PARTICULATES | | | | |
| 1. PARTICULATES WITH HALF-LIVES > 8 DAYS | CI | 3.69E-05 | 3.03E-04 | |
| 2. AVERAGE RELEASE RATE FOR PERIOD | UCI/SEC | | | |
| 3. PERCENT OF TECHNICAL SPECIFICATION LIMIT | % | 5.74E-04 | 1.23E-03 | |
| 4. GROSS ALPHA RADIOACTIVITY | CI | 2.37E-06 | 1.45E-05 | |
| D. TRITIUM | | | | |
| 1. TOTAL RELEASE | CI | 1.32E 02 | 1.43E 01 | |
| 2. AVERAGE RELEASE RATE FOR PERIOD | UCI/SEC | | | |
| 3. PERCENT OF TECHNICAL SPECIFICATION LIMIT | % | | | |

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

INSTALLATION=SUPRY

EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT 1978

GASEOUS EFFLUENTS-SUMMATION OF ALL RELEASES

| | UNIT | QUARTER 3 | QUARTER 4 | EST. TOTAL ERROR, % |
|---|---------|--------------|--------------|------------------------|
| A. FISSION AND ACTIVATION GASES | | | | |
| 1. TOTAL RELEASE | CI | 2.34E 02. | 1.66E 03. | |
| 2. AVERAGE RELEASE RATE FOR PERIOD | UCI/SEC | | | |
| 3. PERCENT OF TECHNICAL SPECIFICATION LIMIT | % | 1.92E-02. | 3.58E-01. | |
| B. IODINES | | | | |
| 1. TOTAL IODINE-131 | CI | 3.93E-05. | 1.74E-03. | |
| 2. AVERAGE RELEASE RATE FOR PERIOD | UCI/SEC | | | |
| 3. PERCENT OF TECHNICAL SPECIFICATION LIMIT | % | 1.42E-04 | 5.94E-03 | |
| | | 4.26E-04 | 1.78E-02 | |
| C. PARTICULATES | | | | |
| 1. PARTICULATES WITH HALF-LIVES > 8 DAYS | CI | 2.96E-03. | 2.13E-04. | |
| 2. AVERAGE RELEASE RATE FOR PERIOD | UCI/SEC | 7.08E-02 | 2.37E-03 | |
| 3. PERCENT OF TECHNICAL SPECIFICATION LIMIT | % | 2.36E-02 | 7.98E-04 | |
| 4. GROSS ALPHA RADIOACTIVITY | CI | 3.66E-05. | 9.75E-06. | |
| D. TRIIUM | | | | |
| 1. TOTAL RELEASE | CI | 5.01E 01. | 2.36E 01. | |
| 2. AVERAGE RELEASE RATE FOR PERIOD | UCI/SEC | | | |
| 3. PERCENT OF TECHNICAL SPECIFICATION LIMIT | % | | | |

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N/R=NOT REPORTED

INSTALLATION=SURRY

EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT 1978

GAS EFFLUENTS GROUND RELEASE

| NUCLIDES RELEASED | UNIT | CONTINUOUS MODE | | BATCH MODE | |
|-------------------|------|-----------------|-----------|------------|---------|
| | | QUARTER | QUARTER | QUARTER | QUARTER |
| | | 1 | 2 | 1 | 2 |
| FISSION GASES | | | | | |
| AR-41 | CI | 6.50E-01. | 4.45E-03. | | |
| KR-85 | CI | 7.07E-01. | 2.59E 01. | | |
| KR-85M | CI | 3.87E-02. | 3.15E-04. | | |
| KR-87 | CI | 3.95E-02. | | | |
| KR-88 | CI | 7.21E-02. | | | |
| XE-133 | CI | 7.51E 02. | 1.63E 03. | | |
| XE-133M | CI | 1.21E 00. | 1.19E 01. | | |
| XE-135 | CI | 1.42E 01. | 2.16E 01. | | |
| IODINES | | | | | |
| I-131 | CI | 1.69E-04. | 5.92E-02. | | |
| I-132 | CI | 1.04E-06. | 2.93E-04. | | |
| I-133 | CI | 4.69E-06. | 1.68E-04. | | |
| I-135 | CI | 1.78E-07. | | | |
| PARTICULATES | | | | | |
| CO-58 | CI | 4.64E-05. | 1.79E-04. | | |
| CO-60 | CI | 7.71E-05. | 1.21E-04. | | |
| CS-134 | CI | 2.14E-05. | 2.28E-06. | | |
| CS-137 | CI | 3.58E-06. | 1.91E-05. | | |
| CS-138 | CI | 5.43E-03. | 5.13E-06. | | |
| MN-54 | CI | 3.35E-06. | 2.49E-06. | | |
| RB-88 | CI | 2.51E-04. | | | |

