

PROCEDURE

PROCEDURE TITLE

PROCEDURE NUMBER

RESPONSIBLE SECTION

NON-SAFETY RELATED ()

8309150363 830907
PDR ADCK 05000321
F PDR

MANUAL SET

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E. I. HATCH NUCLEAR PLANT

Georgia Power 

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HNP-4852
REVISION NO.
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OFF SITE DOSE ESTIMATIONS

NOTE

This procedure supercedes HNP-4650 Revision 2.

A. PURPOSE

To describe methods which may be used for estimating off site radiation dose during emergency conditions at Plant Hatch.

B. REFERENCE

1. Manual of Protective Action Guides and Protective Actions for Nuclear Incidents, E.P.A.
2. HNP-4854
3. Reg. Guide 1.145
4. Reg. Guide 1.109, Rev. 1
5. Workbook of Atmospheric Dispersion Estimates, E.P.A.


C. DISCUSSION

This procedure details methods which may be used in the event of an emergency situation to evaluate radiological conditions in the environment in order to assist plant personnel and responsible agencies (State Dept. of Natural Resources, CEMA, etc.) in making appropriate decisions to evaluate and control the hazard to public health and safety. Meteorological data will be passed along to the State Representatives as received but their estimates of thyroid doses are expected to be approximately 3 to 300 times higher due to the differences in iodine/noble gas ratio.

The methodology is based on Reg. Guide 1.145 dispersion models and Reg. Guide 1.109, Rev. 1 dose factors. These models have been programmed on a mini-computer located at the EDF. The same program can be run on a mini-computer located near the General Office (Atlanta) Emergency Center.

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D. Estimation of Offsite Exposures


NOTE

The minicomputer system is designed to take various plant and meteorological data as input and calculate offsite dose rates, cumulative doses, and tabulate these for each sector at 1, 2, 5 and 10 mile distances. Protective Action Recommendations are also tabulated using the criteria of HNP-4854. The system is designed for updating every 15 minutes and has the added capability to forecast exposure data for hypothetical sets of release parameters. Tabulation of field monitoring data is also provided.

1. Set up the minicomputer per Checklist No. 1.
2. Enter initial data as requested by the computer.
3. When the "verification run" is complete, assure the values match those on Checklist No. 1. If they do not match, repeat system setup using an alternate disk.
4. Enter radiation monitor or sample data as requested. This information is obtained from a communicator/recorder. Meteorological data is also provided by the communicator/recorder.
5. Three copies of printout are available for use by:
 1. Status Board Recorder - and subsequent Posting
 2. Dose Assessment Manager
 3. Field Team Coordinator
6. All data printouts should be reviewed and initialed by the Dose Assessment Manager.
7. Periodically perform verification calculations using data from Tables in Appendix A of this procedure. For the appropriate stability class, wind speed and distance, multiply the curies per second release rate by the Table factor to estimate dose rate. Compare with printout data. Inconsistencies must be reported to the Dose Assessment Manager.
8. Provide all data and Protective Action Recommendations to State (DNR/EPD) personnel.

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NOTE


Protective Action Recommendations are based on cumulative doses plus a two hour projection. Longer projections may be made by simply multiplying the calculated dose rates by the projections time desired.

9. Exposure estimates for field monitoring teams can be made by periodically checking pocket dosimeters (whole body) and multiplying stay times by measured radioiodine concentrations using the following conversion factor:

$$\text{mrem/hr (thyroid)} = 1.85 \text{ E+9 } \mu\text{Ci/cc (I-131)}$$

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CHECKLIST NO. 1

SETUP OF DOSE CALCULATION MINICOMPUTER

1. Move Computer Console and Printer to Dose Assessment Area. Plug both units to 120 A.C. power. Connect printer to computer.
2. Turn Printer on (switch is in back) and press reset button.
3. Turn Computer on (switch is on right hand side).
4. Insert Diskette and close door. Red light should go on.
5. When red light goes off, press reset button.
6. Type in Data and Time (24 hour clock) as requested and press Enter key.
7. Type in the following sequence:
 - (i) Basic (Enter key)
 - (ii) (Enter key)
 - (iii) (Enter key)
 - (iv) LOAD "HATCH/PAG" (enter key)
8. Type in information as requested.
9. Compare verification run with the following values:

VERIFICATION RUN VALUES (mrem)


DISTANCE	WHOLE BODY	THYROID
1 mile	1225	3484
2 miles	503	1431
5 miles	108	306
10 miles	41	117

NOTE

If the verification run values do not match those above, return to Step 4 and use an alternate diskette.

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APPENDIX A VERIFICATION TABLES

VERIFICATION TABLE

STACK LEVEL RELEASE
STABILITY CLASS A
FUMIGATION

MILLIREM/HOUR PER CURIE/SEC OF IODINE RELEASED

DOWNWIND DISTANCE FROM PLANT

UPPER WIND SPEED (MPH)	1 MI	2 MI	3 MI	4 MI	5 MI	6 MI	7 MI	8 MI	9 MI	10 MI
1	3.34E-03	1.76E-03	1.21E-03	9.61E-04	8.02E-04	6.82E-04	5.82E-04	5.00E-04	4.35E-04	3.82E-04
2	1.67E-03	8.79E-04	6.05E-04	4.81E-04	4.01E-04	3.41E-04	2.91E-04	2.50E-04	2.18E-04	1.91E-04
3	1.11E-03	5.86E-04	4.03E-04	3.21E-04	2.67E-04	2.27E-04	1.96E-04	1.71E-04	1.50E-04	1.31E-04
4	8.02E-04	4.47E-04	3.02E-04	2.41E-04	2.01E-04	1.71E-04	1.46E-04	1.26E-04	1.10E-04	9.55E-05
5	6.02E-04	3.35E-04	2.26E-04	1.81E-04	1.51E-04	1.26E-04	1.06E-04	9.05E-05	7.85E-05	6.82E-05
6	4.81E-04	2.68E-04	1.77E-04	1.41E-04	1.16E-04	9.81E-05	8.31E-05	7.05E-05	6.10E-05	5.25E-05
7	4.01E-04	2.21E-04	1.46E-04	1.16E-04	9.61E-05	8.02E-05	6.82E-05	5.82E-05	5.00E-05	4.35E-05
8	3.41E-04	1.91E-04	1.26E-04	1.01E-04	8.31E-05	6.82E-05	5.82E-05	5.00E-05	4.35E-05	3.82E-05
9	2.91E-04	1.61E-04	1.06E-04	8.61E-05	7.05E-05	5.82E-05	5.00E-05	4.35E-05	3.82E-05	3.34E-05
10	2.50E-04	1.41E-04	9.55E-05	7.85E-05	6.55E-05	5.45E-05	4.61E-05	3.96E-05	3.41E-05	2.91E-05
11	2.18E-04	1.26E-04	8.31E-05	6.82E-05	5.61E-05	4.61E-05	3.96E-05	3.41E-05	2.91E-05	2.50E-05
12	1.91E-04	1.10E-04	7.35E-05	6.02E-05	5.00E-05	4.16E-05	3.52E-05	3.02E-05	2.58E-05	2.18E-05
13	1.67E-04	9.55E-05	6.35E-05	5.25E-05	4.35E-05	3.61E-05	3.02E-05	2.58E-05	2.18E-05	1.81E-05
14	1.46E-04	8.31E-05	5.45E-05	4.61E-05	3.82E-05	3.16E-05	2.68E-05	2.26E-05	1.91E-05	1.61E-05
15	1.26E-04	7.05E-05	4.61E-05	3.96E-05	3.21E-05	2.68E-05	2.26E-05	1.91E-05	1.61E-05	1.31E-05
16	1.06E-04	6.10E-05	4.01E-05	3.41E-05	2.81E-05	2.31E-05	1.96E-05	1.66E-05	1.41E-05	1.16E-05
17	9.05E-05	5.25E-05	3.41E-05	2.91E-05	2.41E-05	2.01E-05	1.71E-05	1.46E-05	1.26E-05	1.06E-05
18	8.02E-05	4.61E-05	3.02E-05	2.58E-05	2.18E-05	1.81E-05	1.50E-05	1.26E-05	1.10E-05	9.55E-06
19	7.05E-05	4.01E-05	2.68E-05	2.26E-05	1.91E-05	1.61E-05	1.31E-05	1.10E-05	9.55E-06	8.31E-06
20	6.55E-05	3.61E-05	2.41E-05	2.01E-05	1.71E-05	1.46E-05	1.26E-05	1.10E-05	9.55E-06	8.31E-06
21	6.02E-05	3.21E-05	2.18E-05	1.81E-05	1.51E-05	1.26E-05	1.06E-05	9.05E-06	7.85E-06	6.82E-06
22	5.61E-05	2.91E-05	2.01E-05	1.66E-05	1.41E-05	1.16E-05	9.81E-06	8.31E-06	7.05E-06	6.10E-06
23	5.25E-05	2.68E-05	1.81E-05	1.51E-05	1.26E-05	1.06E-05	9.05E-06	7.85E-06	6.82E-06	5.82E-06
24	4.81E-05	2.41E-05	1.66E-05	1.41E-05	1.16E-05	9.81E-06	8.31E-06	7.05E-06	6.10E-06	5.25E-06
25	4.47E-05	2.26E-05	1.51E-05	1.26E-05	1.06E-05	9.05E-06	7.85E-06	6.82E-06	5.82E-06	4.81E-06
26	4.16E-05	2.18E-05	1.41E-05	1.16E-05	9.61E-06	8.02E-06	6.82E-06	5.82E-06	5.00E-06	4.35E-06
27	3.82E-05	2.01E-05	1.31E-05	1.06E-05	8.61E-06	7.05E-06	5.82E-06	5.00E-06	4.35E-06	3.82E-06
28	3.52E-05	1.81E-05	1.26E-05	1.01E-05	8.31E-06	6.82E-06	5.61E-06	4.81E-06	4.16E-06	3.61E-06
29	3.21E-05	1.66E-05	1.16E-05	9.61E-06	8.02E-06	6.55E-06	5.45E-06	4.61E-06	3.96E-06	3.41E-06
30	2.91E-05	1.51E-05	1.10E-05	9.05E-06	7.35E-06	6.02E-06	5.00E-06	4.35E-06	3.82E-06	3.34E-06
31	2.68E-05	1.41E-05	1.06E-05	8.61E-06	6.82E-06	5.61E-06	4.61E-06	3.96E-06	3.41E-06	2.91E-06
32	2.41E-05	1.31E-05	1.01E-05	8.02E-06	6.35E-06	5.25E-06	4.35E-06	3.70E-06	3.16E-06	2.75E-06
33	2.18E-05	1.26E-05	9.55E-06	7.85E-06	6.10E-06	5.00E-06	4.16E-06	3.52E-06	3.02E-06	2.58E-06
34	2.01E-05	1.16E-05	8.61E-06	7.05E-06	5.61E-06	4.61E-06	3.96E-06	3.41E-06	2.91E-06	2.50E-06
35	1.81E-05	1.06E-05	7.85E-06	6.55E-06	5.25E-06	4.35E-06	3.70E-06	3.16E-06	2.75E-06	2.35E-06
36	1.66E-05	1.01E-05	7.35E-06	6.02E-06	4.81E-06	3.96E-06	3.34E-06	2.81E-06	2.35E-06	1.96E-06
37	1.51E-05	9.55E-06	6.82E-06	5.61E-06	4.61E-06	3.82E-06	3.16E-06	2.68E-06	2.26E-06	1.91E-06
38	1.31E-05	8.31E-06	6.02E-06	5.00E-06	4.16E-06	3.41E-06	2.81E-06	2.35E-06	1.96E-06	1.66E-06
39	1.16E-05	7.05E-06	5.25E-06	4.35E-06	3.61E-06	2.91E-06	2.41E-06	2.01E-06	1.66E-06	1.41E-06
40	1.06E-05	6.10E-06	4.61E-06	3.96E-06	3.21E-06	2.68E-06	2.26E-06	1.91E-06	1.61E-06	1.31E-06
41	9.55E-06	5.45E-06	4.01E-06	3.41E-06	2.81E-06	2.31E-06	1.96E-06	1.66E-06	1.41E-06	1.16E-06
42	8.61E-06	4.81E-06	3.61E-06	3.02E-06	2.58E-06	2.18E-06	1.81E-06	1.50E-06	1.26E-06	1.06E-06
43	7.85E-06	4.35E-06	3.21E-06	2.75E-06	2.35E-06	1.96E-06	1.66E-06	1.41E-06	1.16E-06	1.01E-06
44	7.05E-06	3.96E-06	2.91E-06	2.41E-06	2.01E-06	1.71E-06	1.46E-06	1.26E-06	1.10E-06	9.55E-07
45	6.35E-06	3.61E-06	2.68E-06	2.26E-06	1.81E-06	1.50E-06	1.26E-06	1.10E-06	9.55E-07	8.31E-07
46	5.82E-06	3.21E-06	2.41E-06	2.01E-06	1.71E-06	1.46E-06	1.26E-06	1.10E-06	9.55E-07	8.31E-07
47	5.45E-06	2.91E-06	2.18E-06	1.81E-06	1.51E-06	1.26E-06	1.06E-06	9.05E-07	7.85E-07	6.82E-07
48	5.00E-06	2.68E-06	2.01E-06	1.66E-06	1.41E-06	1.16E-06	9.81E-07	8.31E-07	7.05E-07	6.10E-07
49	4.61E-06	2.41E-06	1.81E-06	1.51E-06	1.26E-06	1.06E-06	9.05E-07	7.85E-07	6.82E-07	5.82E-07
50	4.35E-06	2.26E-06	1.66E-06	1.41E-06	1.16E-06	9.81E-07	8.31E-07	7.05E-07	6.10E-07	5.25E-07

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APPENDIX A VERIFICATION TABLES

VERIFICATION TABLE

STACK LEVEL RELEASE

STABILITY CLASS B

FLUCTUATION

MILLIREM/HOUR PER CURIE/SEC OF IODINE RELEASED

DOWNWIND DISTANCE FROM PLANT

WIND
SPEED
(MPH)


	1 MI	2 MI	3 MI	4 MI	5 MI	6 MI	7 MI	8 MI	9 MI	10 MI
1	1.90E-24	5.80E-23	2.60E-23	1.50E-23	1.24E-23	9.60E-24	9.60E-24	9.60E-24	9.60E-24	9.60E-24
2	9.00E-23	2.90E-23	1.30E-23	7.50E-24	5.10E-24	4.80E-24	4.80E-24	4.80E-24	4.80E-24	4.80E-24
3	6.50E-23	1.90E-23	8.80E-24	5.24E-24	3.40E-24	3.20E-24	3.20E-24	3.20E-24	3.20E-24	3.20E-24
4	4.90E-23	1.40E-23	6.60E-24	3.70E-24	2.60E-24	2.40E-24	2.40E-24	2.40E-24	2.40E-24	2.40E-24
5	3.90E-23	1.10E-23	5.20E-24	3.20E-24	2.20E-24	1.90E-24	1.90E-24	1.90E-24	1.90E-24	1.90E-24
6	3.00E-23	9.70E-24	4.40E-24	2.50E-24	1.70E-24	1.60E-24	1.60E-24	1.60E-24	1.60E-24	1.60E-24
7	2.80E-23	8.30E-24	3.80E-24	2.10E-24	1.40E-24	1.30E-24	1.30E-24	1.30E-24	1.30E-24	1.30E-24
8	2.40E-23	7.20E-24	3.30E-24	1.80E-24	1.20E-24	1.20E-24	1.20E-24	1.20E-24	1.20E-24	1.20E-24
9	2.10E-23	6.40E-24	2.90E-24	1.60E-24	1.10E-24	1.00E-24	1.00E-24	1.00E-24	1.00E-24	1.00E-24
10	1.90E-23	5.80E-24	2.60E-24	1.50E-24	1.04E-24	9.60E-25	9.60E-25	9.60E-25	9.60E-25	9.60E-25
11	1.70E-23	5.20E-24	2.40E-24	1.30E-24	9.40E-25	8.70E-25	8.70E-25	8.70E-25	8.70E-25	8.70E-25
12	1.60E-23	4.80E-24	2.20E-24	1.20E-24	8.80E-25	8.20E-25	8.20E-25	8.20E-25	8.20E-25	8.20E-25
13	1.50E-23	4.40E-24	2.00E-24	1.10E-24	8.20E-25	7.60E-25	7.60E-25	7.60E-25	7.60E-25	7.60E-25
14	1.40E-23	4.10E-24	1.90E-24	1.00E-24	7.40E-25	6.80E-25	6.80E-25	6.80E-25	6.80E-25	6.80E-25
15	1.30E-23	3.80E-24	1.70E-24	9.20E-25	6.90E-25	6.40E-25	6.40E-25	6.40E-25	6.40E-25	6.40E-25
16	1.20E-23	3.60E-24	1.60E-24	9.40E-25	6.40E-25	6.20E-25	6.20E-25	6.20E-25	6.20E-25	6.20E-25
17	1.10E-23	3.40E-24	1.50E-24	8.90E-25	6.10E-25	5.80E-25	5.80E-25	5.80E-25	5.80E-25	5.80E-25
18	1.00E-23	3.20E-24	1.40E-24	8.40E-25	5.70E-25	5.30E-25	5.30E-25	5.30E-25	5.30E-25	5.30E-25
19	1.00E-23	3.20E-24	1.40E-24	7.90E-25	5.40E-25	5.00E-25	5.00E-25	5.00E-25	5.00E-25	5.00E-25
20	9.00E-24	2.90E-24	1.30E-24	7.50E-25	5.10E-25	4.80E-25	4.80E-25	4.80E-25	4.80E-25	4.80E-25
21	8.50E-24	2.70E-24	1.20E-24	7.00E-25	4.90E-25	4.60E-25	4.60E-25	4.60E-25	4.60E-25	4.60E-25
22	8.00E-24	2.60E-24	1.20E-24	6.80E-25	4.70E-25	4.30E-25	4.30E-25	4.30E-25	4.30E-25	4.30E-25
23	8.50E-24	2.50E-24	1.10E-24	6.50E-25	4.50E-25	4.10E-25	4.10E-25	4.10E-25	4.10E-25	4.10E-25
24	8.10E-24	2.40E-24	1.10E-24	6.30E-25	4.30E-25	4.00E-25	4.00E-25	4.00E-25	4.00E-25	4.00E-25
25	7.80E-24	2.30E-24	1.00E-24	6.00E-25	4.10E-25	3.80E-25	3.80E-25	3.80E-25	3.80E-25	3.80E-25
26	7.50E-24	2.20E-24	1.00E-24	5.80E-25	4.00E-25	3.70E-25	3.70E-25	3.70E-25	3.70E-25	3.70E-25
27	7.20E-24	2.10E-24	9.80E-25	5.60E-25	3.80E-25	3.50E-25	3.50E-25	3.50E-25	3.50E-25	3.50E-25
28	7.00E-24	2.00E-24	9.50E-25	5.40E-25	3.70E-25	3.40E-25	3.40E-25	3.40E-25	3.40E-25	3.40E-25
29	6.70E-24	2.00E-24	9.20E-25	5.20E-25	3.60E-25	3.30E-25	3.30E-25	3.30E-25	3.30E-25	3.30E-25
30	6.50E-24	1.90E-24	9.00E-25	5.00E-25	3.40E-25	3.20E-25	3.20E-25	3.20E-25	3.20E-25	3.20E-25
31	6.30E-24	1.80E-24	8.80E-25	4.80E-25	3.30E-25	3.10E-25	3.10E-25	3.10E-25	3.10E-25	3.10E-25
32	6.10E-24	1.80E-24	8.60E-25	4.70E-25	3.20E-25	3.00E-25	3.00E-25	3.00E-25	3.00E-25	3.00E-25
33	5.90E-24	1.70E-24	8.40E-25	4.50E-25	3.10E-25	2.90E-25	2.90E-25	2.90E-25	2.90E-25	2.90E-25
34	5.70E-24	1.70E-24	8.20E-25	4.40E-25	3.00E-25	2.80E-25	2.80E-25	2.80E-25	2.80E-25	2.80E-25
35	5.60E-24	1.60E-24	8.00E-25	4.30E-25	2.90E-25	2.70E-25	2.70E-25	2.70E-25	2.70E-25	2.70E-25
36	5.40E-24	1.60E-24	7.90E-25	4.20E-25	2.80E-25	2.60E-25	2.60E-25	2.60E-25	2.60E-25	2.60E-25
37	5.30E-24	1.50E-24	7.70E-25	4.00E-25	2.80E-25	2.60E-25	2.60E-25	2.60E-25	2.60E-25	2.60E-25
38	5.10E-24	1.50E-24	7.60E-25	3.90E-25	2.70E-25	2.50E-25	2.50E-25	2.50E-25	2.50E-25	2.50E-25
39	5.00E-24	1.40E-24	7.40E-25	3.80E-25	2.60E-25	2.40E-25	2.40E-25	2.40E-25	2.40E-25	2.40E-25
40	4.90E-24	1.40E-24	7.30E-25	3.70E-25	2.60E-25	2.40E-25	2.40E-25	2.40E-25	2.40E-25	2.40E-25
41	4.70E-24	1.40E-24	7.20E-25	3.60E-25	2.50E-25	2.30E-25	2.30E-25	2.30E-25	2.30E-25	2.30E-25
42	4.60E-24	1.30E-24	7.00E-25	3.50E-25	2.40E-25	2.20E-25	2.20E-25	2.20E-25	2.20E-25	2.20E-25
43	4.50E-24	1.30E-24	6.90E-25	3.40E-25	2.40E-25	2.20E-25	2.20E-25	2.20E-25	2.20E-25	2.20E-25
44	4.40E-24	1.30E-24	6.80E-25	3.40E-25	2.30E-25	2.10E-25	2.10E-25	2.10E-25	2.10E-25	2.10E-25
45	4.30E-24	1.20E-24	6.60E-25	3.30E-25	2.30E-25	2.10E-25	2.10E-25	2.10E-25	2.10E-25	2.10E-25
46	4.20E-24	1.20E-24	6.50E-25	3.20E-25	2.20E-25	2.00E-25	2.00E-25	2.00E-25	2.00E-25	2.00E-25
47	4.10E-24	1.20E-24	6.40E-25	3.10E-25	2.10E-25	1.90E-25	1.90E-25	1.90E-25	1.90E-25	1.90E-25
48	4.00E-24	1.10E-24	6.20E-25	3.00E-25	2.10E-25	1.90E-25	1.90E-25	1.90E-25	1.90E-25	1.90E-25
49	3.90E-24	1.10E-24	6.10E-25	2.90E-25	2.00E-25	1.80E-25	1.80E-25	1.80E-25	1.80E-25	1.80E-25
50	3.80E-24	1.10E-24	6.00E-25	2.80E-25	2.00E-25	1.80E-25	1.80E-25	1.80E-25	1.80E-25	1.80E-25

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APPENDIX A VERIFICATION TABLES

VERIFICATION TABLE

STACK LEVEL RELEASE
STABILITY CLASS C
FUGITATION
MILLIREM/HOUR PER CURIE/SEC OF IODINE RELEASED


DOWNWIND DISTANCE FROM PLANT

UPPER
WIND
SPEED
(MPH)

	1 MI	2 MI	3 MI	4 MI	5 MI	6 MI	7 MI	8 MI	9 MI	10 MI
1	2.91E+24	1.29E+24	6.49E+23	4.10E+23	2.79E+23	2.01E+23	1.53E+23	1.30E+23	1.17E+23	1.06E+23
2	1.45E+24	6.42E+23	3.35E+23	2.25E+23	1.37E+23	1.01E+23	7.65E+22	6.43E+22	5.64E+22	5.31E+22
3	9.67E+23	4.27E+23	2.22E+23	1.37E+23	9.26E+22	6.71E+22	5.12E+22	4.32E+22	3.89E+22	3.54E+22
4	7.43E+23	3.22E+23	1.67E+23	1.03E+23	6.79E+22	5.03E+22	3.83E+22	3.24E+22	2.92E+22	2.66E+22
5	5.91E+23	2.55E+23	1.34E+23	8.12E+22	5.56E+22	4.23E+22	3.36E+22	2.89E+22	2.54E+22	2.33E+22
6	4.93E+23	2.13E+23	1.12E+23	6.83E+22	4.63E+22	3.53E+22	2.85E+22	2.46E+22	2.16E+22	1.97E+22
7	4.23E+23	1.83E+23	9.56E+22	5.83E+22	3.97E+22	3.09E+22	2.49E+22	2.09E+22	1.87E+22	1.72E+22
8	3.70E+23	1.63E+23	8.36E+22	5.12E+22	3.47E+22	2.92E+22	2.41E+22	1.99E+22	1.76E+22	1.63E+22
9	3.29E+23	1.43E+23	7.43E+22	4.56E+22	3.09E+22	2.54E+22	2.12E+22	1.70E+22	1.44E+22	1.32E+22
10	2.94E+23	1.23E+23	6.49E+22	4.10E+22	2.79E+22	2.01E+22	1.53E+22	1.30E+22	1.17E+22	1.06E+22
11	2.64E+23	1.13E+23	5.89E+22	3.73E+22	2.53E+22	1.83E+22	1.39E+22	1.19E+22	1.06E+22	9.86E+21
12	2.47E+23	1.07E+23	5.59E+22	3.43E+22	2.33E+22	1.69E+22	1.29E+22	1.09E+22	9.77E+21	8.99E+21
13	2.23E+23	9.65E+22	5.19E+22	3.15E+22	2.14E+22	1.55E+22	1.19E+22	9.97E+21	8.99E+21	8.17E+21
14	2.11E+23	9.15E+22	4.78E+22	2.93E+22	1.93E+22	1.44E+22	1.09E+22	9.26E+21	8.34E+21	7.57E+21
15	1.97E+23	8.54E+22	4.46E+22	2.73E+22	1.83E+22	1.34E+22	1.02E+22	8.64E+21	7.79E+21	7.02E+21
16	1.85E+23	8.02E+22	4.18E+22	2.56E+22	1.74E+22	1.26E+22	9.57E+21	8.12E+21	7.32E+21	6.64E+21
17	1.74E+23	7.52E+22	3.94E+22	2.41E+22	1.63E+22	1.19E+22	9.01E+21	7.67E+21	6.97E+21	6.29E+21
18	1.64E+23	7.11E+22	3.72E+22	2.28E+22	1.54E+22	1.12E+22	8.32E+21	7.20E+21	6.49E+21	5.83E+21
19	1.56E+23	6.74E+22	3.52E+22	2.16E+22	1.46E+22	1.06E+22	8.26E+21	6.97E+21	6.24E+21	5.57E+21
20	1.48E+23	6.42E+22	3.35E+22	2.05E+22	1.37E+22	1.01E+22	7.65E+21	6.43E+21	5.64E+21	5.31E+21
21	1.41E+23	6.13E+22	3.19E+22	1.95E+22	1.32E+22	9.59E+21	7.29E+21	6.17E+21	5.56E+21	5.26E+21
22	1.35E+23	5.82E+22	3.04E+22	1.84E+22	1.26E+22	9.15E+21	6.96E+21	5.89E+21	5.31E+21	4.93E+21
23	1.29E+23	5.57E+22	2.91E+22	1.75E+22	1.21E+22	8.74E+21	6.66E+21	5.64E+21	5.09E+21	4.68E+21
24	1.23E+23	5.34E+22	2.79E+22	1.71E+22	1.16E+22	8.37E+21	6.38E+21	5.43E+21	4.84E+21	4.43E+21
25	1.18E+23	5.12E+22	2.69E+22	1.64E+22	1.11E+22	8.04E+21	6.12E+21	5.19E+21	4.67E+21	4.28E+21
26	1.14E+23	4.92E+22	2.57E+22	1.59E+22	1.07E+22	7.75E+21	5.87E+21	4.99E+21	4.49E+21	4.09E+21
27	1.10E+23	4.74E+22	2.47E+22	1.52E+22	1.03E+22	7.46E+21	5.67E+21	4.83E+21	4.32E+21	3.94E+21
28	1.06E+23	4.57E+22	2.37E+22	1.46E+22	9.92E+21	7.19E+21	5.47E+21	4.63E+21	4.17E+21	3.80E+21
29	1.02E+23	4.41E+22	2.28E+22	1.41E+22	9.59E+21	6.94E+21	5.29E+21	4.47E+21	4.02E+21	3.66E+21
30	9.87E+22	4.27E+22	2.20E+22	1.37E+22	9.26E+21	6.71E+21	5.12E+21	4.32E+21	3.87E+21	3.54E+21
31	9.55E+22	4.13E+22	2.16E+22	1.32E+22	8.94E+21	6.52E+21	4.94E+21	4.18E+21	3.77E+21	3.43E+21
32	9.25E+22	4.02E+22	2.09E+22	1.29E+22	8.66E+21	6.35E+21	4.79E+21	4.05E+21	3.65E+21	3.32E+21
33	8.97E+22	3.89E+22	2.03E+22	1.24E+22	8.42E+21	6.19E+21	4.64E+21	3.93E+21	3.54E+21	3.22E+21
34	8.71E+22	3.77E+22	1.97E+22	1.21E+22	8.17E+21	5.92E+21	4.52E+21	3.81E+21	3.43E+21	3.12E+21
35	8.46E+22	3.66E+22	1.91E+22	1.17E+22	7.94E+21	5.75E+21	4.37E+21	3.73E+21	3.34E+21	3.04E+21
36	8.22E+22	3.56E+22	1.86E+22	1.14E+22	7.72E+21	5.59E+21	4.25E+21	3.62E+21	3.24E+21	2.95E+21
37	8.00E+22	3.46E+22	1.81E+22	1.11E+22	7.51E+21	5.44E+21	4.14E+21	3.52E+21	3.16E+21	2.87E+21
38	7.79E+22	3.37E+22	1.76E+22	1.08E+22	7.31E+21	5.33E+21	4.03E+21	3.41E+21	3.07E+21	2.80E+21
39	7.59E+22	3.28E+22	1.72E+22	1.05E+22	7.12E+21	5.16E+21	3.93E+21	3.32E+21	2.99E+21	2.72E+21
40	7.43E+22	3.20E+22	1.67E+22	1.03E+22	6.95E+21	5.03E+21	3.83E+21	3.24E+21	2.92E+21	2.66E+21
41	7.27E+22	3.12E+22	1.63E+22	1.00E+22	6.78E+21	4.91E+21	3.73E+21	3.16E+21	2.85E+21	2.59E+21
42	7.05E+22	3.05E+22	1.59E+22	9.75E+21	6.62E+21	4.79E+21	3.64E+21	3.07E+21	2.76E+21	2.51E+21
43	6.85E+22	2.98E+22	1.54E+22	9.54E+21	6.46E+21	4.69E+21	3.56E+21	3.07E+21	2.76E+21	2.47E+21
44	6.70E+22	2.91E+22	1.50E+22	9.33E+21	6.32E+21	4.59E+21	3.48E+21	2.99E+21	2.69E+21	2.42E+21
45	6.55E+22	2.85E+22	1.45E+22	9.11E+21	6.17E+21	4.48E+21	3.40E+21	2.90E+21	2.60E+21	2.34E+21
46	6.44E+22	2.79E+22	1.43E+22	8.91E+21	6.04E+21	4.39E+21	3.33E+21	2.83E+21	2.54E+21	2.31E+21
47	6.32E+22	2.73E+22	1.40E+22	8.72E+21	5.91E+21	4.29E+21	3.26E+21	2.76E+21	2.46E+21	2.24E+21
48	6.17E+22	2.67E+22	1.37E+22	8.54E+21	5.79E+21	4.20E+21	3.19E+21	2.70E+21	2.40E+21	2.21E+21
49	6.04E+22	2.61E+22	1.35E+22	8.37E+21	5.67E+21	4.11E+21	3.12E+21	2.63E+21	2.33E+21	2.17E+21
50	5.92E+22	2.55E+22	1.34E+22	8.20E+21	5.56E+21	4.03E+21	3.06E+21	2.57E+21	2.34E+21	2.13E+21

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APPENDIX A VERIFICATION TABLES

VERIFICATION TABLE

STACK LEVEL RELEASE

STABILITY CLASS D

FUMIGATION

MILLIREM/HOUR PER CURIE/SEC OF IODINE RELEASED

DOWNWIND DISTANCE FROM PLANT

UPPER WIND SPEED (MPH)	1 MI	2 MI	3 MI	4 MI	5 MI	6 MI	7 MI	8 MI	9 MI	10 MI
1	5.7E-04	4.8E-04	3.24E-04	1.1E-04	9.8E-05	8.3E-05	7.1E-05	6.1E-05	5.3E-05	4.7E-05
2	4.3E-04	2.34E-04	1.8E-04	5.7E-05	4.94E-05	4.1E-05	3.5E-05	3.2E-05	2.8E-05	2.3E-05
3	2.9E-04	1.5E-04	1.0E-04	3.9E-05	3.3E-05	2.7E-05	2.3E-05	2.0E-05	1.7E-05	1.5E-05
4	2.1E-04	1.1E-04	8.1E-05	2.9E-05	2.4E-05	2.0E-05	1.7E-05	1.5E-05	1.3E-05	1.1E-05
5	1.7E-04	9.0E-05	6.4E-05	2.3E-05	1.9E-05	1.6E-05	1.4E-05	1.2E-05	1.0E-05	9.4E-06
6	1.4E-04	7.7E-05	5.4E-05	1.9E-05	1.6E-05	1.3E-05	1.1E-05	1.0E-05	8.7E-06	7.9E-06
7	1.2E-04	6.6E-05	4.7E-05	1.6E-05	1.4E-05	1.1E-05	1.0E-05	8.7E-06	7.6E-06	6.9E-06
8	1.0E-04	5.3E-05	4.0E-05	1.4E-05	1.2E-05	1.0E-05	8.9E-06	7.8E-06	6.9E-06	6.2E-06
9	9.7E-05	5.1E-05	3.8E-05	1.3E-05	1.1E-05	9.2E-06	7.9E-06	6.9E-06	5.9E-06	5.3E-06
10	8.7E-05	4.5E-05	3.4E-05	1.2E-05	9.9E-06	8.3E-06	7.1E-06	6.1E-06	5.3E-06	4.7E-06
11	7.9E-05	4.2E-05	2.9E-05	1.0E-05	8.9E-06	7.5E-06	6.4E-06	5.5E-06	4.8E-06	4.3E-06
12	7.2E-05	3.9E-05	2.7E-05	9.3E-06	8.2E-06	6.9E-06	5.9E-06	5.1E-06	4.4E-06	4.0E-06
13	6.7E-05	3.6E-05	2.4E-05	8.8E-06	7.6E-06	6.4E-06	5.4E-06	4.7E-06	4.1E-06	3.7E-06
14	6.2E-05	3.3E-05	2.3E-05	8.4E-06	7.2E-06	6.0E-06	5.0E-06	4.3E-06	3.8E-06	3.4E-06
15	5.8E-05	3.1E-05	2.1E-05	7.9E-06	6.8E-06	5.7E-06	4.7E-06	4.1E-06	3.6E-06	3.2E-06
16	5.4E-05	2.9E-05	2.0E-05	7.5E-06	6.4E-06	5.3E-06	4.4E-06	3.8E-06	3.3E-06	3.0E-06
17	5.1E-05	2.7E-05	1.9E-05	7.1E-06	6.0E-06	5.0E-06	4.1E-06	3.6E-06	3.1E-06	2.8E-06
18	4.8E-05	2.6E-05	1.8E-05	6.8E-06	5.7E-06	4.7E-06	3.9E-06	3.4E-06	2.9E-06	2.6E-06
19	4.6E-05	2.4E-05	1.7E-05	6.5E-06	5.5E-06	4.5E-06	3.7E-06	3.2E-06	2.8E-06	2.5E-06
20	4.3E-05	2.3E-05	1.6E-05	6.2E-06	5.3E-06	4.3E-06	3.6E-06	3.1E-06	2.7E-06	2.4E-06
21	4.1E-05	2.2E-05	1.5E-05	5.9E-06	5.1E-06	4.1E-06	3.4E-06	3.0E-06	2.6E-06	2.3E-06
22	3.9E-05	2.1E-05	1.4E-05	5.7E-06	4.9E-06	3.9E-06	3.2E-06	2.8E-06	2.4E-06	2.2E-06
23	3.7E-05	2.0E-05	1.4E-05	5.5E-06	4.7E-06	3.7E-06	3.0E-06	2.7E-06	2.3E-06	2.1E-06
24	3.6E-05	1.9E-05	1.3E-05	5.3E-06	4.5E-06	3.5E-06	2.9E-06	2.6E-06	2.2E-06	2.0E-06
25	3.5E-05	1.8E-05	1.3E-05	5.1E-06	4.3E-06	3.3E-06	2.8E-06	2.5E-06	2.1E-06	1.9E-06
26	3.4E-05	1.7E-05	1.2E-05	4.9E-06	4.1E-06	3.1E-06	2.7E-06	2.4E-06	2.0E-06	1.8E-06
27	3.3E-05	1.6E-05	1.2E-05	4.7E-06	3.9E-06	2.9E-06	2.6E-06	2.3E-06	1.9E-06	1.7E-06
28	3.2E-05	1.5E-05	1.1E-05	4.5E-06	3.7E-06	2.7E-06	2.5E-06	2.2E-06	1.8E-06	1.6E-06
29	3.1E-05	1.4E-05	1.1E-05	4.3E-06	3.5E-06	2.6E-06	2.4E-06	2.1E-06	1.7E-06	1.6E-06
30	2.9E-05	1.3E-05	1.0E-05	4.1E-06	3.3E-06	2.5E-06	2.3E-06	2.0E-06	1.7E-06	1.5E-06
31	2.8E-05	1.2E-05	1.0E-05	3.9E-06	3.1E-06	2.4E-06	2.2E-06	1.9E-06	1.7E-06	1.5E-06
32	2.7E-05	1.1E-05	1.0E-05	3.7E-06	2.9E-06	2.3E-06	2.1E-06	1.8E-06	1.6E-06	1.4E-06
33	2.6E-05	1.0E-05	9.8E-06	3.5E-06	2.8E-06	2.2E-06	2.0E-06	1.8E-06	1.6E-06	1.4E-06
34	2.5E-05	9.8E-06	9.6E-06	3.4E-06	2.7E-06	2.1E-06	1.9E-06	1.7E-06	1.5E-06	1.4E-06
35	2.4E-05	9.6E-06	9.4E-06	3.3E-06	2.6E-06	2.0E-06	1.8E-06	1.6E-06	1.5E-06	1.3E-06
36	2.3E-05	9.4E-06	9.2E-06	3.2E-06	2.5E-06	1.9E-06	1.7E-06	1.5E-06	1.4E-06	1.3E-06
37	2.2E-05	9.2E-06	9.0E-06	3.1E-06	2.4E-06	1.8E-06	1.6E-06	1.4E-06	1.3E-06	1.2E-06
38	2.1E-05	9.0E-06	8.8E-06	3.0E-06	2.3E-06	1.7E-06	1.5E-06	1.3E-06	1.2E-06	1.1E-06
39	2.0E-05	8.8E-06	8.6E-06	2.9E-06	2.2E-06	1.6E-06	1.4E-06	1.2E-06	1.1E-06	1.0E-06
40	1.9E-05	8.6E-06	8.4E-06	2.8E-06	2.1E-06	1.5E-06	1.3E-06	1.1E-06	1.0E-06	9.8E-07
41	1.8E-05	8.4E-06	8.2E-06	2.7E-06	2.0E-06	1.4E-06	1.2E-06	1.0E-06	9.8E-07	9.6E-07
42	1.7E-05	8.2E-06	8.0E-06	2.6E-06	1.9E-06	1.3E-06	1.1E-06	1.0E-06	9.8E-07	9.6E-07
43	1.6E-05	8.0E-06	7.8E-06	2.5E-06	1.8E-06	1.2E-06	1.0E-06	9.8E-07	9.6E-07	9.4E-07
44	1.5E-05	7.8E-06	7.6E-06	2.4E-06	1.7E-06	1.1E-06	1.0E-06	9.8E-07	9.6E-07	9.4E-07
45	1.4E-05	7.6E-06	7.4E-06	2.3E-06	1.6E-06	1.0E-06	9.8E-07	9.6E-07	9.4E-07	9.2E-07
46	1.3E-05	7.4E-06	7.2E-06	2.2E-06	1.5E-06	9.8E-07	9.6E-07	9.4E-07	9.2E-07	9.0E-07
47	1.2E-05	7.2E-06	7.0E-06	2.1E-06	1.4E-06	9.6E-07	9.4E-07	9.2E-07	9.0E-07	8.8E-07
48	1.1E-05	7.0E-06	6.8E-06	2.0E-06	1.3E-06	9.4E-07	9.2E-07	9.0E-07	8.8E-07	8.6E-07
49	1.0E-05	6.8E-06	6.6E-06	1.9E-06	1.2E-06	9.2E-07	9.0E-07	8.8E-07	8.6E-07	8.4E-07
50	9.8E-06	6.6E-06	6.4E-06	1.8E-06	1.1E-06	9.0E-07	8.8E-07	8.6E-07	8.4E-07	8.2E-07

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APPENDIX A VERIFICATION TABLES

