

GE NUCLEAR ENERGY PRODUCTION
WILMINGTON, NORTH CAROLINA

NRC LICENSE SNM 1097, DOCKET # 70-1113

SEMI-ANNUAL EFFLUENT REPORT

JANUARY 1996 - JUNE 1996
(FISCAL WEEKS 1 - 26)

I. GASEOUS EFFLUENT-PARTICULATE

NUCLIDES	QUANTITY-CURIES
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U234	<u>4.28 E-5</u>
U235	<u>1.75 E-6</u>
U236	<u>6.28 E-8</u>
U238	<u>6.72 E-6</u>

- EXHAUST VOLUME (CUBIC CENTIMETERS) 15.42 E+14
- AVERAGE CONCENTRATION FOR ALL STACKS (uCi/cc) 0.033 E-12
- SAMPLING IS CONTINUOUS.
- LOWER LEVEL OF DETECTION: 1E-14 μ 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>2.27 E-2</u>
U235	<u>9.23 E-4</u>
U236	<u>3.32 E-5</u>
U238	<u>3.55 E-3</u>

- SAMPLES ANALYZED ARE REPRESENTATIVE, CONTINUOUS COMPOSITE SAMPLES OF PROCESS EFFLUENT STREAM OBTAINED EVERY TWO-THREE MINUTES.
- TOTAL VOLUME OF LIQUID EFFLUENT (LITERS) 4.18 E+8
- ABNORMAL RELEASES
TOTAL NUMBER OF RELEASES= 0
TOTAL ACTIVITIES RELEASED = 0.00E00 CURIES.

HMS

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