



ROCHESTER GAS AND ELECTRIC CORPORATION • 89 EAST AVENUE, ROCHESTER, N.Y. 14649

JOHN E. MAIER
VICE PRESIDENT

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TELEPHONE
AREA CODE 716 546-2700

March 10, 1981

50-244

Mr. Boyce H. Grier, Director
U. S. Nuclear Regulatory Commission
Office of Inspection and Enforcement
Region I
631 Park Avenue
King of Prussia, Pennsylvania 19406

Dear Mr. Grier:

The enclosed material is being presented in accordance with the requirements of Technical Specification 6.9.3a and b for the period of July 1, 1980 to December 31, 1980 and 6.9.3c(1) for the year 1980.

During the last six months of 1980, 25.4 curies contained in 4,795 cubic feet of solid waste was disposed of at the Barnwell, South Carolina Burial Grounds. Also during this period, 632.1 curies of gaseous effluents were released through the plant vents. Through liquid releases, 63.7 curies of tritium plus 0.0035 ci of other radioactive materials were released.

Tabulations of the above information are included with this report. During our semiannual leak tests of sealed sources, one source was found with removable contamination greater than 0.005 microcuries, the remainder were found to have less than this limit.

NBS Serial #45, Model 4904-D containing 0.45 microcuries of Am-241 was found to have leaked. 0.0113 microcuries of smearable contamination was determined by our leak test.

This source has been removed from service (1/14/81) and is being held until a suitable burial site for low level quantities of transuranics is available for proper disposal.

One additional copy of this transmittal is enclosed.

Very truly yours,

8205170227

John E. Maier
John E. Maier

app.
IE25 5/1/81
81-52
BACK
FIT

Enclosures

cc: Mr. Victor Stello, Jr. (6)

1. The first part of the report is a general introduction to the subject of the study. It discusses the importance of the problem and the objectives of the research.

2. The second part of the report is a detailed description of the methods used in the study. It includes a discussion of the experimental design, the data collection procedures, and the statistical analysis techniques.

3. The third part of the report is a discussion of the results of the study. It presents the findings of the research and compares them with the results of previous studies.

4. The fourth part of the report is a conclusion and a summary of the main findings. It also includes some suggestions for further research.

5. The fifth part of the report is a list of references. It includes a list of the books, articles, and other sources used in the study.

6. The sixth part of the report is an appendix. It contains additional information that is not included in the main body of the report.

7. The seventh part of the report is a list of figures and tables. It includes a list of the figures and tables that are included in the report.

8. The eighth part of the report is a list of abbreviations. It includes a list of the abbreviations that are used in the report.

9. The ninth part of the report is a list of symbols. It includes a list of the symbols that are used in the report.

10. The tenth part of the report is a list of footnotes. It includes a list of the footnotes that are included in the report.

11. The eleventh part of the report is a list of references. It includes a list of the books, articles, and other sources used in the study.

12. The twelfth part of the report is a list of figures and tables. It includes a list of the figures and tables that are included in the report.

13. The thirteenth part of the report is a list of abbreviations. It includes a list of the abbreviations that are used in the report.

14. The fourteenth part of the report is a list of symbols. It includes a list of the symbols that are used in the report.

15. The fifteenth part of the report is a list of footnotes. It includes a list of the footnotes that are included in the report.

16. The sixteenth part of the report is a list of references. It includes a list of the books, articles, and other sources used in the study.

SOLID WASTE SHIPMENTS (7/1/80 to 12/31/80)

<u>DESTINATION</u>	<u>MATERIAL</u>	<u>CUBIC FEET</u>	<u>CURIES</u>
Barnwell S.C.	Evap Bottoms/ Dry Completed waste	1029	0.289
Barnwell S.C.	Evap Bottoms	554	0.827
Barnwell S.C.	Evap Bottoms	510	0.665
Barnwell S.C.	Evap Bottoms	494	0.231
Barnwell S.C.	Evap Bottoms/ Cemented Filters	135	20.500
Barnwell S.C.	Evap Bottoms/ Dry Compacted Waste	612	0.197
Barnwell S.C.	Dry Compacted Waste	960	1.512
Barnwell S.C.	Evap Bottoms/ Dry Compacted Waste	501	1.210
TOTAL:		4795 ft ³	25.431 Ci

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