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VERIFICATION TABLE

STACK LEVEL RELEASE
STABILITY CLASS E
FUMIGATION


MILLIREM/HOUR PER CURIE/SEC OF IODINE RELEASED

DOWNDRAFT DISTANCE FROM PLANT

UPPER WIND SPEED (MPH)	1 MI	2 MI	3 MI	4 MI	5 MI	6 MI	7 MI	8 MI	9 MI	10 MI
1	1.00E-03	6.57E-04	4.56E-04	3.50E-04	2.87E-04	2.44E-04	2.12E-04	1.86E-04	1.67E-04	1.54E-04
2	5.10E-04	3.29E-04	2.30E-04	1.75E-04	1.44E-04	1.22E-04	1.05E-04	9.42E-05	8.45E-05	7.62E-05
3	4.10E-04	2.59E-04	1.82E-04	1.37E-04	1.12E-04	9.55E-05	8.27E-05	7.27E-05	6.52E-05	5.92E-05
4	3.37E-04	2.14E-04	1.54E-04	1.14E-04	9.37E-05	7.99E-05	6.92E-05	6.07E-05	5.42E-05	4.92E-05
5	2.84E-04	1.81E-04	1.31E-04	9.82E-05	8.12E-05	6.88E-05	5.92E-05	5.17E-05	4.62E-05	4.22E-05
6	2.45E-04	1.56E-04	1.12E-04	8.45E-05	7.02E-05	5.92E-05	5.12E-05	4.47E-05	4.02E-05	3.67E-05
7	2.14E-04	1.37E-04	1.01E-04	7.52E-05	6.27E-05	5.32E-05	4.62E-05	4.07E-05	3.67E-05	3.37E-05
8	1.87E-04	1.21E-04	8.82E-05	6.62E-05	5.52E-05	4.72E-05	4.12E-05	3.62E-05	3.27E-05	3.02E-05
9	1.67E-04	1.07E-04	7.82E-05	5.82E-05	4.82E-05	4.12E-05	3.62E-05	3.22E-05	2.92E-05	2.72E-05
10	1.50E-04	9.72E-05	7.12E-05	5.32E-05	4.42E-05	3.82E-05	3.32E-05	2.92E-05	2.62E-05	2.42E-05
11	1.37E-04	8.82E-05	6.52E-05	4.82E-05	4.02E-05	3.42E-05	3.02E-05	2.62E-05	2.32E-05	2.12E-05
12	1.22E-04	7.92E-05	5.82E-05	4.32E-05	3.62E-05	3.12E-05	2.72E-05	2.42E-05	2.12E-05	1.92E-05
13	1.07E-04	7.02E-05	5.12E-05	3.82E-05	3.22E-05	2.82E-05	2.42E-05	2.12E-05	1.82E-05	1.62E-05
14	9.42E-05	6.12E-05	4.52E-05	3.32E-05	2.82E-05	2.42E-05	2.12E-05	1.82E-05	1.62E-05	1.42E-05
15	8.27E-05	5.42E-05	4.02E-05	2.92E-05	2.52E-05	2.12E-05	1.82E-05	1.62E-05	1.42E-05	1.22E-05
16	7.27E-05	4.72E-05	3.52E-05	2.62E-05	2.22E-05	1.92E-05	1.62E-05	1.42E-05	1.22E-05	1.02E-05
17	6.42E-05	4.12E-05	3.12E-05	2.32E-05	1.92E-05	1.62E-05	1.42E-05	1.22E-05	1.02E-05	9.22E-06
18	5.72E-05	3.62E-05	2.72E-05	2.02E-05	1.72E-05	1.42E-05	1.22E-05	1.02E-05	9.22E-06	8.22E-06
19	5.12E-05	3.22E-05	2.42E-05	1.82E-05	1.52E-05	1.22E-05	1.02E-05	9.22E-06	8.22E-06	7.22E-06
20	4.62E-05	2.92E-05	2.22E-05	1.62E-05	1.32E-05	1.02E-05	9.22E-06	8.22E-06	7.22E-06	6.22E-06
21	4.12E-05	2.62E-05	2.02E-05	1.42E-05	1.12E-05	9.22E-06	8.22E-06	7.22E-06	6.22E-06	5.22E-06
22	3.72E-05	2.32E-05	1.82E-05	1.32E-05	1.02E-05	8.22E-06	7.22E-06	6.22E-06	5.22E-06	4.22E-06
23	3.37E-05	2.12E-05	1.62E-05	1.12E-05	9.22E-06	7.22E-06	6.22E-06	5.22E-06	4.22E-06	3.22E-06
24	3.02E-05	1.92E-05	1.42E-05	1.02E-05	8.22E-06	6.22E-06	5.22E-06	4.22E-06	3.22E-06	2.22E-06
25	2.72E-05	1.72E-05	1.32E-05	9.22E-06	7.22E-06	5.22E-06	4.22E-06	3.22E-06	2.22E-06	1.22E-06
26	2.42E-05	1.52E-05	1.12E-05	8.22E-06	6.22E-06	4.22E-06	3.22E-06	2.22E-06	1.22E-06	1.02E-06
27	2.12E-05	1.32E-05	1.02E-05	7.22E-06	5.22E-06	3.22E-06	2.22E-06	1.22E-06	1.02E-06	9.22E-07
28	1.87E-05	1.12E-05	8.22E-06	6.22E-06	4.22E-06	2.22E-06	1.22E-06	1.02E-06	9.22E-07	8.22E-07
29	1.67E-05	1.02E-05	7.22E-06	5.22E-06	3.22E-06	1.22E-06	1.02E-06	9.22E-07	8.22E-07	7.22E-07
30	1.50E-05	9.22E-06	6.22E-06	4.22E-06	2.22E-06	1.02E-06	9.22E-07	8.22E-07	7.22E-07	6.22E-07
31	1.37E-05	8.22E-06	5.22E-06	3.22E-06	1.52E-06	1.02E-06	9.22E-07	8.22E-07	7.22E-07	6.22E-07
32	1.22E-05	7.22E-06	4.22E-06	2.22E-06	1.12E-06	9.22E-07	8.22E-07	7.22E-07	6.22E-07	5.22E-07
33	1.07E-05	6.22E-06	3.22E-06	1.52E-06	9.22E-07	8.22E-07	7.22E-07	6.22E-07	5.22E-07	4.22E-07
34	9.42E-06	5.22E-06	2.22E-06	1.02E-06	8.22E-07	7.22E-07	6.22E-07	5.22E-07	4.22E-07	3.22E-07
35	8.27E-06	4.22E-06	1.52E-06	8.22E-07	6.22E-07	5.22E-07	4.22E-07	3.22E-07	2.22E-07	1.22E-07
36	7.27E-06	3.62E-06	1.32E-06	7.22E-07	5.22E-07	4.22E-07	3.22E-07	2.22E-07	1.22E-07	1.02E-07
37	6.42E-06	3.12E-06	1.12E-06	6.22E-07	4.22E-07	3.22E-07	2.22E-07	1.22E-07	1.02E-07	9.22E-08
38	5.72E-06	2.72E-06	1.02E-06	5.22E-07	3.22E-07	2.22E-07	1.22E-07	1.02E-07	9.22E-08	8.22E-08
39	5.12E-06	2.32E-06	9.22E-07	4.22E-07	2.22E-07	1.52E-07	1.02E-07	9.22E-08	8.22E-08	7.22E-08
40	4.62E-06	2.02E-06	8.22E-07	3.22E-07	1.52E-07	1.02E-07	9.22E-08	8.22E-08	7.22E-08	6.22E-08
41	4.12E-06	1.72E-06	7.22E-07	2.22E-07	1.12E-07	9.22E-08	8.22E-08	7.22E-08	6.22E-08	5.22E-08
42	3.72E-06	1.52E-06	6.22E-07	1.52E-07	9.22E-08	8.22E-08	7.22E-08	6.22E-08	5.22E-08	4.22E-08
43	3.37E-06	1.32E-06	5.22E-07	1.12E-07	8.22E-08	7.22E-08	6.22E-08	5.22E-08	4.22E-08	3.22E-08
44	3.02E-06	1.12E-06	4.22E-07	9.22E-08	7.22E-08	6.22E-08	5.22E-08	4.22E-08	3.22E-08	2.22E-08
45	2.72E-06	1.02E-06	3.22E-07	8.22E-08	6.22E-08	5.22E-08	4.22E-08	3.22E-08	2.22E-08	1.22E-08
46	2.42E-06	9.22E-07	2.22E-07	7.22E-08	5.22E-08	4.22E-08	3.22E-08	2.22E-08	1.22E-08	1.02E-08
47	2.12E-06	8.22E-07	1.52E-07	6.22E-08	4.22E-08	3.22E-08	2.22E-08	1.22E-08	1.02E-08	9.22E-09
48	1.87E-06	7.22E-07	1.32E-07	5.22E-08	3.22E-08	2.22E-08	1.22E-08	1.02E-08	9.22E-09	8.22E-09
49	1.67E-06	6.22E-07	1.12E-07	4.22E-08	2.22E-08	1.52E-08	1.02E-08	9.22E-09	8.22E-09	7.22E-09
50	1.50E-06	5.22E-07	9.22E-08	3.22E-08	1.52E-08	1.02E-08	9.22E-09	8.22E-09	7.22E-09	6.22E-09

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APPENDIX A VERIFICATION TABLES

VERIFICATION TABLE

STADI LEVEL RELEASE
STABILITY CLASS F
FURNIGATION

MILLIREM/HOUR PER CURIE/SEC OF IODINE RELEASED

DOWNDRAIFT DISTANCE FROM PLANT

WIND
SPEED
(MPH)

	1 MI	2 MI	3 MI	4 MI	5 MI	6 MI	7 MI	8 MI	9 MI	10 MI
1	1.70E+02	9.30E+01	6.20E+01	5.00E+01	4.10E+01	3.50E+01	3.00E+01	2.70E+01	2.40E+01	2.20E+01
2	3.90E+01	2.00E+01	1.30E+01	1.00E+01	8.00E+00	7.00E+00	6.00E+00	5.00E+00	4.50E+00	4.00E+00
3	5.90E+01	3.00E+01	2.00E+01	1.50E+01	1.20E+01	1.00E+01	8.00E+00	7.00E+00	6.00E+00	5.00E+00
4	7.90E+01	4.00E+01	2.50E+01	2.00E+01	1.60E+01	1.30E+01	1.00E+01	9.00E+00	8.00E+00	7.00E+00
5	9.90E+01	5.00E+01	3.00E+01	2.50E+01	2.00E+01	1.60E+01	1.30E+01	1.00E+01	9.00E+00	8.00E+00
6	1.19E+02	6.00E+01	3.50E+01	3.00E+01	2.50E+01	2.00E+01	1.60E+01	1.30E+01	1.00E+01	9.00E+00
7	1.39E+02	7.00E+01	4.00E+01	3.50E+01	3.00E+01	2.50E+01	2.00E+01	1.60E+01	1.30E+01	1.00E+01
8	1.59E+02	8.00E+01	4.50E+01	4.00E+01	3.50E+01	3.00E+01	2.50E+01	2.00E+01	1.60E+01	1.30E+01
9	1.79E+02	9.00E+01	5.00E+01	4.50E+01	4.00E+01	3.50E+01	3.00E+01	2.50E+01	2.00E+01	1.60E+01
10	1.99E+02	1.00E+02	5.50E+01	5.00E+01	4.50E+01	4.00E+01	3.50E+01	3.00E+01	2.50E+01	2.00E+01
11	2.19E+02	1.10E+02	6.00E+01	5.50E+01	5.00E+01	4.50E+01	4.00E+01	3.50E+01	3.00E+01	2.50E+01
12	2.39E+02	1.20E+02	6.50E+01	6.00E+01	5.50E+01	5.00E+01	4.50E+01	4.00E+01	3.50E+01	3.00E+01
13	2.59E+02	1.30E+02	7.00E+01	6.50E+01	6.00E+01	5.50E+01	5.00E+01	4.50E+01	4.00E+01	3.50E+01
14	2.79E+02	1.40E+02	7.50E+01	7.00E+01	6.50E+01	6.00E+01	5.50E+01	5.00E+01	4.50E+01	4.00E+01
15	2.99E+02	1.50E+02	8.00E+01	7.50E+01	7.00E+01	6.50E+01	6.00E+01	5.50E+01	5.00E+01	4.50E+01
16	3.19E+02	1.60E+02	8.50E+01	8.00E+01	7.50E+01	7.00E+01	6.50E+01	6.00E+01	5.50E+01	5.00E+01
17	3.39E+02	1.70E+02	9.00E+01	8.50E+01	8.00E+01	7.50E+01	7.00E+01	6.50E+01	6.00E+01	5.50E+01
18	3.59E+02	1.80E+02	9.50E+01	9.00E+01	8.50E+01	8.00E+01	7.50E+01	7.00E+01	6.50E+01	6.00E+01
19	3.79E+02	1.90E+02	1.00E+02	9.50E+01	9.00E+01	8.50E+01	8.00E+01	7.50E+01	7.00E+01	6.50E+01
20	3.99E+02	2.00E+02	1.05E+02	1.00E+02	9.50E+01	9.00E+01	8.50E+01	8.00E+01	7.50E+01	7.00E+01
21	4.19E+02	2.10E+02	1.10E+02	1.05E+02	1.00E+02	9.50E+01	9.00E+01	8.50E+01	8.00E+01	7.50E+01
22	4.39E+02	2.20E+02	1.15E+02	1.10E+02	1.05E+02	1.00E+02	9.50E+01	9.00E+01	8.50E+01	8.00E+01
23	4.59E+02	2.30E+02	1.20E+02	1.15E+02	1.10E+02	1.05E+02	1.00E+02	9.50E+01	9.00E+01	8.50E+01
24	4.79E+02	2.40E+02	1.25E+02	1.20E+02	1.15E+02	1.10E+02	1.05E+02	1.00E+02	9.50E+01	9.00E+01
25	4.99E+02	2.50E+02	1.30E+02	1.25E+02	1.20E+02	1.15E+02	1.10E+02	1.05E+02	1.00E+02	9.50E+01
26	5.19E+02	2.60E+02	1.35E+02	1.30E+02	1.25E+02	1.20E+02	1.15E+02	1.10E+02	1.05E+02	1.00E+02
27	5.39E+02	2.70E+02	1.40E+02	1.35E+02	1.30E+02	1.25E+02	1.20E+02	1.15E+02	1.10E+02	1.05E+02
28	5.59E+02	2.80E+02	1.45E+02	1.40E+02	1.35E+02	1.30E+02	1.25E+02	1.20E+02	1.15E+02	1.10E+02
29	5.79E+02	2.90E+02	1.50E+02	1.45E+02	1.40E+02	1.35E+02	1.30E+02	1.25E+02	1.20E+02	1.15E+02
30	5.99E+02	3.00E+02	1.55E+02	1.50E+02	1.45E+02	1.40E+02	1.35E+02	1.30E+02	1.25E+02	1.20E+02
31	6.19E+02	3.10E+02	1.60E+02	1.55E+02	1.50E+02	1.45E+02	1.40E+02	1.35E+02	1.30E+02	1.25E+02
32	6.39E+02	3.20E+02	1.65E+02	1.60E+02	1.55E+02	1.50E+02	1.45E+02	1.40E+02	1.35E+02	1.30E+02
33	6.59E+02	3.30E+02	1.70E+02	1.65E+02	1.60E+02	1.55E+02	1.50E+02	1.45E+02	1.40E+02	1.35E+02
34	6.79E+02	3.40E+02	1.75E+02	1.70E+02	1.65E+02	1.60E+02	1.55E+02	1.50E+02	1.45E+02	1.40E+02
35	6.99E+02	3.50E+02	1.80E+02	1.75E+02	1.70E+02	1.65E+02	1.60E+02	1.55E+02	1.50E+02	1.45E+02
36	7.19E+02	3.60E+02	1.85E+02	1.80E+02	1.75E+02	1.70E+02	1.65E+02	1.60E+02	1.55E+02	1.50E+02
37	7.39E+02	3.70E+02	1.90E+02	1.85E+02	1.80E+02	1.75E+02	1.70E+02	1.65E+02	1.60E+02	1.55E+02
38	7.59E+02	3.80E+02	1.95E+02	1.90E+02	1.85E+02	1.80E+02	1.75E+02	1.70E+02	1.65E+02	1.60E+02
39	7.79E+02	3.90E+02	2.00E+02	1.95E+02	1.90E+02	1.85E+02	1.80E+02	1.75E+02	1.70E+02	1.65E+02
40	7.99E+02	4.00E+02	2.05E+02	2.00E+02	1.95E+02	1.90E+02	1.85E+02	1.80E+02	1.75E+02	1.70E+02
41	8.19E+02	4.10E+02	2.10E+02	2.05E+02	2.00E+02	1.95E+02	1.90E+02	1.85E+02	1.80E+02	1.75E+02
42	8.39E+02	4.20E+02	2.15E+02	2.10E+02	2.05E+02	2.00E+02	1.95E+02	1.90E+02	1.85E+02	1.80E+02
43	8.59E+02	4.30E+02	2.20E+02	2.15E+02	2.10E+02	2.05E+02	2.00E+02	1.95E+02	1.90E+02	1.85E+02
44	8.79E+02	4.40E+02	2.25E+02	2.20E+02	2.15E+02	2.10E+02	2.05E+02	2.00E+02	1.95E+02	1.90E+02
45	8.99E+02	4.50E+02	2.30E+02	2.25E+02	2.20E+02	2.15E+02	2.10E+02	2.05E+02	2.00E+02	1.95E+02
46	9.19E+02	4.60E+02	2.35E+02	2.30E+02	2.25E+02	2.20E+02	2.15E+02	2.10E+02	2.05E+02	2.00E+02
47	9.39E+02	4.70E+02	2.40E+02	2.35E+02	2.30E+02	2.25E+02	2.20E+02	2.15E+02	2.10E+02	2.05E+02
48	9.59E+02	4.80E+02	2.45E+02	2.40E+02	2.35E+02	2.30E+02	2.25E+02	2.20E+02	2.15E+02	2.10E+02
49	9.79E+02	4.90E+02	2.50E+02	2.45E+02	2.40E+02	2.35E+02	2.30E+02	2.25E+02	2.20E+02	2.15E+02
50	9.99E+02	5.00E+02	2.55E+02	2.50E+02	2.45E+02	2.40E+02	2.35E+02	2.30E+02	2.25E+02	2.20E+02

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APPENDIX A VERIFICATION TABLES

VERIFICATION TABLE

STACK LEVEL RELEASE
STABILITY CLASS A
FUMIGATION

MILLIREM/HOUR PER CURIE/SEC OF NOBLE GASES RELEASED

UPPER AND SPEED (MPH)	DOWNWIND DISTANCE FROM PLANT									
	1 MI	2 MI	3 MI	4 MI	5 MI	6 MI	7 MI	8 MI	9 MI	10 MI
1	1.10E-02	5.00E-03	4.30E-03	3.80E-03	3.30E-03	3.00E-03	2.70E-03	2.40E-03	2.20E-03	2.00E-03
2	5.00E-03	3.10E-03	2.60E-03	2.20E-03	1.90E-03	1.70E-03	1.50E-03	1.30E-03	1.20E-03	1.10E-03
3	3.40E-03	2.00E-03	1.70E-03	1.40E-03	1.20E-03	1.10E-03	1.00E-03	9.00E-04	8.00E-04	7.00E-04
4	2.90E-03	1.50E-03	1.30E-03	1.10E-03	9.00E-04	8.00E-04	7.00E-04	6.00E-04	5.00E-04	4.00E-04
5	2.00E-03	1.00E-03	8.00E-04	7.00E-04	6.00E-04	5.00E-04	4.00E-04	3.00E-04	2.00E-04	1.00E-04
6	1.50E-03	7.00E-04	6.00E-04	5.00E-04	4.00E-04	3.00E-04	2.00E-04	1.00E-04	1.00E-04	1.00E-04
7	1.00E-03	5.00E-04	4.00E-04	3.00E-04	2.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04
8	7.00E-04	3.00E-04	2.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04
9	5.00E-04	2.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04
10	3.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04
11	2.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04
12	1.50E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04
13	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04
14	8.00E-05	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04
15	6.00E-05	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04
16	5.00E-05	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04
17	4.00E-05	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04
18	3.00E-05	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04
19	2.00E-05	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04
20	1.00E-05	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04
21	1.00E-05	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04
22	1.00E-05	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04
23	1.00E-05	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04
24	1.00E-05	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04
25	1.00E-05	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04
26	1.00E-05	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04
27	1.00E-05	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04
28	1.00E-05	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04
29	1.00E-05	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04
30	1.00E-05	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04
31	1.00E-05	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04
32	1.00E-05	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04
33	1.00E-05	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04
34	1.00E-05	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04
35	1.00E-05	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04
36	1.00E-05	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04
37	1.00E-05	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04
38	1.00E-05	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04
39	1.00E-05	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04
40	1.00E-05	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04
41	1.00E-05	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04
42	1.00E-05	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04
43	1.00E-05	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04
44	1.00E-05	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04
45	1.00E-05	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04
46	1.00E-05	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04
47	1.00E-05	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04
48	1.00E-05	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04
49	1.00E-05	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04
50	1.00E-05	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04


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VERIFICATION TABLE

STACK LEVEL RELEASE
STABILITY CLASS B
FUMIGATION

MILLIREY/HOUR PER CURIE/SEC OF NOBLE GASES RELEASED

DOWNWIND DISTANCE FROM PLANT


UPPER WIND SPEED (MPH)	1 MI	2 MI	3 MI	4 MI	5 MI	6 MI	7 MI	8 MI	9 MI	10 MI
1	6.70E-02	2.00E-02	9.30E-03	5.31E-03	3.25E-03	2.00E-03	1.20E-03	7.50E-04	4.50E-04	2.70E-04
2	1.40E-02	1.00E-02	4.50E-03	2.50E-03	1.50E-03	9.00E-04	5.50E-04	3.50E-04	2.00E-04	1.20E-04
3	2.00E-02	5.00E-03	3.00E-03	1.70E-03	1.00E-03	6.00E-04	3.50E-04	2.00E-04	1.10E-04	6.50E-05
4	1.70E-02	5.00E-03	2.00E-03	1.00E-03	6.00E-04	3.50E-04	2.00E-04	1.10E-04	6.50E-05	3.50E-05
5	1.70E-02	4.00E-03	1.50E-03	8.00E-04	5.00E-04	3.00E-04	1.80E-04	1.00E-04	6.00E-05	3.50E-05
6	1.70E-02	3.00E-03	1.00E-03	6.00E-04	4.00E-04	2.50E-04	1.50E-04	9.00E-05	5.50E-05	3.00E-05
7	9.50E-03	2.00E-03	1.00E-03	7.00E-04	5.00E-04	3.00E-04	1.80E-04	1.00E-04	6.00E-05	3.50E-05
8	8.00E-03	1.50E-03	8.00E-04	5.00E-04	3.50E-04	2.00E-04	1.20E-04	7.50E-05	4.50E-05	2.50E-05
9	7.00E-03	1.50E-03	7.00E-04	4.50E-04	3.00E-04	1.80E-04	1.00E-04	6.00E-05	3.50E-05	2.00E-05
10	6.00E-03	1.50E-03	6.00E-04	4.00E-04	2.50E-04	1.50E-04	9.00E-05	5.50E-05	3.00E-05	1.80E-05
11	5.00E-03	1.00E-03	5.00E-04	3.50E-04	2.00E-04	1.20E-04	7.50E-05	4.50E-05	2.50E-05	1.50E-05
12	5.00E-03	1.00E-03	4.50E-04	3.00E-04	1.80E-04	1.00E-04	6.00E-05	3.50E-05	2.00E-05	1.20E-05
13	5.00E-03	1.00E-03	4.00E-04	2.50E-04	1.50E-04	9.00E-05	5.50E-05	3.00E-05	1.80E-05	1.00E-05
14	4.00E-03	1.00E-03	3.50E-04	2.00E-04	1.20E-04	7.50E-05	4.50E-05	2.50E-05	1.50E-05	9.00E-06
15	4.00E-03	1.00E-03	3.00E-04	1.80E-04	1.00E-04	6.00E-05	3.50E-05	2.00E-05	1.20E-05	7.00E-06
16	4.00E-03	1.00E-03	2.50E-04	1.50E-04	9.00E-05	5.50E-05	3.00E-05	1.80E-05	1.00E-05	6.00E-06
17	4.00E-03	1.00E-03	2.00E-04	1.20E-04	7.50E-05	4.50E-05	2.50E-05	1.50E-05	9.00E-06	5.00E-06
18	3.50E-03	1.00E-03	1.80E-04	1.00E-04	6.00E-05	3.50E-05	2.00E-05	1.20E-05	7.00E-06	4.00E-06
19	3.50E-03	1.00E-03	1.50E-04	8.00E-05	5.00E-05	3.00E-05	1.80E-05	1.00E-05	6.00E-06	3.50E-06
20	3.50E-03	1.00E-03	1.20E-04	7.00E-05	4.00E-05	2.50E-05	1.50E-05	9.00E-06	5.50E-06	3.00E-06
21	3.50E-03	1.00E-03	1.00E-04	6.00E-05	3.50E-05	2.00E-05	1.20E-05	7.50E-06	4.50E-06	2.50E-06
22	3.50E-03	1.00E-03	9.00E-05	5.00E-05	3.00E-05	1.80E-05	1.00E-05	6.00E-06	3.50E-06	2.00E-06
23	3.50E-03	1.00E-03	8.00E-05	4.50E-05	2.50E-05	1.50E-05	9.00E-06	5.50E-06	3.00E-06	1.80E-06
24	3.50E-03	1.00E-03	7.00E-05	4.00E-05	2.00E-05	1.20E-05	7.50E-06	4.50E-06	2.50E-06	1.50E-06
25	3.50E-03	1.00E-03	6.00E-05	3.50E-05	1.80E-05	1.00E-05	6.00E-06	3.50E-06	2.00E-06	1.20E-06
26	3.50E-03	1.00E-03	5.00E-05	3.00E-05	1.50E-05	9.00E-06	5.50E-06	3.00E-06	1.80E-06	1.00E-06
27	3.50E-03	1.00E-03	4.50E-05	2.50E-05	1.20E-05	7.50E-06	4.50E-06	2.50E-06	1.50E-06	9.00E-07
28	3.50E-03	1.00E-03	4.00E-05	2.00E-05	1.00E-05	6.00E-06	3.50E-06	2.00E-06	1.20E-06	7.00E-07
29	3.50E-03	1.00E-03	3.50E-05	1.80E-05	9.00E-06	5.50E-06	3.00E-06	1.80E-06	1.00E-06	6.00E-07
30	3.50E-03	1.00E-03	3.00E-05	1.50E-05	8.00E-06	4.50E-06	2.50E-06	1.50E-06	9.00E-07	5.00E-07
31	3.50E-03	1.00E-03	2.50E-05	1.20E-05	7.00E-06	4.00E-06	2.00E-06	1.20E-06	7.00E-07	4.00E-07
32	3.50E-03	1.00E-03	2.00E-05	1.00E-05	6.00E-06	3.50E-06	2.00E-06	1.20E-06	7.00E-07	4.00E-07
33	3.50E-03	1.00E-03	1.80E-05	9.00E-06	5.00E-06	3.00E-06	1.80E-06	1.00E-06	6.00E-07	3.50E-07
34	3.50E-03	1.00E-03	1.50E-05	8.00E-06	4.50E-06	2.50E-06	1.50E-06	9.00E-07	5.50E-07	3.00E-07
35	3.50E-03	1.00E-03	1.20E-05	7.00E-06	4.00E-06	2.00E-06	1.20E-06	7.00E-07	4.00E-07	2.50E-07
36	3.50E-03	1.00E-03	1.00E-05	6.00E-06	3.50E-06	2.00E-06	1.20E-06	7.00E-07	4.00E-07	2.00E-07
37	3.50E-03	1.00E-03	9.00E-06	5.00E-06	3.00E-06	1.80E-06	1.00E-06	6.00E-07	3.50E-07	2.00E-07
38	3.50E-03	1.00E-03	8.00E-06	4.50E-06	2.50E-06	1.50E-06	9.00E-07	5.50E-07	3.00E-07	1.80E-07
39	3.50E-03	1.00E-03	7.00E-06	4.00E-06	2.00E-06	1.20E-06	7.50E-07	4.50E-07	2.50E-07	1.50E-07
40	3.50E-03	1.00E-03	6.00E-06	3.50E-06	1.80E-06	1.00E-06	6.00E-07	3.50E-07	2.00E-07	1.20E-07
41	3.50E-03	1.00E-03	5.00E-06	3.00E-06	1.50E-06	9.00E-07	5.50E-07	3.00E-07	1.80E-07	1.00E-07
42	3.50E-03	1.00E-03	4.50E-06	2.50E-06	1.20E-06	7.50E-07	4.50E-07	2.50E-07	1.50E-07	9.00E-08
43	3.50E-03	1.00E-03	4.00E-06	2.00E-06	1.00E-06	6.00E-07	3.50E-07	2.00E-07	1.20E-07	7.00E-08
44	3.50E-03	1.00E-03	3.50E-06	1.80E-06	9.00E-07	5.50E-07	3.00E-07	1.80E-07	1.00E-07	6.00E-08
45	3.50E-03	1.00E-03	3.00E-06	1.50E-06	8.00E-07	4.50E-07	2.50E-07	1.50E-07	9.00E-08	5.00E-08
46	3.50E-03	1.00E-03	2.50E-06	1.20E-06	7.00E-07	4.00E-07	2.00E-07	1.20E-07	7.00E-08	4.00E-08
47	3.50E-03	1.00E-03	2.00E-06	1.00E-06	6.00E-07	3.50E-07	2.00E-07	1.20E-07	7.00E-08	4.00E-08
48	3.50E-03	1.00E-03	1.80E-06	9.00E-07	5.00E-07	3.00E-07	1.80E-07	1.00E-07	6.00E-08	3.50E-08
49	3.50E-03	1.00E-03	1.50E-06	8.00E-07	4.50E-07	2.50E-07	1.50E-07	9.00E-08	5.50E-08	3.00E-08
50	3.50E-03	1.00E-03	1.20E-06	7.00E-07	4.00E-07	2.00E-07	1.20E-07	7.00E-08	4.00E-08	2.50E-08

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VERIFICATION TABLE

STACK LEVEL RELEASE
STABILITY CLASS C
FUMIGATION


MILLIREM/HOUR PER CURIE/SEC OF IODINE GASES RELEASED

DOWNWIND DISTANCE FROM PLANT

WIND DIRECTION SPEED (MPH)	1 MI	2 MI	3 MI	4 MI	5 MI	6 MI	7 MI	8 MI	9 MI	10 MI
1	1.34E-01	4.50E-02	2.35E-02	1.44E-02	9.77E-03	7.20E-03	5.38E-03	4.56E-03	4.12E-03	3.74E-03
2	5.10E-02	2.55E-02	1.18E-02	7.21E-03	4.88E-03	3.54E-03	2.59E-03	2.02E-03	2.01E-03	1.87E-03
3	3.47E-02	1.53E-02	7.84E-03	4.81E-03	3.16E-03	2.34E-03	1.79E-03	1.52E-03	1.37E-03	1.25E-03
4	2.60E-02	1.12E-02	5.82E-03	3.52E-03	2.44E-03	1.77E-03	1.35E-03	1.14E-03	1.02E-03	9.34E-04
5	2.07E-02	9.01E-03	4.71E-03	2.85E-03	1.95E-03	1.42E-03	1.08E-03	9.12E-04	8.21E-04	7.47E-04
6	1.72E-02	7.50E-03	3.92E-03	2.42E-03	1.63E-03	1.18E-03	8.97E-04	7.62E-04	6.54E-04	5.94E-04
7	1.49E-02	6.42E-03	3.36E-03	2.06E-03	1.42E-03	1.01E-03	7.69E-04	6.52E-04	5.61E-04	5.07E-04
8	1.30E-02	5.62E-03	2.94E-03	1.82E-03	1.22E-03	8.85E-04	6.73E-04	5.72E-04	5.13E-04	4.67E-04
9	1.16E-02	5.02E-03	2.61E-03	1.62E-03	1.07E-03	7.87E-04	5.98E-04	5.26E-04	4.56E-04	4.15E-04
10	1.04E-02	4.52E-03	2.35E-03	1.44E-03	9.77E-04	7.20E-04	5.38E-04	4.56E-04	4.12E-04	3.74E-04
11	9.46E-03	4.07E-03	2.14E-03	1.31E-03	8.85E-04	6.44E-04	4.89E-04	4.14E-04	3.73E-04	3.42E-04
12	8.67E-03	3.73E-03	1.96E-03	1.23E-03	8.14E-04	5.92E-04	4.49E-04	3.80E-04	3.41E-04	3.11E-04
13	8.01E-03	3.46E-03	1.81E-03	1.11E-03	7.52E-04	5.45E-04	4.14E-04	3.51E-04	3.14E-04	2.85E-04
14	7.43E-03	3.22E-03	1.68E-03	1.03E-03	6.95E-04	5.06E-04	3.84E-04	3.26E-04	2.92E-04	2.65E-04
15	6.94E-03	3.00E-03	1.57E-03	9.61E-04	6.51E-04	4.72E-04	3.59E-04	3.04E-04	2.72E-04	2.47E-04
16	6.53E-03	2.81E-03	1.47E-03	9.21E-04	6.11E-04	4.42E-04	3.36E-04	2.85E-04	2.57E-04	2.34E-04
17	6.12E-03	2.65E-03	1.38E-03	8.48E-04	5.75E-04	4.16E-04	3.17E-04	2.69E-04	2.43E-04	2.21E-04
18	5.78E-03	2.52E-03	1.31E-03	8.21E-04	5.42E-04	3.93E-04	2.97E-04	2.52E-04	2.28E-04	2.08E-04
19	5.48E-03	2.37E-03	1.24E-03	7.59E-04	5.14E-04	3.72E-04	2.82E-04	2.40E-04	2.16E-04	1.97E-04
20	5.23E-03	2.25E-03	1.19E-03	7.21E-04	4.89E-04	3.54E-04	2.69E-04	2.28E-04	2.06E-04	1.87E-04
21	4.98E-03	2.14E-03	1.12E-03	6.87E-04	4.65E-04	3.37E-04	2.54E-04	2.17E-04	1.95E-04	1.76E-04
22	4.73E-03	2.05E-03	1.07E-03	6.55E-04	4.44E-04	3.22E-04	2.45E-04	2.07E-04	1.87E-04	1.68E-04
23	4.53E-03	1.94E-03	1.02E-03	6.27E-04	4.25E-04	3.05E-04	2.34E-04	1.98E-04	1.78E-04	1.60E-04
24	4.34E-03	1.85E-03	9.82E-04	6.01E-04	4.07E-04	2.95E-04	2.24E-04	1.92E-04	1.71E-04	1.53E-04
25	4.16E-03	1.76E-03	9.41E-04	5.77E-04	3.91E-04	2.82E-04	2.15E-04	1.82E-04	1.64E-04	1.46E-04
26	4.00E-03	1.67E-03	9.25E-04	5.55E-04	3.76E-04	2.72E-04	2.07E-04	1.75E-04	1.58E-04	1.40E-04
27	3.85E-03	1.57E-03	8.71E-04	5.34E-04	3.62E-04	2.62E-04	1.99E-04	1.69E-04	1.52E-04	1.35E-04
28	3.70E-03	1.48E-03	8.42E-04	5.15E-04	3.49E-04	2.53E-04	1.92E-04	1.63E-04	1.47E-04	1.30E-04
29	3.55E-03	1.41E-03	8.11E-04	4.97E-04	3.37E-04	2.44E-04	1.86E-04	1.57E-04	1.42E-04	1.26E-04
30	3.47E-03	1.37E-03	7.94E-04	4.81E-04	3.26E-04	2.36E-04	1.79E-04	1.52E-04	1.37E-04	1.22E-04
31	3.36E-03	1.35E-03	7.59E-04	4.65E-04	3.15E-04	2.29E-04	1.74E-04	1.47E-04	1.32E-04	1.17E-04
32	3.25E-03	1.31E-03	7.35E-04	4.51E-04	3.05E-04	2.21E-04	1.68E-04	1.42E-04	1.28E-04	1.13E-04
33	3.15E-03	1.26E-03	7.13E-04	4.37E-04	2.94E-04	2.15E-04	1.63E-04	1.38E-04	1.24E-04	1.10E-04
34	3.05E-03	1.22E-03	6.92E-04	4.24E-04	2.87E-04	2.09E-04	1.58E-04	1.34E-04	1.21E-04	1.07E-04
35	2.97E-03	1.20E-03	6.72E-04	4.12E-04	2.79E-04	2.02E-04	1.54E-04	1.30E-04	1.17E-04	1.03E-04
36	2.89E-03	1.18E-03	6.53E-04	4.02E-04	2.71E-04	1.97E-04	1.50E-04	1.27E-04	1.14E-04	1.01E-04
37	2.81E-03	1.15E-03	6.36E-04	3.92E-04	2.64E-04	1.91E-04	1.45E-04	1.23E-04	1.11E-04	9.81E-05
38	2.74E-03	1.13E-03	6.19E-04	3.79E-04	2.57E-04	1.86E-04	1.42E-04	1.20E-04	1.08E-04	9.52E-05
39	2.67E-03	1.11E-03	6.02E-04	3.70E-04	2.51E-04	1.82E-04	1.38E-04	1.17E-04	1.05E-04	9.34E-05
40	2.62E-03	1.10E-03	5.88E-04	3.62E-04	2.44E-04	1.77E-04	1.35E-04	1.14E-04	1.02E-04	9.15E-05
41	2.54E-03	1.12E-03	5.74E-04	3.52E-04	2.38E-04	1.73E-04	1.31E-04	1.11E-04	9.77E-05	8.70E-05
42	2.48E-03	1.07E-03	5.62E-04	3.43E-04	2.32E-04	1.69E-04	1.28E-04	1.07E-04	9.55E-05	8.47E-05
43	2.42E-03	1.05E-03	5.47E-04	3.35E-04	2.27E-04	1.62E-04	1.25E-04	1.04E-04	9.33E-05	8.40E-05
44	2.37E-03	1.03E-03	5.35E-04	3.28E-04	2.22E-04	1.61E-04	1.22E-04	1.01E-04	9.12E-05	8.32E-05
45	2.31E-03	1.02E-03	5.23E-04	3.22E-04	2.17E-04	1.57E-04	1.20E-04	9.91E-05	8.92E-05	8.12E-05
46	2.26E-03	9.77E-04	5.11E-04	3.17E-04	2.12E-04	1.54E-04	1.17E-04	9.70E-05	8.70E-05	7.95E-05
47	2.21E-03	9.58E-04	5.01E-04	3.07E-04	2.08E-04	1.51E-04	1.15E-04	9.50E-05	8.55E-05	7.79E-05
48	2.17E-03	9.38E-04	4.92E-04	3.02E-04	2.04E-04	1.48E-04	1.12E-04	9.30E-05	8.38E-05	7.62E-05
49	2.12E-03	9.19E-04	4.84E-04	2.94E-04	1.99E-04	1.44E-04	1.10E-04	9.10E-05	8.21E-05	7.47E-05
50	2.08E-03	9.01E-04	4.71E-04	2.88E-04	1.95E-04	1.42E-04	1.08E-04	8.92E-05	8.04E-05	7.34E-05

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E. I. HATCH NUCLEAR PLANT

Georgia Power 

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APPENDIX A VERIFICATION TABLES

