

GE NUCLEAR ENERGY PRODUCTION  
WILMINGTON, NORTH CAROLINA

NRC LICENSE SNM 1097, DOCKET # 70-1113

SEMI-ANNUAL EFFLUENT REPORT

JANUARY 1997 - JUNE 1997  
(FISCAL WEEKS 1 - 26)

I. GASEOUS EFFLUENT-PARTICULATE

| NUCLIDES | QUANTITY-CURIES |
|----------|-----------------|
|----------|-----------------|

|      |                  |
|------|------------------|
| U234 | <u>6.10 E-05</u> |
| U235 | <u>2.41 E-06</u> |
| U236 | <u>1.19 E-07</u> |
| U238 | <u>9.27 E-06</u> |

- EXHAUST VOLUME (CUBIC CENTIMETERS) 1594.3 E+12
- AVERAGE CONCENTRATION FOR ALL STACKS (uCi/cc) 0.046 E-12
- SAMPLING IS CONTINUOUS.
- LOWER LEVEL OF DETECTION: 1E-14  $\mu$ Ci/ml.
- ABNORMAL RELEASES:  
TOTAL NUMBER OF RELEASES= 0  
TOTAL ACTIVITY RELEASED = 0.00 E00 CURIES

II. LIQUID EFFLUENT

| NUCLIDES | QUANTITY-CURIES |
|----------|-----------------|
|----------|-----------------|

|      |                       |
|------|-----------------------|
| U234 | <u>1.32 1.35 E-02</u> |
| U235 | <u>5.20 5.33 E-04</u> |
| U236 | <u>2.58 2.64 E-05</u> |
| U238 | <u>2.00 2.05 E-03</u> |

- SAMPLES ANALYZED ARE REPRESENTATIVE, CONTINUOUS COMPOSITE SAMPLES OF PROCESS EFFLUENT STREAM.
- TOTAL VOLUME OF LIQUID EFFLUENT (LITERS) 4.05 E+08
- ABNORMAL RELEASES  
TOTAL NUMBER OF RELEASES= 0  
TOTAL ACTIVITIES RELEASED = 0.00E00 CURIES.

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C PDR