

LICENSE SNM-1120

EFFLUENT SEMIANNUAL REPORT 1ST AND 2ND QUARTERS, 1979

I. Gaseous Effluent - Ground-Level Release

| <u>Nuclides</u> | <u>Unit (Ci)</u> | <u>Estimate Total Error (%)</u> |
|-----------------|------------------|---------------------------------|
| Plutonium-238   | <1.4 E-07        | 1.00 E+02                       |
| Plutonium-239   | <1.6 E-07        | 1.00 E+02                       |
| Plutonium-240   | <1.0 E-07        | 1.00 E+02                       |
| Plutonium-241   | <1.1 E-05        | 1.00 E+02                       |
| Americium-241   | <3.8 E-08        | 1.00 E+02                       |
| Uranium-234     | 1.6 E-06         | 9.20 E+00                       |
| Uranium-235     | 7.1 E-08         | 9.20 E+00                       |
| Uranium-238     | 1.5 E-06         | 9.20 E+00                       |

II. Liquid Effluents

| <u>Nuclides</u> | <u>Unit (Ci)</u> | <u>Estimate Total Error (%)</u> |
|-----------------|------------------|---------------------------------|
| Plutonium-238   | <4.7 E-07        | 1.00 E+02                       |
| Plutonium-239   | <6.7 E-06        | 1.00 E+02                       |
| Plutonium-240   | <2.3 E-06        | 1.00 E+02                       |
| Plutonium-241   | <9.6 E-05        | 1.00 E+02                       |
| Americium-241   | <9.6 E-08        | 1.00 E+02                       |
| Uranium-234     | 2.3 E-05         | 1.14 E+01                       |
| Uranium-235     | 1.0 E-06         | 1.14 E+01                       |
| Uranium-238     | 2.2 E-05         | 1.14 E+01                       |

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