VERIFICATION TABLE

STACK LEVEL RELEASE
STABILITY CLASS D
FLUTTERING

MILLIREM-HOUR PER CURIE-SEC OF NOBLE GASES RELEASED

DOWNWIND DISTANCE FROM PLANT

DOWNWIND DISTANCE FROM PLANT	1 MI	2 MI	3 MI	4 MI	5 MI	6 MI	7 MI	8 MI	9 MI	10 MI
1	3.27E-01	1.64E-01	1.14E-01	8.15E-02	6.25E-02	4.93E-02	3.93E-02	3.16E-02	2.58E-02	2.17E-02
2	1.64E-01	8.15E-02	5.70E-02	4.08E-02	3.12E-02	2.47E-02	1.97E-02	1.58E-02	1.29E-02	1.07E-02
3	1.14E-01	5.70E-02	3.82E-02	2.71E-02	2.08E-02	1.64E-02	1.29E-02	1.04E-02	8.58E-03	7.17E-03
4	8.15E-02	4.08E-02	2.71E-02	1.84E-02	1.41E-02	1.10E-02	8.75E-03	7.08E-03	5.83E-03	4.86E-03
5	6.25E-02	3.12E-02	2.08E-02	1.41E-02	1.07E-02	8.33E-03	6.58E-03	5.33E-03	4.38E-03	3.63E-03
6	4.93E-02	2.47E-02	1.64E-02	1.10E-02	8.33E-03	6.58E-03	5.33E-03	4.38E-03	3.63E-03	3.00E-03
7	3.93E-02	1.97E-02	1.29E-02	8.58E-03	6.58E-03	5.33E-03	4.38E-03	3.63E-03	3.00E-03	2.50E-03
8	3.16E-02	1.58E-02	1.04E-02	6.98E-03	5.33E-03	4.38E-03	3.63E-03	3.00E-03	2.50E-03	2.10E-03
9	2.58E-02	1.29E-02	8.58E-03	5.83E-03	4.58E-03	3.63E-03	3.00E-03	2.50E-03	2.10E-03	1.75E-03
10	2.17E-02	1.07E-02	7.17E-03	4.86E-03	3.75E-03	3.00E-03	2.50E-03	2.10E-03	1.75E-03	1.45E-03
11	1.84E-02	9.20E-03	6.25E-03	4.12E-03	3.12E-03	2.47E-03	1.97E-03	1.58E-03	1.29E-03	1.07E-03
12	1.64E-02	8.15E-03	5.70E-03	3.63E-03	2.71E-03	2.08E-03	1.64E-03	1.29E-03	1.04E-03	8.58E-04
13	1.41E-02	7.08E-03	4.86E-03	3.12E-03	2.47E-03	1.97E-03	1.58E-03	1.29E-03	1.04E-03	8.58E-04
14	1.29E-02	6.58E-03	4.38E-03	2.71E-03	2.08E-03	1.64E-03	1.29E-03	1.04E-03	8.58E-04	7.17E-04
15	1.10E-02	5.53E-03	3.63E-03	2.25E-03	1.75E-03	1.41E-03	1.10E-03	8.99E-04	7.36E-04	6.12E-04
16	9.75E-03	4.86E-03	3.12E-03	1.97E-03	1.58E-03	1.29E-03	1.04E-03	8.58E-04	7.17E-04	5.93E-04
17	8.75E-03	4.38E-03	2.71E-03	1.75E-03	1.41E-03	1.10E-03	8.99E-04	7.36E-04	6.12E-04	5.07E-04
18	7.98E-03	3.93E-03	2.47E-03	1.58E-03	1.29E-03	1.04E-03	8.58E-04	7.17E-04	5.93E-04	4.93E-04
19	7.36E-03	3.63E-03	2.25E-03	1.45E-03	1.15E-03	9.20E-04	7.50E-04	6.25E-04	5.21E-04	4.30E-04
20	6.88E-03	3.33E-03	2.08E-03	1.33E-03	1.07E-03	8.58E-04	7.08E-04	5.83E-04	4.86E-04	4.00E-04
21	6.50E-03	3.00E-03	1.97E-03	1.25E-03	1.00E-03	8.00E-04	6.67E-04	5.56E-04	4.63E-04	3.83E-04
22	6.12E-03	2.71E-03	1.84E-03	1.15E-03	9.20E-04	7.50E-04	6.25E-04	5.21E-04	4.30E-04	3.50E-04
23	5.83E-03	2.50E-03	1.75E-03	1.07E-03	8.58E-04	7.08E-04	5.83E-04	4.86E-04	4.00E-04	3.25E-04
24	5.53E-03	2.25E-03	1.64E-03	1.00E-03	8.00E-04	6.67E-04	5.56E-04	4.63E-04	3.83E-04	3.12E-04
25	5.21E-03	2.10E-03	1.58E-03	9.50E-04	7.60E-04	6.30E-04	5.21E-04	4.30E-04	3.50E-04	2.87E-04
26	4.93E-03	1.97E-03	1.50E-03	9.00E-04	7.20E-04	6.00E-04	5.00E-04	4.17E-04	3.44E-04	2.83E-04
27	4.63E-03	1.84E-03	1.41E-03	8.50E-04	6.80E-04	5.67E-04	4.63E-04	3.83E-04	3.12E-04	2.54E-04
28	4.38E-03	1.75E-03	1.33E-03	8.00E-04	6.40E-04	5.33E-04	4.38E-04	3.63E-04	2.93E-04	2.38E-04
29	4.12E-03	1.64E-03	1.25E-03	7.50E-04	6.00E-04	5.00E-04	4.12E-04	3.44E-04	2.83E-04	2.30E-04
30	3.83E-03	1.50E-03	1.15E-03	7.00E-04	5.60E-04	4.63E-04	3.83E-04	3.12E-04	2.54E-04	2.07E-04
31	3.50E-03	1.41E-03	1.07E-03	6.50E-04	5.21E-04	4.30E-04	3.50E-04	2.83E-04	2.30E-04	1.90E-04
32	3.12E-03	1.29E-03	1.00E-03	6.00E-04	4.86E-04	4.00E-04	3.12E-04	2.54E-04	2.07E-04	1.70E-04
33	2.71E-03	1.15E-03	9.20E-04	5.50E-04	4.50E-04	3.63E-04	2.71E-04	2.25E-04	1.84E-04	1.50E-04
34	2.47E-03	1.07E-03	8.58E-04	5.00E-04	4.12E-04	3.33E-04	2.47E-04	2.00E-04	1.64E-04	1.33E-04
35	2.25E-03	1.00E-03	8.00E-04	4.50E-04	3.75E-04	3.00E-04	2.25E-04	1.84E-04	1.50E-04	1.25E-04
36	2.08E-03	9.20E-04	7.50E-04	4.12E-04	3.44E-04	2.71E-04	2.08E-04	1.75E-04	1.45E-04	1.17E-04
37	1.97E-03	8.58E-04	7.08E-04	3.75E-04	3.12E-04	2.47E-04	1.97E-04	1.64E-04	1.33E-04	1.07E-04
38	1.84E-03	8.15E-04	6.67E-04	3.44E-04	2.83E-04	2.25E-04	1.84E-04	1.50E-04	1.25E-04	1.00E-04
39	1.75E-03	7.71E-04	6.30E-04	3.12E-04	2.54E-04	2.00E-04	1.75E-04	1.45E-04	1.17E-04	9.50E-05
40	1.64E-03	7.20E-04	5.93E-04	2.83E-04	2.25E-04	1.84E-04	1.64E-04	1.33E-04	1.07E-04	8.75E-05
41	1.58E-03	6.80E-04	5.53E-04	2.54E-04	2.00E-04	1.64E-04	1.58E-04	1.29E-04	1.04E-04	8.33E-05
42	1.50E-03	6.30E-04	5.21E-04	2.25E-04	1.84E-04	1.50E-04	1.50E-04	1.25E-04	1.00E-04	7.98E-05
43	1.41E-03	5.83E-04	4.86E-04	2.00E-04	1.64E-04	1.41E-04	1.41E-04	1.15E-04	9.44E-05	7.60E-05
44	1.33E-03	5.33E-04	4.50E-04	1.84E-04	1.50E-04	1.29E-04	1.29E-04	1.07E-04	8.75E-05	7.00E-05
45	1.25E-03	4.86E-04	4.12E-04	1.64E-04	1.41E-04	1.15E-04	1.15E-04	9.44E-05	7.60E-05	6.12E-05
46	1.15E-03	4.38E-04	3.75E-04	1.45E-04	1.29E-04	1.07E-04	1.07E-04	8.75E-05	7.00E-05	5.67E-05
47	1.07E-03	4.00E-04	3.44E-04	1.33E-04	1.15E-04	1.00E-04	1.00E-04	8.33E-05	6.80E-05	5.44E-05
48	1.00E-03	3.63E-04	3.12E-04	1.25E-04	1.07E-04	9.20E-05	9.20E-05	7.50E-05	6.25E-05	5.00E-05
49	9.20E-04	3.33E-04	2.83E-04	1.15E-04	1.00E-04	8.58E-05	8.58E-05	7.08E-05	5.83E-05	4.86E-05
50	8.58E-04	3.00E-04	2.54E-04	1.07E-04	9.20E-05	7.98E-05	7.98E-05	6.58E-05	5.44E-05	4.50E-05

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E. I. HATCH NUCLEAR PLANT

Georgia Power 

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APPENDIX A VERIFICATION TABLES

VERIFICATION TABLE

STACK LEVEL RELEASE
STABILITY CLASS E
FUMIGATION

MILLIREM/HOUR PER CURIE/SEC OF IODINE GASES RELEASED

DOWNWIND DISTANCE FROM PLANT

UPPER WIND SPEED (MPH)	1 MI	2 MI	3 MI	4 MI	5 MI	6 MI	7 MI	8 MI	9 MI	10 MI
1	4.31E-01	2.31E-01	1.62E-01	1.24E-01	1.01E-01	8.57E-02	7.46E-02	6.61E-02	5.94E-02	5.40E-02
2	2.15E-01	1.16E-01	8.01E-02	6.19E-02	5.05E-02	4.29E-02	3.72E-02	3.31E-02	2.97E-02	2.70E-02
3	1.44E-01	7.71E-02	5.34E-02	4.12E-02	3.37E-02	2.86E-02	2.49E-02	2.20E-02	1.98E-02	1.80E-02
4	1.09E-01	5.78E-02	4.01E-02	3.09E-02	2.53E-02	2.14E-02	1.86E-02	1.65E-02	1.49E-02	1.35E-02
5	8.68E-02	4.62E-02	3.21E-02	2.47E-02	2.02E-02	1.71E-02	1.49E-02	1.32E-02	1.19E-02	1.08E-02
6	7.21E-02	3.85E-02	2.67E-02	2.04E-02	1.68E-02	1.43E-02	1.24E-02	1.10E-02	9.91E-03	9.01E-03
7	6.10E-02	3.20E-02	2.29E-02	1.77E-02	1.44E-02	1.22E-02	1.07E-02	9.44E-03	8.49E-03	7.72E-03
8	5.40E-02	2.87E-02	2.00E-02	1.55E-02	1.26E-02	1.07E-02	9.32E-03	8.26E-03	7.43E-03	6.75E-03
9	4.89E-02	2.57E-02	1.77E-02	1.37E-02	1.12E-02	9.52E-03	8.29E-03	7.34E-03	6.60E-03	6.02E-03
10	4.39E-02	2.31E-02	1.62E-02	1.24E-02	1.01E-02	8.57E-03	7.46E-03	6.61E-03	5.94E-03	5.40E-03
11	3.92E-02	2.10E-02	1.46E-02	1.12E-02	9.19E-03	7.79E-03	6.78E-03	6.01E-03	5.40E-03	4.91E-03
12	3.62E-02	1.92E-02	1.34E-02	1.03E-02	8.42E-03	7.14E-03	6.21E-03	5.51E-03	4.95E-03	4.52E-03
13	3.32E-02	1.75E-02	1.23E-02	9.51E-03	7.77E-03	6.59E-03	5.74E-03	5.08E-03	4.57E-03	4.16E-03
14	3.02E-02	1.60E-02	1.14E-02	8.87E-03	7.22E-03	6.12E-03	5.33E-03	4.72E-03	4.25E-03	3.84E-03
15	2.80E-02	1.54E-02	1.07E-02	8.24E-03	6.74E-03	5.71E-03	4.97E-03	4.41E-03	3.96E-03	3.60E-03
16	2.57E-02	1.44E-02	1.02E-02	7.73E-03	6.33E-03	5.36E-03	4.66E-03	4.13E-03	3.71E-03	3.38E-03
17	2.34E-02	1.31E-02	9.42E-03	7.07E-03	5.84E-03	5.04E-03	4.39E-03	3.90E-03	3.52E-03	3.19E-03
18	2.12E-02	1.20E-02	8.70E-03	6.57E-03	5.51E-03	4.76E-03	4.14E-03	3.67E-03	3.32E-03	3.02E-03
19	1.90E-02	1.09E-02	8.04E-03	6.01E-03	5.03E-03	4.31E-03	3.79E-03	3.36E-03	3.03E-03	2.74E-03
20	1.68E-02	1.00E-02	7.31E-03	5.38E-03	4.50E-03	3.82E-03	3.32E-03	2.92E-03	2.62E-03	2.36E-03
21	1.46E-02	9.25E-03	6.58E-03	4.85E-03	4.06E-03	3.42E-03	2.95E-03	2.58E-03	2.31E-03	2.08E-03
22	1.24E-02	8.52E-03	5.91E-03	4.38E-03	3.68E-03	3.08E-03	2.64E-03	2.31E-03	2.07E-03	1.86E-03
23	1.02E-02	7.79E-03	5.24E-03	3.91E-03	3.21E-03	2.65E-03	2.24E-03	1.94E-03	1.73E-03	1.55E-03
24	9.00E-03	7.06E-03	4.71E-03	3.51E-03	2.91E-03	2.39E-03	2.01E-03	1.74E-03	1.56E-03	1.40E-03
25	8.00E-03	6.25E-03	4.16E-03	3.11E-03	2.51E-03	2.03E-03	1.69E-03	1.45E-03	1.28E-03	1.14E-03
26	7.20E-03	5.62E-03	3.74E-03	2.81E-03	2.21E-03	1.77E-03	1.47E-03	1.26E-03	1.10E-03	9.80E-04
27	6.40E-03	5.00E-03	3.33E-03	2.51E-03	2.01E-03	1.61E-03	1.34E-03	1.16E-03	1.02E-03	9.00E-04
28	5.60E-03	4.40E-03	2.91E-03	2.21E-03	1.71E-03	1.36E-03	1.12E-03	9.60E-04	8.40E-04	7.40E-04
29	4.80E-03	3.80E-03	2.51E-03	1.91E-03	1.51E-03	1.21E-03	1.00E-03	8.60E-04	7.60E-04	6.80E-04
30	4.00E-03	3.20E-03	2.11E-03	1.61E-03	1.21E-03	9.60E-04	8.00E-04	6.90E-04	6.10E-04	5.40E-04
31	3.20E-03	2.60E-03	1.71E-03	1.31E-03	1.01E-03	8.10E-04	6.80E-04	5.90E-04	5.20E-04	4.60E-04
32	2.40E-03	1.90E-03	1.21E-03	9.60E-04	7.60E-04	6.10E-04	5.10E-04	4.40E-04	3.90E-04	3.40E-04
33	1.60E-03	1.30E-03	8.60E-04	6.40E-04	5.20E-04	4.20E-04	3.50E-04	3.00E-04	2.60E-04	2.30E-04
34	1.20E-03	9.60E-04	6.40E-04	4.80E-04	3.90E-04	3.20E-04	2.60E-04	2.20E-04	1.90E-04	1.70E-04
35	1.00E-03	8.00E-04	5.30E-04	4.00E-04	3.20E-04	2.60E-04	2.10E-04	1.80E-04	1.60E-04	1.40E-04
36	8.00E-04	6.40E-04	4.20E-04	3.20E-04	2.50E-04	2.00E-04	1.60E-04	1.40E-04	1.20E-04	1.00E-04
37	6.40E-04	5.10E-04	3.40E-04	2.60E-04	2.00E-04	1.60E-04	1.30E-04	1.10E-04	9.60E-05	8.40E-05
38	5.60E-04	4.50E-04	3.00E-04	2.30E-04	1.80E-04	1.40E-04	1.10E-04	9.40E-05	8.20E-05	7.20E-05
39	4.80E-04	3.80E-04	2.50E-04	1.90E-04	1.50E-04	1.20E-04	1.00E-04	8.60E-05	7.60E-05	6.80E-05
40	4.00E-04	3.20E-04	2.10E-04	1.60E-04	1.20E-04	9.60E-05	8.00E-05	6.90E-05	6.10E-05	5.40E-05
41	3.20E-04	2.60E-04	1.70E-04	1.30E-04	1.00E-04	8.10E-05	6.80E-05	5.90E-05	5.20E-05	4.60E-05
42	2.40E-04	1.90E-04	1.20E-04	9.60E-05	7.60E-05	6.10E-05	5.10E-05	4.40E-05	3.90E-05	3.40E-05
43	1.60E-04	1.30E-04	8.60E-05	6.40E-05	5.20E-05	4.20E-05	3.50E-05	3.00E-05	2.60E-05	2.30E-05
44	1.20E-04	9.60E-05	6.40E-05	4.80E-05	3.90E-05	3.20E-05	2.60E-05	2.20E-05	1.90E-05	1.70E-05
45	1.00E-04	8.00E-05	5.30E-05	4.00E-05	3.20E-05	2.60E-05	2.10E-05	1.80E-05	1.60E-05	1.40E-05
46	8.00E-05	6.40E-05	4.20E-05	3.20E-05	2.50E-05	2.00E-05	1.60E-05	1.40E-05	1.20E-05	1.00E-05
47	6.40E-05	5.10E-05	3.40E-05	2.60E-05	2.00E-05	1.60E-05	1.30E-05	1.10E-05	9.60E-06	8.40E-06
48	5.60E-05	4.50E-05	3.00E-05	2.30E-05	1.80E-05	1.40E-05	1.10E-05	9.40E-06	8.20E-06	7.20E-06
49	4.80E-05	3.80E-05	2.50E-05	1.90E-05	1.50E-05	1.20E-05	1.00E-05	8.60E-06	7.60E-06	6.80E-06
50	4.00E-05	3.20E-05	2.10E-05	1.60E-05	1.20E-05	9.60E-06	8.00E-06	6.90E-06	6.10E-06	5.40E-06

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APPENDIX A VERIFICATION TABLES

VERIFICATION TABLE

STACK LEVEL RELEASE
STABILITY CLASS F
FURNIGATION

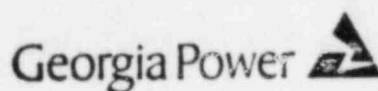
MILLIREM/HOUR PER CURIE/SEC OF NUCLEONIDES RELEASED

DOWNWIND DISTANCE FROM PLANT

WIND DIRECTION (DEG)	1 MI	2 MI	3 MI	4 MI	5 MI	6 MI	7 MI	8 MI	9 MI	10 MI
1	6.25E-01	3.12E-01	2.08E-01	1.56E-01	1.41E-01	1.24E-01	1.09E-01	9.55E-02	8.21E-02	7.07E-02
2	3.12E-01	1.56E-01	1.04E-01	8.75E-02	7.71E-02	6.78E-02	5.94E-02	5.19E-02	4.53E-02	3.95E-02
3	2.08E-01	1.04E-01	6.91E-02	5.81E-02	5.19E-02	4.53E-02	3.95E-02	3.41E-02	2.91E-02	2.50E-02
4	1.56E-01	8.75E-02	5.81E-02	4.49E-02	3.95E-02	3.41E-02	2.91E-02	2.50E-02	2.11E-02	1.79E-02
5	1.41E-01	8.75E-02	5.81E-02	4.49E-02	3.95E-02	3.41E-02	2.91E-02	2.50E-02	2.11E-02	1.79E-02
6	1.24E-01	8.75E-02	5.81E-02	4.49E-02	3.95E-02	3.41E-02	2.91E-02	2.50E-02	2.11E-02	1.79E-02
7	1.09E-01	8.75E-02	5.81E-02	4.49E-02	3.95E-02	3.41E-02	2.91E-02	2.50E-02	2.11E-02	1.79E-02
8	9.55E-02	8.75E-02	5.81E-02	4.49E-02	3.95E-02	3.41E-02	2.91E-02	2.50E-02	2.11E-02	1.79E-02
9	8.21E-02	8.75E-02	5.81E-02	4.49E-02	3.95E-02	3.41E-02	2.91E-02	2.50E-02	2.11E-02	1.79E-02
10	7.07E-02	8.75E-02	5.81E-02	4.49E-02	3.95E-02	3.41E-02	2.91E-02	2.50E-02	2.11E-02	1.79E-02
11	6.25E-02	8.75E-02	5.81E-02	4.49E-02	3.95E-02	3.41E-02	2.91E-02	2.50E-02	2.11E-02	1.79E-02
12	5.43E-02	8.75E-02	5.81E-02	4.49E-02	3.95E-02	3.41E-02	2.91E-02	2.50E-02	2.11E-02	1.79E-02
13	4.79E-02	8.75E-02	5.81E-02	4.49E-02	3.95E-02	3.41E-02	2.91E-02	2.50E-02	2.11E-02	1.79E-02
14	4.25E-02	8.75E-02	5.81E-02	4.49E-02	3.95E-02	3.41E-02	2.91E-02	2.50E-02	2.11E-02	1.79E-02
15	3.71E-02	8.75E-02	5.81E-02	4.49E-02	3.95E-02	3.41E-02	2.91E-02	2.50E-02	2.11E-02	1.79E-02
16	3.17E-02	8.75E-02	5.81E-02	4.49E-02	3.95E-02	3.41E-02	2.91E-02	2.50E-02	2.11E-02	1.79E-02
17	2.63E-02	8.75E-02	5.81E-02	4.49E-02	3.95E-02	3.41E-02	2.91E-02	2.50E-02	2.11E-02	1.79E-02
18	2.09E-02	8.75E-02	5.81E-02	4.49E-02	3.95E-02	3.41E-02	2.91E-02	2.50E-02	2.11E-02	1.79E-02
19	1.55E-02	8.75E-02	5.81E-02	4.49E-02	3.95E-02	3.41E-02	2.91E-02	2.50E-02	2.11E-02	1.79E-02
20	1.01E-02	8.75E-02	5.81E-02	4.49E-02	3.95E-02	3.41E-02	2.91E-02	2.50E-02	2.11E-02	1.79E-02
21	9.55E-03	8.75E-02	5.81E-02	4.49E-02	3.95E-02	3.41E-02	2.91E-02	2.50E-02	2.11E-02	1.79E-02
22	8.21E-03	8.75E-02	5.81E-02	4.49E-02	3.95E-02	3.41E-02	2.91E-02	2.50E-02	2.11E-02	1.79E-02
23	7.07E-03	8.75E-02	5.81E-02	4.49E-02	3.95E-02	3.41E-02	2.91E-02	2.50E-02	2.11E-02	1.79E-02
24	6.25E-03	8.75E-02	5.81E-02	4.49E-02	3.95E-02	3.41E-02	2.91E-02	2.50E-02	2.11E-02	1.79E-02
25	5.43E-03	8.75E-02	5.81E-02	4.49E-02	3.95E-02	3.41E-02	2.91E-02	2.50E-02	2.11E-02	1.79E-02
26	4.79E-03	8.75E-02	5.81E-02	4.49E-02	3.95E-02	3.41E-02	2.91E-02	2.50E-02	2.11E-02	1.79E-02
27	4.25E-03	8.75E-02	5.81E-02	4.49E-02	3.95E-02	3.41E-02	2.91E-02	2.50E-02	2.11E-02	1.79E-02
28	3.71E-03	8.75E-02	5.81E-02	4.49E-02	3.95E-02	3.41E-02	2.91E-02	2.50E-02	2.11E-02	1.79E-02
29	3.17E-03	8.75E-02	5.81E-02	4.49E-02	3.95E-02	3.41E-02	2.91E-02	2.50E-02	2.11E-02	1.79E-02
30	2.63E-03	8.75E-02	5.81E-02	4.49E-02	3.95E-02	3.41E-02	2.91E-02	2.50E-02	2.11E-02	1.79E-02
31	2.09E-03	8.75E-02	5.81E-02	4.49E-02	3.95E-02	3.41E-02	2.91E-02	2.50E-02	2.11E-02	1.79E-02
32	1.55E-03	8.75E-02	5.81E-02	4.49E-02	3.95E-02	3.41E-02	2.91E-02	2.50E-02	2.11E-02	1.79E-02
33	1.01E-03	8.75E-02	5.81E-02	4.49E-02	3.95E-02	3.41E-02	2.91E-02	2.50E-02	2.11E-02	1.79E-02
34	9.55E-04	8.75E-02	5.81E-02	4.49E-02	3.95E-02	3.41E-02	2.91E-02	2.50E-02	2.11E-02	1.79E-02
35	8.21E-04	8.75E-02	5.81E-02	4.49E-02	3.95E-02	3.41E-02	2.91E-02	2.50E-02	2.11E-02	1.79E-02
36	7.07E-04	8.75E-02	5.81E-02	4.49E-02	3.95E-02	3.41E-02	2.91E-02	2.50E-02	2.11E-02	1.79E-02
37	6.25E-04	8.75E-02	5.81E-02	4.49E-02	3.95E-02	3.41E-02	2.91E-02	2.50E-02	2.11E-02	1.79E-02
38	5.43E-04	8.75E-02	5.81E-02	4.49E-02	3.95E-02	3.41E-02	2.91E-02	2.50E-02	2.11E-02	1.79E-02
39	4.79E-04	8.75E-02	5.81E-02	4.49E-02	3.95E-02	3.41E-02	2.91E-02	2.50E-02	2.11E-02	1.79E-02
40	4.25E-04	8.75E-02	5.81E-02	4.49E-02	3.95E-02	3.41E-02	2.91E-02	2.50E-02	2.11E-02	1.79E-02
41	3.71E-04	8.75E-02	5.81E-02	4.49E-02	3.95E-02	3.41E-02	2.91E-02	2.50E-02	2.11E-02	1.79E-02
42	3.17E-04	8.75E-02	5.81E-02	4.49E-02	3.95E-02	3.41E-02	2.91E-02	2.50E-02	2.11E-02	1.79E-02
43	2.63E-04	8.75E-02	5.81E-02	4.49E-02	3.95E-02	3.41E-02	2.91E-02	2.50E-02	2.11E-02	1.79E-02
44	2.09E-04	8.75E-02	5.81E-02	4.49E-02	3.95E-02	3.41E-02	2.91E-02	2.50E-02	2.11E-02	1.79E-02
45	1.55E-04	8.75E-02	5.81E-02	4.49E-02	3.95E-02	3.41E-02	2.91E-02	2.50E-02	2.11E-02	1.79E-02
46	1.01E-04	8.75E-02	5.81E-02	4.49E-02	3.95E-02	3.41E-02	2.91E-02	2.50E-02	2.11E-02	1.79E-02
47	9.55E-05	8.75E-02	5.81E-02	4.49E-02	3.95E-02	3.41E-02	2.91E-02	2.50E-02	2.11E-02	1.79E-02
48	8.21E-05	8.75E-02	5.81E-02	4.49E-02	3.95E-02	3.41E-02	2.91E-02	2.50E-02	2.11E-02	1.79E-02
49	7.07E-05	8.75E-02	5.81E-02	4.49E-02	3.95E-02	3.41E-02	2.91E-02	2.50E-02	2.11E-02	1.79E-02
50	6.25E-05	8.75E-02	5.81E-02	4.49E-02	3.95E-02	3.41E-02	2.91E-02	2.50E-02	2.11E-02	1.79E-02

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APPENDIX A VERIFICATION TABLES

VERIFICATION TABLE

STACK LEVEL RELEASE
STABILITY CLASS A

NO FURNITURE


MBLLIEN/HOUR PER CURIE/SEC OF IODINE RELEASED

DOWNDISTANCE FROM PLANT

UPPER WIND SPEED (MPH)	1 MI	2 MI	3 MI	4 MI	5 MI	6 MI	7 MI	8 MI	9 MI	10 MI
1	3.34E-23	1.79E-23	1.24E-23	9.62E-24	9.62E-24	9.62E-24	9.62E-24	9.62E-24	9.62E-24	9.62E-24
2	1.67E-23	8.94E-24	6.20E-24	4.81E-24	4.81E-24	4.81E-24	4.81E-24	4.81E-24	4.81E-24	4.81E-24
3	1.11E-23	5.96E-24	4.13E-24	3.21E-24	3.21E-24	3.21E-24	3.21E-24	3.21E-24	3.21E-24	3.21E-24
4	8.35E-24	4.47E-24	3.10E-24	2.41E-24	2.41E-24	2.41E-24	2.41E-24	2.41E-24	2.41E-24	2.41E-24
5	6.45E-24	3.57E-24	2.43E-24	1.92E-24	1.92E-24	1.92E-24	1.92E-24	1.92E-24	1.92E-24	1.92E-24
6	5.57E-24	2.95E-24	2.07E-24	1.63E-24	1.63E-24	1.63E-24	1.63E-24	1.63E-24	1.63E-24	1.63E-24
7	4.77E-24	2.55E-24	1.77E-24	1.37E-24	1.37E-24	1.37E-24	1.37E-24	1.37E-24	1.37E-24	1.37E-24
8	4.10E-24	2.23E-24	1.55E-24	1.20E-24	1.20E-24	1.20E-24	1.20E-24	1.20E-24	1.20E-24	1.20E-24
9	3.71E-24	1.99E-24	1.39E-24	1.07E-24	1.07E-24	1.07E-24	1.07E-24	1.07E-24	1.07E-24	1.07E-24
10	3.34E-24	1.79E-24	1.24E-24	9.62E-25	9.62E-25	9.62E-25	9.62E-25	9.62E-25	9.62E-25	9.62E-25
11	3.04E-24	1.62E-24	1.13E-24	8.75E-25	8.75E-25	8.75E-25	8.75E-25	8.75E-25	8.75E-25	8.75E-25
12	2.79E-24	1.49E-24	1.03E-24	8.02E-25	8.02E-25	8.02E-25	8.02E-25	8.02E-25	8.02E-25	8.02E-25
13	2.57E-24	1.37E-24	9.53E-25	7.42E-25	7.42E-25	7.42E-25	7.42E-25	7.42E-25	7.42E-25	7.42E-25
14	2.37E-24	1.26E-24	8.95E-25	6.87E-25	6.87E-25	6.87E-25	6.87E-25	6.87E-25	6.87E-25	6.87E-25
15	2.20E-24	1.19E-24	8.26E-25	6.41E-25	6.41E-25	6.41E-25	6.41E-25	6.41E-25	6.41E-25	6.41E-25
16	2.07E-24	1.13E-24	7.75E-25	6.01E-25	6.01E-25	6.01E-25	6.01E-25	6.01E-25	6.01E-25	6.01E-25
17	1.97E-24	1.08E-24	7.29E-25	5.66E-25	5.66E-25	5.66E-25	5.66E-25	5.66E-25	5.66E-25	5.66E-25
18	1.89E-24	9.93E-25	6.95E-25	5.34E-25	5.34E-25	5.34E-25	5.34E-25	5.34E-25	5.34E-25	5.34E-25
19	1.78E-24	9.41E-25	6.52E-25	5.06E-25	5.06E-25	5.06E-25	5.06E-25	5.06E-25	5.06E-25	5.06E-25
20	1.67E-24	8.94E-25	6.20E-25	4.81E-25	4.81E-25	4.81E-25	4.81E-25	4.81E-25	4.81E-25	4.81E-25
21	1.59E-24	8.51E-25	5.92E-25	4.59E-25	4.59E-25	4.59E-25	4.59E-25	4.59E-25	4.59E-25	4.59E-25
22	1.52E-24	8.12E-25	5.63E-25	4.37E-25	4.37E-25	4.37E-25	4.37E-25	4.37E-25	4.37E-25	4.37E-25
23	1.45E-24	7.77E-25	5.39E-25	4.18E-25	4.18E-25	4.18E-25	4.18E-25	4.18E-25	4.18E-25	4.18E-25
24	1.39E-24	7.45E-25	5.16E-25	4.01E-25	4.01E-25	4.01E-25	4.01E-25	4.01E-25	4.01E-25	4.01E-25
25	1.34E-24	7.15E-25	4.94E-25	3.85E-25	3.85E-25	3.85E-25	3.85E-25	3.85E-25	3.85E-25	3.85E-25
26	1.29E-24	6.87E-25	4.77E-25	3.70E-25	3.70E-25	3.70E-25	3.70E-25	3.70E-25	3.70E-25	3.70E-25
27	1.24E-24	6.62E-25	4.59E-25	3.56E-25	3.56E-25	3.56E-25	3.56E-25	3.56E-25	3.56E-25	3.56E-25
28	1.19E-24	6.38E-25	4.43E-25	3.44E-25	3.44E-25	3.44E-25	3.44E-25	3.44E-25	3.44E-25	3.44E-25
29	1.15E-24	6.16E-25	4.27E-25	3.32E-25	3.32E-25	3.32E-25	3.32E-25	3.32E-25	3.32E-25	3.32E-25
30	1.11E-24	5.95E-25	4.13E-25	3.21E-25	3.21E-25	3.21E-25	3.21E-25	3.21E-25	3.21E-25	3.21E-25
31	1.08E-24	5.77E-25	4.02E-25	3.10E-25	3.10E-25	3.10E-25	3.10E-25	3.10E-25	3.10E-25	3.10E-25
32	1.04E-24	5.59E-25	3.87E-25	3.01E-25	3.01E-25	3.01E-25	3.01E-25	3.01E-25	3.01E-25	3.01E-25
33	1.01E-24	5.42E-25	3.76E-25	2.92E-25	2.92E-25	2.92E-25	2.92E-25	2.92E-25	2.92E-25	2.92E-25
34	9.83E-25	5.26E-25	3.64E-25	2.83E-25	2.83E-25	2.83E-25	2.83E-25	2.83E-25	2.83E-25	2.83E-25
35	9.55E-25	5.11E-25	3.54E-25	2.75E-25	2.75E-25	2.75E-25	2.75E-25	2.75E-25	2.75E-25	2.75E-25
36	9.28E-25	4.94E-25	3.44E-25	2.67E-25	2.67E-25	2.67E-25	2.67E-25	2.67E-25	2.67E-25	2.67E-25
37	9.03E-25	4.83E-25	3.35E-25	2.60E-25	2.60E-25	2.60E-25	2.60E-25	2.60E-25	2.60E-25	2.60E-25
38	8.79E-25	4.73E-25	3.26E-25	2.53E-25	2.53E-25	2.53E-25	2.53E-25	2.53E-25	2.53E-25	2.53E-25
39	8.57E-25	4.63E-25	3.18E-25	2.47E-25	2.47E-25	2.47E-25	2.47E-25	2.47E-25	2.47E-25	2.47E-25
40	8.35E-25	4.55E-25	3.10E-25	2.41E-25	2.41E-25	2.41E-25	2.41E-25	2.41E-25	2.41E-25	2.41E-25
41	8.15E-25	4.46E-25	3.02E-25	2.35E-25	2.35E-25	2.35E-25	2.35E-25	2.35E-25	2.35E-25	2.35E-25
42	7.95E-25	4.38E-25	2.95E-25	2.29E-25	2.29E-25	2.29E-25	2.29E-25	2.29E-25	2.29E-25	2.29E-25
43	7.77E-25	4.31E-25	2.89E-25	2.24E-25	2.24E-25	2.24E-25	2.24E-25	2.24E-25	2.24E-25	2.24E-25
44	7.62E-25	4.24E-25	2.83E-25	2.19E-25	2.19E-25	2.19E-25	2.19E-25	2.19E-25	2.19E-25	2.19E-25
45	7.47E-25	4.17E-25	2.78E-25	2.14E-25	2.14E-25	2.14E-25	2.14E-25	2.14E-25	2.14E-25	2.14E-25
46	7.32E-25	4.10E-25	2.73E-25	2.09E-25	2.09E-25	2.09E-25	2.09E-25	2.09E-25	2.09E-25	2.09E-25
47	7.18E-25	4.03E-25	2.68E-25	2.05E-25	2.05E-25	2.05E-25	2.05E-25	2.05E-25	2.05E-25	2.05E-25
48	7.04E-25	3.97E-25	2.63E-25	2.00E-25	2.00E-25	2.00E-25	2.00E-25	2.00E-25	2.00E-25	2.00E-25
49	6.90E-25	3.91E-25	2.58E-25	1.96E-25	1.96E-25	1.96E-25	1.96E-25	1.96E-25	1.96E-25	1.96E-25
50	6.76E-25	3.85E-25	2.53E-25	1.92E-25	1.92E-25	1.92E-25	1.92E-25	1.92E-25	1.92E-25	1.92E-25

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VERIFICATION TABLE

STACK LEVEL RELEASE
STABILITY CLASS 3
NO FURNITURE

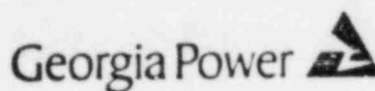
MILLIREM/HOUR PER CURIE/SEC OF IODINE RELEASED

DOWNDRAFT DISTANCE FROM PLANT

UPPER NTD STEEPS (MP-1)	1 MI	2 MI	3 MI	4 MI	5 MI	6 MI	7 MI	8 MI	9 MI	10 MI
1	1.94E+24	5.82E+23	2.65E+23	1.51E+23	1.04E+23	9.62E+22	9.62E+22	9.62E+22	9.62E+22	9.62E+22
2	9.81E+23	2.91E+23	1.32E+23	7.56E+22	5.19E+22	4.81E+22	4.81E+22	4.81E+22	4.81E+22	4.81E+22
3	6.59E+23	1.94E+23	8.67E+22	5.24E+22	3.46E+22	3.21E+22	3.21E+22	3.21E+22	3.21E+22	3.21E+22
4	4.91E+23	1.45E+23	6.55E+22	3.79E+22	2.63E+22	2.41E+22	2.41E+22	2.41E+22	2.41E+22	2.41E+22
5	3.92E+23	1.16E+23	5.32E+22	3.23E+22	2.39E+22	1.92E+22	1.92E+22	1.92E+22	1.92E+22	1.92E+22
6	3.27E+23	9.72E+22	4.44E+22	2.52E+22	1.77E+22	1.62E+22	1.62E+22	1.62E+22	1.62E+22	1.62E+22
7	2.81E+23	8.21E+22	3.82E+22	2.16E+22	1.43E+22	1.37E+22	1.37E+22	1.37E+22	1.37E+22	1.37E+22
8	2.45E+23	7.37E+22	3.32E+22	1.87E+22	1.32E+22	1.26E+22	1.26E+22	1.26E+22	1.26E+22	1.26E+22
9	2.16E+23	6.46E+22	2.94E+22	1.62E+22	1.15E+22	1.07E+22	1.07E+22	1.07E+22	1.07E+22	1.07E+22
10	1.95E+23	5.82E+22	2.66E+22	1.51E+22	1.04E+22	9.62E+21	9.62E+21	9.62E+21	9.62E+21	9.62E+21
11	1.77E+23	5.25E+22	2.42E+22	1.37E+22	9.44E+21	8.75E+21	8.75E+21	8.75E+21	8.75E+21	8.75E+21
12	1.64E+23	4.82E+22	2.22E+22	1.25E+22	8.94E+21	8.32E+21	8.32E+21	8.32E+21	8.32E+21	8.32E+21
13	1.51E+23	4.46E+22	2.05E+22	1.14E+22	7.99E+21	7.42E+21	7.42E+21	7.42E+21	7.42E+21	7.42E+21
14	1.42E+23	4.16E+22	1.92E+22	1.05E+22	7.42E+21	6.87E+21	6.87E+21	6.87E+21	6.87E+21	6.87E+21
15	1.31E+23	3.89E+22	1.77E+22	1.01E+22	6.73E+21	6.41E+21	6.41E+21	6.41E+21	6.41E+21	6.41E+21
16	1.22E+23	3.64E+22	1.65E+22	9.45E+21	6.49E+21	6.31E+21	6.31E+21	6.31E+21	6.31E+21	6.31E+21
17	1.16E+23	3.42E+22	1.57E+22	8.85E+21	6.11E+21	5.88E+21	5.88E+21	5.88E+21	5.88E+21	5.88E+21
18	1.07E+23	3.12E+22	1.42E+22	8.49E+21	5.77E+21	5.34E+21	5.34E+21	5.34E+21	5.34E+21	5.34E+21
19	1.02E+23	3.12E+22	1.42E+22	7.92E+21	5.47E+21	5.26E+21	5.26E+21	5.26E+21	5.26E+21	5.26E+21
20	9.32E+22	2.91E+22	1.32E+22	7.56E+21	5.17E+21	4.91E+21	4.91E+21	4.91E+21	4.91E+21	4.91E+21
21	9.25E+22	2.77E+22	1.27E+22	7.22E+21	4.95E+21	4.59E+21	4.59E+21	4.59E+21	4.59E+21	4.59E+21
22	8.73E+22	2.64E+22	1.21E+22	6.87E+21	4.72E+21	4.37E+21	4.37E+21	4.37E+21	4.37E+21	4.37E+21
23	8.54E+22	2.52E+22	1.16E+22	6.57E+21	4.52E+21	4.18E+21	4.18E+21	4.18E+21	4.18E+21	4.18E+21
24	8.12E+22	2.42E+22	1.11E+22	6.32E+21	4.32E+21	4.01E+21	4.01E+21	4.01E+21	4.01E+21	4.01E+21
25	7.83E+22	2.32E+22	1.05E+22	6.05E+21	4.12E+21	3.82E+21	3.82E+21	3.82E+21	3.82E+21	3.82E+21
26	7.55E+22	2.24E+22	1.02E+22	5.81E+21	4.02E+21	3.73E+21	3.73E+21	3.73E+21	3.73E+21	3.73E+21
27	7.27E+22	2.16E+22	9.86E+21	5.62E+21	3.82E+21	3.56E+21	3.56E+21	3.56E+21	3.56E+21	3.56E+21
28	7.01E+22	2.08E+22	9.51E+21	5.48E+21	3.71E+21	3.44E+21	3.44E+21	3.44E+21	3.44E+21	3.44E+21
29	6.77E+22	2.01E+22	9.19E+21	5.21E+21	3.59E+21	3.32E+21	3.32E+21	3.32E+21	3.32E+21	3.32E+21
30	6.55E+22	1.94E+22	8.87E+21	5.04E+21	3.46E+21	3.21E+21	3.21E+21	3.21E+21	3.21E+21	3.21E+21
31	6.33E+22	1.88E+22	8.59E+21	4.89E+21	3.32E+21	3.10E+21	3.10E+21	3.10E+21	3.10E+21	3.10E+21
32	6.14E+22	1.82E+22	8.32E+21	4.72E+21	3.25E+21	3.01E+21	3.01E+21	3.01E+21	3.01E+21	3.01E+21
33	5.97E+22	1.76E+22	8.06E+21	4.55E+21	3.15E+21	2.92E+21	2.92E+21	2.92E+21	2.92E+21	2.92E+21
34	5.79E+22	1.71E+22	7.83E+21	4.45E+21	3.05E+21	2.83E+21	2.83E+21	2.83E+21	2.83E+21	2.83E+21
35	5.61E+22	1.66E+22	7.62E+21	4.32E+21	2.97E+21	2.75E+21	2.75E+21	2.75E+21	2.75E+21	2.75E+21
36	5.45E+22	1.62E+22	7.37E+21	4.22E+21	2.89E+21	2.67E+21	2.67E+21	2.67E+21	2.67E+21	2.67E+21
37	5.31E+22	1.57E+22	7.19E+21	4.08E+21	2.81E+21	2.62E+21	2.62E+21	2.62E+21	2.62E+21	2.62E+21
38	5.17E+22	1.53E+22	7.22E+21	3.95E+21	2.73E+21	2.53E+21	2.53E+21	2.53E+21	2.53E+21	2.53E+21
39	5.03E+22	1.49E+22	6.82E+21	3.88E+21	2.66E+21	2.47E+21	2.47E+21	2.47E+21	2.47E+21	2.47E+21
40	4.91E+22	1.45E+22	6.61E+21	3.75E+21	2.63E+21	2.41E+21	2.41E+21	2.41E+21	2.41E+21	2.41E+21
41	4.79E+22	1.42E+22	6.49E+21	3.67E+21	2.59E+21	2.35E+21	2.35E+21	2.35E+21	2.35E+21	2.35E+21
42	4.68E+22	1.39E+22	6.34E+21	3.52E+21	2.47E+21	2.29E+21	2.29E+21	2.29E+21	2.29E+21	2.29E+21
43	4.57E+22	1.35E+22	6.19E+21	3.51E+21	2.45E+21	2.24E+21	2.24E+21	2.24E+21	2.24E+21	2.24E+21
44	4.46E+22	1.32E+22	6.05E+21	3.44E+21	2.35E+21	2.19E+21	2.19E+21	2.19E+21	2.19E+21	2.19E+21
45	4.36E+22	1.29E+22	5.91E+21	3.34E+21	2.31E+21	2.14E+21	2.14E+21	2.14E+21	2.14E+21	2.14E+21
46	4.27E+22	1.26E+22	5.77E+21	3.29E+21	2.26E+21	2.07E+21	2.07E+21	2.07E+21	2.07E+21	2.07E+21
47	4.18E+22	1.24E+22	5.66E+21	3.22E+21	2.21E+21	2.02E+21	2.02E+21	2.02E+21	2.02E+21	2.02E+21
48	4.09E+22	1.22E+22	5.54E+21	3.15E+21	2.16E+21	2.02E+21	2.02E+21	2.02E+21	2.02E+21	2.02E+21
49	4.01E+22	1.19E+22	5.43E+21	3.05E+21	2.12E+21	1.96E+21	1.96E+21	1.96E+21	1.96E+21	1.96E+21
50	3.93E+22	1.16E+22	5.32E+21	3.02E+21	2.09E+21	1.92E+21	1.92E+21	1.92E+21	1.92E+21	1.92E+21