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INSTALLATION=SURRY

EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT 1978

GAS EFFLUENTS GROUND RELEASE

| NUCLIDES RELEASED | UNIT | CONTINUOUS MODE | | BATCH MODE | |
|-------------------|------|-----------------|--------------|--------------|--------------|
| | | QUARTER 3 | QUARTER 4 | QUARTER 3 | QUARTER 4 |
| FISSION GASES | | | | | |
| AR-41 | CI | 1.26E 00. | 5.03E-01. | | |
| KR-85 | CI | | 2.27E-01. | | |
| KR-85M | CI | 9.72E-02. | 8.18E-01. | | |
| KR-87 | CI | 5.54E-03. | 5.29E-01. | | |
| KR-88 | CI | | 9.23E-01. | | |
| XE-133 | CI | 6.76E 01. | 1.62E 03. | | |
| XE-133M | CI | 3.90E-06. | 7.56E 00. | | |
| XE-135 | CI | 4.73E 00. | 2.01E 01. | | |
| IODINES | | | | | |
| I-131 | CI | 3.77E-05. | 1.59E-03. | | |
| I-132 | CI | | 8.47E-05. | | |
| I-133 | CI | 1.57E-06. | 4.05E-05. | | |
| I-134 | CI | | 4.42E-06. | | |
| I-135 | CI | | 1.54E-05. | | |
| PARTICULATES | | | | | |
| CO-58 | CI | 5.27E-03. | 8.90E-05. | | |
| CO-60 | CI | 9.83E-04. | 8.94E-05. | | |
| CS-134 | CI | 2.98E-06. | 1.63E-07. | | |
| CS-137 | CI | 2.09E-05. | 6.98E-06. | | |
| CS-138 | CI | 3.51E-04. | 1.82E-02. | | |
| MN-54 | CI | 2.47E-05. | 2.57E-05. | | |
| RB-88 | CI | 1.09E-05. | 6.69E-03. | | |

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INSTALLATION=SURRY

EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT 1978

LIQUID EFFLUENTS

| NUCLIDES RELEASED | UNIT | CONTINUOUS MODE | | BATCH MODE | |
|-------------------|------|-----------------|----------|------------|---------|
| | | QUARTER | QUARTER | QUARTER | QUARTER |
| | | 1 | 2 | 1 | 2 |
| AR-41 | CI | 4.74E-05 | 6.45E-04 | | |
| BA-LA-140 | CI | 2.69E-03 | 2.48E-05 | | |
| CE-141 | CI | 2.57E-04 | 1.53E-04 | | |
| CE-144 | CI | | 5.36E-04 | | |
| CO-57 | CI | 1.95E-03 | 1.30E-03 | | |
| CO-58 | CI | 2.42E-01 | 6.15E-01 | | |
| CO-60 | CI | 2.45E-01 | 4.25E-01 | | |
| CR-51 | CI | 7.54E-02 | 3.01E-01 | | |
| CS-134 | CI | 5.71E-02 | 4.03E-02 | | |
| CS-136 | CI | 1.44E-03 | | | |
| CS-137 | CI | 1.19E-01 | 9.48E-02 | | |
| CS-138 | CI | 1.88E-02 | | | |
| C-14 | CI | 4.88E-03 | 1.82E-03 | | |
| FE-59 | CI | 1.17E-03 | 1.22E-03 | | |
| I-131 | CI | 3.34E-02 | 2.50E-02 | 2.54E-02 | |
| I-132 | CI | 4.31E-02 | 7.46E-04 | | |
| I-133 | CI | 4.49E-02 | 5.07E-03 | | |
| I-134 | CI | 4.30E-02 | | | |
| I-135 | CI | 5.27E-02 | 5.16E-04 | | |
| MN-54 | CI | 1.46E-02 | 4.65E-02 | | |
| NA-24 | CI | 5.92E-01 | 1.58E-03 | | |
| NB-95 | CI | 7.35E-03 | 2.48E-02 | | |
| RB-88 | CI | 3.46E-03 | | | |
| SR-89 | CI | 2.60E-04 | | | |
| SR-90 | CI | 4.46E-04 | 2.38E-05 | | |
| XE-133 | CI | 6.09E-01 | 9.81E-01 | | |
| XE-135 | CI | 8.91E-02 | 4.98E-02 | | |

