

GE NUCLEAR ENERGY PRODUCTION
WILMINGTON, NORTH CAROLINA

NRC LICENSE SNM 1097, DOCKET # 70-1113

SEMI-ANNUAL EFFLUENT REPORT

JULY 1996 - DECEMBER 1996
(FISCAL WEEKS 27 - 52)

I. GASEOUS EFFLUENT-PARTICULATE

NUCLIDES	QUANTITY-CURIES
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U234	<u>5.19 E-05</u>
U235	<u>1.99 E-06</u>
U236	<u>5.95 E-08</u>
U238	<u>7.78 E-06</u>

- EXHAUST VOLUME (CUBIC CENTIMETERS) 1.52 E+15
- AVERAGE CONCENTRATION FOR ALL STACKS (uCi/cc) 0.041 E-12
- SAMPLING IS CONTINUOUS.
- LOWER LEVEL OF DETECTION: $1\text{E-}14 \mu\text{Ci/ml}$.
- ABNORMAL RELEASES:
TOTAL NUMBER OF RELEASES= 0.00E00
TOTAL ACTIVITY RELEASED = 0.00E00 CURIES

II. LIQUID EFFLUENT

NUCLIDES	QUANTITY-CURIES
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U234	<u>2.70 E-02</u>
U235	<u>1.04 E-03</u>
U236	<u>3.10 E-05</u>
U238	<u>4.05 E-03</u>

- SAMPLES ANALYZED ARE REPRESENTATIVE, CONTINUOUS
COMPOSITE SAMPLES OF PROCESS EFFLUENT STREAM
OBTAINED EVERY TWO-THREE MINUTES.
- TOTAL VOLUME OF LIQUID EFFLUENT (LITERS) 4.53 E+8
- ABNORMAL RELEASES
TOTAL NUMBER OF RELEASES= 0
TOTAL ACTIVITIES RELEASED = 0.00E00 CURIES.

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