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APPENDIX A VERIFICATION TABLES

VERIFICATION TABLE										
STACK LEVEL RELEASE STABILITY CLASS C NO FUMIGATION										
MILLIMETER/HOUR PER CURIE/SEC OF IODINE RELEASED										
DOWNWIND DISTANCE FROM PLANT										
UPPER WIND SPEED (MPH)	1 MI	2 MI	3 MI	4 MI	5 MI	6 MI	7 MI	8 MI	9 MI	10 MI
1	2.96E-24	1.25E-24	6.67E-25	4.10E-25	2.75E-25	2.01E-25	1.53E-25	1.20E-25	1.17E-25	1.86E-25
2	1.40E-24	6.40E-25	3.35E-25	2.05E-25	1.37E-25	1.01E-25	7.65E-26	6.45E-26	5.84E-26	9.31E-26
3	9.67E-25	4.27E-25	2.23E-25	1.37E-25	9.26E-26	6.71E-26	5.12E-26	4.32E-26	3.57E-26	5.54E-26
4	7.40E-25	3.20E-25	1.67E-25	1.03E-25	6.75E-26	5.03E-26	3.83E-26	3.24E-26	2.71E-26	4.16E-26
5	5.92E-25	2.56E-25	1.34E-25	8.20E-26	5.56E-26	4.02E-26	3.04E-26	2.55E-26	2.13E-26	3.23E-26
6	4.93E-25	2.13E-25	1.10E-25	6.83E-26	4.57E-26	3.35E-26	2.55E-26	2.13E-26	1.95E-26	2.97E-26
7	4.20E-25	1.80E-25	9.56E-26	5.66E-26	3.77E-26	2.80E-26	2.19E-26	1.85E-26	1.67E-26	2.52E-26
8	3.70E-25	1.52E-25	8.36E-26	5.13E-26	3.47E-26	2.53E-26	1.91E-26	1.62E-26	1.45E-26	2.19E-26
9	3.27E-25	1.40E-25	7.43E-26	4.55E-26	3.07E-26	2.24E-26	1.70E-26	1.44E-26	1.30E-26	1.95E-26
10	2.91E-25	1.25E-25	6.67E-26	4.10E-26	2.75E-26	2.01E-26	1.53E-26	1.20E-26	1.17E-26	1.76E-26
11	2.67E-25	1.15E-25	6.00E-26	3.72E-26	2.50E-26	1.83E-26	1.39E-26	1.16E-26	1.04E-26	1.56E-26
12	2.47E-25	1.07E-25	5.50E-26	3.42E-26	2.32E-26	1.68E-26	1.25E-26	1.02E-26	9.73E-26	1.42E-26
13	2.28E-25	9.75E-26	5.15E-26	3.15E-26	2.14E-26	1.55E-26	1.12E-26	9.27E-26	8.79E-26	1.27E-26
14	2.11E-25	9.15E-26	4.79E-26	2.92E-26	1.93E-26	1.44E-26	1.07E-26	8.79E-26	8.34E-26	1.17E-26
15	1.97E-25	8.54E-26	4.46E-26	2.70E-26	1.80E-26	1.34E-26	1.02E-26	8.44E-26	7.70E-26	1.09E-26
16	1.85E-25	8.00E-26	4.10E-26	2.56E-26	1.74E-26	1.29E-26	9.57E-26	8.10E-26	7.37E-26	1.04E-26
17	1.74E-25	7.50E-26	3.94E-26	2.41E-26	1.60E-26	1.16E-26	9.31E-26	7.83E-26	6.97E-26	9.85E-26
18	1.64E-25	7.11E-26	3.72E-26	2.28E-26	1.54E-26	1.12E-26	8.53E-26	7.20E-26	6.47E-26	9.17E-26
19	1.54E-25	6.74E-26	3.52E-26	2.16E-26	1.46E-26	1.06E-26	8.03E-26	6.81E-26	6.14E-26	8.67E-26
20	1.46E-25	6.40E-26	3.35E-26	2.05E-26	1.37E-26	1.01E-26	7.65E-26	6.45E-26	5.84E-26	8.31E-26
21	1.41E-25	6.10E-26	3.19E-26	1.95E-26	1.32E-26	9.59E-26	7.29E-26	6.17E-26	5.52E-26	7.85E-26
22	1.35E-25	5.82E-26	3.04E-26	1.86E-26	1.26E-26	9.15E-26	6.96E-26	5.89E-26	5.25E-26	7.47E-26
23	1.29E-25	5.57E-26	2.91E-26	1.78E-26	1.21E-26	8.76E-26	6.66E-26	5.64E-26	5.00E-26	7.09E-26
24	1.23E-25	5.34E-26	2.77E-26	1.71E-26	1.16E-26	8.37E-26	6.33E-26	5.43E-26	4.86E-26	6.83E-26
25	1.18E-25	5.12E-26	2.65E-26	1.64E-26	1.11E-26	8.00E-26	6.11E-26	5.19E-26	4.67E-26	6.59E-26
26	1.14E-25	4.93E-26	2.57E-26	1.58E-26	1.07E-26	7.75E-26	5.87E-26	4.99E-26	4.49E-26	6.37E-26
27	1.10E-25	4.74E-26	2.48E-26	1.52E-26	1.03E-26	7.46E-26	5.67E-26	4.80E-26	4.32E-26	6.09E-26
28	1.06E-25	4.57E-26	2.39E-26	1.46E-26	9.92E-26	7.19E-26	5.47E-26	4.62E-26	4.17E-26	5.82E-26
29	1.02E-25	4.42E-26	2.31E-26	1.41E-26	9.55E-26	6.94E-26	5.29E-26	4.47E-26	4.03E-26	5.62E-26
30	9.87E-26	4.27E-26	2.23E-26	1.37E-26	9.26E-26	6.71E-26	5.12E-26	4.32E-26	3.77E-26	5.42E-26
31	9.55E-26	4.13E-26	2.16E-26	1.32E-26	8.95E-26	6.52E-26	4.94E-26	4.15E-26	3.71E-26	5.23E-26
32	9.25E-26	4.00E-26	2.09E-26	1.28E-26	8.65E-26	6.29E-26	4.78E-26	4.00E-26	3.56E-26	5.05E-26
33	8.97E-26	3.88E-26	2.03E-26	1.24E-26	8.42E-26	6.10E-26	4.64E-26	3.92E-26	3.48E-26	4.87E-26
34	8.71E-26	3.77E-26	1.97E-26	1.21E-26	8.17E-26	5.92E-26	4.50E-26	3.81E-26	3.43E-26	4.70E-26
35	8.46E-26	3.66E-26	1.91E-26	1.17E-26	7.94E-26	5.75E-26	4.37E-26	3.70E-26	3.34E-26	4.54E-26
36	8.22E-26	3.56E-26	1.86E-26	1.14E-26	7.72E-26	5.59E-26	4.25E-26	3.60E-26	3.24E-26	4.39E-26
37	8.00E-26	3.46E-26	1.81E-26	1.11E-26	7.51E-26	5.44E-26	4.14E-26	3.52E-26	3.16E-26	4.25E-26
38	7.77E-26	3.37E-26	1.76E-26	1.08E-26	7.31E-26	5.30E-26	4.03E-26	3.41E-26	3.07E-26	4.12E-26
39	7.56E-26	3.28E-26	1.72E-26	1.05E-26	7.12E-26	5.16E-26	3.93E-26	3.32E-26	2.99E-26	3.99E-26
40	7.45E-26	3.20E-26	1.67E-26	1.03E-26	6.95E-26	5.03E-26	3.83E-26	3.24E-26	2.92E-26	3.86E-26
41	7.23E-26	3.12E-26	1.63E-26	1.00E-26	6.79E-26	4.91E-26	3.73E-26	3.16E-26	2.85E-26	3.75E-26
42	7.03E-26	3.05E-26	1.59E-26	9.75E-26	6.62E-26	4.79E-26	3.64E-26	3.07E-26	2.77E-26	3.63E-26
43	6.83E-26	2.98E-26	1.56E-26	9.54E-26	6.46E-26	4.68E-26	3.56E-26	2.99E-26	2.70E-26	3.52E-26
44	6.73E-26	2.91E-26	1.53E-26	9.32E-26	6.32E-26	4.58E-26	3.48E-26	2.93E-26	2.65E-26	3.42E-26
45	6.55E-26	2.85E-26	1.49E-26	9.11E-26	6.17E-26	4.48E-26	3.40E-26	2.86E-26	2.57E-26	3.32E-26
46	6.44E-26	2.78E-26	1.47E-26	8.91E-26	6.04E-26	4.38E-26	3.32E-26	2.80E-26	2.54E-26	3.23E-26
47	6.30E-26	2.72E-26	1.42E-26	8.72E-26	5.91E-26	4.29E-26	3.26E-26	2.76E-26	2.48E-26	3.14E-26
48	6.17E-26	2.67E-26	1.37E-26	8.54E-26	5.79E-26	4.20E-26	3.19E-26	2.70E-26	2.43E-26	3.05E-26
49	6.04E-26	2.61E-26	1.37E-26	8.37E-26	5.67E-26	4.11E-26	3.12E-26	2.65E-26	2.38E-26	2.97E-26
50	5.92E-26	2.56E-26	1.34E-26	8.20E-26	5.56E-26	4.03E-26	3.05E-26	2.59E-26	2.34E-26	2.89E-26

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APPENDIX A VERIFICATION TABLES

VERIFICATION TABLE

STACK LEVEL RELEASE
STABILITY CLASS 3
NO FUMIGATION

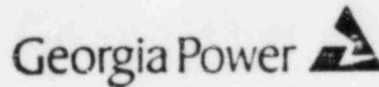
MILLIREM/HOUR PER CURIE/SEC OF IODINE RELEASED

DOWNWIND DISTANCE FROM PLANT

WIND SPEED (MPH)	1 MI	2 MI	3 MI	4 MI	5 MI	6 MI	7 MI	8 MI	9 MI	10 MI
1	6.51E-03	1.42E-04	1.30E-04	1.18E-04	9.87E-05	8.33E-05	7.11E-05	6.15E-05	5.37E-05	4.75E-05
2	2.27E-03	7.21E-05	6.91E-05	5.93E-05	4.94E-05	4.17E-05	3.54E-05	3.07E-05	2.67E-05	2.37E-05
3	1.51E-03	4.87E-05	4.61E-05	3.97E-05	3.32E-05	2.79E-05	2.37E-05	2.05E-05	1.79E-05	1.58E-05
4	1.13E-03	3.31E-05	3.15E-05	2.75E-05	2.47E-05	2.03E-05	1.70E-05	1.54E-05	1.34E-05	1.19E-05
5	9.25E-04	2.65E-05	2.52E-05	2.24E-05	1.97E-05	1.67E-05	1.42E-05	1.23E-05	1.07E-05	9.49E-06
6	7.56E-04	2.24E-05	2.13E-05	1.97E-05	1.65E-05	1.37E-05	1.19E-05	1.02E-05	8.75E-06	7.91E-06
7	6.48E-04	2.01E-05	1.97E-05	1.87E-05	1.61E-05	1.37E-05	1.21E-05	1.05E-05	9.05E-06	8.15E-06
8	5.67E-04	1.77E-05	1.73E-05	1.63E-05	1.44E-05	1.24E-05	1.09E-05	9.57E-06	8.27E-06	7.47E-06
9	5.04E-04	1.58E-05	1.54E-05	1.41E-05	1.23E-05	1.06E-05	9.26E-06	7.95E-06	6.83E-06	5.97E-06
10	4.54E-04	1.42E-05	1.38E-05	1.25E-05	1.08E-05	9.33E-06	7.91E-06	6.75E-06	5.77E-06	5.07E-06
11	4.13E-04	1.27E-05	1.23E-05	1.10E-05	9.47E-06	8.05E-06	6.87E-06	5.89E-06	5.07E-06	4.31E-06
12	3.78E-04	1.17E-05	1.13E-05	1.00E-05	8.44E-06	7.24E-06	6.15E-06	5.12E-06	4.38E-06	3.69E-06
13	3.47E-04	1.10E-05	1.06E-05	9.35E-06	7.87E-06	6.71E-06	5.67E-06	4.73E-06	4.03E-06	3.39E-06
14	3.21E-04	1.02E-05	9.87E-06	8.43E-06	7.25E-06	6.15E-06	5.08E-06	4.30E-06	3.65E-06	3.07E-06
15	3.03E-04	9.55E-06	9.21E-06	7.87E-06	6.59E-06	5.56E-06	4.74E-06	4.02E-06	3.38E-06	2.97E-06
16	2.84E-04	8.75E-06	8.41E-06	7.05E-06	5.82E-06	4.90E-06	4.15E-06	3.46E-06	2.91E-06	2.47E-06
17	2.67E-04	8.01E-06	7.67E-06	6.31E-06	5.22E-06	4.38E-06	3.65E-06	3.01E-06	2.50E-06	2.12E-06
18	2.53E-04	7.47E-06	7.13E-06	5.66E-06	4.69E-06	3.92E-06	3.25E-06	2.65E-06	2.18E-06	1.85E-06
19	2.39E-04	7.00E-06	6.66E-06	5.20E-06	4.25E-06	3.52E-06	2.89E-06	2.33E-06	1.90E-06	1.61E-06
20	2.27E-04	6.61E-06	6.27E-06	4.71E-06	3.78E-06	3.09E-06	2.50E-06	2.00E-06	1.61E-06	1.36E-06
21	2.16E-04	6.22E-06	5.88E-06	4.32E-06	3.40E-06	2.74E-06	2.19E-06	1.73E-06	1.38E-06	1.17E-06
22	2.06E-04	5.87E-06	5.53E-06	3.97E-06	3.06E-06	2.43E-06	1.92E-06	1.50E-06	1.19E-06	1.01E-06
23	1.97E-04	5.52E-06	5.18E-06	3.62E-06	2.71E-06	2.12E-06	1.64E-06	1.26E-06	1.00E-06	8.47E-07
24	1.87E-04	5.18E-06	4.84E-06	3.28E-06	2.37E-06	1.81E-06	1.37E-06	1.03E-06	8.15E-07	6.91E-07
25	1.78E-04	4.84E-06	4.50E-06	2.94E-06	2.03E-06	1.49E-06	1.09E-06	8.05E-07	6.47E-07	5.53E-07
26	1.70E-04	4.50E-06	4.16E-06	2.54E-06	1.63E-06	1.12E-06	8.27E-07	6.15E-07	4.97E-07	4.27E-07
27	1.62E-04	4.16E-06	3.82E-06	2.14E-06	1.23E-06	8.37E-07	6.05E-07	4.57E-07	3.73E-07	3.19E-07
28	1.54E-04	3.82E-06	3.48E-06	1.74E-06	1.03E-06	6.57E-07	4.75E-07	3.57E-07	2.93E-07	2.53E-07
29	1.46E-04	3.48E-06	3.14E-06	1.44E-06	8.37E-07	5.37E-07	3.97E-07	3.03E-07	2.53E-07	2.19E-07
30	1.38E-04	3.14E-06	2.80E-06	1.14E-06	7.37E-07	4.37E-07	3.17E-07	2.43E-07	2.03E-07	1.75E-07
31	1.30E-04	2.80E-06	2.46E-06	9.47E-07	6.37E-07	3.37E-07	2.37E-07	1.83E-07	1.53E-07	1.31E-07
32	1.22E-04	2.46E-06	2.12E-06	7.47E-07	5.37E-07	2.37E-07	1.67E-07	1.27E-07	1.07E-07	9.17E-08
33	1.14E-04	2.12E-06	1.78E-06	5.47E-07	4.37E-07	1.37E-07	9.77E-08	7.37E-08	6.17E-08	5.37E-08
34	1.06E-04	1.78E-06	1.44E-06	3.47E-07	2.37E-07	9.77E-08	6.77E-08	5.17E-08	4.37E-08	3.77E-08
35	1.00E-04	1.44E-06	1.10E-06	2.47E-07	1.37E-07	5.77E-08	4.17E-08	3.17E-08	2.67E-08	2.27E-08
36	9.47E-05	1.10E-06	8.07E-07	1.47E-07	8.77E-08	3.77E-08	2.67E-08	2.07E-08	1.77E-08	1.57E-08
37	8.97E-05	8.07E-07	5.17E-07	8.77E-08	6.77E-08	2.77E-08	1.97E-08	1.47E-08	1.27E-08	1.07E-08
38	8.47E-05	5.17E-07	3.17E-07	5.77E-08	4.77E-08	1.77E-08	1.27E-08	9.77E-09	8.77E-09	7.77E-09
39	7.97E-05	3.17E-07	1.17E-07	3.77E-08	2.77E-08	1.17E-08	8.77E-09	6.77E-09	5.77E-09	4.77E-09
40	7.47E-05	1.17E-07	5.77E-08	1.17E-08	8.77E-09	3.77E-09	2.67E-09	2.07E-09	1.77E-09	1.57E-09
41	6.97E-05	5.77E-08	2.77E-08	5.77E-09	4.77E-09	1.77E-09	1.27E-09	9.77E-10	8.77E-10	7.77E-10
42	6.47E-05	2.77E-08	1.17E-08	2.77E-09	1.77E-09	7.77E-10	5.77E-10	4.77E-10	4.17E-10	3.77E-10
43	5.97E-05	1.17E-08	5.77E-09	1.17E-09	8.77E-10	3.77E-10	2.67E-10	2.07E-10	1.77E-10	1.57E-10
44	5.47E-05	5.77E-09	2.77E-09	5.77E-10	4.77E-10	1.77E-10	1.27E-10	9.77E-11	8.77E-11	7.77E-11
45	4.97E-05	2.77E-09	1.17E-09	2.77E-10	1.77E-10	7.77E-11	5.77E-11	4.77E-11	4.17E-11	3.77E-11
46	4.47E-05	1.17E-09	5.77E-10	1.17E-10	8.77E-11	3.77E-11	2.67E-11	2.07E-11	1.77E-11	1.57E-11
47	3.97E-05	5.77E-10	2.77E-10	5.77E-11	4.77E-11	1.77E-11	1.27E-11	9.77E-12	8.77E-12	7.77E-12
48	3.47E-05	2.77E-10	1.17E-10	2.77E-11	1.77E-11	7.77E-12	5.77E-12	4.77E-12	4.17E-12	3.77E-12
49	2.97E-05	1.17E-10	5.77E-11	1.17E-11	8.77E-12	3.77E-12	2.67E-12	2.07E-12	1.77E-12	1.57E-12
50	2.47E-05	5.77E-11	2.77E-11	5.77E-12	4.77E-12	1.77E-12	1.27E-12	9.77E-13	8.77E-13	7.77E-13
51	1.97E-05	2.77E-11	1.17E-11	2.77E-12	1.77E-12	7.77E-13	5.77E-13	4.77E-13	4.17E-13	3.77E-13

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APPENDIX A VERIFICATION TABLES

VERIFICATION TABLE

STACK LEVEL RELEASE
STABILITY CLASS E
NO FUMIGATION

MILLIEMPHOUR PER CURIE/SEC OF IODINE RELEASED

DOWNDOWN DISTANCE FROM PLANT

WIND
SPEED
(MPH)

	1 MI	2 MI	3 MI	4 MI	5 MI	6 MI	7 MI	8 MI	9 MI	10 MI
1	1.30E-02	4.22E-03	7.57E-03	8.94E-03	9.16E-03	8.92E-03	8.47E-03	7.96E-03	7.46E-03	6.92E-03
2	4.51E-01	2.81E-03	3.78E-03	4.47E-03	4.59E-03	4.45E-03	4.23E-03	3.99E-03	3.73E-03	3.47E-03
3	4.34E-01	1.34E-03	2.52E-03	2.98E-03	3.24E-03	2.77E-03	2.55E-03	2.45E-03	2.49E-03	2.33E-03
4	3.25E-01	1.00E-03	1.87E-03	2.24E-03	2.39E-03	2.23E-03	2.10E-03	1.97E-03	1.86E-03	1.75E-03
5	2.61E-01	8.04E-04	1.51E-03	1.77E-03	1.84E-03	1.73E-03	1.67E-03	1.59E-03	1.49E-03	1.42E-03
6	2.17E-01	6.70E-04	1.23E-03	1.47E-03	1.53E-03	1.49E-03	1.41E-03	1.33E-03	1.24E-03	1.16E-03
7	1.86E-01	5.74E-04	1.02E-03	1.22E-03	1.31E-03	1.27E-03	1.21E-03	1.14E-03	1.07E-03	9.97E-04
8	1.63E-01	5.03E-04	9.46E-04	1.12E-03	1.15E-03	1.11E-03	1.06E-03	9.95E-04	9.32E-04	8.70E-04
9	1.45E-01	4.47E-04	8.41E-04	9.94E-04	1.02E-03	9.91E-04	9.41E-04	8.85E-04	8.27E-04	7.70E-04
10	1.30E-01	4.02E-04	7.57E-04	8.94E-04	9.16E-04	8.92E-04	8.47E-04	7.96E-04	7.46E-04	6.92E-04
11	1.18E-01	3.65E-04	6.89E-04	8.13E-04	8.34E-04	8.10E-04	7.70E-04	7.24E-04	6.78E-04	6.33E-04
12	1.07E-01	3.28E-04	6.31E-04	7.45E-04	7.65E-04	7.41E-04	7.03E-04	6.63E-04	6.22E-04	5.83E-04
13	1.02E-01	3.07E-04	5.82E-04	6.86E-04	7.06E-04	6.82E-04	6.51E-04	6.12E-04	5.74E-04	5.37E-04
14	9.21E-02	2.87E-04	5.41E-04	6.37E-04	6.55E-04	6.37E-04	6.05E-04	5.69E-04	5.33E-04	4.97E-04
15	8.47E-02	2.68E-04	5.05E-04	5.96E-04	6.12E-04	5.94E-04	5.64E-04	5.31E-04	4.97E-04	4.65E-04
16	8.14E-02	2.51E-04	4.73E-04	5.59E-04	5.73E-04	5.57E-04	5.29E-04	4.93E-04	4.61E-04	4.30E-04
17	7.66E-02	2.36E-04	4.45E-04	5.26E-04	5.40E-04	5.24E-04	4.98E-04	4.62E-04	4.30E-04	4.01E-04
18	7.23E-02	2.23E-04	4.20E-04	4.97E-04	5.10E-04	4.95E-04	4.70E-04	4.42E-04	4.14E-04	3.88E-04
19	6.86E-02	2.12E-04	3.98E-04	4.71E-04	4.83E-04	4.69E-04	4.46E-04	4.19E-04	3.93E-04	3.67E-04
20	6.51E-02	2.01E-04	3.78E-04	4.47E-04	4.59E-04	4.46E-04	4.23E-04	3.98E-04	3.73E-04	3.47E-04
21	6.20E-02	1.91E-04	3.60E-04	4.26E-04	4.37E-04	4.25E-04	4.02E-04	3.79E-04	3.55E-04	3.32E-04
22	5.93E-02	1.82E-04	3.44E-04	4.07E-04	4.17E-04	4.05E-04	3.83E-04	3.61E-04	3.39E-04	3.17E-04
23	5.68E-02	1.75E-04	3.29E-04	3.89E-04	3.99E-04	3.88E-04	3.66E-04	3.46E-04	3.24E-04	3.03E-04
24	5.45E-02	1.67E-04	3.15E-04	3.73E-04	3.82E-04	3.72E-04	3.50E-04	3.32E-04	3.11E-04	2.91E-04
25	5.24E-02	1.61E-04	3.03E-04	3.58E-04	3.67E-04	3.57E-04	3.37E-04	3.18E-04	2.99E-04	2.79E-04
26	5.05E-02	1.55E-04	2.91E-04	3.44E-04	3.53E-04	3.43E-04	3.24E-04	3.05E-04	2.87E-04	2.69E-04
27	4.88E-02	1.49E-04	2.80E-04	3.31E-04	3.40E-04	3.30E-04	3.11E-04	2.93E-04	2.76E-04	2.59E-04
28	4.73E-02	1.44E-04	2.70E-04	3.19E-04	3.28E-04	3.18E-04	3.00E-04	2.84E-04	2.68E-04	2.52E-04
29	4.59E-02	1.39E-04	2.61E-04	3.09E-04	3.18E-04	3.08E-04	2.90E-04	2.75E-04	2.59E-04	2.43E-04
30	4.46E-02	1.34E-04	2.52E-04	2.99E-04	3.08E-04	2.97E-04	2.80E-04	2.65E-04	2.49E-04	2.33E-04
31	4.34E-02	1.30E-04	2.44E-04	2.89E-04	2.98E-04	2.88E-04	2.71E-04	2.57E-04	2.41E-04	2.25E-04
32	4.23E-02	1.26E-04	2.37E-04	2.79E-04	2.87E-04	2.77E-04	2.60E-04	2.46E-04	2.30E-04	2.15E-04
33	4.13E-02	1.22E-04	2.29E-04	2.71E-04	2.79E-04	2.70E-04	2.53E-04	2.40E-04	2.24E-04	2.09E-04
34	4.03E-02	1.18E-04	2.23E-04	2.63E-04	2.72E-04	2.62E-04	2.45E-04	2.34E-04	2.19E-04	2.03E-04
35	3.93E-02	1.15E-04	2.16E-04	2.56E-04	2.65E-04	2.55E-04	2.40E-04	2.27E-04	2.13E-04	1.99E-04
36	3.84E-02	1.12E-04	2.10E-04	2.49E-04	2.58E-04	2.48E-04	2.35E-04	2.21E-04	2.07E-04	1.94E-04
37	3.75E-02	1.09E-04	2.05E-04	2.42E-04	2.50E-04	2.41E-04	2.29E-04	2.15E-04	2.02E-04	1.89E-04
38	3.67E-02	1.06E-04	1.99E-04	2.35E-04	2.43E-04	2.35E-04	2.23E-04	2.10E-04	1.96E-04	1.84E-04
39	3.59E-02	1.03E-04	1.94E-04	2.29E-04	2.37E-04	2.29E-04	2.17E-04	2.04E-04	1.91E-04	1.79E-04
40	3.52E-02	1.00E-04	1.89E-04	2.24E-04	2.32E-04	2.23E-04	2.12E-04	1.99E-04	1.86E-04	1.75E-04
41	3.45E-02	9.80E-05	1.85E-04	2.19E-04	2.26E-04	2.17E-04	2.07E-04	1.94E-04	1.81E-04	1.70E-04
42	3.38E-02	9.61E-05	1.80E-04	2.13E-04	2.19E-04	2.12E-04	2.02E-04	1.90E-04	1.78E-04	1.66E-04
43	3.32E-02	9.43E-05	1.76E-04	2.08E-04	2.15E-04	2.07E-04	1.97E-04	1.85E-04	1.73E-04	1.62E-04
44	3.26E-02	9.25E-05	1.72E-04	2.03E-04	2.09E-04	2.03E-04	1.93E-04	1.81E-04	1.70E-04	1.59E-04
45	3.20E-02	9.07E-05	1.68E-04	1.99E-04	2.04E-04	1.99E-04	1.89E-04	1.77E-04	1.66E-04	1.55E-04
46	3.14E-02	8.90E-05	1.64E-04	1.94E-04	1.99E-04	1.94E-04	1.84E-04	1.73E-04	1.62E-04	1.51E-04
47	3.08E-02	8.74E-05	1.61E-04	1.90E-04	1.95E-04	1.90E-04	1.82E-04	1.70E-04	1.59E-04	1.48E-04
48	3.03E-02	8.58E-05	1.58E-04	1.87E-04	1.92E-04	1.87E-04	1.79E-04	1.68E-04	1.57E-04	1.46E-04
49	2.97E-02	8.43E-05	1.55E-04	1.84E-04	1.89E-04	1.84E-04	1.77E-04	1.66E-04	1.55E-04	1.44E-04
50	2.92E-02	8.28E-05	1.51E-04	1.81E-04	1.86E-04	1.81E-04	1.75E-04	1.64E-04	1.53E-04	1.42E-04

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APPENDIX A VERIFICATION TABLES

VERIFICATION TABLE

STACK LEVEL RELEASE
STABILITY CLASS F
NO PURIFICATION

MILLIREM/HOUR PER CURIE/SEC OF IODINE RELEASED


DOWNWIND DISTANCE FROM PLANT

WIND
SPEED
(MPH)

	1 MI	2 MI	3 MI	4 MI	5 MI	6 MI	7 MI	8 MI	9 MI	12 MI
1	6.12E-03	4.92E-01	4.31E-02	1.35E-03	1.74E-03	2.73E-03	2.75E-03	3.22E-03	3.22E-03	3.49E-03
2	3.25E-03	2.46E-01	2.16E-02	5.39E-02	8.78E-02	1.15E-03	1.37E-03	1.54E-03	1.64E-03	1.74E-03
3	2.23E-02	1.64E-01	1.44E-02	3.59E-02	5.80E-02	7.68E-02	9.14E-02	1.03E-02	1.11E-02	1.16E-02
4	1.53E-03	1.03E-01	1.85E-02	2.69E-02	4.35E-02	5.76E-02	6.97E-02	7.70E-02	8.32E-02	8.72E-02
5	1.22E-03	9.83E-02	8.63E-02	2.16E-02	3.48E-02	4.61E-02	5.47E-02	6.16E-02	6.64E-02	6.92E-02
6	1.32E-03	8.19E-02	7.17E-02	1.82E-02	2.92E-02	3.84E-02	4.58E-02	5.13E-02	5.57E-02	5.81E-02
7	6.72E-04	7.22E-02	6.16E-02	1.54E-02	2.49E-02	3.29E-02	3.92E-02	4.42E-02	4.74E-02	4.98E-02
8	7.13E-04	6.14E-02	5.37E-02	1.35E-02	2.18E-02	2.85E-02	3.47E-02	3.93E-02	4.15E-02	4.36E-02
9	6.72E-04	5.46E-02	4.77E-02	1.22E-02	1.93E-02	2.56E-02	3.25E-02	3.42E-02	3.59E-02	3.69E-02
10	6.18E-04	4.92E-02	4.31E-02	1.35E-02	1.74E-02	2.73E-02	2.75E-02	3.22E-02	3.22E-02	3.49E-02
11	5.55E-04	4.47E-02	3.92E-02	9.80E-03	1.58E-02	2.09E-02	2.52E-02	2.82E-02	3.02E-02	3.17E-02
12	5.39E-04	4.18E-02	3.59E-02	8.93E-03	1.45E-02	1.93E-02	2.29E-02	2.57E-02	2.77E-02	2.91E-02
13	4.73E-04	3.75E-02	3.32E-02	8.29E-03	1.34E-02	1.77E-02	2.11E-02	2.37E-02	2.55E-02	2.68E-02
14	4.36E-04	3.51E-02	3.35E-02	7.72E-03	1.24E-02	1.65E-02	1.95E-02	2.22E-02	2.37E-02	2.49E-02
15	4.37E-04	3.33E-02	2.85E-02	7.18E-03	1.16E-02	1.54E-02	1.83E-02	2.05E-02	2.21E-02	2.32E-02
16	3.93E-04	3.37E-02	2.78E-02	6.73E-03	1.09E-02	1.44E-02	1.72E-02	1.92E-02	2.07E-02	2.18E-02
17	3.59E-04	2.89E-02	2.54E-02	6.34E-03	1.02E-02	1.36E-02	1.62E-02	1.81E-02	1.95E-02	2.05E-02
18	3.37E-04	2.73E-02	2.43E-02	5.97E-03	9.57E-03	1.25E-02	1.53E-02	1.71E-02	1.84E-02	1.94E-02
19	3.21E-04	2.59E-02	2.27E-02	5.67E-03	9.16E-03	1.21E-02	1.45E-02	1.62E-02	1.75E-02	1.84E-02
20	3.02E-04	2.46E-02	2.16E-02	5.37E-03	8.78E-03	1.15E-02	1.37E-02	1.54E-02	1.64E-02	1.74E-02
21	2.91E-04	2.34E-02	2.05E-02	5.13E-03	8.29E-03	1.12E-02	1.35E-02	1.47E-02	1.58E-02	1.66E-02
22	2.77E-04	2.23E-02	1.94E-02	4.92E-03	7.91E-03	1.05E-02	1.25E-02	1.42E-02	1.51E-02	1.58E-02
23	2.65E-04	2.14E-02	1.85E-02	4.69E-03	7.57E-03	1.00E-02	1.19E-02	1.34E-02	1.44E-02	1.51E-02
24	2.54E-04	2.05E-02	1.83E-02	4.49E-03	7.25E-03	9.62E-03	1.14E-02	1.28E-02	1.38E-02	1.45E-02
25	2.44E-04	1.97E-02	1.73E-02	4.31E-03	6.96E-03	9.22E-03	1.10E-02	1.23E-02	1.33E-02	1.40E-02
26	2.35E-04	1.87E-02	1.66E-02	4.14E-03	6.69E-03	8.81E-03	1.05E-02	1.18E-02	1.28E-02	1.34E-02
27	2.26E-04	1.80E-02	1.62E-02	3.99E-03	6.45E-03	8.53E-03	1.02E-02	1.14E-02	1.23E-02	1.29E-02
28	2.18E-04	1.76E-02	1.54E-02	3.85E-03	6.21E-03	8.23E-03	9.81E-03	1.10E-02	1.19E-02	1.25E-02
29	2.11E-04	1.69E-02	1.47E-02	3.72E-03	6.02E-03	7.95E-03	9.47E-03	1.06E-02	1.14E-02	1.20E-02
30	2.03E-04	1.64E-02	1.44E-02	3.59E-03	5.82E-03	7.68E-03	9.16E-03	1.03E-02	1.11E-02	1.16E-02
31	1.97E-04	1.59E-02	1.37E-02	3.48E-03	5.61E-03	7.43E-03	8.86E-03	9.93E-03	1.07E-02	1.13E-02
32	1.91E-04	1.54E-02	1.35E-02	3.37E-03	5.44E-03	7.28E-03	8.58E-03	9.62E-03	1.04E-02	1.09E-02
33	1.85E-04	1.49E-02	1.31E-02	3.27E-03	5.27E-03	6.99E-03	8.23E-03	9.23E-03	1.01E-02	1.06E-02
34	1.83E-04	1.45E-02	1.27E-02	3.17E-03	5.12E-03	6.78E-03	8.09E-03	9.05E-03	9.76E-03	1.03E-02
35	1.74E-04	1.40E-02	1.23E-02	3.06E-03	4.97E-03	6.58E-03	7.85E-03	8.79E-03	9.48E-03	9.97E-03
36	1.73E-04	1.37E-02	1.23E-02	2.99E-03	4.83E-03	6.43E-03	7.63E-03	8.55E-03	9.22E-03	9.69E-03
37	1.65E-04	1.32E-02	1.17E-02	2.91E-03	4.72E-03	6.23E-03	7.42E-03	8.32E-03	8.97E-03	9.43E-03
38	1.64E-04	1.29E-02	1.14E-02	2.84E-03	4.59E-03	6.09E-03	7.23E-03	8.18E-03	8.73E-03	9.19E-03
39	1.57E-04	1.25E-02	1.11E-02	2.76E-03	4.46E-03	5.91E-03	7.04E-03	7.97E-03	8.51E-03	8.94E-03
40	1.53E-04	1.22E-02	1.08E-02	2.69E-03	4.33E-03	5.76E-03	6.87E-03	7.78E-03	8.32E-03	8.72E-03
41	1.49E-04	1.20E-02	1.05E-02	2.63E-03	4.24E-03	5.62E-03	6.72E-03	7.51E-03	8.05E-03	8.41E-03
42	1.45E-04	1.17E-02	1.03E-02	2.57E-03	4.14E-03	5.49E-03	6.54E-03	7.33E-03	7.87E-03	8.21E-03
43	1.42E-04	1.14E-02	1.00E-02	2.51E-03	4.05E-03	5.36E-03	6.37E-03	7.16E-03	7.70E-03	8.01E-03
44	1.37E-04	1.12E-02	9.80E-03	2.45E-03	3.95E-03	5.24E-03	6.24E-03	7.03E-03	7.57E-03	7.93E-03
45	1.35E-04	1.09E-02	9.52E-03	2.39E-03	3.87E-03	5.12E-03	6.10E-03	6.89E-03	7.33E-03	7.73E-03
46	1.33E-04	1.07E-02	9.33E-03	2.34E-03	3.79E-03	5.01E-03	5.97E-03	6.76E-03	7.21E-03	7.52E-03
47	1.32E-04	1.05E-02	9.12E-03	2.29E-03	3.72E-03	4.90E-03	5.84E-03	6.55E-03	7.00E-03	7.42E-03
48	1.27E-04	1.02E-02	8.97E-03	2.24E-03	3.63E-03	4.82E-03	5.72E-03	6.41E-03	6.77E-03	7.17E-03
49	1.25E-04	1.00E-02	8.80E-03	2.20E-03	3.55E-03	4.72E-03	5.61E-03	6.29E-03	6.77E-03	7.13E-03
50	1.23E-04	9.82E-03	8.63E-03	2.16E-03	3.47E-03	4.61E-03	5.49E-03	6.16E-03	6.64E-03	6.99E-03

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APPENDIX A VERIFICATION TABLES

VERIFICATION TABLE

STACK LEVEL RELEASE
STABILITY CLASS A
NO FUMIGATION

MILLIREMS/HOUR PER CURIE/SEC OF NOBLE GASES RELEASED

DOWNWIND DISTANCE FROM PLANT

UPPER
WIND
SPEED
(MPH)