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INSTALLATION=SURRY

EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT 1978

LIQUID EFFLUENTS

| NUCLIDES RELEASED | UNIT | CONTINUOUS MODE | | BATCH MODE | |
|-------------------|------|-----------------|-------------------|--------------|--------------|
| | | QUARTER 3 | QUARTER 4 | QUARTER 3 | QUARTER 4 |
| AR-41 | CI | 2.06E-04 | 1.82E-02 | | |
| BA-LA-140 | CI | 3.44E-05 | 2.41E-05 | | |
| CE-141 | CI | | 3.04E-06 | | |
| CE-144 | CI | 2.79E-04 | 4.07E-04 | | |
| CO-57 | CI | 6.62E-04 | 6.53E-04 | | |
| CO-58 | CI | 7.62E-01 | 5.57E-01 | | |
| CO-60 | CI | 5.62E-01 | 4.66E-01 | | |
| CR-51 | CI | 4.50E-02 | 1.05E-02 | | |
| CS-134 | CI | 2.66E-01 | 2.67E-01 | | |
| CS-136 | CI | | 9.48E-03 | | |
| CS-137 | CI | 5.43E-01 | 6.21E-01 | | |
| C-14 | CI | 1.91E-03 | 4.10E-03 | | |
| FE-59 | CI | 4.44E-04 | 6.58E-04 | | |
| I-131 | CI | 2.06E-03 | 7.79E-01 | | |
| I-132 | CI | 8.63E-03 | 7.92E-01 | | |
| I-133 | CI | 3.22E-03 | 5.38E-01 | | |
| I-134 | CI | 1.10E-02 | 1.20E-01 | | |
| I-135 | CI | 6.05E-03 | 3.42E-01 | | |
| KR-85 | CI | 6.56E-02 | 3.05E-01 | | |
| MN-54 | CI | 1.64E-02 | 7.69E-03 | | |
| NA-24 | CI | 4.77E-02 | 2.68E-01 2.64E-01 | | |
| NB-95 | CI | 7.09E-03 | 7.13E-04 | | |
| RB-88 | CI | | 1.68E-02 | | |
| SR-89 | CI | | 4.32E-04 | | |
| XE-133 | CI | 8.65E-02 | 8.85E-01 | | |
| XE-135 | CI | 2.63E-02 | 1.90E-01 | | |

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

INSTALLATION=SURRY

EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT 197A

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 | 7.10E-01 | 4.44E-01 | |
| 2. AVERAGE DILUTED CONCENTRATION DURING PERIOD | UCI/ML | 9.33E-10 | 7.77E-10 | |
| 3. PERCENT OF APPLICABLE LIMIT | % | | | |
| B. TRITIUM | | | | |
| 1. TOTAL RELEASE | CI | 2.27E 02 | 1.32E 02 | |
| 2. AVERAGE DILUTED CONCENTRATION DURING PERIOD | UCI/ML | 3.25E-07 | 2.14E-07 | |
| 3. PERCENT OF APPLICABLE LIMIT | % | | | |
| C. DISSOLVED AND ENTRAINED GASES | | | | |
| 1. TOTAL RELEASE | CI | 1.79E 00 | 1.14E 00 | |
| 2. AVERAGE DILUTED CONCENTRATION DURING PERIOD | UCI/ML | 2.72E-09 | 1.67E-09 | |
| 3. PERCENT OF APPLICABLE LIMIT | % | | | |
| D. GROSS ALPHA RADIOACTIVITY | | | | |
| 1. TOTAL RELEASE | CI | 1.38E-05 | 3.98E-05 | |
| E. VOLUME OF WASTE RELEASED (PRIOR TO DILUTION) | | | | |
| | LITERS | 1.39E 08 3.50E-09 | 1.27E 08 | |
| F. VOLUME OF DILUTION WATER USED DURING PERIOD | | | | |
| | LITERS | 6.92E 11 | 5.77E 11 | |