	1 MI	2 MI	3 MI	4 MI	5 MI	6 MI	7 MI	8 MI	9 MI	12 MI
1	1.13E-20	6.25E-21	4.36E-21	3.35E-21	3.35E-21	3.35E-21	3.35E-21	3.35E-21	3.35E-21	3.35E-21
2	5.89E-21	3.14E-21	2.18E-21	1.69E-21	1.69E-21	1.69E-21	1.69E-21	1.69E-21	1.69E-21	1.69E-21
3	3.92E-21	2.07E-21	1.45E-21	1.13E-21	1.13E-21	1.13E-21	1.13E-21	1.13E-21	1.13E-21	1.13E-21
4	2.94E-21	1.57E-21	1.07E-21	8.44E-22	8.44E-22	8.44E-22	8.44E-22	8.44E-22	8.44E-22	8.44E-22
5	2.35E-21	1.24E-21	8.71E-22	6.76E-22	6.76E-22	6.76E-22	6.76E-22	6.76E-22	6.76E-22	6.76E-22
6	1.95E-21	1.05E-21	7.25E-22	5.54E-22	5.54E-22	5.54E-22	5.54E-22	5.54E-22	5.54E-22	5.54E-22
7	1.65E-21	8.95E-22	6.22E-22	4.83E-22	4.83E-22	4.83E-22	4.83E-22	4.83E-22	4.83E-22	4.83E-22
8	1.47E-21	7.85E-22	5.45E-22	4.23E-22	4.23E-22	4.23E-22	4.23E-22	4.23E-22	4.23E-22	4.23E-22
9	1.31E-21	6.95E-22	4.84E-22	3.74E-22	3.74E-22	3.74E-22	3.74E-22	3.74E-22	3.74E-22	3.74E-22
10	1.19E-21	6.25E-22	4.36E-22	3.35E-22	3.35E-22	3.35E-22	3.35E-22	3.35E-22	3.35E-22	3.35E-22
11	1.07E-21	5.54E-22	3.94E-22	3.07E-22	3.07E-22	3.07E-22	3.07E-22	3.07E-22	3.07E-22	3.07E-22
12	9.75E-22	5.04E-22	3.63E-22	2.82E-22	2.82E-22	2.82E-22	2.82E-22	2.82E-22	2.82E-22	2.82E-22
13	9.24E-22	4.83E-22	3.35E-22	2.63E-22	2.63E-22	2.63E-22	2.63E-22	2.63E-22	2.63E-22	2.63E-22
14	8.37E-22	4.47E-22	3.11E-22	2.42E-22	2.42E-22	2.42E-22	2.42E-22	2.42E-22	2.42E-22	2.42E-22
15	7.85E-22	4.19E-22	2.92E-22	2.25E-22	2.25E-22	2.25E-22	2.25E-22	2.25E-22	2.25E-22	2.25E-22
16	7.34E-22	3.93E-22	2.72E-22	2.11E-22	2.11E-22	2.11E-22	2.11E-22	2.11E-22	2.11E-22	2.11E-22
17	6.91E-22	3.75E-22	2.54E-22	1.99E-22	1.99E-22	1.99E-22	1.99E-22	1.99E-22	1.99E-22	1.99E-22
18	6.53E-22	3.58E-22	2.42E-22	1.89E-22	1.89E-22	1.89E-22	1.89E-22	1.89E-22	1.89E-22	1.89E-22
19	6.19E-22	3.43E-22	2.29E-22	1.79E-22	1.79E-22	1.79E-22	1.79E-22	1.79E-22	1.79E-22	1.79E-22
20	5.89E-22	3.14E-22	2.18E-22	1.69E-22	1.69E-22	1.69E-22	1.69E-22	1.69E-22	1.69E-22	1.69E-22
21	5.62E-22	2.99E-22	2.07E-22	1.61E-22	1.61E-22	1.61E-22	1.61E-22	1.61E-22	1.61E-22	1.61E-22
22	5.34E-22	2.83E-22	1.95E-22	1.54E-22	1.54E-22	1.54E-22	1.54E-22	1.54E-22	1.54E-22	1.54E-22
23	5.11E-22	2.72E-22	1.87E-22	1.47E-22	1.47E-22	1.47E-22	1.47E-22	1.47E-22	1.47E-22	1.47E-22
24	4.92E-22	2.63E-22	1.82E-22	1.41E-22	1.41E-22	1.41E-22	1.41E-22	1.41E-22	1.41E-22	1.41E-22
25	4.75E-22	2.54E-22	1.74E-22	1.35E-22	1.35E-22	1.35E-22	1.35E-22	1.35E-22	1.35E-22	1.35E-22
26	4.59E-22	2.42E-22	1.68E-22	1.30E-22	1.30E-22	1.30E-22	1.30E-22	1.30E-22	1.30E-22	1.30E-22
27	4.45E-22	2.31E-22	1.61E-22	1.25E-22	1.25E-22	1.25E-22	1.25E-22	1.25E-22	1.25E-22	1.25E-22
28	4.32E-22	2.23E-22	1.56E-22	1.21E-22	1.21E-22	1.21E-22	1.21E-22	1.21E-22	1.21E-22	1.21E-22
29	4.20E-22	2.17E-22	1.52E-22	1.17E-22	1.17E-22	1.17E-22	1.17E-22	1.17E-22	1.17E-22	1.17E-22
30	4.09E-22	2.09E-22	1.45E-22	1.13E-22	1.13E-22	1.13E-22	1.13E-22	1.13E-22	1.13E-22	1.13E-22
31	3.97E-22	2.03E-22	1.41E-22	1.09E-22	1.09E-22	1.09E-22	1.09E-22	1.09E-22	1.09E-22	1.09E-22
32	3.87E-22	1.98E-22	1.36E-22	1.04E-22	1.04E-22	1.04E-22	1.04E-22	1.04E-22	1.04E-22	1.04E-22
33	3.78E-22	1.93E-22	1.32E-22	1.02E-22	1.02E-22	1.02E-22	1.02E-22	1.02E-22	1.02E-22	1.02E-22
34	3.69E-22	1.88E-22	1.28E-22	9.95E-23	9.95E-23	9.95E-23	9.95E-23	9.95E-23	9.95E-23	9.95E-23
35	3.61E-22	1.83E-22	1.24E-22	9.66E-23	9.66E-23	9.66E-23	9.66E-23	9.66E-23	9.66E-23	9.66E-23
36	3.53E-22	1.78E-22	1.21E-22	9.42E-23	9.42E-23	9.42E-23	9.42E-23	9.42E-23	9.42E-23	9.42E-23
37	3.45E-22	1.73E-22	1.18E-22	9.14E-23	9.14E-23	9.14E-23	9.14E-23	9.14E-23	9.14E-23	9.14E-23
38	3.37E-22	1.68E-22	1.15E-22	8.92E-23	8.92E-23	8.92E-23	8.92E-23	8.92E-23	8.92E-23	8.92E-23
39	3.29E-22	1.63E-22	1.12E-22	8.67E-23	8.67E-23	8.67E-23	8.67E-23	8.67E-23	8.67E-23	8.67E-23
40	2.94E-22	1.57E-22	1.07E-22	8.44E-23	8.44E-23	8.44E-23	8.44E-23	8.44E-23	8.44E-23	8.44E-23
41	2.87E-22	1.52E-22	1.04E-22	8.25E-23	8.25E-23	8.25E-23	8.25E-23	8.25E-23	8.25E-23	8.25E-23
42	2.82E-22	1.50E-22	1.04E-22	8.25E-23	8.25E-23	8.25E-23	8.25E-23	8.25E-23	8.25E-23	8.25E-23
43	2.75E-22	1.46E-22	1.01E-22	7.87E-23	7.87E-23	7.87E-23	7.87E-23	7.87E-23	7.87E-23	7.87E-23
44	2.67E-22	1.42E-22	9.92E-23	7.67E-23	7.67E-23	7.67E-23	7.67E-23	7.67E-23	7.67E-23	7.67E-23
45	2.61E-22	1.40E-22	9.80E-23	7.52E-23	7.52E-23	7.52E-23	7.52E-23	7.52E-23	7.52E-23	7.52E-23
46	2.55E-22	1.37E-22	9.67E-23	7.37E-23	7.37E-23	7.37E-23	7.37E-23	7.37E-23	7.37E-23	7.37E-23
47	2.50E-22	1.34E-22	9.52E-23	7.22E-23	7.22E-23	7.22E-23	7.22E-23	7.22E-23	7.22E-23	7.22E-23
48	2.45E-22	1.31E-22	9.38E-23	7.07E-23	7.07E-23	7.07E-23	7.07E-23	7.07E-23	7.07E-23	7.07E-23
49	2.40E-22	1.28E-22	9.25E-23	6.92E-23	6.92E-23	6.92E-23	6.92E-23	6.92E-23	6.92E-23	6.92E-23
50	2.35E-22	1.25E-22	9.12E-23	6.78E-23	6.78E-23	6.78E-23	6.78E-23	6.78E-23	6.78E-23	6.78E-23

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STACK LEVEL RELEASE

STABILITY CLASS 2

NO FRICTION

WILLIAMSBURG PER CURIE/SEC OF NOBLE GASES RELEASED


DOWNWIND DISTANCE FROM PLANT

UPPER
WIND
SPEED
(MPH)

	1 MI	2 MI	3 MI	4 MI	5 MI	6 MI	7 MI	8 MI	9 MI	10 MI
1	6.92E-03	2.07E-03	9.36E-04	5.31E-04	3.45E-04	2.35E-04	1.69E-04	1.19E-04	8.75E-05	6.55E-05
2	3.45E-03	1.03E-03	4.68E-04	2.66E-04	1.81E-04	1.23E-04	8.45E-05	6.15E-05	4.55E-05	3.40E-05
3	2.30E-03	6.80E-04	3.12E-04	1.77E-04	1.22E-04	8.15E-05	5.65E-05	4.15E-05	3.05E-05	2.25E-05
4	1.73E-03	5.11E-04	2.34E-04	1.33E-04	9.15E-05	6.15E-05	4.45E-05	3.25E-05	2.40E-05	1.75E-05
5	1.35E-03	4.00E-04	1.87E-04	1.05E-04	7.30E-05	5.05E-05	3.65E-05	2.70E-05	2.00E-05	1.45E-05
6	1.15E-03	3.41E-04	1.58E-04	8.95E-05	6.05E-05	4.25E-05	3.10E-05	2.25E-05	1.65E-05	1.20E-05
7	9.85E-04	2.90E-04	1.34E-04	7.55E-05	5.20E-05	3.65E-05	2.65E-05	1.95E-05	1.40E-05	1.00E-05
8	8.45E-04	2.50E-04	1.17E-04	6.65E-05	4.55E-05	3.20E-05	2.25E-05	1.65E-05	1.20E-05	8.75E-06
9	7.67E-04	2.27E-04	1.04E-04	5.90E-05	4.05E-05	2.85E-05	2.00E-05	1.45E-05	1.05E-05	7.75E-06
10	6.90E-04	2.05E-04	9.36E-05	5.31E-05	3.45E-05	2.35E-05	1.69E-05	1.19E-05	8.75E-06	6.55E-06
11	6.20E-04	1.85E-04	8.51E-05	4.80E-05	3.20E-05	2.15E-05	1.55E-05	1.10E-05	8.00E-06	5.90E-06
12	5.70E-04	1.72E-04	7.88E-05	4.45E-05	2.95E-05	2.00E-05	1.45E-05	1.05E-05	7.75E-06	5.70E-06
13	5.31E-04	1.57E-04	7.22E-05	4.05E-05	2.70E-05	1.85E-05	1.35E-05	9.75E-06	7.15E-06	5.25E-06
14	4.97E-04	1.45E-04	6.68E-05	3.80E-05	2.50E-05	1.70E-05	1.25E-05	9.00E-06	6.60E-06	4.85E-06
15	4.67E-04	1.35E-04	6.24E-05	3.54E-05	2.35E-05	1.60E-05	1.15E-05	8.35E-06	6.10E-06	4.45E-06
16	4.39E-04	1.26E-04	5.89E-05	3.35E-05	2.20E-05	1.50E-05	1.05E-05	7.65E-06	5.60E-06	4.10E-06
17	4.13E-04	1.18E-04	5.55E-05	3.18E-05	2.10E-05	1.40E-05	1.00E-05	7.25E-06	5.30E-06	3.90E-06
18	3.89E-04	1.10E-04	5.22E-05	2.99E-05	1.95E-05	1.35E-05	9.75E-06	7.05E-06	5.10E-06	3.70E-06
19	3.67E-04	1.02E-04	4.90E-05	2.82E-05	1.85E-05	1.25E-05	9.00E-06	6.55E-06	4.75E-06	3.45E-06
20	3.45E-04	9.50E-05	4.59E-05	2.66E-05	1.75E-05	1.15E-05	8.35E-06	6.05E-06	4.40E-06	3.20E-06
21	3.25E-04	8.75E-05	4.29E-05	2.50E-05	1.65E-05	1.10E-05	7.90E-06	5.75E-06	4.20E-06	3.05E-06
22	3.07E-04	8.00E-05	4.00E-05	2.34E-05	1.55E-05	1.05E-05	7.55E-06	5.45E-06	3.95E-06	2.85E-06
23	2.90E-04	7.25E-05	3.72E-05	2.18E-05	1.45E-05	1.00E-05	7.15E-06	5.15E-06	3.70E-06	2.70E-06
24	2.73E-04	6.50E-05	3.45E-05	2.02E-05	1.35E-05	9.65E-06	6.95E-06	5.00E-06	3.60E-06	2.60E-06
25	2.58E-04	5.75E-05	3.18E-05	1.86E-05	1.25E-05	8.95E-06	6.45E-06	4.65E-06	3.35E-06	2.45E-06
26	2.43E-04	5.00E-05	2.92E-05	1.70E-05	1.15E-05	8.15E-06	5.85E-06	4.25E-06	3.10E-06	2.25E-06
27	2.29E-04	4.25E-05	2.66E-05	1.54E-05	1.05E-05	7.45E-06	5.35E-06	3.85E-06	2.80E-06	2.05E-06
28	2.15E-04	3.50E-05	2.40E-05	1.38E-05	9.55E-06	6.75E-06	4.85E-06	3.50E-06	2.55E-06	1.85E-06
29	2.02E-04	2.75E-05	2.14E-05	1.22E-05	8.65E-06	6.15E-06	4.45E-06	3.20E-06	2.30E-06	1.70E-06
30	1.89E-04	2.00E-05	1.88E-05	1.06E-05	7.75E-06	5.55E-06	4.00E-06	2.90E-06	2.10E-06	1.55E-06
31	1.77E-04	1.25E-05	1.62E-05	9.05E-06	6.85E-06	4.95E-06	3.55E-06	2.55E-06	1.85E-06	1.35E-06
32	1.65E-04	1.00E-05	1.36E-05	7.45E-06	5.65E-06	4.05E-06	2.90E-06	2.10E-06	1.55E-06	1.10E-06
33	1.53E-04	8.25E-06	1.10E-05	6.25E-06	4.75E-06	3.35E-06	2.40E-06	1.70E-06	1.25E-06	9.15E-07
34	1.42E-04	6.50E-06	8.75E-06	5.05E-06	3.85E-06	2.70E-06	1.90E-06	1.35E-06	9.85E-07	7.15E-07
35	1.31E-04	4.75E-06	6.95E-06	3.85E-06	2.95E-06	2.05E-06	1.45E-06	1.05E-06	7.65E-07	5.55E-07
36	1.21E-04	3.00E-06	5.15E-06	2.65E-06	2.05E-06	1.45E-06	1.05E-06	7.65E-07	5.55E-07	4.05E-07
37	1.11E-04	2.25E-06	3.95E-06	1.95E-06	1.55E-06	1.05E-06	7.55E-07	5.45E-07	3.95E-07	2.85E-07
38	1.02E-04	1.50E-06	2.75E-06	1.35E-06	1.05E-06	7.45E-07	5.35E-07	3.85E-07	2.75E-07	2.00E-07
39	9.30E-05	8.25E-07	2.05E-06	9.55E-07	7.15E-07	5.05E-07	3.60E-07	2.60E-07	1.90E-07	1.40E-07
40	8.40E-05	6.50E-07	1.55E-06	7.15E-07	5.35E-07	3.85E-07	2.75E-07	1.95E-07	1.40E-07	1.00E-07
41	7.50E-05	4.75E-07	1.05E-06	5.05E-07	3.75E-07	2.65E-07	1.85E-07	1.30E-07	9.45E-08	6.85E-08
42	6.60E-05	3.00E-07	7.75E-07	3.65E-07	2.65E-07	1.85E-07	1.30E-07	9.45E-08	6.85E-08	5.00E-08
43	5.70E-05	2.25E-07	5.55E-07	2.65E-07	1.95E-07	1.35E-07	9.75E-08	7.05E-08	5.10E-08	3.70E-08
44	4.80E-05	1.50E-07	3.95E-07	1.95E-07	1.45E-07	1.00E-07	7.15E-08	5.15E-08	3.70E-08	2.70E-08
45	3.90E-05	8.25E-08	2.75E-07	1.35E-07	1.05E-07	7.45E-08	5.35E-08	3.85E-08	2.75E-08	2.00E-08
46	3.00E-05	6.50E-08	2.05E-07	1.05E-07	7.75E-08	5.55E-08	4.00E-08	2.90E-08	2.10E-08	1.55E-08
47	2.10E-05	4.75E-08	1.35E-07	7.15E-08	5.35E-08	3.85E-08	2.75E-08	1.95E-08	1.40E-08	1.00E-08
48	1.20E-05	3.00E-08	9.55E-08	5.05E-08	3.75E-08	2.65E-08	1.85E-08	1.30E-08	9.45E-09	6.85E-09
49	9.30E-06	2.25E-08	7.15E-08	3.65E-08	2.65E-08	1.85E-08	1.30E-08	9.45E-09	6.85E-09	5.00E-09
50	6.60E-06	1.50E-08	5.05E-08	2.65E-08	1.95E-08	1.35E-08	9.75E-09	7.05E-09	5.10E-09	3.70E-09

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VERIFICATION TABLE

STACK LEVEL RELEASE

STABILITY CLASS C

NO FUMIGATION

WILL REMAIN PER CURIE/SEC OF NOZZLE GASES RELEASED

DOWNDRAFT DISTANCE FROM PLANT

UPPER WIND SPEED (MPH)	1 MI	2 MI	3 MI	4 MI	5 MI	6 MI	7 MI	8 MI	9 MI	10 MI
1	1.84E-01	4.52E-02	2.35E-02	1.44E-02	9.77E-03	7.22E-03	5.35E-03	4.56E-03	4.12E-03	3.74E-03
2	5.22E-02	2.25E-02	1.18E-02	7.21E-03	4.88E-03	3.54E-03	2.67E-03	2.23E-03	2.05E-03	1.87E-03
3	3.47E-02	1.52E-02	7.84E-03	4.81E-03	3.26E-03	2.36E-03	1.79E-03	1.52E-03	1.37E-03	1.25E-03
4	2.68E-02	1.11E-02	5.88E-03	3.52E-03	2.44E-03	1.77E-03	1.35E-03	1.14E-03	1.03E-03	9.34E-04
5	2.32E-02	9.81E-03	4.71E-03	2.92E-03	1.95E-03	1.42E-03	1.08E-03	9.12E-04	8.21E-04	7.47E-04
6	1.73E-02	7.58E-03	3.92E-03	2.42E-03	1.63E-03	1.18E-03	8.97E-04	7.62E-04	6.84E-04	6.23E-04
7	1.47E-02	6.43E-03	3.32E-03	2.02E-03	1.42E-03	1.01E-03	7.67E-04	6.51E-04	5.86E-04	5.35E-04
8	1.32E-02	5.63E-03	2.94E-03	1.82E-03	1.22E-03	8.85E-04	6.72E-04	5.73E-04	5.13E-04	4.67E-04
9	1.18E-02	5.02E-03	2.61E-03	1.62E-03	1.07E-03	7.87E-04	5.92E-04	5.06E-04	4.56E-04	4.15E-04
10	1.04E-02	4.52E-03	2.35E-03	1.44E-03	9.77E-04	7.22E-04	5.35E-04	4.56E-04	4.12E-04	3.74E-04
11	9.46E-03	4.05E-03	2.14E-03	1.31E-03	8.82E-04	6.44E-04	4.87E-04	4.14E-04	3.72E-04	3.42E-04
12	8.67E-03	3.75E-03	1.96E-03	1.23E-03	8.14E-04	5.93E-04	4.47E-04	3.83E-04	3.42E-04	3.11E-04
13	8.21E-03	3.46E-03	1.81E-03	1.11E-03	7.52E-04	5.45E-04	4.14E-04	3.51E-04	3.16E-04	2.87E-04
14	7.43E-03	3.23E-03	1.68E-03	1.03E-03	6.98E-04	5.21E-04	3.84E-04	3.26E-04	2.93E-04	2.67E-04
15	6.94E-03	3.02E-03	1.57E-03	9.61E-04	6.51E-04	4.72E-04	3.57E-04	3.04E-04	2.74E-04	2.49E-04
16	6.53E-03	2.81E-03	1.47E-03	9.01E-04	6.11E-04	4.43E-04	3.33E-04	2.82E-04	2.57E-04	2.34E-04
17	6.12E-03	2.65E-03	1.39E-03	8.48E-04	5.75E-04	4.16E-04	3.17E-04	2.68E-04	2.41E-04	2.20E-04
18	5.79E-03	2.52E-03	1.31E-03	8.01E-04	5.43E-04	3.93E-04	2.97E-04	2.53E-04	2.29E-04	2.08E-04
19	5.45E-03	2.37E-03	1.24E-03	7.57E-04	5.14E-04	3.73E-04	2.83E-04	2.42E-04	2.18E-04	1.97E-04
20	5.22E-03	2.25E-03	1.18E-03	7.21E-04	4.88E-04	3.54E-04	2.67E-04	2.29E-04	2.05E-04	1.87E-04
21	4.96E-03	2.14E-03	1.12E-03	6.87E-04	4.62E-04	3.37E-04	2.54E-04	2.17E-04	1.95E-04	1.75E-04
22	4.73E-03	2.05E-03	1.07E-03	6.55E-04	4.44E-04	3.22E-04	2.45E-04	2.07E-04	1.87E-04	1.70E-04
23	4.52E-03	1.96E-03	1.02E-03	6.27E-04	4.28E-04	3.08E-04	2.34E-04	1.96E-04	1.78E-04	1.62E-04
24	4.34E-03	1.88E-03	9.82E-04	6.01E-04	4.07E-04	2.93E-04	2.24E-04	1.90E-04	1.71E-04	1.56E-04
25	4.18E-03	1.82E-03	9.41E-04	5.77E-04	3.91E-04	2.83E-04	2.15E-04	1.82E-04	1.64E-04	1.49E-04
26	4.03E-03	1.73E-03	9.05E-04	5.55E-04	3.75E-04	2.72E-04	2.07E-04	1.75E-04	1.58E-04	1.44E-04
27	3.82E-03	1.67E-03	8.71E-04	5.34E-04	3.62E-04	2.62E-04	1.99E-04	1.67E-04	1.52E-04	1.38E-04
28	3.72E-03	1.61E-03	8.42E-04	5.15E-04	3.49E-04	2.53E-04	1.92E-04	1.63E-04	1.47E-04	1.33E-04
29	3.57E-03	1.55E-03	8.11E-04	4.97E-04	3.37E-04	2.44E-04	1.86E-04	1.57E-04	1.42E-04	1.29E-04
30	3.47E-03	1.52E-03	7.84E-04	4.81E-04	3.26E-04	2.36E-04	1.79E-04	1.52E-04	1.37E-04	1.25E-04
31	3.36E-03	1.45E-03	7.59E-04	4.65E-04	3.15E-04	2.29E-04	1.74E-04	1.47E-04	1.32E-04	1.21E-04
32	3.25E-03	1.41E-03	7.35E-04	4.51E-04	3.05E-04	2.21E-04	1.68E-04	1.42E-04	1.28E-04	1.17E-04
33	3.15E-03	1.36E-03	7.12E-04	4.37E-04	2.96E-04	2.15E-04	1.63E-04	1.38E-04	1.24E-04	1.13E-04
34	3.06E-03	1.32E-03	6.92E-04	4.24E-04	2.87E-04	2.09E-04	1.58E-04	1.34E-04	1.21E-04	1.10E-04
35	2.97E-03	1.29E-03	6.72E-04	4.12E-04	2.79E-04	2.02E-04	1.54E-04	1.32E-04	1.17E-04	1.07E-04
36	2.89E-03	1.25E-03	6.53E-04	4.02E-04	2.71E-04	1.97E-04	1.52E-04	1.27E-04	1.14E-04	1.04E-04
37	2.81E-03	1.22E-03	6.36E-04	3.92E-04	2.64E-04	1.91E-04	1.45E-04	1.23E-04	1.11E-04	1.01E-04
38	2.74E-03	1.18E-03	6.17E-04	3.77E-04	2.57E-04	1.86E-04	1.42E-04	1.22E-04	1.09E-04	9.93E-05
39	2.67E-03	1.15E-03	6.03E-04	3.72E-04	2.51E-04	1.82E-04	1.38E-04	1.17E-04	1.05E-04	9.55E-05
40	2.62E-03	1.13E-03	5.89E-04	3.62E-04	2.44E-04	1.77E-04	1.35E-04	1.14E-04	1.02E-04	9.34E-05
41	2.54E-03	1.10E-03	5.74E-04	3.52E-04	2.38E-04	1.73E-04	1.31E-04	1.11E-04	1.00E-04	9.11E-05
42	2.48E-03	1.07E-03	5.62E-04	3.43E-04	2.33E-04	1.67E-04	1.28E-04	1.07E-04	9.77E-05	8.90E-05
43	2.42E-03	1.05E-03	5.47E-04	3.35E-04	2.27E-04	1.63E-04	1.25E-04	1.05E-04	9.55E-05	8.69E-05
44	2.37E-03	1.03E-03	5.35E-04	3.28E-04	2.22E-04	1.61E-04	1.23E-04	1.04E-04	9.35E-05	8.49E-05
45	2.31E-03	1.02E-03	5.23E-04	3.22E-04	2.17E-04	1.57E-04	1.22E-04	1.01E-04	9.12E-05	8.32E-05
46	2.26E-03	9.77E-04	5.11E-04	3.13E-04	2.12E-04	1.54E-04	1.17E-04	9.91E-05	8.92E-05	8.12E-05
47	2.21E-03	9.58E-04	5.01E-04	3.07E-04	2.08E-04	1.51E-04	1.15E-04	9.78E-05	8.73E-05	7.95E-05
48	2.17E-03	9.38E-04	4.92E-04	3.02E-04	2.04E-04	1.48E-04	1.12E-04	9.58E-05	8.55E-05	7.78E-05
49	2.12E-03	9.19E-04	4.82E-04	2.94E-04	1.99E-04	1.44E-04	1.10E-04	9.32E-05	8.32E-05	7.62E-05
50	2.08E-03	9.01E-04	4.71E-04	2.88E-04	1.95E-04	1.42E-04	1.08E-04	9.12E-05	8.21E-05	7.47E-05

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APPENDIX A VERIFICATION TABLES

VERIFICATION TABLE

STACK LEVEL RELEASE
STABILITY CLASS D
NO FUMIGATION

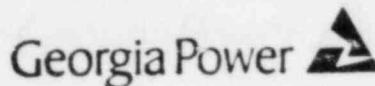
MILLILITERS PER CUBIC FOOT OF NOBLE GASES RELEASED

DOWNWIND DISTANCE FROM PLANT

UPPER WIND SPEED (MPH)	1 MI	2 MI	3 MI	4 MI	5 MI	6 MI	7 MI	8 MI	9 MI	10 MI
1	1.42E-22	4.92E-23	4.82E-23	4.15E-23	3.46E-23	2.92E-23	2.52E-23	2.16E-23	1.89E-23	1.67E-23
2	7.75E-21	2.45E-21	2.42E-21	2.37E-21	1.74E-21	1.47E-21	1.25E-21	1.03E-21	9.45E-22	8.34E-22
3	5.32E-21	1.64E-21	1.62E-21	1.58E-21	1.15E-21	9.77E-22	8.34E-22	7.22E-22	6.32E-22	5.56E-22
4	3.77E-21	1.22E-21	1.21E-21	1.24E-21	8.69E-22	7.33E-22	6.25E-22	5.48E-22	4.72E-22	4.17E-22
5	3.19E-21	9.86E-22	9.72E-22	9.32E-22	6.75E-22	5.86E-22	5.22E-22	4.52E-22	3.79E-22	3.24E-22
6	2.56E-21	8.22E-22	8.12E-22	6.92E-22	5.79E-22	4.82E-22	4.17E-22	3.52E-22	2.79E-22	2.36E-22
7	2.22E-21	7.24E-22	6.94E-22	5.92E-22	4.97E-22	4.19E-22	3.57E-22	2.87E-22	2.72E-22	2.36E-22
8	1.99E-21	6.16E-22	6.27E-22	5.19E-22	4.34E-22	3.65E-22	3.13E-22	2.72E-22	2.35E-22	2.09E-22
9	1.77E-21	5.42E-22	5.42E-22	4.61E-22	3.66E-22	3.26E-22	2.72E-22	2.42E-22	2.12E-22	1.75E-22
10	1.52E-21	4.92E-22	4.85E-22	4.15E-22	3.42E-22	2.92E-22	2.52E-22	2.16E-22	1.89E-22	1.67E-22
11	1.42E-21	4.42E-22	4.42E-22	3.77E-22	3.16E-22	2.66E-22	2.27E-22	1.96E-22	1.72E-22	1.52E-22
12	1.32E-21	4.11E-22	4.05E-22	3.46E-22	2.92E-22	2.44E-22	2.22E-22	1.92E-22	1.65E-22	1.39E-22
13	1.22E-21	3.79E-22	3.74E-22	3.19E-22	2.67E-22	2.22E-22	1.92E-22	1.66E-22	1.45E-22	1.25E-22
14	1.14E-21	3.52E-22	3.47E-22	2.91E-22	2.42E-22	2.02E-22	1.79E-22	1.54E-22	1.35E-22	1.19E-22
15	1.26E-21	3.29E-22	3.24E-22	2.77E-22	2.32E-22	1.92E-22	1.67E-22	1.44E-22	1.26E-22	1.11E-22
16	9.97E-22	3.32E-22	3.24E-22	2.59E-22	2.17E-22	1.82E-22	1.56E-22	1.32E-22	1.11E-22	9.82E-22
17	9.32E-22	2.92E-22	2.86E-22	2.44E-22	2.24E-22	1.72E-22	1.47E-22	1.27E-22	1.11E-22	9.72E-22
18	8.82E-22	2.74E-22	2.72E-22	2.31E-22	1.92E-22	1.62E-22	1.37E-22	1.22E-22	1.02E-22	8.72E-22
19	5.42E-22	2.59E-22	2.54E-22	2.12E-22	1.82E-22	1.54E-22	1.32E-22	1.14E-22	9.44E-22	8.72E-22
20	7.92E-22	2.42E-22	2.42E-22	2.07E-22	1.74E-22	1.47E-22	1.22E-22	1.02E-22	9.45E-22	8.24E-22
21	7.52E-22	2.35E-22	2.31E-22	1.92E-22	1.66E-22	1.42E-22	1.19E-22	1.02E-22	9.22E-22	7.92E-22
22	7.22E-22	2.21E-22	2.21E-22	1.69E-22	1.52E-22	1.33E-22	1.14E-22	9.92E-22	8.52E-22	7.52E-22
23	6.94E-22	2.14E-22	2.11E-22	1.62E-22	1.51E-22	1.27E-22	1.09E-22	9.39E-22	8.21E-22	7.26E-22
24	6.62E-22	2.02E-22	2.02E-22	1.72E-22	1.45E-22	1.22E-22	1.04E-22	9.22E-22	7.87E-22	6.92E-22
25	6.32E-22	1.97E-22	1.94E-22	1.66E-22	1.39E-22	1.17E-22	1.02E-22	8.64E-22	7.56E-22	6.57E-22
26	6.14E-22	1.92E-22	1.87E-22	1.62E-22	1.34E-22	1.12E-22	9.62E-22	8.31E-22	7.27E-22	6.42E-22
27	5.91E-22	1.82E-22	1.82E-22	1.54E-22	1.29E-22	1.09E-22	9.24E-22	8.22E-22	7.22E-22	6.15E-22
28	5.72E-22	1.75E-22	1.74E-22	1.45E-22	1.24E-22	1.05E-22	8.92E-22	7.72E-22	6.75E-22	5.92E-22
29	5.52E-22	1.72E-22	1.69E-22	1.42E-22	1.22E-22	1.01E-22	8.62E-22	7.45E-22	6.5E-22	5.75E-22
30	5.32E-22	1.64E-22	1.62E-22	1.32E-22	1.16E-22	9.77E-22	8.34E-22	7.22E-22	6.32E-22	5.56E-22
31	5.15E-22	1.59E-22	1.57E-22	1.34E-22	1.12E-22	9.45E-22	8.07E-22	6.97E-22	6.02E-22	5.33E-22
32	4.99E-22	1.54E-22	1.52E-22	1.32E-22	1.09E-22	9.16E-22	7.81E-22	6.75E-22	5.92E-22	5.21E-22
33	4.82E-22	1.49E-22	1.47E-22	1.26E-22	1.05E-22	8.82E-22	7.52E-22	6.52E-22	5.72E-22	5.26E-22
34	4.67E-22	1.45E-22	1.42E-22	1.22E-22	1.02E-22	8.62E-22	7.32E-22	6.36E-22	5.56E-22	4.91E-22
35	4.56E-22	1.41E-22	1.39E-22	1.19E-22	9.92E-22	8.37E-22	7.14E-22	6.17E-22	5.42E-22	4.77E-22
36	4.42E-22	1.37E-22	1.35E-22	1.15E-22	9.62E-22	8.14E-22	6.95E-22	6.02E-22	5.26E-22	4.64E-22
37	4.31E-22	1.33E-22	1.31E-22	1.12E-22	9.32E-22	7.92E-22	6.76E-22	5.84E-22	5.11E-22	4.51E-22
38	4.22E-22	1.32E-22	1.29E-22	1.09E-22	9.15E-22	7.71E-22	6.58E-22	5.69E-22	4.97E-22	4.37E-22
39	4.12E-22	1.28E-22	1.25E-22	1.06E-22	8.91E-22	7.51E-22	6.41E-22	5.54E-22	4.84E-22	4.26E-22
40	3.94E-22	1.22E-22	1.21E-22	1.04E-22	8.69E-22	7.33E-22	6.25E-22	5.48E-22	4.72E-22	4.17E-22
41	3.84E-22	1.22E-22	1.19E-22	1.01E-22	8.48E-22	7.12E-22	6.12E-22	5.27E-22	4.61E-22	4.07E-22
42	3.62E-22	1.17E-22	1.16E-22	9.82E-22	8.22E-22	6.92E-22	5.92E-22	5.14E-22	4.58E-22	3.97E-22
43	3.71E-22	1.15E-22	1.12E-22	9.62E-22	8.02E-22	6.81E-22	5.82E-22	5.03E-22	4.39E-22	3.82E-22
44	3.53E-22	1.12E-22	1.12E-22	9.42E-22	7.92E-22	6.66E-22	5.66E-22	4.91E-22	4.29E-22	3.79E-22
45	3.52E-22	1.12E-22	1.12E-22	9.22E-22	7.72E-22	6.51E-22	5.56E-22	4.82E-22	4.22E-22	3.71E-22
46	3.47E-22	1.07E-22	1.05E-22	9.22E-22	7.55E-22	6.37E-22	5.44E-22	4.72E-22	4.11E-22	3.62E-22
47	3.35E-22	1.07E-22	1.03E-22	8.52E-22	7.42E-22	6.22E-22	5.32E-22	4.62E-22	4.02E-22	3.52E-22
48	3.32E-22	1.02E-22	1.01E-22	8.52E-22	7.24E-22	6.12E-22	5.21E-22	4.52E-22	3.94E-22	3.43E-22
49	3.24E-22	1.01E-22	9.92E-22	8.47E-22	7.24E-22	5.92E-22	5.12E-22	4.41E-22	3.86E-22	3.41E-22
50	3.17E-22	9.92E-22	9.72E-22	8.32E-22	6.95E-22	5.82E-22	5.02E-22	4.32E-22	3.72E-22	3.34E-22

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STACK LEVEL RELEASE
STABILITY CLASS E
NO FORMATION

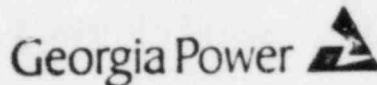
WILLIAMS/HOUR PER CURIE/SEC OF NOBLE GASES RELEASED

DROPPING DISTANCE FROM PLANT

UPPER STO SPEED (MPH)	1 MI	2 MI	3 MI	4 MI	5 MI	6 MI	7 MI	8 MI	9 MI	10 MI
1	4.50E-22	1.41E-22	2.86E-23	3.14E-23	3.20E-23	3.12E-23	2.98E-23	2.80E-23	2.62E-23	2.45E-23
2	2.29E-22	7.31E-23	1.37E-23	1.57E-23	1.61E-23	1.57E-23	1.49E-23	1.42E-23	1.31E-23	1.22E-23
3	1.53E-22	4.71E-23	8.87E-24	1.25E-23	1.26E-23	1.24E-23	9.92E-24	9.33E-24	8.74E-24	8.16E-24
4	1.15E-22	3.53E-23	6.61E-24	7.86E-24	8.34E-24	7.84E-24	7.44E-24	7.02E-24	6.56E-24	6.14E-24
5	9.14E-23	2.82E-23	5.33E-24	6.29E-24	6.45E-24	6.27E-24	5.95E-24	5.62E-24	5.24E-24	4.91E-24
6	7.53E-23	2.35E-23	4.43E-24	5.24E-24	5.38E-24	5.22E-24	4.94E-24	4.67E-24	4.37E-24	4.12E-24
7	6.54E-23	2.02E-23	3.82E-24	4.49E-24	4.61E-24	4.46E-24	4.25E-24	4.02E-24	3.75E-24	3.51E-24
8	5.71E-23	1.77E-23	3.33E-24	3.97E-24	4.07E-24	3.93E-24	3.72E-24	3.52E-24	3.28E-24	3.07E-24
9	5.07E-23	1.57E-23	2.96E-24	3.49E-24	3.58E-24	3.43E-24	3.31E-24	3.11E-24	2.91E-24	2.73E-24
10	4.59E-23	1.41E-23	2.66E-24	3.14E-24	3.23E-24	3.12E-24	2.98E-24	2.80E-24	2.62E-24	2.45E-24
11	4.16E-23	1.29E-23	2.42E-24	2.86E-24	2.95E-24	2.85E-24	2.71E-24	2.54E-24	2.38E-24	2.23E-24
12	3.82E-23	1.18E-23	2.22E-24	2.63E-24	2.69E-24	2.61E-24	2.48E-24	2.33E-24	2.19E-24	2.05E-24
13	3.51E-23	1.09E-23	2.05E-24	2.43E-24	2.48E-24	2.41E-24	2.29E-24	2.15E-24	2.02E-24	1.89E-24
14	3.27E-23	1.01E-23	1.92E-24	2.28E-24	2.33E-24	2.24E-24	2.13E-24	2.02E-24	1.87E-24	1.75E-24
15	3.05E-23	9.42E-24	1.77E-24	2.12E-24	2.15E-24	2.07E-24	1.96E-24	1.87E-24	1.75E-24	1.64E-24
16	2.84E-23	8.82E-24	1.66E-24	1.97E-24	2.02E-24	1.94E-24	1.84E-24	1.75E-24	1.64E-24	1.53E-24
17	2.67E-23	8.31E-24	1.57E-24	1.85E-24	1.90E-24	1.82E-24	1.72E-24	1.63E-24	1.54E-24	1.44E-24
18	2.54E-23	7.81E-24	1.48E-24	1.73E-24	1.77E-24	1.70E-24	1.60E-24	1.52E-24	1.43E-24	1.34E-24
19	2.41E-23	7.44E-24	1.40E-24	1.63E-24	1.67E-24	1.60E-24	1.50E-24	1.42E-24	1.33E-24	1.25E-24
20	2.29E-23	7.04E-24	1.33E-24	1.55E-24	1.60E-24	1.52E-24	1.42E-24	1.34E-24	1.25E-24	1.17E-24
21	2.18E-23	6.72E-24	1.27E-24	1.47E-24	1.52E-24	1.44E-24	1.34E-24	1.26E-24	1.17E-24	1.09E-24
22	2.08E-23	6.42E-24	1.21E-24	1.40E-24	1.45E-24	1.37E-24	1.27E-24	1.19E-24	1.10E-24	1.02E-24
23	1.99E-23	6.14E-24	1.16E-24	1.37E-24	1.42E-24	1.34E-24	1.24E-24	1.16E-24	1.07E-24	1.00E-24
24	1.91E-23	5.87E-24	1.11E-24	1.31E-24	1.36E-24	1.28E-24	1.18E-24	1.10E-24	1.01E-24	9.32E-25
25	1.83E-23	5.62E-24	1.06E-24	1.26E-24	1.31E-24	1.23E-24	1.13E-24	1.05E-24	9.65E-25	8.86E-25
26	1.75E-23	5.38E-24	1.02E-24	1.21E-24	1.26E-24	1.18E-24	1.08E-24	1.00E-24	9.10E-25	8.31E-25
27	1.70E-23	5.20E-24	9.84E-25	1.16E-24	1.19E-24	1.12E-24	1.02E-24	9.32E-25	8.42E-25	7.63E-25
28	1.64E-23	5.03E-24	9.57E-25	1.12E-24	1.15E-24	1.08E-24	9.82E-25	8.92E-25	8.02E-25	7.23E-25
29	1.59E-23	4.87E-24	9.18E-25	1.08E-24	1.11E-24	1.03E-24	9.27E-25	8.37E-25	7.47E-25	6.68E-25
30	1.53E-23	4.71E-24	8.87E-25	1.03E-24	1.06E-24	9.84E-25	8.78E-25	7.88E-25	6.98E-25	6.19E-25
31	1.48E-23	4.56E-24	8.56E-25	1.01E-24	1.04E-24	9.61E-25	8.55E-25	7.65E-25	6.75E-25	5.96E-25
32	1.43E-23	4.42E-24	8.32E-25	9.83E-25	1.01E-24	9.30E-25	8.24E-25	7.34E-25	6.44E-25	5.65E-25
33	1.39E-23	4.28E-24	8.06E-25	9.53E-25	9.79E-25	9.00E-25	7.94E-25	7.04E-25	6.14E-25	5.35E-25
34	1.35E-23	4.16E-24	7.81E-25	9.25E-25	9.49E-25	8.72E-25	7.66E-25	6.76E-25	5.86E-25	5.07E-25
35	1.31E-23	4.04E-24	7.62E-25	8.98E-25	9.22E-25	8.46E-25	7.40E-25	6.50E-25	5.60E-25	4.81E-25
36	1.27E-23	3.92E-24	7.37E-25	8.73E-25	8.95E-25	8.19E-25	7.13E-25	6.23E-25	5.33E-25	4.54E-25
37	1.24E-23	3.82E-24	7.16E-25	8.50E-25	8.72E-25	7.96E-25	6.90E-25	6.00E-25	5.10E-25	4.31E-25
38	1.21E-23	3.72E-24	7.03E-25	8.27E-25	8.49E-25	7.73E-25	6.67E-25	5.77E-25	4.87E-25	4.08E-25
39	1.17E-23	3.62E-24	6.81E-25	8.06E-25	8.27E-25	7.51E-25	6.45E-25	5.55E-25	4.65E-25	3.86E-25
40	1.15E-23	3.53E-24	6.65E-25	7.84E-25	8.05E-25	7.29E-25	6.23E-25	5.33E-25	4.43E-25	3.64E-25
41	1.12E-23	3.45E-24	6.49E-25	7.67E-25	7.87E-25	7.11E-25	6.05E-25	5.15E-25	4.25E-25	3.46E-25
42	1.09E-23	3.36E-24	6.34E-25	7.49E-25	7.69E-25	6.93E-25	5.87E-25	4.97E-25	4.07E-25	3.28E-25
43	1.07E-23	3.29E-24	6.19E-25	7.31E-25	7.51E-25	6.75E-25	5.69E-25	4.79E-25	3.89E-25	3.10E-25
44	1.04E-23	3.21E-24	6.05E-25	7.12E-25	7.32E-25	6.56E-25	5.50E-25	4.60E-25	3.70E-25	2.91E-25
45	1.02E-23	3.14E-24	5.91E-25	6.95E-25	7.15E-25	6.39E-25	5.33E-25	4.43E-25	3.53E-25	2.74E-25
46	9.95E-24	3.07E-24	5.78E-25	6.78E-25	6.98E-25	6.22E-25	5.16E-25	4.26E-25	3.36E-25	2.57E-25
47	9.78E-24	3.01E-24	5.65E-25	6.60E-25	6.80E-25	6.04E-25	4.98E-25	4.08E-25	3.18E-25	2.39E-25
48	9.54E-24	2.94E-24	5.54E-25	6.45E-25	6.65E-25	5.89E-25	4.83E-25	3.93E-25	3.03E-25	2.24E-25
49	9.28E-24	2.88E-24	5.43E-25	6.29E-25	6.49E-25	5.73E-25	4.67E-25	3.77E-25	2.87E-25	2.08E-25
50	9.11E-24	2.81E-24	5.32E-25	6.17E-25	6.37E-25	5.61E-25	4.55E-25	3.65E-25	2.75E-25	1.96E-25

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APPENDIX A VERIFICATION TABLES

VERIFICATION TABLE

STACK LEVEL RELEASE
STABILITY CLASS F
NO FUMIGATION

MILLIREM/HOUR PER CURIE/SEC OF NOBLE GASES RELEASED

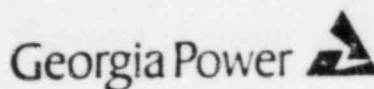
DOWNDRAIFT DISTANCE FROM PLANT

UPPER
WIND
SPEED
(MPH)

	1 MI	2 MI	3 MI	4 MI	5 MI	6 MI	7 MI	8 MI	9 MI	10 MI
1	2.15E-24	1.73E-23	1.52E-23	1.37E-23	1.22E-23	1.12E-23	1.02E-23	9.25E-24	8.35E-24	7.50E-24
2	1.87E-24	1.50E-23	1.32E-23	1.18E-23	1.05E-23	9.55E-24	8.65E-24	7.80E-24	7.00E-24	6.25E-24
3	1.65E-24	1.32E-23	1.18E-23	1.05E-23	9.55E-24	8.65E-24	7.80E-24	7.00E-24	6.25E-24	5.55E-24
4	1.45E-24	1.15E-23	1.02E-23	9.15E-24	8.25E-24	7.45E-24	6.70E-24	6.00E-24	5.35E-24	4.75E-24
5	1.25E-24	1.00E-23	8.85E-24	7.95E-24	7.15E-24	6.45E-24	5.80E-24	5.20E-24	4.65E-24	4.15E-24
6	1.05E-24	8.55E-24	7.55E-24	6.75E-24	6.05E-24	5.45E-24	4.90E-24	4.40E-24	3.95E-24	3.55E-24
7	8.55E-25	7.05E-24	6.20E-24	5.50E-24	4.90E-24	4.40E-24	4.00E-24	3.65E-24	3.35E-24	3.05E-24
8	6.55E-25	5.45E-24	4.75E-24	4.20E-24	3.75E-24	3.35E-24	3.05E-24	2.75E-24	2.50E-24	2.25E-24
9	4.55E-25	3.85E-24	3.35E-24	2.95E-24	2.65E-24	2.35E-24	2.10E-24	1.85E-24	1.65E-24	1.45E-24
10	2.55E-25	2.15E-24	1.85E-24	1.65E-24	1.45E-24	1.25E-24	1.10E-24	9.85E-25	8.85E-25	7.95E-25
11	1.55E-25	1.30E-24	1.15E-24	1.00E-24	8.85E-25	7.95E-25	7.15E-25	6.45E-25	5.85E-25	5.35E-25
12	1.35E-25	1.10E-24	9.75E-25	8.65E-25	7.75E-25	6.95E-25	6.25E-25	5.65E-25	5.15E-25	4.70E-25
13	1.15E-25	9.55E-25	8.45E-25	7.55E-25	6.75E-25	6.05E-25	5.45E-25	4.95E-25	4.55E-25	4.20E-25
14	9.55E-26	7.95E-25	6.95E-25	6.15E-25	5.45E-25	4.85E-25	4.35E-25	3.95E-25	3.65E-25	3.35E-25
15	7.55E-26	6.35E-25	5.55E-25	4.85E-25	4.25E-25	3.75E-25	3.35E-25	3.05E-25	2.75E-25	2.50E-25
16	5.55E-26	4.65E-25	4.05E-25	3.55E-25	3.15E-25	2.75E-25	2.45E-25	2.15E-25	1.95E-25	1.75E-25
17	3.55E-26	2.95E-25	2.55E-25	2.25E-25	1.95E-25	1.75E-25	1.55E-25	1.35E-25	1.20E-25	1.05E-25
18	2.55E-26	2.15E-25	1.85E-25	1.65E-25	1.45E-25	1.25E-25	1.10E-25	9.85E-26	8.85E-26	7.95E-26
19	1.55E-26	1.30E-25	1.15E-25	1.00E-25	8.85E-26	7.95E-26	7.15E-26	6.45E-26	5.85E-26	5.35E-26
20	1.35E-26	1.10E-25	9.75E-26	8.65E-26	7.75E-26	6.95E-26	6.25E-26	5.65E-26	5.15E-26	4.70E-26
21	1.15E-26	9.55E-26	8.45E-26	7.55E-26	6.75E-26	6.05E-26	5.45E-26	4.95E-26	4.55E-26	4.20E-26
22	9.55E-27	7.95E-26	6.95E-26	6.15E-26	5.45E-26	4.85E-26	4.35E-26	3.95E-26	3.65E-26	3.35E-26
23	7.55E-27	6.35E-26	5.55E-26	4.85E-26	4.25E-26	3.75E-26	3.35E-26	3.05E-26	2.75E-26	2.50E-26
24	5.55E-27	4.65E-26	4.05E-26	3.55E-26	3.15E-26	2.75E-26	2.45E-26	2.15E-26	1.95E-26	1.75E-26
25	3.55E-27	2.95E-26	2.55E-26	2.25E-26	1.95E-26	1.75E-26	1.55E-26	1.35E-26	1.20E-26	1.05E-26
26	2.55E-27	2.15E-26	1.85E-26	1.65E-26	1.45E-26	1.25E-26	1.10E-26	9.85E-27	8.85E-27	7.95E-27
27	1.55E-27	1.30E-26	1.15E-26	1.00E-26	8.85E-27	7.95E-27	7.15E-27	6.45E-27	5.85E-27	5.35E-27
28	1.35E-27	1.10E-26	9.75E-27	8.65E-27	7.75E-27	6.95E-27	6.25E-27	5.65E-27	5.15E-27	4.70E-27
29	1.15E-27	9.55E-27	8.45E-27	7.55E-27	6.75E-27	6.05E-27	5.45E-27	4.95E-27	4.55E-27	4.20E-27
30	9.55E-28	7.95E-27	6.95E-27	6.15E-27	5.45E-27	4.85E-27	4.35E-27	3.95E-27	3.65E-27	3.35E-27
31	7.55E-28	6.35E-27	5.55E-27	4.85E-27	4.25E-27	3.75E-27	3.35E-27	3.05E-27	2.75E-27	2.50E-27
32	5.55E-28	4.65E-27	4.05E-27	3.55E-27	3.15E-27	2.75E-27	2.45E-27	2.15E-27	1.95E-27	1.75E-27
33	3.55E-28	2.95E-27	2.55E-27	2.25E-27	1.95E-27	1.75E-27	1.55E-27	1.35E-27	1.20E-27	1.05E-27
34	2.55E-28	2.15E-27	1.85E-27	1.65E-27	1.45E-27	1.25E-27	1.10E-27	9.85E-28	8.85E-28	7.95E-28
35	1.55E-28	1.30E-27	1.15E-27	1.00E-27	8.85E-28	7.95E-28	7.15E-28	6.45E-28	5.85E-28	5.35E-28
36	1.35E-28	1.10E-27	9.75E-28	8.65E-28	7.75E-28	6.95E-28	6.25E-28	5.65E-28	5.15E-28	4.70E-28
37	1.15E-28	9.55E-28	8.45E-28	7.55E-28	6.75E-28	6.05E-28	5.45E-28	4.95E-28	4.55E-28	4.20E-28
38	9.55E-29	7.95E-28	6.95E-28	6.15E-28	5.45E-28	4.85E-28	4.35E-28	3.95E-28	3.65E-28	3.35E-28
39	7.55E-29	6.35E-28	5.55E-28	4.85E-28	4.25E-28	3.75E-28	3.35E-28	3.05E-28	2.75E-28	2.50E-28
40	5.55E-29	4.65E-28	4.05E-28	3.55E-28	3.15E-28	2.75E-28	2.45E-28	2.15E-28	1.95E-28	1.75E-28
41	3.55E-29	2.95E-28	2.55E-28	2.25E-28	1.95E-28	1.75E-28	1.55E-28	1.35E-28	1.20E-28	1.05E-28
42	2.55E-29	2.15E-28	1.85E-28	1.65E-28	1.45E-28	1.25E-28	1.10E-28	9.85E-29	8.85E-29	7.95E-29
43	1.55E-29	1.30E-28	1.15E-28	1.00E-28	8.85E-29	7.95E-29	7.15E-29	6.45E-29	5.85E-29	5.35E-29
44	1.35E-29	1.10E-28	9.75E-29	8.65E-29	7.75E-29	6.95E-29	6.25E-29	5.65E-29	5.15E-29	4.70E-29
45	1.15E-29	9.55E-29	8.45E-29	7.55E-29	6.75E-29	6.05E-29	5.45E-29	4.95E-29	4.55E-29	4.20E-29
46	9.55E-30	7.95E-29	6.95E-29	6.15E-29	5.45E-29	4.85E-29	4.35E-29	3.95E-29	3.65E-29	3.35E-29
47	7.55E-30	6.35E-29	5.55E-29	4.85E-29	4.25E-29	3.75E-29	3.35E-29	3.05E-29	2.75E-29	2.50E-29
48	5.55E-30	4.65E-29	4.05E-29	3.55E-29	3.15E-29	2.75E-29	2.45E-29	2.15E-29	1.95E-29	1.75E-29
49	3.55E-30	2.95E-29	2.55E-29	2.25E-29	1.95E-29	1.75E-29	1.55E-29	1.35E-29	1.20E-29	1.05E-29
50	2.55E-30	2.15E-29	1.85E-29	1.65E-29	1.45E-29	1.25E-29	1.10E-29	9.85E-30	8.85E-30	7.95E-30

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APPENDIX A VERIFICATION TABLES

VERIFICATION TABLE

GROUND LEVEL RELEASE
STABILITY CLASS A

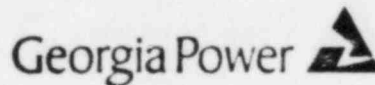
MILLIREM/HOUR PER CURIE/SEC OF IODINE RELEASED

DOWNWIND DISTANCE FROM PLANT

WIND SPEED (MPH)	1 MI	2 MI	3 MI	4 MI	5 MI	6 MI	7 MI	8 MI	9 MI	10 MI
1	3.34E+03	1.67E+03	1.11E+03	8.37E+02	6.67E+02	5.00E+02	4.00E+02	3.34E+02	2.78E+02	2.22E+02
2	1.68E+03	8.37E+02	5.56E+02	4.18E+02	3.33E+02	2.50E+02	2.00E+02	1.67E+02	1.39E+02	1.11E+02
3	1.12E+03	5.56E+02	3.70E+02	2.78E+02	2.22E+02	1.67E+02	1.33E+02	1.11E+02	9.09E+01	7.27E+01
4	8.37E+02	4.18E+02	2.78E+02	2.00E+02	1.67E+02	1.25E+02	1.00E+02	8.37E+01	6.94E+01	5.56E+01
5	6.67E+02	3.33E+02	2.22E+02	1.67E+02	1.33E+02	1.00E+02	8.00E+01	6.67E+01	5.56E+01	4.44E+01
6	5.00E+02	2.50E+02	1.67E+02	1.25E+02	1.00E+02	7.50E+01	6.00E+01	5.00E+01	4.17E+01	3.33E+01
7	4.00E+02	2.00E+02	1.33E+02	1.00E+02	8.00E+01	6.40E+01	5.14E+01	4.29E+01	3.58E+01	2.90E+01
8	3.34E+02	1.67E+02	1.11E+02	8.37E+01	6.67E+01	5.00E+01	4.00E+01	3.34E+01	2.78E+01	2.22E+01
9	2.78E+02	1.39E+02	9.09E+01	6.94E+01	5.56E+01	4.44E+01	3.58E+01	2.90E+01	2.38E+01	1.90E+01
10	2.22E+02	1.11E+02	7.27E+01	5.56E+01	4.44E+01	3.58E+01	2.90E+01	2.38E+01	1.90E+01	1.53E+01
11	1.85E+02	9.26E+01	6.17E+01	4.68E+01	3.70E+01	2.90E+01	2.38E+01	1.90E+01	1.53E+01	1.22E+01
12	1.54E+02	7.71E+01	5.14E+01	3.90E+01	3.11E+01	2.50E+01	2.00E+01	1.67E+01	1.39E+01	1.11E+01
13	1.28E+02	6.40E+01	4.29E+01	3.23E+01	2.59E+01	2.07E+01	1.67E+01	1.39E+01	1.11E+01	9.09E+00
14	1.07E+02	5.33E+01	3.58E+01	2.70E+01	2.22E+01	1.78E+01	1.43E+01	1.18E+01	9.70E+00	7.78E+00
15	9.09E+01	4.55E+01	3.03E+01	2.27E+01	1.85E+01	1.48E+01	1.18E+01	9.70E+00	7.78E+00	6.27E+00
16	7.71E+01	3.86E+01	2.59E+01	1.95E+01	1.56E+01	1.25E+01	1.00E+01	8.37E+00	6.94E+00	5.56E+00
17	6.67E+01	3.33E+01	2.22E+01	1.67E+01	1.33E+01	1.00E+01	8.00E+00	6.67E+00	5.56E+00	4.44E+00
18	5.78E+01	2.89E+01	1.90E+01	1.43E+01	1.11E+01	8.68E+00	6.94E+00	5.78E+00	4.75E+00	3.86E+00
19	5.00E+01	2.50E+01	1.67E+01	1.25E+01	1.00E+01	7.50E+00	6.00E+00	5.00E+00	4.17E+00	3.33E+00
20	4.44E+01	2.22E+01	1.48E+01	1.11E+01	8.89E+00	7.11E+00	5.78E+00	4.75E+00	3.86E+00	3.11E+00
21	3.90E+01	1.95E+01	1.30E+01	9.70E+00	7.78E+00	6.27E+00	5.14E+00	4.29E+00	3.58E+00	2.90E+00
22	3.47E+01	1.73E+01	1.15E+01	8.68E+00	6.94E+00	5.56E+00	4.44E+00	3.58E+00	2.90E+00	2.38E+00
23	3.11E+01	1.56E+01	1.03E+01	7.78E+00	6.27E+00	5.00E+00	4.00E+00	3.34E+00	2.78E+00	2.22E+00
24	2.78E+01	1.39E+01	9.09E+00	6.94E+00	5.56E+00	4.44E+00	3.58E+00	2.90E+00	2.38E+00	1.90E+00
25	2.50E+01	1.25E+01	8.37E+00	6.40E+00	5.14E+00	4.00E+00	3.23E+00	2.67E+00	2.19E+00	1.74E+00
26	2.22E+01	1.11E+01	7.27E+00	5.56E+00	4.44E+00	3.58E+00	2.90E+00	2.38E+00	1.90E+00	1.53E+00
27	1.90E+01	9.70E+00	6.40E+00	4.68E+00	3.70E+00	2.90E+00	2.38E+00	1.90E+00	1.53E+00	1.22E+00
28	1.67E+01	8.37E+00	5.56E+00	4.18E+00	3.33E+00	2.50E+00	2.00E+00	1.67E+00	1.39E+00	1.11E+00
29	1.48E+01	7.41E+00	4.95E+00	3.70E+00	2.90E+00	2.22E+00	1.78E+00	1.43E+00	1.18E+00	9.70E+00
30	1.33E+01	6.67E+00	4.44E+00	3.33E+00	2.59E+00	2.07E+00	1.67E+00	1.39E+00	1.11E+00	9.09E+00
31	1.18E+01	5.90E+00	3.90E+00	2.90E+00	2.22E+00	1.78E+00	1.43E+00	1.18E+00	9.70E+00	7.78E+00
32	1.07E+01	5.33E+00	3.58E+00	2.70E+00	2.00E+00	1.56E+00	1.25E+00	1.00E+00	8.37E+00	6.94E+00
33	9.70E+00	4.85E+00	3.23E+00	2.43E+00	1.95E+00	1.56E+00	1.25E+00	1.00E+00	8.37E+00	6.94E+00
34	8.68E+00	4.34E+00	2.90E+00	2.22E+00	1.78E+00	1.43E+00	1.18E+00	9.70E+00	7.78E+00	6.27E+00
35	7.78E+00	3.90E+00	2.59E+00	1.95E+00	1.56E+00	1.25E+00	1.00E+00	8.37E+00	6.94E+00	5.56E+00
36	6.94E+00	3.47E+00	2.27E+00	1.73E+00	1.39E+00	1.11E+00	9.09E+00	7.27E+00	5.85E+00	4.68E+00
37	6.27E+00	3.11E+00	2.00E+00	1.56E+00	1.25E+00	1.00E+00	8.00E+00	6.67E+00	5.56E+00	4.44E+00
38	5.78E+00	2.89E+00	1.90E+00	1.43E+00	1.11E+00	8.68E+00	6.94E+00	5.78E+00	4.75E+00	3.86E+00
39	5.14E+00	2.57E+00	1.73E+00	1.30E+00	1.03E+00	8.26E+00	6.67E+00	5.45E+00	4.55E+00	3.65E+00
40	4.68E+00	2.34E+00	1.56E+00	1.18E+00	9.70E+00	7.78E+00	6.27E+00	5.14E+00	4.29E+00	3.58E+00
41	4.29E+00	2.14E+00	1.43E+00	1.07E+00	8.59E+00	6.87E+00	5.50E+00	4.44E+00	3.58E+00	2.90E+00
42	3.90E+00	1.95E+00	1.30E+00	9.70E+00	7.78E+00	6.27E+00	5.14E+00	4.29E+00	3.58E+00	2.90E+00
43	3.58E+00	1.78E+00	1.18E+00	8.68E+00	6.94E+00	5.56E+00	4.44E+00	3.58E+00	2.90E+00	2.38E+00
44	3.23E+00	1.67E+00	1.11E+00	8.37E+00	6.67E+00	5.00E+00	4.00E+00	3.34E+00	2.78E+00	2.22E+00
45	2.90E+00	1.50E+00	1.00E+00	7.50E+00	6.00E+00	4.75E+00	3.86E+00	3.11E+00	2.50E+00	2.00E+00
46	2.59E+00	1.33E+00	8.89E+00	6.94E+00	5.56E+00	4.44E+00	3.58E+00	2.90E+00	2.38E+00	1.90E+00
47	2.27E+00	1.15E+00	7.78E+00	6.27E+00	5.00E+00	4.00E+00	3.23E+00	2.67E+00	2.19E+00	1.74E+00
48	2.00E+00	1.00E+00	6.67E+00	5.56E+00	4.44E+00	3.58E+00	2.90E+00	2.38E+00	1.90E+00	1.53E+00
49	1.78E+00	8.90E+00	5.90E+00	4.68E+00	3.70E+00	2.90E+00	2.38E+00	1.90E+00	1.53E+00	1.22E+00
50	1.56E+00	7.71E+00	5.14E+00	3.90E+00	3.11E+00	2.50E+00	2.00E+00	1.67E+00	1.39E+00	1.11E+00

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APPENDIX A VERIFICATION TABLES

VERIFICATION TABLE

GROUND LEVEL RELEASE
STABILITY CLASS 3

MILLIREMS/HOUR PER CURIE/SEC OF 100TME RELEASED

DOWNDRAFT DISTANCE FROM PLANT

SPEED (MPH)	1 MI	2 MI	3 MI	4 MI	5 MI	6 MI	7 MI	8 MI	9 MI	10 MI
1	2.41E-04	6.07E-03	2.71E-02	1.53E-01	1.25E-01	9.69E-02	9.69E-02	9.69E-02	9.69E-02	9.69E-02
2	1.21E-04	3.04E-03	1.36E-02	7.65E-02	5.23E-02	4.84E-02	4.84E-02	4.84E-02	4.84E-02	4.84E-02
3	8.24E-05	2.03E-03	9.34E-03	5.07E-02	3.47E-02	3.03E-02	3.20E-02	3.20E-02	3.03E-02	3.20E-02
4	6.27E-05	1.53E-03	6.76E-03	3.82E-02	2.62E-02	2.42E-02	2.42E-02	2.42E-02	2.42E-02	2.42E-02
5	4.62E-05	1.12E-03	5.42E-03	3.25E-02	2.27E-02	1.94E-02	1.94E-02	1.94E-02	1.94E-02	1.94E-02
6	4.32E-05	1.21E-03	4.52E-03	2.54E-02	1.74E-02	1.61E-02	1.61E-02	1.61E-02	1.61E-02	1.61E-02
7	3.44E-05	8.67E-04	3.87E-03	2.18E-02	1.49E-02	1.33E-02	1.33E-02	1.33E-02	1.33E-02	1.33E-02
8	3.21E-05	7.61E-04	3.37E-03	1.91E-02	1.31E-02	1.21E-02	1.21E-02	1.21E-02	1.21E-02	1.21E-02
9	2.68E-05	6.76E-04	3.01E-03	1.70E-02	1.16E-02	1.05E-02	1.05E-02	1.05E-02	1.05E-02	1.05E-02
10	2.41E-05	6.07E-04	2.71E-03	1.53E-02	1.05E-02	9.69E-03	9.69E-03	9.69E-03	9.69E-03	9.69E-03
11	2.17E-05	5.52E-04	2.45E-03	1.37E-02	9.51E-03	8.81E-03	8.81E-03	8.81E-03	8.81E-03	8.81E-03
12	2.21E-05	5.27E-04	2.26E-03	1.27E-02	8.73E-03	8.07E-03	8.07E-03	8.07E-03	8.07E-03	8.07E-03
13	1.85E-05	4.62E-04	2.07E-03	1.17E-02	8.25E-03	7.45E-03	7.45E-03	7.45E-03	7.45E-03	7.45E-03
14	1.70E-05	4.32E-04	1.94E-03	1.07E-02	7.47E-03	6.92E-03	6.92E-03	6.92E-03	6.92E-03	6.92E-03
15	1.61E-05	4.32E-04	1.81E-03	1.02E-02	6.97E-03	6.46E-03	6.46E-03	6.46E-03	6.46E-03	6.46E-03
16	1.51E-05	3.93E-04	1.67E-03	9.54E-03	6.54E-03	6.25E-03	6.25E-03	6.25E-03	6.25E-03	6.25E-03
17	1.42E-05	3.93E-04	1.59E-03	8.76E-03	6.15E-03	5.70E-03	5.70E-03	5.70E-03	5.70E-03	5.70E-03
18	1.34E-05	3.38E-04	1.51E-03	8.48E-03	5.61E-03	5.36E-03	5.36E-03	5.36E-03	5.36E-03	5.36E-03
19	1.27E-05	3.22E-04	1.43E-03	8.23E-03	5.51E-03	5.18E-03	5.18E-03	5.18E-03	5.18E-03	5.18E-03
20	1.21E-05	3.04E-04	1.36E-03	7.63E-03	5.23E-03	4.84E-03	4.84E-03	4.84E-03	4.84E-03	4.84E-03
21	1.15E-05	2.90E-04	1.29E-03	7.27E-03	4.98E-03	4.61E-03	4.61E-03	4.61E-03	4.61E-03	4.61E-03
22	1.12E-05	2.77E-04	1.23E-03	6.94E-03	4.75E-03	4.40E-03	4.40E-03	4.40E-03	4.40E-03	4.40E-03
23	1.05E-05	2.65E-04	1.16E-03	6.64E-03	4.55E-03	4.21E-03	4.21E-03	4.21E-03	4.21E-03	4.21E-03
24	1.03E-05	2.54E-04	1.13E-03	6.36E-03	4.36E-03	4.04E-03	4.04E-03	4.04E-03	4.04E-03	4.04E-03
25	9.64E-06	2.43E-04	1.02E-03	6.11E-03	4.16E-03	3.87E-03	3.87E-03	3.87E-03	3.87E-03	3.87E-03
26	9.27E-06	2.34E-04	1.04E-03	5.87E-03	4.22E-03	3.73E-03	3.73E-03	3.73E-03	3.73E-03	3.73E-03
27	8.93E-06	2.25E-04	1.02E-03	5.65E-03	3.87E-03	3.59E-03	3.59E-03	3.59E-03	3.59E-03	3.59E-03
28	8.61E-06	2.17E-04	9.58E-04	5.45E-03	3.74E-03	3.46E-03	3.46E-03	3.46E-03	3.46E-03	3.46E-03
29	8.31E-06	2.12E-04	9.35E-04	5.26E-03	3.61E-03	3.34E-03	3.34E-03	3.34E-03	3.34E-03	3.34E-03
30	8.24E-06	2.03E-04	9.34E-04	5.07E-03	3.47E-03	3.23E-03	3.23E-03	3.23E-03	3.23E-03	3.23E-03
31	7.76E-06	1.94E-04	8.75E-04	4.92E-03	3.37E-03	3.12E-03	3.12E-03	3.12E-03	3.12E-03	3.12E-03
32	7.53E-06	1.83E-04	8.47E-04	4.77E-03	3.27E-03	3.03E-03	3.03E-03	3.03E-03	3.03E-03	3.03E-03
33	7.31E-06	1.64E-04	8.22E-04	4.63E-03	3.17E-03	2.94E-03	2.94E-03	2.94E-03	2.94E-03	2.94E-03
34	7.27E-06	1.77E-04	7.97E-04	4.47E-03	3.05E-03	2.85E-03	2.85E-03	2.85E-03	2.85E-03	2.85E-03
35	6.87E-06	1.74E-04	7.75E-04	4.36E-03	2.97E-03	2.77E-03	2.77E-03	2.77E-03	2.77E-03	2.77E-03
36	6.72E-06	1.67E-04	7.53E-04	4.24E-03	2.91E-03	2.67E-03	2.67E-03	2.67E-03	2.67E-03	2.67E-03
37	6.52E-06	1.64E-04	7.32E-04	4.13E-03	2.83E-03	2.62E-03	2.62E-03	2.62E-03	2.62E-03	2.62E-03
38	6.34E-06	1.62E-04	7.13E-04	4.02E-03	2.75E-03	2.55E-03	2.55E-03	2.55E-03	2.55E-03	2.55E-03
39	6.16E-06	1.55E-04	6.95E-04	3.91E-03	2.68E-03	2.46E-03	2.46E-03	2.46E-03	2.46E-03	2.46E-03
40	6.07E-06	1.52E-04	6.75E-04	3.82E-03	2.52E-03	2.42E-03	2.42E-03	2.42E-03	2.42E-03	2.42E-03
41	5.88E-06	1.48E-04	6.61E-04	3.72E-03	2.55E-03	2.36E-03	2.36E-03	2.36E-03	2.36E-03	2.36E-03
42	5.74E-06	1.45E-04	6.46E-04	3.63E-03	2.49E-03	2.31E-03	2.31E-03	2.31E-03	2.31E-03	2.31E-03
43	5.61E-06	1.42E-04	6.31E-04	3.55E-03	2.43E-03	2.25E-03	2.25E-03	2.25E-03	2.25E-03	2.25E-03
44	5.48E-06	1.38E-04	6.16E-04	3.47E-03	2.38E-03	2.20E-03	2.20E-03	2.20E-03	2.20E-03	2.20E-03
45	5.36E-06	1.35E-04	6.02E-04	3.39E-03	2.32E-03	2.15E-03	2.15E-03	2.15E-03	2.15E-03	2.15E-03
46	5.24E-06	1.32E-04	5.89E-04	3.32E-03	2.27E-03	2.11E-03	2.11E-03	2.11E-03	2.11E-03	2.11E-03
47	5.13E-06	1.29E-04	5.77E-04	3.25E-03	2.23E-03	2.08E-03	2.08E-03	2.08E-03	2.08E-03	2.08E-03
48	5.02E-06	1.27E-04	5.65E-04	3.16E-03	2.16E-03	2.02E-03	2.02E-03	2.02E-03	2.02E-03	2.02E-03
49	4.92E-06	1.24E-04	5.53E-04	3.12E-03	2.13E-03	1.98E-03	1.98E-03	1.98E-03	1.98E-03	1.98E-03
50	4.82E-06	1.22E-04	5.42E-04	3.05E-03	2.09E-03	1.94E-03	1.94E-03	1.94E-03	1.94E-03	1.94E-03

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APPENDIX A VERIFICATION TABLES

VERIFICATION TABLE

GROUND LEVEL RELEASE
STABILITY CLASS C


WILLIAMS/HOUR PER CURIE/SEC OF 100TME RELEASED

DOWNWIND DISTANCE FROM PLANT

DOWNWIND DISTANCE FROM PLANT (M)	1 MI	2 MI	3 MI	4 MI	5 MI	6 MI	7 MI	8 MI	9 MI	10 MI
1	5.24E+04	1.51E+04	7.22E+03	4.29E+03	2.81E+03	2.06E+03	1.56E+03	1.31E+03	1.16E+03	1.07E+03
2	2.62E+04	7.53E+03	3.51E+03	2.15E+03	1.43E+03	1.03E+03	7.79E+02	6.57E+02	5.73E+02	5.32E+02
3	1.75E+04	5.02E+03	2.41E+03	1.43E+03	9.55E+02	6.86E+02	5.19E+02	4.38E+02	3.93E+02	3.57E+02
4	1.31E+04	3.75E+03	1.81E+03	1.07E+03	7.16E+02	5.15E+02	3.87E+02	3.23E+02	2.95E+02	2.69E+02
5	1.02E+04	2.81E+03	1.45E+03	8.56E+02	5.73E+02	4.12E+02	3.11E+02	2.62E+02	2.36E+02	2.14E+02
6	8.73E+03	2.51E+03	1.28E+03	7.15E+02	4.77E+02	3.43E+02	2.59E+02	2.19E+02	1.97E+02	1.79E+02
7	7.49E+03	2.15E+03	1.03E+03	6.13E+02	4.39E+02	2.94E+02	2.22E+02	1.89E+02	1.69E+02	1.53E+02
8	6.55E+03	1.89E+03	9.82E+02	5.37E+02	3.56E+02	2.57E+02	1.95E+02	1.64E+02	1.47E+02	1.34E+02
9	5.82E+03	1.67E+03	8.82E+02	4.77E+02	3.15E+02	2.29E+02	1.73E+02	1.46E+02	1.31E+02	1.19E+02
10	5.24E+03	1.51E+03	7.22E+02	4.29E+02	2.81E+02	2.06E+02	1.56E+02	1.31E+02	1.16E+02	1.07E+02
11	4.76E+03	1.37E+03	6.57E+02	3.90E+02	2.62E+02	1.87E+02	1.41E+02	1.19E+02	1.07E+02	9.74E+01
12	4.37E+03	1.25E+03	6.02E+02	3.56E+02	2.37E+02	1.72E+02	1.30E+02	1.09E+02	9.83E+01	8.93E+01
13	4.03E+03	1.16E+03	5.54E+02	3.32E+02	2.20E+02	1.58E+02	1.20E+02	1.01E+02	9.07E+01	8.24E+01
14	3.74E+03	1.08E+03	5.16E+02	3.07E+02	2.05E+02	1.47E+02	1.11E+02	9.33E+01	8.43E+01	7.61E+01
15	3.49E+03	1.00E+03	4.82E+02	2.86E+02	1.91E+02	1.37E+02	1.04E+02	8.76E+01	7.95E+01	7.15E+01
16	3.28E+03	9.41E+02	4.52E+02	2.68E+02	1.79E+02	1.29E+02	9.73E+01	8.21E+01	7.37E+01	6.72E+01
17	3.09E+03	8.65E+02	4.25E+02	2.52E+02	1.69E+02	1.21E+02	9.15E+01	7.73E+01	6.94E+01	6.30E+01
18	2.91E+03	8.16E+02	4.02E+02	2.38E+02	1.59E+02	1.14E+02	8.65E+01	7.38E+01	6.55E+01	5.95E+01
19	2.76E+03	7.92E+02	3.83E+02	2.25E+02	1.51E+02	1.02E+02	8.19E+01	6.91E+01	6.21E+01	5.64E+01
20	2.62E+03	7.53E+02	3.61E+02	2.15E+02	1.43E+02	1.03E+02	7.79E+01	6.57E+01	5.93E+01	5.32E+01
21	2.50E+03	7.17E+02	3.44E+02	2.04E+02	1.36E+02	9.89E+01	7.41E+01	6.25E+01	5.62E+01	5.10E+01
22	2.39E+03	6.84E+02	3.29E+02	1.95E+02	1.30E+02	9.36E+01	7.37E+01	5.97E+01	5.35E+01	4.87E+01
23	2.29E+03	6.54E+02	3.14E+02	1.87E+02	1.25E+02	8.95E+01	6.77E+01	5.71E+01	5.10E+01	4.61E+01
24	2.18E+03	6.27E+02	3.01E+02	1.79E+02	1.19E+02	8.53E+01	6.48E+01	5.47E+01	4.92E+01	4.47E+01
25	2.10E+03	6.02E+02	2.89E+02	1.72E+02	1.15E+02	8.23E+01	6.23E+01	5.25E+01	4.72E+01	4.29E+01
26	2.02E+03	5.79E+02	2.78E+02	1.65E+02	1.10E+02	7.92E+01	5.99E+01	5.25E+01	4.54E+01	4.12E+01
27	1.94E+03	5.57E+02	2.68E+02	1.59E+02	1.06E+02	7.62E+01	5.76E+01	4.84E+01	4.37E+01	3.97E+01
28	1.87E+03	5.33E+02	2.58E+02	1.53E+02	1.02E+02	7.35E+01	5.56E+01	4.69E+01	4.21E+01	3.83E+01
29	1.81E+03	5.19E+02	2.47E+02	1.48E+02	9.89E+01	7.10E+01	5.37E+01	4.53E+01	4.07E+01	3.70E+01
30	1.75E+03	5.02E+02	2.41E+02	1.43E+02	9.55E+01	6.86E+01	5.19E+01	4.38E+01	3.93E+01	3.57E+01
31	1.69E+03	4.82E+02	2.33E+02	1.38E+02	9.24E+01	6.64E+01	5.02E+01	4.24E+01	3.81E+01	3.45E+01
32	1.64E+03	4.70E+02	2.26E+02	1.34E+02	8.95E+01	6.43E+01	4.84E+01	4.10E+01	3.69E+01	3.35E+01
33	1.59E+03	4.56E+02	2.19E+02	1.30E+02	8.68E+01	6.24E+01	4.72E+01	3.98E+01	3.57E+01	3.25E+01
34	1.54E+03	4.43E+02	2.13E+02	1.26E+02	8.43E+01	6.05E+01	4.58E+01	3.84E+01	3.47E+01	3.15E+01
35	1.50E+03	4.32E+02	2.07E+02	1.23E+02	8.18E+01	5.86E+01	4.45E+01	3.75E+01	3.37E+01	3.06E+01
36	1.46E+03	4.18E+02	2.01E+02	1.19E+02	7.94E+01	5.72E+01	4.32E+01	3.62E+01	3.23E+01	2.92E+01
37	1.42E+03	4.07E+02	1.95E+02	1.15E+02	7.74E+01	5.56E+01	4.21E+01	3.52E+01	3.19E+01	2.89E+01
38	1.38E+03	3.95E+02	1.90E+02	1.12E+02	7.54E+01	5.42E+01	4.10E+01	3.44E+01	3.12E+01	2.82E+01
39	1.34E+03	3.86E+02	1.85E+02	1.08E+02	7.34E+01	5.28E+01	3.99E+01	3.37E+01	3.02E+01	2.75E+01
40	1.31E+03	3.75E+02	1.81E+02	1.07E+02	7.16E+01	5.15E+01	3.89E+01	3.29E+01	2.95E+01	2.69E+01
41	1.28E+03	3.67E+02	1.76E+02	1.05E+02	6.99E+01	5.02E+01	3.80E+01	3.20E+01	2.86E+01	2.61E+01
42	1.25E+03	3.59E+02	1.72E+02	1.02E+02	6.82E+01	4.90E+01	3.71E+01	3.13E+01	2.81E+01	2.56E+01
43	1.22E+03	3.50E+02	1.68E+02	9.99E+01	6.66E+01	4.77E+01	3.62E+01	3.05E+01	2.74E+01	2.49E+01
44	1.19E+03	3.42E+02	1.64E+02	9.75E+01	6.51E+01	4.68E+01	3.54E+01	2.99E+01	2.68E+01	2.44E+01
45	1.16E+03	3.34E+02	1.61E+02	9.54E+01	6.37E+01	4.57E+01	3.46E+01	2.92E+01	2.62E+01	2.38E+01
46	1.14E+03	3.27E+02	1.57E+02	9.33E+01	6.23E+01	4.47E+01	3.38E+01	2.85E+01	2.55E+01	2.32E+01
47	1.11E+03	3.20E+02	1.54E+02	9.13E+01	6.09E+01	4.38E+01	3.31E+01	2.79E+01	2.51E+01	2.28E+01
48	1.09E+03	3.14E+02	1.51E+02	8.94E+01	5.97E+01	4.29E+01	3.24E+01	2.74E+01	2.46E+01	2.23E+01
49	1.07E+03	3.07E+02	1.48E+02	8.75E+01	5.85E+01	4.20E+01	3.16E+01	2.68E+01	2.41E+01	2.19E+01
50	1.05E+03	3.01E+02	1.45E+02	8.56E+01	5.73E+01	4.12E+01	3.11E+01	2.63E+01	2.36E+01	2.14E+01

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APPENDIX A VERIFICATION TABLES

VERIFICATION TABLE

GROUND LEVEL RELEASE
STABILITY CLASS D

MILLIREM/HOUR PER CURIE/SEC OF 100TNE RELEASED

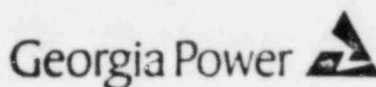
DOWNDWIND DISTANCE FROM PLANT

WIND
SPEED
(MPH)