N/A=NOT APPLICABLE

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N/R=NOT REPORTED

INSTALLATION=SURRY

EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT 1978

LIQUID EFFLUENTS-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 | 5.35E-01 | 7.20E-01 | |
| 2. AVERAGE DILUTED CONCENTRATION DURING PERIOD | UCI/ML | 8.48E-10 | 1.27E-09 | |
| 3. PERCENT OF APPLICABLE LIMIT | % | | | |
| B. TRITIUM | | | | |
| 1. TOTAL RELEASE | CI | 1.62E 02 | 2.26E 02 | |
| 2. AVERAGE DILUTED CONCENTRATION DURING PERIOD | UCI/ML | 2.76E-07 | 3.72E-07 | |
| 3. PERCENT OF APPLICABLE LIMIT | % | | | |
| C. DISSOLVED AND ENTRAINED GASES | | | | |
| 1. TOTAL RELEASE | CI | 1.98E-01 | 1.43E 00 | |
| 2. AVERAGE DILUTED CONCENTRATION DURING PERIOD | UCI/ML | 2.99E-10 | 2.48E-09 | |
| 3. PERCENT OF APPLICABLE LIMIT | % | | | |
| D. GROSS ALPHA RADIOACTIVITY | | | | |
| 1. TOTAL RELEASE | CI | 2.48E-05 | 1.98E-05 | |
| E. VOLUME OF WASTE RELEASED (PRIOR TO DILUTION) | LITERS | 1.23E 08 | 1.95E 08 | |
| F. VOLUME OF DILUTION WATER USED DURING PERIOD | LITERS | 6.39E 11 | 5.93E 11 | |

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

INSTALLATION= SUPRY

EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT 1978
(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 ERROR, % |
|--|----------|----------------------|------------------------|
| A. SPENT RESINS, FILTER SLUDGES, EVAPORATOR BOTTOMS, ETC. | M3 CI | 2.89E 02 3.06E 02 | |
| B. DRY COMPRESSIBLE WASTE, CONTAMINATED EQUIPMENT, ETC. | M3 CI | | |
| C. IRRADIATED COMPONENTS, CONTROL RODS, ETC. | M3 CI | | |
| D. OTHER (DESCRIBE) | M3 CI | | |

3. SOLID WASTE DISPOSITION-

| NUMBER OF SHIPMENTS | MODE OF TRANSPORTATION | DESTINATION |
|---------------------|------------------------|-------------|
|---------------------|------------------------|-------------|

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BARNWELL S.C.

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

INSTALLATION= SURRY

EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT 197A
(JULY-DECEMBER)

SOLID WASTE AND IRRADIATED FUEL SHIPMENTS

A. SOLID WASTE SHIPPED OFFSITE FOR BUPIAL 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 | 3.14E 02 | |
| | CI | 2.60E 02 | |
| B. DRY COMPRESSIBLE WASTE, CONTAMINATED EQUIPMENT, ETC. | M3 | | |
| | CI | | |
| C. IRRADIATED COMPONENTS, CONTROL RODS, ETC. | M3 | | |
| | CI | | |
| D. OTHER (DESCRIBE) | M3 | | |
| | CI | | |

3. SOLID WASTE DISPOSITION-

| NUMBER OF SHIPMENTS | MODE OF TRANSPORTATION | DESTINATION |
|---------------------|------------------------|-------------|
|---------------------|------------------------|-------------|

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BARNWELL S.C.

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