	1 MI	2 MI	3 MI	4 MI	5 MI	6 MI	7 MI	8 MI	9 MI	10 MI
1	1.25E+05	5.12E+04	2.97E+04	2.21E+04	1.46E+04	1.15E+04	9.30E+03	7.72E+03	6.55E+03	5.65E+03
2	6.23E+04	2.55E+04	1.47E+04	1.01E+04	7.41E+03	5.75E+03	4.65E+03	3.86E+03	3.27E+03	2.83E+03
3	4.15E+04	1.70E+04	9.70E+03	6.70E+03	4.94E+03	3.84E+03	3.12E+03	2.57E+03	2.18E+03	1.89E+03
4	3.11E+04	1.27E+04	7.43E+03	5.03E+03	3.73E+03	2.82E+03	2.32E+03	1.93E+03	1.64E+03	1.41E+03
5	2.51E+04	1.05E+04	6.05E+03	4.09E+03	3.01E+03	2.30E+03	1.82E+03	1.56E+03	1.32E+03	1.14E+03
6	2.35E+04	9.17E+03	5.24E+03	3.51E+03	2.56E+03	1.95E+03	1.59E+03	1.32E+03	1.12E+03	9.61E+02
7	2.15E+04	8.10E+03	4.61E+03	3.07E+03	2.24E+03	1.73E+03	1.37E+03	1.15E+03	9.68E+02	8.33E+02
8	1.99E+04	7.30E+03	4.13E+03	2.74E+03	1.99E+03	1.53E+03	1.23E+03	1.01E+03	8.54E+02	7.34E+02
9	1.84E+04	6.73E+03	3.74E+03	2.47E+03	1.77E+03	1.37E+03	1.10E+03	9.06E+02	7.65E+02	6.57E+02
10	1.72E+04	6.19E+03	3.42E+03	2.25E+03	1.62E+03	1.25E+03	9.94E+02	8.21E+02	6.92E+02	5.95E+02
11	1.62E+04	5.74E+03	3.15E+03	2.04E+03	1.49E+03	1.14E+03	9.12E+02	7.51E+02	6.33E+02	5.47E+02
12	1.51E+04	5.30E+03	2.92E+03	1.91E+03	1.38E+03	1.05E+03	8.42E+02	6.92E+02	5.83E+02	5.00E+02
13	1.42E+04	4.85E+03	2.71E+03	1.77E+03	1.28E+03	9.76E+02	7.79E+02	6.41E+02	5.40E+02	4.62E+02
14	1.33E+04	4.50E+03	2.52E+03	1.64E+03	1.18E+03	9.26E+02	7.23E+02	5.95E+02	5.01E+02	4.30E+02
15	1.21E+04	4.07E+03	2.35E+03	1.54E+03	1.11E+03	8.46E+02	6.75E+02	5.55E+02	4.68E+02	4.01E+02
16	1.14E+04	4.00E+03	2.30E+03	1.47E+03	1.04E+03	7.93E+02	6.33E+02	5.21E+02	4.38E+02	3.76E+02
17	1.07E+04	3.75E+03	2.07E+03	1.35E+03	9.75E+02	7.46E+02	5.96E+02	4.90E+02	4.13E+02	3.54E+02
18	1.01E+04	3.50E+03	1.92E+03	1.25E+03	9.21E+02	7.05E+02	5.61E+02	4.63E+02	3.90E+02	3.34E+02
19	9.55E+03	3.37E+03	1.85E+03	1.21E+03	8.70E+02	6.65E+02	5.33E+02	4.38E+02	3.67E+02	3.17E+02
20	9.00E+03	3.22E+03	1.76E+03	1.15E+03	8.29E+02	6.34E+02	5.05E+02	4.16E+02	3.51E+02	3.01E+02
21	8.45E+03	3.07E+03	1.68E+03	1.10E+03	7.89E+02	6.04E+02	4.82E+02	3.97E+02	3.34E+02	2.87E+02
22	8.01E+03	2.93E+03	1.62E+03	1.05E+03	7.54E+02	5.77E+02	4.58E+02	3.77E+02	3.17E+02	2.73E+02
23	7.92E+03	2.80E+03	1.53E+03	1.00E+03	7.21E+02	5.52E+02	4.42E+02	3.62E+02	3.05E+02	2.62E+02
24	7.57E+03	2.68E+03	1.47E+03	9.59E+02	6.91E+02	5.29E+02	4.22E+02	3.47E+02	2.92E+02	2.51E+02
25	7.27E+03	2.53E+03	1.41E+03	9.21E+02	6.63E+02	5.07E+02	4.05E+02	3.33E+02	2.81E+02	2.41E+02
26	6.97E+03	2.40E+03	1.36E+03	8.86E+02	6.38E+02	4.89E+02	3.87E+02	3.20E+02	2.72E+02	2.31E+02
27	6.73E+03	2.30E+03	1.31E+03	8.53E+02	6.14E+02	4.70E+02	3.75E+02	3.08E+02	2.63E+02	2.23E+02
28	6.47E+03	2.20E+03	1.26E+03	8.20E+02	5.92E+02	4.53E+02	3.58E+02	2.97E+02	2.51E+02	2.15E+02
29	6.26E+03	2.10E+03	1.22E+03	7.94E+02	5.72E+02	4.37E+02	3.49E+02	2.87E+02	2.42E+02	2.07E+02
30	6.05E+03	2.01E+03	1.17E+03	7.68E+02	5.52E+02	4.20E+02	3.37E+02	2.78E+02	2.34E+02	2.01E+02
31	5.86E+03	1.92E+03	1.14E+03	7.43E+02	5.35E+02	4.07E+02	3.27E+02	2.69E+02	2.26E+02	1.94E+02
32	5.68E+03	1.83E+03	1.10E+03	7.20E+02	5.18E+02	3.95E+02	3.16E+02	2.60E+02	2.19E+02	1.88E+02
33	5.50E+03	1.75E+03	1.07E+03	6.99E+02	5.02E+02	3.84E+02	3.07E+02	2.52E+02	2.13E+02	1.82E+02
34	5.34E+03	1.67E+03	1.04E+03	6.77E+02	4.88E+02	3.73E+02	2.99E+02	2.45E+02	2.06E+02	1.77E+02
35	5.19E+03	1.64E+03	1.01E+03	6.58E+02	4.74E+02	3.62E+02	2.91E+02	2.38E+02	2.00E+02	1.72E+02
36	5.05E+03	1.57E+03	9.79E+02	6.40E+02	4.61E+02	3.52E+02	2.81E+02	2.31E+02	1.95E+02	1.67E+02
37	4.91E+03	1.54E+03	9.53E+02	6.22E+02	4.48E+02	3.43E+02	2.74E+02	2.25E+02	1.90E+02	1.63E+02
38	4.77E+03	1.49E+03	9.27E+02	6.05E+02	4.36E+02	3.34E+02	2.66E+02	2.19E+02	1.85E+02	1.58E+02
39	4.66E+03	1.45E+03	9.03E+02	5.90E+02	4.25E+02	3.25E+02	2.60E+02	2.14E+02	1.82E+02	1.56E+02
40	4.54E+03	1.41E+03	8.81E+02	5.76E+02	4.14E+02	3.17E+02	2.53E+02	2.08E+02	1.75E+02	1.50E+02
41	4.43E+03	1.37E+03	8.59E+02	5.61E+02	4.04E+02	3.09E+02	2.47E+02	2.03E+02	1.71E+02	1.47E+02
42	4.33E+03	1.33E+03	8.39E+02	5.48E+02	3.95E+02	3.02E+02	2.41E+02	1.98E+02	1.67E+02	1.43E+02
43	4.21E+03	1.30E+03	8.19E+02	5.36E+02	3.86E+02	2.95E+02	2.35E+02	1.94E+02	1.63E+02	1.40E+02
44	4.10E+03	1.26E+03	8.01E+02	5.23E+02	3.77E+02	2.88E+02	2.30E+02	1.89E+02	1.59E+02	1.37E+02
45	4.00E+03	1.23E+03	7.83E+02	5.11E+02	3.68E+02	2.82E+02	2.25E+02	1.85E+02	1.56E+02	1.34E+02
46	3.90E+03	1.20E+03	7.66E+02	5.01E+02	3.60E+02	2.75E+02	2.20E+02	1.81E+02	1.53E+02	1.31E+02
47	3.80E+03	1.17E+03	7.50E+02	4.90E+02	3.53E+02	2.70E+02	2.15E+02	1.77E+02	1.49E+02	1.28E+02
48	3.70E+03	1.14E+03	7.34E+02	4.80E+02	3.45E+02	2.64E+02	2.11E+02	1.74E+02	1.46E+02	1.25E+02
49	3.71E+03	1.13E+03	7.19E+02	4.70E+02	3.38E+02	2.59E+02	2.07E+02	1.70E+02	1.43E+02	1.22E+02
50	3.62E+03	1.10E+03	7.05E+02	4.61E+02	3.32E+02	2.54E+02	2.03E+02	1.67E+02	1.40E+02	1.20E+02

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APPENDIX A VERIFICATION TABLES

VERIFICATION TABLE

GROUND LEVEL RELEASE STABILITY CLASS E

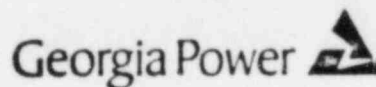
MILLIREM/HOUR PER CURIE/SEC OF IODINE RELEASED

DOWNWIND DISTANCE FROM PLANT

WIND SPEED (MPH)	1 MI	2 MI	3 MI	4 MI	5 MI	6 MI	7 MI	8 MI	9 MI	10 MI
1	1.92E+25	8.71E+24	5.25E+24	4.86E+24	3.12E+24	2.52E+24	2.18E+24	1.79E+24	1.55E+24	1.37E+24
2	9.51E+24	4.45E+24	2.82E+24	2.33E+24	1.56E+24	1.26E+24	1.05E+24	8.94E+23	7.75E+23	6.92E+23
3	6.34E+24	2.97E+24	1.89E+24	1.35E+24	1.04E+24	8.42E+23	6.99E+23	5.96E+23	5.17E+23	4.55E+23
4	4.75E+24	2.23E+24	1.41E+24	1.01E+24	7.81E+23	6.30E+23	5.24E+23	4.47E+23	3.89E+23	3.41E+23
5	4.14E+24	1.89E+24	1.18E+24	8.42E+23	6.45E+23	5.18E+23	4.38E+23	3.65E+23	3.17E+23	2.75E+23
6	3.75E+24	1.72E+24	1.05E+24	7.42E+23	5.64E+23	4.50E+23	3.71E+23	3.15E+23	2.72E+23	2.35E+23
7	3.77E+24	1.55E+24	9.51E+23	6.63E+23	5.03E+23	3.97E+23	3.27E+23	2.74E+23	2.35E+23	2.02E+23
8	3.61E+24	1.45E+24	8.65E+23	5.99E+23	4.50E+23	3.55E+23	2.92E+23	2.46E+23	2.12E+23	1.85E+23
9	3.46E+24	1.36E+24	7.97E+23	5.47E+23	4.05E+23	3.22E+23	2.64E+23	2.22E+23	1.91E+23	1.66E+23
10	3.32E+24	1.27E+24	7.37E+23	5.03E+23	3.74E+23	2.94E+23	2.41E+23	2.02E+23	1.73E+23	1.51E+23
11	3.20E+24	1.20E+24	6.86E+23	4.55E+23	3.45E+23	2.72E+23	2.21E+23	1.84E+23	1.59E+23	1.39E+23
12	2.97E+24	1.12E+24	6.41E+23	4.32E+23	3.26E+23	2.51E+23	2.05E+23	1.71E+23	1.47E+23	1.28E+23
13	2.74E+24	1.04E+24	5.93E+23	4.21E+23	2.97E+23	2.32E+23	1.92E+23	1.59E+23	1.36E+23	1.19E+23
14	2.54E+24	9.63E+23	5.51E+23	3.73E+23	2.75E+23	2.16E+23	1.76E+23	1.48E+23	1.26E+23	1.10E+23
15	2.37E+24	8.97E+23	5.14E+23	3.48E+23	2.57E+23	2.02E+23	1.64E+23	1.38E+23	1.18E+23	1.03E+23
16	2.22E+24	8.43E+23	4.82E+23	3.26E+23	2.41E+23	1.93E+23	1.54E+23	1.29E+23	1.11E+23	9.63E+22
17	2.07E+24	7.93E+23	4.54E+23	3.07E+23	2.27E+23	1.78E+23	1.42E+23	1.18E+23	1.02E+23	8.78E+22
18	1.95E+24	7.49E+23	4.29E+23	2.90E+23	2.15E+23	1.68E+23	1.37E+23	1.15E+23	9.93E+22	8.55E+22
19	1.87E+24	7.10E+23	4.06E+23	2.75E+23	2.03E+23	1.59E+23	1.30E+23	1.09E+23	9.31E+22	8.11E+22
20	1.75E+24	6.74E+23	3.86E+23	2.61E+23	1.93E+23	1.51E+23	1.23E+23	1.03E+23	8.85E+22	7.75E+22
21	1.72E+24	6.42E+23	3.67E+23	2.48E+23	1.84E+23	1.44E+23	1.17E+23	9.84E+22	8.43E+22	7.34E+22
22	1.62E+24	6.10E+23	3.51E+23	2.37E+23	1.76E+23	1.39E+23	1.12E+23	9.39E+22	8.24E+22	7.22E+22
23	1.55E+24	5.86E+23	3.35E+23	2.27E+23	1.65E+23	1.32E+23	1.07E+23	8.98E+22	7.69E+22	6.70E+22
24	1.49E+24	5.62E+23	3.21E+23	2.17E+23	1.61E+23	1.26E+23	1.03E+23	8.61E+22	7.37E+22	6.42E+22
25	1.42E+24	5.37E+23	3.09E+23	2.07E+23	1.54E+23	1.21E+23	9.84E+22	8.27E+22	7.05E+22	6.16E+22
26	1.37E+24	5.19E+23	2.97E+23	2.01E+23	1.49E+23	1.16E+23	9.48E+22	7.95E+22	6.82E+22	5.93E+22
27	1.32E+24	4.99E+23	2.86E+23	1.92E+23	1.43E+23	1.12E+23	9.13E+22	7.65E+22	6.55E+22	5.71E+22
28	1.27E+24	4.81E+23	2.75E+23	1.85E+23	1.38E+23	1.08E+23	8.81E+22	7.38E+22	6.32E+22	5.50E+22
29	1.22E+24	4.65E+23	2.64E+23	1.82E+23	1.33E+23	1.04E+23	8.52E+22	7.13E+22	6.10E+22	5.31E+22
30	1.17E+24	4.49E+23	2.57E+23	1.74E+23	1.29E+23	1.01E+23	8.22E+22	6.99E+22	5.92E+22	5.14E+22
31	1.15E+24	4.35E+23	2.49E+23	1.68E+23	1.25E+23	9.76E+22	7.95E+22	6.67E+22	5.71E+22	4.97E+22
32	1.11E+24	4.21E+23	2.41E+23	1.63E+23	1.21E+23	9.45E+22	7.71E+22	6.46E+22	5.53E+22	4.81E+22
33	1.07E+24	4.09E+23	2.34E+23	1.55E+23	1.17E+23	9.17E+22	7.47E+22	6.26E+22	5.34E+22	4.67E+22
34	1.05E+24	3.97E+23	2.27E+23	1.53E+23	1.14E+23	8.98E+22	7.25E+22	6.05E+22	5.20E+22	4.52E+22
35	1.02E+24	3.85E+23	2.22E+23	1.49E+23	1.10E+23	8.65E+22	7.25E+22	5.90E+22	5.26E+22	4.47E+22
36	9.89E+23	3.74E+23	2.14E+23	1.45E+23	1.07E+23	8.41E+22	6.85E+22	5.74E+22	4.91E+22	4.28E+22
37	9.61E+23	3.64E+23	2.02E+23	1.41E+23	1.04E+23	8.15E+22	6.66E+22	5.58E+22	4.75E+22	4.14E+22
38	9.37E+23	3.55E+23	2.02E+23	1.37E+23	1.02E+23	7.97E+22	6.49E+22	5.44E+22	4.65E+22	4.05E+22
39	9.13E+23	3.46E+23	1.98E+23	1.34E+23	9.92E+22	7.75E+22	6.32E+22	5.32E+22	4.54E+22	3.95E+22
40	8.93E+23	3.37E+23	1.92E+23	1.32E+23	9.66E+22	7.57E+22	6.15E+22	5.17E+22	4.42E+22	3.83E+22
41	8.68E+23	3.29E+23	1.89E+23	1.27E+23	9.42E+22	7.38E+22	6.01E+22	5.04E+22	4.32E+22	3.74E+22
42	8.43E+23	3.21E+23	1.84E+23	1.24E+23	9.22E+22	7.21E+22	5.87E+22	4.92E+22	4.21E+22	3.65E+22
43	8.25E+23	3.14E+23	1.79E+23	1.21E+23	8.98E+22	7.04E+22	5.73E+22	4.81E+22	4.11E+22	3.56E+22
44	8.24E+23	3.06E+23	1.75E+23	1.19E+23	8.75E+22	6.85E+22	5.62E+22	4.72E+22	4.02E+22	3.52E+22
45	7.91E+23	3.02E+23	1.71E+23	1.16E+23	8.58E+22	6.73E+22	5.48E+22	4.59E+22	3.93E+22	3.42E+22
46	7.74E+23	2.93E+23	1.68E+23	1.13E+23	8.42E+22	6.58E+22	5.35E+22	4.49E+22	3.78E+22	3.28E+22
47	7.57E+23	2.87E+23	1.64E+23	1.11E+23	8.23E+22	6.44E+22	5.25E+22	4.40E+22	3.74E+22	3.25E+22
48	7.42E+23	2.81E+23	1.61E+23	1.09E+23	8.05E+22	6.31E+22	5.14E+22	4.31E+22	3.69E+22	3.21E+22
49	7.26E+23	2.75E+23	1.57E+23	1.04E+23	7.85E+22	6.15E+22	5.03E+22	4.22E+22	3.61E+22	3.14E+22
50	7.12E+23	2.70E+23	1.54E+23	1.04E+23	7.72E+22	6.05E+22	4.93E+22	4.13E+22	3.54E+22	3.09E+22

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APPENDIX A VERIFICATION TABLES

VERIFICATION TABLE

GROUND LEVEL RELEASE
STABILITY CLASS F

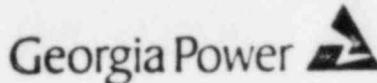
MILLIREM/HOUR PER CURIE/SEC OF IODINE RELEASED

DOSBUILD DISTANCE FROM PLANT

WIND SPEED (MPH)	1 MI	2 MI	3 MI	4 MI	5 MI	6 MI	7 MI	8 MI	9 MI	10 MI
1	3.36E+05	1.70E+05	1.15E+05	8.51E+04	6.83E+04	5.64E+04	4.77E+04	4.15E+04	3.65E+04	3.26E+04
2	1.68E+05	8.50E+04	5.76E+04	4.26E+04	3.42E+04	2.82E+04	2.37E+04	2.07E+04	1.83E+04	1.63E+04
3	1.12E+05	5.70E+04	3.84E+04	2.87E+04	2.28E+04	1.88E+04	1.58E+04	1.38E+04	1.22E+04	1.09E+04
4	8.39E+04	4.26E+04	2.88E+04	2.15E+04	1.71E+04	1.41E+04	1.22E+04	1.04E+04	9.13E+03	8.14E+03
5	7.51E+04	3.74E+04	2.48E+04	1.82E+04	1.42E+04	1.18E+04	9.95E+03	8.59E+03	7.54E+03	6.71E+03
6	7.47E+04	3.54E+04	2.37E+04	1.80E+04	1.39E+04	1.14E+04	9.76E+03	8.38E+03	7.33E+03	6.50E+03
7	7.42E+04	3.34E+04	2.27E+04	1.59E+04	1.18E+04	9.70E+03	7.81E+03	6.80E+03	5.82E+03	5.14E+03
8	7.31E+04	3.10E+04	1.94E+04	1.37E+04	1.02E+04	8.46E+03	7.24E+03	6.32E+03	5.41E+03	4.80E+03
9	7.17E+04	2.92E+04	1.80E+04	1.27E+04	9.44E+03	7.72E+03	6.42E+03	5.44E+03	4.72E+03	4.16E+03
10	7.03E+04	2.80E+04	1.68E+04	1.17E+04	8.87E+03	7.37E+03	6.26E+03	5.36E+03	4.61E+03	4.07E+03
11	6.84E+04	2.67E+04	1.58E+04	1.09E+04	8.24E+03	6.85E+03	5.41E+03	4.58E+03	3.97E+03	3.45E+03
12	5.91E+04	2.45E+04	1.46E+04	1.01E+04	7.63E+03	6.37E+03	5.01E+03	4.24E+03	3.67E+03	3.22E+03
13	5.45E+04	2.26E+04	1.35E+04	9.33E+03	7.24E+03	5.92E+03	4.62E+03	3.92E+03	3.39E+03	2.97E+03
14	5.26E+04	2.12E+04	1.25E+04	8.67E+03	6.54E+03	5.22E+03	4.29E+03	3.54E+03	3.04E+03	2.70E+03
15	4.72E+04	1.94E+04	1.17E+04	8.07E+03	6.12E+03	4.86E+03	4.01E+03	3.39E+03	2.93E+03	2.58E+03
16	4.43E+04	1.84E+04	1.09E+04	7.53E+03	5.72E+03	4.56E+03	3.76E+03	3.18E+03	2.75E+03	2.42E+03
17	4.17E+04	1.73E+04	1.02E+04	7.14E+03	5.37E+03	4.29E+03	3.54E+03	2.99E+03	2.59E+03	2.27E+03
18	3.94E+04	1.63E+04	9.70E+03	6.74E+03	5.09E+03	4.05E+03	3.34E+03	2.83E+03	2.45E+03	2.15E+03
19	3.72E+04	1.55E+04	9.21E+03	6.37E+03	4.82E+03	3.83E+03	3.16E+03	2.68E+03	2.31E+03	2.02E+03
20	3.54E+04	1.47E+04	8.75E+03	6.07E+03	4.58E+03	3.64E+03	3.03E+03	2.55E+03	2.20E+03	1.92E+03
21	3.37E+04	1.40E+04	8.33E+03	5.78E+03	4.36E+03	3.47E+03	2.86E+03	2.42E+03	2.10E+03	1.84E+03
22	3.22E+04	1.34E+04	7.95E+03	5.52E+03	4.16E+03	3.31E+03	2.72E+03	2.31E+03	2.03E+03	1.78E+03
23	3.08E+04	1.28E+04	7.61E+03	5.28E+03	3.98E+03	3.17E+03	2.61E+03	2.21E+03	1.91E+03	1.68E+03
24	2.95E+04	1.22E+04	7.29E+03	5.06E+03	3.82E+03	3.04E+03	2.52E+03	2.12E+03	1.82E+03	1.61E+03
25	2.82E+04	1.16E+04	7.00E+03	4.85E+03	3.66E+03	2.91E+03	2.40E+03	2.04E+03	1.76E+03	1.55E+03
26	2.73E+04	1.10E+04	6.73E+03	4.67E+03	3.52E+03	2.82E+03	2.31E+03	1.96E+03	1.69E+03	1.49E+03
27	2.62E+04	1.05E+04	6.48E+03	4.49E+03	3.39E+03	2.70E+03	2.22E+03	1.89E+03	1.62E+03	1.43E+03
28	2.53E+04	1.00E+04	6.25E+03	4.33E+03	3.27E+03	2.60E+03	2.15E+03	1.82E+03	1.57E+03	1.38E+03
29	2.44E+04	9.81E+03	6.03E+03	4.18E+03	3.16E+03	2.51E+03	2.07E+03	1.74E+03	1.52E+03	1.32E+03
30	2.36E+04	9.77E+03	5.83E+03	4.05E+03	3.05E+03	2.43E+03	2.02E+03	1.70E+03	1.47E+03	1.29E+03
31	2.27E+04	9.40E+03	5.64E+03	3.91E+03	2.95E+03	2.35E+03	1.94E+03	1.64E+03	1.42E+03	1.25E+03
32	2.21E+04	9.18E+03	5.47E+03	3.79E+03	2.86E+03	2.28E+03	1.88E+03	1.59E+03	1.38E+03	1.21E+03
33	2.15E+04	8.92E+03	5.32E+03	3.68E+03	2.77E+03	2.21E+03	1.82E+03	1.54E+03	1.33E+03	1.17E+03
34	2.08E+04	8.64E+03	5.14E+03	3.57E+03	2.69E+03	2.14E+03	1.77E+03	1.50E+03	1.29E+03	1.14E+03
35	2.02E+04	8.40E+03	5.00E+03	3.47E+03	2.62E+03	2.08E+03	1.72E+03	1.45E+03	1.24E+03	1.10E+03
36	1.97E+04	8.16E+03	4.86E+03	3.37E+03	2.54E+03	2.02E+03	1.67E+03	1.41E+03	1.22E+03	1.07E+03
37	1.92E+04	7.94E+03	4.73E+03	3.28E+03	2.47E+03	1.97E+03	1.62E+03	1.38E+03	1.19E+03	1.04E+03
38	1.87E+04	7.73E+03	4.60E+03	3.19E+03	2.41E+03	1.92E+03	1.58E+03	1.34E+03	1.15E+03	1.02E+03
39	1.82E+04	7.53E+03	4.49E+03	3.11E+03	2.35E+03	1.87E+03	1.54E+03	1.31E+03	1.12E+03	9.91E+02
40	1.77E+04	7.35E+03	4.37E+03	3.03E+03	2.29E+03	1.82E+03	1.50E+03	1.27E+03	1.08E+03	9.56E+02
41	1.72E+04	7.17E+03	4.27E+03	2.96E+03	2.23E+03	1.78E+03	1.47E+03	1.24E+03	1.07E+03	9.42E+02
42	1.67E+04	7.00E+03	4.16E+03	2.89E+03	2.18E+03	1.73E+03	1.43E+03	1.21E+03	1.05E+03	9.27E+02
43	1.62E+04	6.82E+03	4.07E+03	2.82E+03	2.13E+03	1.69E+03	1.40E+03	1.19E+03	1.02E+03	8.99E+02
44	1.61E+04	6.63E+03	3.98E+03	2.76E+03	2.08E+03	1.64E+03	1.37E+03	1.16E+03	1.00E+03	8.73E+02
45	1.57E+04	6.50E+03	3.89E+03	2.70E+03	2.03E+03	1.62E+03	1.34E+03	1.14E+03	9.76E+02	8.59E+02
46	1.51E+04	6.37E+03	3.82E+03	2.64E+03	1.99E+03	1.59E+03	1.31E+03	1.11E+03	9.57E+02	8.42E+02
47	1.46E+04	6.25E+03	3.72E+03	2.58E+03	1.95E+03	1.55E+03	1.28E+03	1.08E+03	9.36E+02	8.22E+02
48	1.43E+04	6.12E+03	3.64E+03	2.52E+03	1.91E+03	1.52E+03	1.25E+03	1.05E+03	9.17E+02	8.05E+02
49	1.40E+04	6.02E+03	3.57E+03	2.46E+03	1.87E+03	1.49E+03	1.22E+03	1.04E+03	8.96E+02	7.89E+02
50	1.42E+04	5.89E+03	3.50E+03	2.43E+03	1.83E+03	1.46E+03	1.20E+03	1.02E+03	8.83E+02	7.77E+02

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APPENDIX A VERIFICATION TABLES

VERIFICATION TABLE

GROUND LEVEL RELEASE STABILITY CLASS A

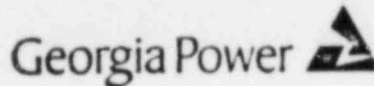
MILLIREM/HOUR PER CURIE/SEC OF NINE GASES RELEASED

DOWNWIND DISTANCE FROM PLANT

SPEED (MPH)	1 MI	2 MI	3 MI	4 MI	5 MI	6 MI	7 MI	8 MI	9 MI	10 MI
1	1.1825	0.5913	0.3942	0.2956	0.2365	0.1971	0.1689	0.1479	0.1314	0.1193
2	0.5913	0.2956	0.1971	0.1479	0.1193	0.0985	0.0852	0.0758	0.0689	0.0635
3	0.3942	0.1971	0.1314	0.0985	0.0758	0.0635	0.0552	0.0491	0.0445	0.0408
4	0.2956	0.1479	0.0985	0.0689	0.0552	0.0491	0.0445	0.0408	0.0376	0.0348
5	0.2365	0.1193	0.0758	0.0552	0.0445	0.0408	0.0376	0.0348	0.0322	0.0299
6	0.1971	0.0985	0.0635	0.0491	0.0408	0.0376	0.0348	0.0322	0.0299	0.0278
7	0.1689	0.0852	0.0552	0.0445	0.0408	0.0376	0.0348	0.0322	0.0299	0.0278
8	0.1479	0.0758	0.0552	0.0445	0.0408	0.0376	0.0348	0.0322	0.0299	0.0278
9	0.1314	0.0689	0.0552	0.0445	0.0408	0.0376	0.0348	0.0322	0.0299	0.0278
10	0.1193	0.0635	0.0552	0.0445	0.0408	0.0376	0.0348	0.0322	0.0299	0.0278
11	0.1125	0.0591	0.0552	0.0445	0.0408	0.0376	0.0348	0.0322	0.0299	0.0278
12	0.1062	0.0552	0.0552	0.0445	0.0408	0.0376	0.0348	0.0322	0.0299	0.0278
13	0.1003	0.0513	0.0552	0.0445	0.0408	0.0376	0.0348	0.0322	0.0299	0.0278
14	0.0948	0.0479	0.0552	0.0445	0.0408	0.0376	0.0348	0.0322	0.0299	0.0278
15	0.0895	0.0445	0.0552	0.0445	0.0408	0.0376	0.0348	0.0322	0.0299	0.0278
16	0.0845	0.0416	0.0552	0.0445	0.0408	0.0376	0.0348	0.0322	0.0299	0.0278
17	0.0798	0.0389	0.0552	0.0445	0.0408	0.0376	0.0348	0.0322	0.0299	0.0278
18	0.0754	0.0364	0.0552	0.0445	0.0408	0.0376	0.0348	0.0322	0.0299	0.0278
19	0.0712	0.0341	0.0552	0.0445	0.0408	0.0376	0.0348	0.0322	0.0299	0.0278
20	0.0672	0.0319	0.0552	0.0445	0.0408	0.0376	0.0348	0.0322	0.0299	0.0278
21	0.0635	0.0299	0.0552	0.0445	0.0408	0.0376	0.0348	0.0322	0.0299	0.0278
22	0.0600	0.0280	0.0552	0.0445	0.0408	0.0376	0.0348	0.0322	0.0299	0.0278
23	0.0567	0.0263	0.0552	0.0445	0.0408	0.0376	0.0348	0.0322	0.0299	0.0278
24	0.0536	0.0248	0.0552	0.0445	0.0408	0.0376	0.0348	0.0322	0.0299	0.0278
25	0.0507	0.0234	0.0552	0.0445	0.0408	0.0376	0.0348	0.0322	0.0299	0.0278
26	0.0480	0.0221	0.0552	0.0445	0.0408	0.0376	0.0348	0.0322	0.0299	0.0278
27	0.0455	0.0209	0.0552	0.0445	0.0408	0.0376	0.0348	0.0322	0.0299	0.0278
28	0.0432	0.0198	0.0552	0.0445	0.0408	0.0376	0.0348	0.0322	0.0299	0.0278
29	0.0410	0.0188	0.0552	0.0445	0.0408	0.0376	0.0348	0.0322	0.0299	0.0278
30	0.0389	0.0179	0.0552	0.0445	0.0408	0.0376	0.0348	0.0322	0.0299	0.0278
31	0.0369	0.0171	0.0552	0.0445	0.0408	0.0376	0.0348	0.0322	0.0299	0.0278
32	0.0350	0.0164	0.0552	0.0445	0.0408	0.0376	0.0348	0.0322	0.0299	0.0278
33	0.0333	0.0157	0.0552	0.0445	0.0408	0.0376	0.0348	0.0322	0.0299	0.0278
34	0.0317	0.0151	0.0552	0.0445	0.0408	0.0376	0.0348	0.0322	0.0299	0.0278
35	0.0302	0.0145	0.0552	0.0445	0.0408	0.0376	0.0348	0.0322	0.0299	0.0278
36	0.0288	0.0140	0.0552	0.0445	0.0408	0.0376	0.0348	0.0322	0.0299	0.0278
37	0.0274	0.0135	0.0552	0.0445	0.0408	0.0376	0.0348	0.0322	0.0299	0.0278
38	0.0261	0.0130	0.0552	0.0445	0.0408	0.0376	0.0348	0.0322	0.0299	0.0278
39	0.0249	0.0125	0.0552	0.0445	0.0408	0.0376	0.0348	0.0322	0.0299	0.0278
40	0.0237	0.0121	0.0552	0.0445	0.0408	0.0376	0.0348	0.0322	0.0299	0.0278
41	0.0226	0.0117	0.0552	0.0445	0.0408	0.0376	0.0348	0.0322	0.0299	0.0278
42	0.0215	0.0113	0.0552	0.0445	0.0408	0.0376	0.0348	0.0322	0.0299	0.0278
43	0.0205	0.0110	0.0552	0.0445	0.0408	0.0376	0.0348	0.0322	0.0299	0.0278
44	0.0195	0.0107	0.0552	0.0445	0.0408	0.0376	0.0348	0.0322	0.0299	0.0278
45	0.0186	0.0104	0.0552	0.0445	0.0408	0.0376	0.0348	0.0322	0.0299	0.0278
46	0.0177	0.0101	0.0552	0.0445	0.0408	0.0376	0.0348	0.0322	0.0299	0.0278
47	0.0169	0.0099	0.0552	0.0445	0.0408	0.0376	0.0348	0.0322	0.0299	0.0278
48	0.0161	0.0096	0.0552	0.0445	0.0408	0.0376	0.0348	0.0322	0.0299	0.0278
49	0.0153	0.0094	0.0552	0.0445	0.0408	0.0376	0.0348	0.0322	0.0299	0.0278
50	0.0146	0.0092	0.0552	0.0445	0.0408	0.0376	0.0348	0.0322	0.0299	0.0278

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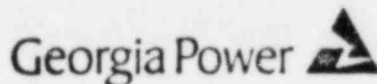
GROUND LEVEL RELEASE
STABILITY CLASS B

MILLIREM/HR PER CURIE/SEC OF NOBLE GASES RELEASED

WIND SPEED (MPH)	DOWNWIND DISTANCE FROM PLANT									
	1 MI	2 MI	3 MI	4 MI	5 MI	6 MI	7 MI	8 MI	9 MI	10 MI
1	0.4764	2.1399	0.9532	0.5367	0.3678	0.3486	0.3486	0.3486	0.3486	0.3486
2	4.2332	1.8708	0.4766	0.2683	0.1839	0.1783	0.1783	0.1783	0.1783	0.1783
3	2.8255	0.7133	0.3177	0.1789	0.1226	0.1135	0.1135	0.1135	0.1135	0.1135
4	2.1191	0.5350	0.2383	0.1342	0.0919	0.0852	0.0852	0.0852	0.0852	0.0852
5	1.6953	0.4258	0.1908	0.1073	0.0736	0.0681	0.0681	0.0681	0.0681	0.0681
6	1.4127	0.3567	0.1589	0.0994	0.0613	0.0568	0.0568	0.0568	0.0568	0.0568
7	1.2189	0.3057	0.1362	0.0767	0.0525	0.0487	0.0487	0.0487	0.0487	0.0487
8	1.0595	0.2675	0.1192	0.0671	0.0468	0.0426	0.0426	0.0426	0.0426	0.0426
9	0.9418	0.2378	0.1059	0.0596	0.0429	0.0378	0.0378	0.0378	0.0378	0.0378
10	0.8476	0.2143	0.0953	0.0537	0.0398	0.0341	0.0341	0.0341	0.0341	0.0341
11	0.7706	0.1945	0.0867	0.0488	0.0354	0.0318	0.0318	0.0318	0.0318	0.0318
12	0.7084	0.1783	0.0794	0.0447	0.0326	0.0294	0.0294	0.0294	0.0294	0.0294
13	0.6578	0.1646	0.0733	0.0413	0.0293	0.0262	0.0262	0.0262	0.0262	0.0262
14	0.6155	0.1529	0.0681	0.0383	0.0263	0.0243	0.0243	0.0243	0.0243	0.0243
15	0.5811	0.1427	0.0635	0.0359	0.0245	0.0227	0.0227	0.0227	0.0227	0.0227
16	0.5529	0.1337	0.0596	0.0335	0.0230	0.0213	0.0213	0.0213	0.0213	0.0213
17	0.5286	0.1259	0.0561	0.0316	0.0216	0.0200	0.0200	0.0200	0.0200	0.0200
18	0.5079	0.1189	0.0533	0.0298	0.0204	0.0189	0.0189	0.0189	0.0189	0.0189
19	0.4881	0.1126	0.0502	0.0282	0.0194	0.0179	0.0179	0.0179	0.0179	0.0179
20	0.4698	0.1070	0.0477	0.0268	0.0184	0.0170	0.0170	0.0170	0.0170	0.0170
21	0.4528	0.1019	0.0454	0.0256	0.0175	0.0162	0.0162	0.0162	0.0162	0.0162
22	0.4369	0.0973	0.0433	0.0244	0.0167	0.0155	0.0155	0.0155	0.0155	0.0155
23	0.4220	0.0930	0.0414	0.0233	0.0158	0.0148	0.0148	0.0148	0.0148	0.0148
24	0.4082	0.0892	0.0397	0.0224	0.0153	0.0142	0.0142	0.0142	0.0142	0.0142
25	0.3951	0.0856	0.0381	0.0215	0.0147	0.0136	0.0136	0.0136	0.0136	0.0136
26	0.3828	0.0823	0.0367	0.0206	0.0141	0.0131	0.0131	0.0131	0.0131	0.0131
27	0.3712	0.0793	0.0353	0.0199	0.0136	0.0126	0.0126	0.0126	0.0126	0.0126
28	0.3602	0.0764	0.0340	0.0192	0.0131	0.0122	0.0122	0.0122	0.0122	0.0122
29	0.3497	0.0738	0.0329	0.0185	0.0127	0.0117	0.0117	0.0117	0.0117	0.0117
30	0.3395	0.0713	0.0318	0.0179	0.0123	0.0114	0.0114	0.0114	0.0114	0.0114
31	0.3296	0.0690	0.0307	0.0173	0.0119	0.0110	0.0110	0.0110	0.0110	0.0110
32	0.3200	0.0669	0.0298	0.0168	0.0115	0.0106	0.0106	0.0106	0.0106	0.0106
33	0.3106	0.0648	0.0289	0.0163	0.0111	0.0103	0.0103	0.0103	0.0103	0.0103
34	0.3015	0.0629	0.0282	0.0158	0.0108	0.0100	0.0100	0.0100	0.0100	0.0100
35	0.2926	0.0611	0.0272	0.0153	0.0105	0.0097	0.0097	0.0097	0.0097	0.0097
36	0.2839	0.0594	0.0265	0.0149	0.0102	0.0095	0.0095	0.0095	0.0095	0.0095
37	0.2754	0.0578	0.0258	0.0145	0.0099	0.0092	0.0092	0.0092	0.0092	0.0092
38	0.2671	0.0563	0.0251	0.0141	0.0097	0.0090	0.0090	0.0090	0.0090	0.0090
39	0.2589	0.0549	0.0244	0.0138	0.0094	0.0087	0.0087	0.0087	0.0087	0.0087
40	0.2508	0.0535	0.0238	0.0134	0.0092	0.0085	0.0085	0.0085	0.0085	0.0085
41	0.2428	0.0522	0.0232	0.0131	0.0090	0.0083	0.0083	0.0083	0.0083	0.0083
42	0.2349	0.0510	0.0227	0.0128	0.0088	0.0081	0.0081	0.0081	0.0081	0.0081
43	0.2271	0.0498	0.0222	0.0125	0.0086	0.0079	0.0079	0.0079	0.0079	0.0079
44	0.2195	0.0486	0.0217	0.0122	0.0084	0.0077	0.0077	0.0077	0.0077	0.0077
45	0.2120	0.0476	0.0212	0.0119	0.0082	0.0076	0.0076	0.0076	0.0076	0.0076
46	0.2046	0.0465	0.0207	0.0117	0.0080	0.0074	0.0074	0.0074	0.0074	0.0074
47	0.1973	0.0455	0.0203	0.0114	0.0078	0.0072	0.0072	0.0072	0.0072	0.0072
48	0.1901	0.0446	0.0199	0.0112	0.0077	0.0071	0.0071	0.0071	0.0071	0.0071
49	0.1830	0.0437	0.0195	0.0110	0.0075	0.0070	0.0070	0.0070	0.0070	0.0070
50	0.1760	0.0428	0.0191	0.0107	0.0074	0.0068	0.0068	0.0068	0.0068	0.0068

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APPENDIX A VERIFICATION TABLES

VERIFICATION TABLE

GROUND LEVEL RELEASE
STABILITY CLASS C

MILLIREMS/HOUR PER CURIE/SEC OF NOBLE GASES RELEASED

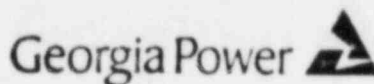
DOWNWIND DISTANCE FROM PLANT

WIND
SPEED
(MPH)

	1 MI	2 MI	3 MI	4 MI	5 MI	6 MI	7 MI	8 MI	9 MI	10 MI
1	18.4241	5.2916	2.5412	1.5891	1.0871	0.7236	0.5472	0.4617	0.4148	0.3768
2	9.2120	2.6458	1.2705	0.7546	0.5036	0.3619	0.2735	0.2309	0.2074	0.1884
3	6.1414	1.7639	0.8471	0.5032	0.3357	0.2412	0.1824	0.1539	0.1383	0.1253
4	4.5868	1.3229	0.6353	0.3773	0.2518	0.1829	0.1368	0.1154	0.1037	0.0942
5	3.6646	1.0583	0.5082	0.3018	0.2014	0.1447	0.1094	0.0923	0.0838	0.0754
6	3.2787	0.9319	0.4235	0.2515	0.1679	0.1286	0.0912	0.0778	0.0691	0.0628
7	2.8323	0.7959	0.3638	0.2156	0.1439	0.1034	0.0782	0.0668	0.0593	0.0538
8	2.5328	0.6615	0.3176	0.1836	0.1259	0.0925	0.0684	0.0577	0.0518	0.0471
9	2.3471	0.5988	0.2824	0.1677	0.1119	0.0804	0.0608	0.0513	0.0461	0.0419
10	2.2124	0.5592	0.2541	0.1509	0.1007	0.0724	0.0547	0.0462	0.0415	0.0377
11	2.0749	0.5181	0.2318	0.1372	0.0916	0.0655	0.0497	0.0428	0.0377	0.0343
12	1.9353	0.4818	0.2118	0.1253	0.0839	0.0603	0.0455	0.0385	0.0346	0.0314
13	1.8172	0.4478	0.1925	0.1161	0.0775	0.0557	0.0421	0.0355	0.0319	0.0288
14	1.7168	0.4168	0.1765	0.1078	0.0719	0.0517	0.0391	0.0338	0.0306	0.0276
15	1.6283	0.3888	0.1624	0.1024	0.0671	0.0482	0.0365	0.0328	0.0297	0.0268
16	1.5515	0.3637	0.1508	0.0943	0.0629	0.0452	0.0342	0.0309	0.0279	0.0251
17	1.4838	0.3413	0.1405	0.0898	0.0592	0.0426	0.0322	0.0287	0.0259	0.0232
18	1.4236	0.3218	0.1312	0.0838	0.0558	0.0402	0.0304	0.0272	0.0246	0.0220
19	1.3697	0.3045	0.1237	0.0794	0.0533	0.0388	0.0293	0.0264	0.0240	0.0216
20	1.3212	0.2896	0.1171	0.0755	0.0504	0.0362	0.0274	0.0248	0.0226	0.0203
21	1.2773	0.2768	0.1118	0.0719	0.0478	0.0345	0.0261	0.0238	0.0218	0.0197
22	1.2375	0.2658	0.1075	0.0686	0.0453	0.0329	0.0249	0.0228	0.0210	0.0191
23	1.2018	0.2561	0.1038	0.0656	0.0438	0.0315	0.0238	0.0220	0.0203	0.0186
24	1.1697	0.2475	0.1005	0.0629	0.0420	0.0302	0.0228	0.0212	0.0197	0.0181
25	1.1408	0.2398	0.0976	0.0604	0.0403	0.0289	0.0219	0.0205	0.0191	0.0177
26	1.1148	0.2330	0.0950	0.0583	0.0387	0.0278	0.0210	0.0200	0.0187	0.0174
27	1.0914	0.2268	0.0924	0.0559	0.0373	0.0268	0.0203	0.0195	0.0183	0.0171
28	1.0698	0.2210	0.0898	0.0537	0.0358	0.0258	0.0195	0.0188	0.0177	0.0166
29	1.0500	0.2156	0.0876	0.0520	0.0347	0.0250	0.0189	0.0183	0.0173	0.0163
30	1.0318	0.2106	0.0857	0.0503	0.0336	0.0241	0.0182	0.0177	0.0168	0.0159
31	1.0148	0.2059	0.0838	0.0487	0.0325	0.0233	0.0177	0.0173	0.0165	0.0156
32	0.9990	0.2015	0.0824	0.0472	0.0315	0.0226	0.0171	0.0168	0.0160	0.0152
33	0.9842	0.1974	0.0810	0.0457	0.0305	0.0219	0.0166	0.0164	0.0156	0.0148
34	0.9702	0.1936	0.0797	0.0444	0.0296	0.0213	0.0161	0.0159	0.0152	0.0144
35	0.9568	0.1901	0.0784	0.0431	0.0288	0.0207	0.0156	0.0155	0.0148	0.0140
36	0.9440	0.1868	0.0772	0.0419	0.0280	0.0201	0.0152	0.0151	0.0144	0.0136
37	0.9318	0.1838	0.0760	0.0408	0.0272	0.0196	0.0148	0.0147	0.0140	0.0132
38	0.9200	0.1810	0.0749	0.0397	0.0265	0.0192	0.0144	0.0143	0.0136	0.0128
39	0.9086	0.1784	0.0738	0.0387	0.0258	0.0186	0.0140	0.0139	0.0132	0.0124
40	0.8976	0.1760	0.0728	0.0377	0.0252	0.0181	0.0137	0.0136	0.0130	0.0122
41	0.8869	0.1737	0.0718	0.0368	0.0246	0.0176	0.0133	0.0132	0.0126	0.0118
42	0.8765	0.1715	0.0708	0.0359	0.0240	0.0172	0.0130	0.0129	0.0123	0.0115
43	0.8664	0.1694	0.0699	0.0351	0.0234	0.0168	0.0127	0.0126	0.0120	0.0112
44	0.8565	0.1674	0.0690	0.0343	0.0227	0.0164	0.0124	0.0123	0.0117	0.0109
45	0.8468	0.1654	0.0682	0.0336	0.0221	0.0161	0.0122	0.0121	0.0115	0.0107
46	0.8373	0.1635	0.0674	0.0328	0.0215	0.0157	0.0119	0.0118	0.0112	0.0104
47	0.8280	0.1616	0.0666	0.0321	0.0210	0.0154	0.0116	0.0115	0.0110	0.0102
48	0.8188	0.1598	0.0658	0.0314	0.0205	0.0151	0.0114	0.0113	0.0108	0.0100
49	0.8098	0.1580	0.0650	0.0307	0.0200	0.0148	0.0112	0.0111	0.0106	0.0098
50	0.8009	0.1563	0.0643	0.0300	0.0195	0.0145	0.0109	0.0108	0.0103	0.0095

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APPENDIX A VERIFICATION TABLES

VERIFICATION TABLE

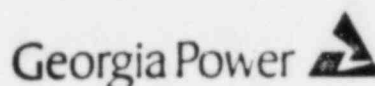
GROUND LEVEL RELEASE
STABILITY CLASS D

MILLIREM/HOUR PER CURIE/SEC OF NUCLE GASES RELEASED

WIND SPEED MPH)	DOWNWIND DISTANCE FROM PLANT									
	1 MI	2 MI	3 MI	4 MI	5 MI	6 MI	7 MI	8 MI	9 MI	10 MI
1	43.7826	17.9298	18.4443	7.8702	5.2871	4.2485	3.2889	2.7142	2.3823	1.9867
2	21.8783	8.7945	5.2222	3.3351	2.6836	2.2442	1.8345	1.3571	1.1512	0.9974
3	14.5935	5.9763	3.4814	2.3567	1.7357	1.3495	1.0896	0.9847	0.7675	0.6622
4	10.7451	4.4822	2.6111	1.7576	1.3318	1.0121	0.8172	0.5736	0.5756	0.4967
5	9.1520	3.6966	2.1265	1.4198	1.0573	0.8223	0.6613	0.5484	0.4648	0.4027
6	8.2378	3.2299	1.8434	1.2334	0.9016	0.6972	0.5628	0.4642	0.3928	0.3332
7	7.5478	2.8745	1.6226	1.0582	0.7867	0.6248	0.4871	0.4026	0.3483	0.2928
8	6.9558	2.5937	1.4524	0.9417	0.6983	0.5375	0.4288	0.3557	0.3034	0.2582
9	6.4555	2.3657	1.3158	0.8672	0.6281	0.4827	0.3884	0.3187	0.2669	0.2213
10	6.0220	2.1765	1.2020	0.7908	0.5718	0.4381	0.3503	0.2887	0.2435	0.2090
11	5.6919	2.0167	1.1075	0.7257	0.5235	0.4012	0.3225	0.2639	0.2224	0.1929
12	5.3222	1.8799	1.0272	0.6713	0.4935	0.3791	0.2954	0.2431	0.2049	0.1757
13	4.9128	1.7615	0.9533	0.6228	0.4484	0.3431	0.2738	0.2253	0.1897	0.1627
14	4.5619	1.6471	0.8949	0.5783	0.4164	0.3196	0.2542	0.2092	0.1762	0.1511
15	4.2578	1.5373	0.8259	0.5398	0.3836	0.2974	0.2373	0.1952	0.1644	0.1412
16	3.9917	1.4149	0.7743	0.5060	0.3643	0.2789	0.2225	0.1838	0.1541	0.1322
17	3.7569	1.3317	0.7287	0.4763	0.3429	0.2624	0.2094	0.1723	0.1451	0.1244
18	3.5482	1.2577	0.6882	0.4498	0.3238	0.2478	0.1977	0.1627	0.1378	0.1175
19	3.3614	1.1915	0.6523	0.4261	0.3018	0.2248	0.1873	0.1541	0.1296	0.1113
20	3.1933	1.1323	0.6194	0.4048	0.2915	0.2233	0.1783	0.1454	0.1233	0.1059
21	3.0413	1.0798	0.5899	0.3855	0.2776	0.2124	0.1695	0.1395	0.1174	0.1027
22	2.9028	1.0298	0.5631	0.3688	0.2658	0.2028	0.1618	0.1331	0.1121	0.0962
23	2.7768	0.9843	0.5386	0.3528	0.2534	0.1939	0.1548	0.1273	0.1072	0.0920
24	2.6611	0.9433	0.5162	0.3373	0.2429	0.1859	0.1483	0.1222	0.1028	0.0881
25	2.5547	0.9056	0.4953	0.3239	0.2332	0.1784	0.1424	0.1171	0.0987	0.0846
26	2.4564	0.8707	0.4765	0.3114	0.2242	0.1716	0.1369	0.1126	0.0949	0.0814
27	2.3654	0.8385	0.4588	0.2999	0.2159	0.1652	0.1318	0.1085	0.0913	0.0784
28	2.2818	0.8085	0.4424	0.2892	0.2082	0.1593	0.1271	0.1046	0.0881	0.0756
29	2.2053	0.7807	0.4272	0.2792	0.2018	0.1538	0.1227	0.1013	0.0858	0.0739
30	2.1359	0.7546	0.4129	0.2699	0.1943	0.1487	0.1186	0.0976	0.0822	0.0705
31	2.0722	0.7303	0.3996	0.2612	0.1868	0.1439	0.1148	0.0945	0.0796	0.0682
32	1.9958	0.7075	0.3871	0.2538	0.1822	0.1394	0.1112	0.0915	0.0771	0.0661
33	1.9254	0.6868	0.3754	0.2453	0.1766	0.1352	0.1079	0.0887	0.0747	0.0641
34	1.8704	0.6659	0.3644	0.2381	0.1714	0.1312	0.1047	0.0861	0.0725	0.0624
35	1.8248	0.6468	0.3548	0.2313	0.1665	0.1274	0.1017	0.0837	0.0705	0.0608
36	1.7741	0.6289	0.3441	0.2249	0.1619	0.1239	0.0969	0.0813	0.0685	0.0593
37	1.7251	0.6119	0.3346	0.2188	0.1575	0.1206	0.0942	0.0791	0.0667	0.0572
38	1.6827	0.5958	0.3268	0.2131	0.1534	0.1174	0.0937	0.0771	0.0649	0.0557
39	1.6376	0.5805	0.3177	0.2076	0.1495	0.1144	0.0913	0.0751	0.0632	0.0542
40	1.5957	0.5652	0.3097	0.2024	0.1457	0.1115	0.0898	0.0732	0.0617	0.0529
41	1.5577	0.5522	0.3022	0.1975	0.1422	0.1088	0.0868	0.0714	0.0602	0.0516
42	1.5226	0.5398	0.2958	0.1929	0.1389	0.1062	0.0847	0.0697	0.0587	0.0504
43	1.4853	0.5285	0.2891	0.1883	0.1356	0.1037	0.0826	0.0681	0.0574	0.0492
44	1.4515	0.5145	0.2816	0.1848	0.1325	0.1014	0.0809	0.0666	0.0561	0.0481
45	1.4193	0.5031	0.2753	0.1799	0.1295	0.0991	0.0791	0.0651	0.0548	0.0478
46	1.3884	0.4922	0.2693	0.1768	0.1267	0.0978	0.0774	0.0637	0.0536	0.0468
47	1.3589	0.4817	0.2636	0.1723	0.1240	0.0949	0.0757	0.0623	0.0525	0.0458
48	1.3326	0.4716	0.2581	0.1687	0.1214	0.0929	0.0742	0.0618	0.0514	0.0441
49	1.3034	0.4623	0.2528	0.1652	0.1198	0.0918	0.0726	0.0608	0.0503	0.0432
50	1.2773	0.4528	0.2478	0.1619	0.1166	0.0892	0.0712	0.0594	0.0493	0.0423

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APPENDIX A VERIFICATION TABLES

VERIFICATION TABLE

GROUND LEVEL RELEASE
STABILITY CLASS E


KILLIPER HOUR PER CURIE/SEC OF NOX GASES RELEASED

DOMINANT DISTANCE FROM PLANT

WIND SPEED (MPH)	1 MI	2 MI	3 MI	4 MI	5 MI	6 MI	7 MI	8 MI	9 MI	10 MI
1	66.8767	31.3218	19.8493	14.2578	10.9667	8.9585	7.3722	6.2538	5.4322	4.8022
2	33.4483	15.6629	9.9247	7.1289	5.4934	4.4293	3.6856	3.1415	2.7261	2.4301
3	22.9669	12.4426	8.6184	6.7526	5.2222	4.2523	3.5577	3.0543	2.6743	2.3881
4	16.7242	7.8504	4.9523	3.9544	3.1467	2.5146	2.0433	1.6778	1.3831	1.2000
5	14.5633	6.6444	4.1552	2.9685	2.2686	1.8218	1.5116	1.2858	1.1129	0.9781
6	13.8782	6.2582	3.7083	2.6884	1.9817	1.5815	1.3061	1.1252	0.9552	0.8375
7	13.2546	5.9671	3.3482	2.3311	1.7592	1.3972	1.1498	0.9711	0.8367	0.7323
8	12.6845	5.7497	3.2519	2.1871	1.5816	1.2514	1.0269	0.8654	0.7443	0.6525
9	12.1616	4.7986	2.6037	1.9224	1.4366	1.1302	0.9278	0.7805	0.6703	0.5852
10	11.6831	4.4781	2.5909	1.7575	1.3159	1.0303	0.8461	0.7187	0.5897	0.5317
11	11.2352	4.2048	2.4115	1.6357	1.2129	0.9531	0.7776	0.6524	0.5591	0.4873
12	10.8293	3.9508	2.2539	1.5221	1.1266	0.8929	0.7194	0.6029	0.5163	0.4497
13	9.6271	3.6461	2.0868	1.4182	1.0446	0.8186	0.6669	0.5589	0.4785	0.4167
14	8.9394	3.3857	1.9378	1.3180	0.9788	0.7681	0.6193	0.5198	0.4443	0.3869
15	8.3435	3.1688	1.8079	1.2227	0.9053	0.7095	0.5768	0.4844	0.4147	0.3611
16	7.8228	2.9625	1.6949	1.1463	0.8487	0.6651	0.5419	0.4541	0.3888	0.3385
17	7.3619	2.7692	1.5952	1.0788	0.7968	0.6268	0.5183	0.4274	0.3659	0.3186
18	6.9529	2.6333	1.5066	1.0189	0.7544	0.5912	0.4817	0.4036	0.3456	0.2989
19	6.5949	2.4947	1.4273	0.9653	0.7147	0.5681	0.4563	0.3824	0.3274	0.2851
20	6.2575	2.3763	1.3559	0.9178	0.6798	0.5321	0.4335	0.3633	0.3118	0.2708
21	5.9596	2.2571	1.2913	0.8733	0.6467	0.5068	0.4128	0.3468	0.2962	0.2579
22	5.6897	2.1545	1.2326	0.8336	0.6173	0.4837	0.3941	0.3382	0.2878	0.2462
23	5.4414	2.0629	1.1788	0.7974	0.5934	0.4627	0.3769	0.3159	0.2705	0.2355
24	5.2147	1.9758	1.1299	0.7642	0.5658	0.4434	0.3612	0.3027	0.2592	0.2257
25	5.0061	1.8968	1.0847	0.7336	0.5432	0.4257	0.3468	0.2936	0.2488	0.2167
26	4.8135	1.8231	1.0438	0.7054	0.5223	0.4093	0.3335	0.2794	0.2393	0.2033
27	4.6353	1.7555	1.0044	0.6793	0.5030	0.3941	0.3211	0.2691	0.2284	0.1986
28	4.4697	1.6928	0.9695	0.6558	0.4858	0.3881	0.3296	0.2795	0.2322	0.1934
29	4.3154	1.6345	0.9351	0.6334	0.4683	0.3678	0.2993	0.2505	0.2145	0.1868
30	4.1717	1.5808	0.9037	0.6113	0.4527	0.3547	0.2899	0.2422	0.2074	0.1805
31	4.0372	1.5278	0.8746	0.5916	0.4381	0.3433	0.2797	0.2344	0.2007	0.1747
32	3.9118	1.4812	0.8474	0.5731	0.4244	0.3326	0.2729	0.2278	0.1944	0.1693
33	3.7925	1.4364	0.8218	0.5558	0.4115	0.3225	0.2627	0.2282	0.1895	0.1641
34	3.6827	1.3941	0.7976	0.5394	0.3994	0.3138	0.2558	0.2137	0.1838	0.1593
35	3.5723	1.3543	0.7748	0.5248	0.3893	0.3041	0.2477	0.2076	0.1777	0.1546
36	3.4754	1.3167	0.7533	0.5095	0.3772	0.2956	0.2408	0.2018	0.1728	0.1505
37	3.3825	1.2811	0.7329	0.4957	0.3678	0.2876	0.2343	0.1964	0.1681	0.1464
38	3.2935	1.2474	0.7136	0.4826	0.3574	0.2808	0.2292	0.1912	0.1637	0.1425
39	3.2072	1.2154	0.6953	0.4703	0.3482	0.2729	0.2223	0.1863	0.1575	0.1389
40	3.1239	1.1858	0.6788	0.4585	0.3395	0.2668	0.2167	0.1816	0.1555	0.1354
41	3.0435	1.1561	0.6614	0.4473	0.3312	0.2596	0.2115	0.1772	0.1517	0.1321
42	2.9759	1.1286	0.6457	0.4367	0.3233	0.2534	0.2054	0.1738	0.1481	0.1293
43	2.9105	1.1023	0.6327	0.4265	0.3158	0.2475	0.2016	0.1698	0.1447	0.1268
44	2.8444	1.0773	0.6163	0.4168	0.3086	0.2419	0.1978	0.1651	0.1414	0.1231
45	2.7812	1.0533	0.6026	0.4076	0.3018	0.2365	0.1927	0.1615	0.1362	0.1204
46	2.7227	1.0304	0.5895	0.3987	0.2952	0.2313	0.1885	0.1579	0.1352	0.1177
47	2.6678	1.0085	0.5778	0.3902	0.2889	0.2264	0.1845	0.1546	0.1324	0.1152
48	2.6173	0.9875	0.5658	0.3821	0.2829	0.2217	0.1806	0.1514	0.1296	0.1128
49	2.5641	0.9673	0.5524	0.3743	0.2771	0.2172	0.1759	0.1463	0.1278	0.1105
50	2.5023	0.9482	0.5424	0.3668	0.2716	0.2128	0.1734	0.1453	0.1244	0.1083

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APPENDIX A VERIFICATION TABLES

VERIFICATION TABLE

GROUND LEVEL RELEASE STABILITY CLASS F

MILLIREM/HOUR PER CURIE/SEC OF NOBLE GASES RELEASED

FEET DOWN	DOWNWIND DISTANCE FROM PLANT									
	1 MI	2 MI	3 MI	4 MI	5 MI	6 MI	7 MI	8 MI	9 MI	10 MI
1	117.9882	12.4957	48.3222	28.2639	24.2261	19.2365	16.8357	14.5855	12.6299	11.4459
2	58.9898	38.0248	28.2511	15.1319	12.2131	9.9183	8.4179	7.2928	6.4194	5.7227
3	39.3265	29.1266	13.5087	18.2879	8.2887	6.6122	5.6119	4.8618	4.2796	3.8153
4	29.4949	15.1824	18.1255	7.5668	6.2865	4.9591	4.2389	3.5464	3.2097	2.8615
5	26.4299	13.1369	8.6623	6.4827	5.8442	4.1429	3.4569	3.2234	2.6389	2.3576
6	26.3463	12.4296	7.9733	5.7929	4.5899	3.6788	3.8683	2.6458	2.3114	2.8482
7	26.8778	11.7481	7.3683	5.2742	4.8692	3.2885	2.7462	2.3487	2.8459	1.6231
8	25.5917	11.0870	6.8192	4.8321	3.6997	2.9758	2.4746	2.1899	1.8334	1.6171
9	25.2267	18.4839	6.3424	4.4528	3.3598	2.7137	2.2581	1.9139	1.6599	1.4617
10	24.7133	9.7261	5.9214	4.1251	3.1241	2.4938	2.8519	1.7584	1.5157	1.3328
11	22.6536	9.3916	5.5482	3.8399	2.8961	2.3245	1.9028	1.6121	1.3941	1.2248
12	23.7858	8.1878	5.1253	3.5555	2.6829	2.1343	1.7689	1.4918	1.2895	1.1324
13	19.1684	7.9467	4.7329	3.2828	2.4784	1.9782	1.6254	1.3778	1.1983	1.0453
14	17.7992	7.3791	4.3929	3.0476	2.2995	1.8294	1.5293	1.2787	1.1053	0.9787
15	16.6126	6.8872	4.1388	2.8444	2.1462	1.7875	1.4887	1.1934	1.3316	0.9060
16	15.5743	6.4567	3.8438	2.6666	2.8121	1.6587	1.3227	1.1188	0.9671	0.8493
17	14.6562	6.2749	3.6177	2.5298	1.8937	1.5866	1.2438	1.0538	0.9182	0.7994
18	13.8439	5.7393	3.4167	2.3783	1.7885	1.4229	1.1739	0.7945	0.8537	0.7558
19	13.1152	5.4372	3.1368	2.2456	1.6944	1.3460	1.1121	0.9422	0.8144	0.7152
20	12.4375	5.1654	3.0758	2.1333	1.6297	1.2926	1.0565	0.8951	0.7737	0.6775
21	11.8662	4.9194	2.9268	2.0317	1.5388	1.2196	1.0262	0.8524	0.7359	0.6471
22	11.3213	4.6958	2.7955	1.9394	1.4533	1.1542	0.9625	0.8137	0.7034	0.6177
23	10.8343	4.4916	2.6739	1.8551	1.3997	1.1136	0.9167	0.7723	0.6728	0.5928
24	10.3829	4.3845	2.5625	1.7773	1.3414	1.0672	0.8824	0.7459	0.6447	0.5562
25	9.9676	4.1323	2.4688	1.7866	1.2877	1.0245	0.8452	0.7163	0.6168	0.5426
26	9.5342	3.9734	2.3654	1.6418	1.2382	0.9951	0.8127	0.6885	0.5952	0.5222
27	9.2292	3.8262	2.2778	1.5882	1.1924	0.9486	0.7826	0.6638	0.5731	0.5033
28	8.9775	3.6876	2.1954	1.5238	1.1498	0.9147	0.7547	0.6393	0.5526	0.4853
29	8.5927	3.5623	2.1037	1.4712	1.1121	0.8932	0.7386	0.6173	0.5336	0.4686
30	8.3263	3.4435	2.0528	1.4222	1.0731	0.8537	0.7044	0.5967	0.5158	0.4528
31	8.3384	3.3325	1.9639	1.3763	1.0385	0.8262	0.6816	0.5775	0.4992	0.4384
32	7.7872	3.2294	1.9219	1.3333	1.0213	0.8384	0.6883	0.5594	0.4836	0.4247
33	7.5512	3.1325	1.8636	1.2929	0.9756	0.7761	0.6483	0.5425	0.4689	0.4118
34	7.3291	3.1385	1.8088	1.2549	0.9469	0.7533	0.6215	0.5265	0.4551	0.3997
35	7.1197	2.9516	1.7571	1.2198	0.9198	0.7318	0.6027	0.5115	0.4421	0.3883
36	6.9219	2.8677	1.7883	1.1852	0.8943	0.7114	0.5873	0.4973	0.4298	0.3775
37	6.7348	2.7921	1.6622	1.1531	0.8781	0.6922	0.5711	0.4838	0.4182	0.3673
38	6.5576	2.7165	1.6184	1.1228	0.8472	0.6748	0.5561	0.4711	0.4072	0.3576
39	6.3875	2.6489	1.5769	1.0948	0.8255	0.6567	0.5418	0.4593	0.3968	0.3484
40	6.2297	2.5827	1.5375	1.0567	0.8049	0.6483	0.5293	0.4475	0.3858	0.3397
41	6.8779	2.5197	1.5028	1.0486	0.7852	0.6247	0.5154	0.4366	0.3774	0.3314
42	5.9331	2.4577	1.4643	1.0159	0.7665	0.6378	0.5331	0.4262	0.3684	0.3226
43	5.7751	2.4825	1.4382	0.9922	0.7487	0.6396	0.4914	0.4163	0.3599	0.3168
44	5.6134	2.3479	1.3977	0.9597	0.7317	0.5821	0.4882	0.4068	0.3517	0.3058
45	5.5375	2.2957	1.3667	0.9481	0.7154	0.5692	0.4696	0.3978	0.3439	0.2982
46	5.4172	2.2438	1.3378	0.9275	0.6999	0.5568	0.4574	0.3872	0.3364	0.2924
47	5.3219	2.1928	1.3085	0.9078	0.6858	0.5449	0.4496	0.3829	0.3302	0.2871
48	5.1914	2.1522	1.2813	0.8869	0.6737	0.5336	0.4482	0.3729	0.3224	0.2831
49	5.0955	2.1383	1.2551	0.8707	0.6578	0.5227	0.4312	0.3653	0.3158	0.2773
50	4.9828	2.0662	1.2380	0.8533	0.6439	0.5122	0.4226	0.3582	0.3095	0.2718

Personnel Dosimetry Program
PROCEDURE TITLE

HNP-8004
PROCEDURE NUMBER

Lab
RESPONSIBLE SECTION

SAFETY RELATED (X)

NON-SAFETY RELATED ()

manual set

HNP-3

PROCEDURE REVISION REQUEST

PROCEDURE NO. HNP- SCOH

SHEET 1 OF 2

Revision No. 15

REQUESTED BY		DEPARTMENT HEAD APPROVAL	
Name:	Date:	Signature:	Date:
<u>Mike Lark</u>	<u>8-1-83</u>	<u>Roger W. Zwickler</u>	<u>8/3/83</u>

REVISION CHANGES MODE OF OPERATION OR INTENT AS DESCRIBED IN FSAR:
☐ Yes ☒ No

CHANGE INVOLVES:

☐ An unreviewed Safety Question ☐ Tech. Specs. ☒ Neither
 (See back for Safety Evaluation if required).

PRESENT STATUS: Safety Related ☒ Non-Safety Related ☐

The above Safety/Non-Safety Status has changed ☐ Yes to N/A

Attach marked up copy of procedure to this form.

REASON FOR REQUEST: Page 2 add requirement to wear
clothing at the WSTF. Because it's
a requirement to enter the building, change
40 m to 5 m. because this is what
we are doing. Page 3, add requirement about

DESCRIPTION OF CHANGES: @ Page 2, add requirement to
wear clothing at the WS-TSF, change 40 m to
5 m. @ Page 3 add note about having a
note signed if you have clothing @ Page 9, change
100 m to 300 m. @ Page 11, delete hi-Luckly requirement
and add safety

PRB RECOMMENDS APPROVAL: ☒ Yes ☐ No Steve Lark
 PRB Secretary

88-147

PRB Number

8-4-83

Date

HNP-9

SAFETY EVALUATION

This revision does not constitute an unreviewed safety question as explained below.

1. The probability of occurrence and the consequences of an accident or malfunction of equipment important to safety are not increased above those analyzed in the FSAR due to this revision because the revision does not change the purpose or performance of the ^{primary} system.

2. The possibility of an accident or malfunction of a different type than analyzed in the FSAR does not result from this revision because the ^{primary} system responds and is operated as before the revision.

3. The margin of safety as defined in the Technical Specifications is not reduced due to this revision because the revision does not change any limited safety system settings which would allow a safety limit to be exceeded or allow a limiting condition for operations to be exceeded as stated in Technical Specifications.

4. The changes made do not violate Tech Specs or FSAR nor are they addressed in Tech Specs or FSAR

PROCEDURE NO. HNP-8604
REVISION NO. 15

REASON FOR REQUEST: Having a note, INPO want tighter control, Page 9, change 100ms to 300ms, so we can do a better discrepancy report, Page 11, add a better method of close scrutiny change the units being done.

DESCRIPTION OF CHANGES: _____

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PERSONNEL DOSIMETRY PROGRAMA. PURPOSE

To describe a procedure for the issuance and use of personnel dosimetry equipment for plant personnel, visitors, and construction workers while within the operating buildings.

B. REFERENCES

Code of Federal Regulations, 10CFR20

A.P.T. Computer Exposure Records System

C. DESCRIPTION OF DOSIMETRY EQUIPMENT

1. Thermoluminescent Dosimeter (TLD Badge)

The TLD Badge is a small badge containing two or more lithium fluoride TLD chips for measuring external beta gamma radiation. These badges are supplied by a TLD badge vendor and will be processed at monthly intervals during normal operations, and at more frequent intervals during maintenance outages or when conditions require. The TLD badge vendor will read and evaluate the badges and report the results to a Laboratory Supervisor. The record of accumulated external radiation exposure received by individuals is obtained principally from the interpretation of the TLD badge.

2. Direct reading pocket dosimeter

The direct reading pocket dosimeter is a pencil shaped ion chamber used primarily to provide day-by-day indication of external gamma radiation exposure. A dosimeter with a range of 0-200 MR is provided for normal use. For special requirements higher range dosimeters will be issued as necessary by the Health Physics staff.

3. Neutron Dosimetry

The Health Physics staff will review the R.W.P.'s each dosimetry period for personnel who may have become exposed to neutron radiation. The TLD badges for these individuals will be mailed to the TLD badge vendor requesting that the badges be read both for beta-gamma exposure and neutron exposure. The report for these badges will be handled the same as in paragraph C.1.

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4. Other

As deemed appropriate the Health Physics staff will issue other personnel monitoring devices, i.e. finger rings, TLD bracelets, chirpers, etc. for monitoring personnel radiation exposure.

D. ISSUANCE OF TLD BADGES AND POCKET DOSIMETERS

1. Prior to issuance of any TLD badge or dosimeter Form 1, TLD BADGE AND DOSIMETER ISSUE must be completed. See Section G. for details.
2. Issuance of any TLD badge may be made only by a member of the Health Physics staff.
3. Issuance of pocket dosimeters may be made only by a member of the Health Physics staff.
4. Prior to entering the operating buildings where radiation exists all individuals assigned TLD badges and dosimeters will pick them up and wear the devices as in Section E. Daily dosimeter reading will be logged as in Section G.
5. Dosimeter and TLD's are also required to be worn at the WS-TSF.

NOTE

Dosimeters that have been used, and then placed in the "OUT" rack, will be re-zeroed prior to the start of the next work day, if a reading of 5 mRem, or greater has been reached.


E. WEARING AND USE OF TLD BADGE AND DOSIMETER

The TLD Badge and dosimeter are to be worn adjacent to each other between the waist and neck on the front part of the body. As per Health Physics discretion, an individual may be instructed to wear the dosimeter and TLD on another part of the body, if it is determined the dose rate at that part of the body is likely to be higher than that between waist and neck. When wearing protective clothing, the TLD badge and dosimeter are clipped inside the breast pocket (Outside pocket) of the coveralls and pocket closed. The TLD badge shall always be worn with the face of the badge facing out. Each individual should examine his dosimeter periodically while in a radiation controlled area. No individual should allow the dosimeter reading to exceed 150 mR or 75% of full scale regardless of any prescribed exposure allowance, without having his dosimeter recharged and reading recorded. Personnel finding self reading dosimeters off-scale shall immediately leave a Radiation Control Area unless involved in controlling an emergency and shall notify the Health Physics manual set

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Staff. The loss of any personnel monitoring device requires the immediate notification to the Health Physics staff and a note signed by a supervisor requesting another TLD badge be issued.

NOTE

If at anytime the dosimeter is dropped or erratic readings are noted by the user, the Health Physics Staff should be notified in order that another dosimeter can be issued if deemed necessary.

F. WEARING AND USE OF EXTREMITY DOSIMETRY

The following criteria should be used for the use of extremity dosimetry:

1. Extremity dosimetry is defined as finger rings, or as per H. P. discretion, TLDs taped to one of the extremities. The extremities of the body are hands, forearms, feet, and ankles.
2. Health Physics shall determine the need for extremity monitoring on an individual job basis. Factors involved in making this determination are dose rates, stay times, etc. Extremity dosimeters will be provided for those individuals requiring this coverage.
3. Guidelines for using extremity dosimetry are as follows:
 - a. When the extremity exposure rate is likely to be four times the whole body exposure rate AND the extremity exposure rate is likely to be > 400 mrem/hr.
 - b. When performing primary systems sampling, manipulating high-intensity calibration sources, or performing any task for which extremity dosimeters are required by H.P.
4. Extremity dosimetry will be issued and returned on a daily basis, unless specified differently by H.P. If personnel need extremity dosimetry more than once a month, they will be issued the same extremity dosimeter (finger ring, etc.) for the duration of the month. Form 5, Extremity Badge Issue Log will be completed as needed.

G. ESTIMATING NEUTRON EXPOSURE

1. Until an individual's TLD is read and the actual neutron exposure determined, an estimate will be generated in the following manner: Form 11, NEUTRON DOSE ESTIMATES will be used to record neutron dose.

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- a. As per survey data, calculate a neutron-to-gamma ratio by dividing the neutron dose rate by the gamma dose rate.
- b. Multiply the neutron-to-gamma ratio times the gamma dose recorded by the pocket dosimeter.
- c. Add this product to the gamma dose to obtain the total whole body exposure.
- d. Example of above method:
 - (1) Gamma dose rate: 60 mR/hr
Neutron dose rate: 30 mR/hr
Dosimeter reading: 80 mR
 - (2) Neutron-to-gamma ratio: $30/60 = 0.5$
 - (3) Estimated neutron dose: $(80 \text{ mR})(0.5) = 40 \text{ mR}$
 - (4) Total whole body dose: $80 \text{ mR} + 40 \text{ mR} = 120 \text{ mR}$
- e. Input the total whole body dose to the computer via DDUDAT Program or use Form 2 of this procedure if the computer is disabled.

H. RADIATION PROTECTION ORIENTATION

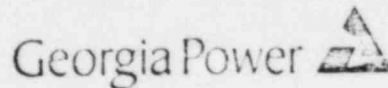
All new employees shall receive a radiation protection orientation prior to their assignment of work in Radiation Control Areas or have an escort by someone who has demonstrated understanding of radiation protection practices and procedures. See HNP-8013. The orientation will cover all pertinent radiation protection practices and procedures to a degree sufficient to allow an employee to perform his assignment without incurring unnecessary radiation exposure or contamination. Each employee will be required to demonstrate an understanding of these procedures prior to being allowed to enter a Radiation Control Area unescorted.

I. PERSONNEL DOSIMETRY RECORDS

1. Form 1, TLD Badge and Dosimeter Issue
 - a. The preparation of this form is the responsibility of the Health Physics Department. The purpose of the form is to record all information required by 10CFR20 for personnel wearing monitoring devices.
 - b. Procedure for recording information on Form 1.

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- (1) The individual shall complete the upper part of the form down to the heavy black line.
- (2) Health Physics Department shall complete the bottom part of the form.
- (3) The form shall be filed and maintained in the dosimetry office until termination.

2. Form 2, Weekly Pocket Dosimeter Record

- a. This form provides a means for recording personnel pocket dosimeter results daily and will assist in evaluating each person's integrated dose to keep exposures as low as reasonably achievable and below exposure limits of 10CFR20.

The form will be used if the computer exposure record system described in I.9 becomes disabled and when visitors are issued dosimeters and TLD's.

b. Procedure for recording information of Form 2

- (1) Form 2 for the current week will be maintained by the Health Physics Staff.
- (2) Separate sheets of Form 2 will be kept for each type of personnel.
- (3) The individual whose name appears on Form 2 will record or have recorded his dosimeter reading on entering the operating buildings (IN BLOCK) and on exiting the operating buildings (OUT BLOCK) at the end of the work day. It will then be calculate or have calculated the indicated exposure by determining the difference between the IN and OUT blocks and will log the result in the NET block.
- (4) The Health Physics staff will log each individual's accumulated quarterly exposure in the QTR block at the beginning of each week.
- (5) The Health Physics staff will determine total daily exposure by adjusting the indicated exposure with exposures determined from Form 3, Dosimeter Re-zero Record and other methods as necessary. These adjustments will be logged in the ADJ. block and will be added to the NET exposure to determine

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the total exposure for the day and recorded in the TOT block.

- (6) The Health Physics staff will determine the accumulated weekly exposure for each individual by summing the TOT block for the day and the WK block for the previous day.
- (7) The Health Physics staff will adjust the quarterly (QTR) exposures to reflect official exposures as determined from the processing of TLD badges during the current quarter.

3. Form 3, Dosimeter Re-Zero Record

This form is used when an individual's pocket dosimeter is re-zeroed while within the operating buildings. DDUDAT cards may be used in lieu of Form 3. The form will be located at each dosimeter charger station. It shall also be used when zeroing special pocket dosimeters as issued by the Health Physics staff (Indicate special in the Remark Column). Exposure data from Form 3 shall be entered on Form 2 or in the computer record system from each individual. See I.2 or I.9 of this procedure.

4. Current TLD Occupational Radiation Exposure Report

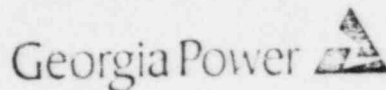
- a. This report will be furnished by the TLD vendor at a frequency based on badge exchange intervals. The report is approved for use in lieu of NRC Form 5.
- b. Results of TLD exposure analysis will be entered into the computer exposure record system on a monthly basis or with greater frequency, as this data is provided by the vendor. Current NRC Form 5 information may be obtained from the computer system at any time on an individual or departmental basis by using the INDDRP or the DDLIST program respectively.

5. Form 4 Replacement Exposure for Lost or Damaged TLD Badge

This form will be completed as necessary to estimate personnel exposure during a period when a TLD badge has been lost or damaged. Exposure determined on this form will be entered on the Current TLD Occupational Radiation Exposure Report through the use of a letter to the TLD vendor as shown in Form 8 and into the computer exposure record system.

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6. Form 5, Extremity Badge Issue Log

Form 5 will be filled out as needed and completed by the end of each month. The extremity dosimeters will be mailed to the vendor at the end of the month for analysis, and the results are supplied by the vendor on the Current TLD Occupational Radiation Exposure Report.

7. Form 6, Request for Employee's Previous Radiation Exposure

A letter shall be written to an employee's previous employer(s) if the employee does not have his previous exposure record and indicates that he may have received occupational radiation exposure while employed there. The letter shall be provided on Georgia Power Company stationary and in the general format as shown on Form 6, Request for Previous Radiation Exposure.

8. Form 7, Report to Former Employees and Visitors of Exposure to Radiation.

On request by former employees a report showing exposure to radiation shall be furnished within 30 days from the time the request is made, or within 30 days after exposure of the individual has been determined, whichever is later. The report shall cover each calendar quarter of the individual's time within the Protected Area involving exposure to radiation or such lesser period as may be requested. The report (Form 7) shall be xeroxed from individual's file and shall be transmitted with a cover letter (form 9) on Georgia Power stationary and in the general format as shown on Employee and Visitor Radiation Exposure Report, Form 9.

When an individual terminates employment or an individual assigned to work in Radiation Control Areas at the Hatch Nuclear Plant, but not employed by Georgia Power, completes his work assignment the individual and the Nuclear Regulatory Commission will receive a report on his exposure to radiation and radioactive material incurred during the period of employment or work assignment. Such report shall be furnished within 30 days after the exposure of the individual has been determined or 90 days after the date of termination of employment or work assignment, whichever is earlier. The report shall be provided on Georgia Power stationary and in the general format as shown on Form 7, Employee and Visitor Radiation Exposure Report. The original report may be obtained by accessing the computer exposure record system using the TERMNS program, or from the Current TLD Occupational Radiation Exposure Report (para. I.4).

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9. Computerized Personnel Exposure Records

- a. A computer for up-dating-personnel exposure data on a day to day basis has been developed. Pocket dosimeters are read by a Health Physics technician and the reading entered in the computer. The computer updates the individual's exposure record to reflect the latest dosimeters reading. Daily, weekly, monthly, quarterly, yearly and life time exposure information is made available to the Health Physic staff, plant supervision, and the individual through the use of various computer printout formats. See APT Automated Personnel Dosimetry Records System Manual.

- b. Schedule of input and output of exposure information via the computer exposure records system.

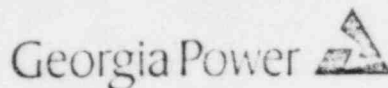
- (1) Daily - Pocket dosimeter will be read on a daily basis.

Entries will be recorded by the computer on a daily basis using the DDUDAT program. Where dosimeters are re-zeroed in the Primary Protected Area, the dose recorded on Form 3 shall also be entered into the computer using the DDUDAT program.

- (2) Weekly - A listing of daily exposures for all personnel on site for each day of the week will be obtained at the end of each week using the DDPRNT program.

- (3) Monthly - The net dose indicated for each worker listed in the "Time Record" section of all Radiation Work Permits issue during a given month shall be entered into the computer exposure record system prior to entry of the TLD data for the respective period, using the CWPUOT program. TLD data will be entered into the computer exposure record system each month using the CLDUOT program as this information is provided by the vendor. Corrective or supplemental TLD data may be entered into the computer exposure record system using the HLDUOT program.

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NOTE

Programming has been established to determine the discrepancy between the TLD and pocket dosimeter. A discrepancy greater than 25% for exposures over 300 mR will be evaluated. An investigation shall be conducted and documented on Form 10, Dose Discrepancy Investigation. The TLD reading will be retained as the record exposure unless the investigation justifies use of pocket dosimeter totals.

Data files will be removed from the TMPDOS exposure record file each month for personnel terminating their stay at the plant whose final TLD data has been provided by the vendor. The TERMS program will be used to accomplish this and will produce the original letter of notification of exposure for the individual, as well as a copy of his final dosimetry file contents.

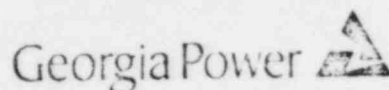
(4) Annual - The NRCRPT program will be run after the TLD results for each year has been entered into the computer. A compilation of information to satisfy 10CFR20 annual reporting requirements will be provided by the program after the exposure information for an entire year has been recorded.

(5) As required The PDFMAK program is utilized to enter new personnel information into the computer exposure records, to add identification or prior exposure information.

The DELETE program is used to transfer a personnel record from the active files to the TMPDOS file at the end of his stay. The record is retained in this file pending receipt of final TLD data from the vendor.

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The "LDUOT program allows the entry of TLD information for individuals at times other than the regular monthly entry of TLD data on a plant basis.

The individual dose reports covering all NRC Form 5 information can be obtained using the INDDRP program.

The DDLIST program can be used to provide on a plant basis the same information that the INDDRP program supplies for a particular individual.

Whenever required, particularly during an outage, the DDPRT program may be utilized to obtain a listing of dose for each day of the current week and the margin between the cumulative exposure and the most restrictive exposure limit, for each person on site.

The Applied Physical Technology Automated Personnel Dosimetry System Instruction Manual may be referenced for information on organization of data files and operation of programs.

10. Form 9, Reply to Request for Previous Radiation Exposure

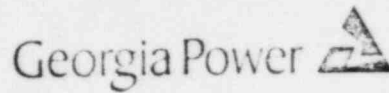
When a request is received by Georgia Power Company from a previous employee or visitor for the purpose of providing his new employer (or facility being visited while in the employment of his new employer) with a record of occupational radiation exposure received at Plant Hatch, Form 9, Reply to Request for Previous Radiation Exposure, shall be used to supply this information.

J. MANAGEMENT REVIEW OF RADIATION EXPOSURE DATA

The H.P. Superintendent will be responsible for preparing a Radiation Exposure Report for the management meeting. As a minimum, the report will consist of a tabulation of exposures by department, including the average dose received per worker and the maximum dose. Also to be included will be a tabulation of exposures on specific maintenance work during the month, if significant work has been performed. Other significant exposure information will be discussed during the meeting as appropriate.

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Daily dose reports are posted in the hallway near C-52 for personnel to review their exposure. Daily dose reports are posted at other entrances during outages to provide contractors dose updates.

In addition to the daily dose reports department heads are also furnished other dose printouts for review.


These printouts provide supervisors as well as workers information on radiation exposure to individual by more efficient worker utilization.

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Georgia Power 

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FORM 1

TLD BADGE AND DOSIMETER ISSUE

<u>TLD BADGE AND DOSIMETER ISSUE</u>		
DATE: _____ 19____ I.D. BADGE NO. _____		
NAME IN FULL (PRINT) _____ FIRST MIDDLE LAST		
SOCIAL SECURITY NO. _____ BIRTH DATE: _____ MONTH DAY YEAR		
HOME ADDRESS: _____ HOME PHONE: () _____ STREET		
CITY STATE ZIP		
JOB CATEGORY	INTRA. PLANT DEPT.	COMPANY
SUPERVISOR &	ENGINEERING ()	GA. PWR CO. PLANT HATCH ()
OFFICE STAFF ()	MAINT. MECH. ()	GA. POWER COMPANY ()
ENG. STAFF ()	MAINT. ELECT. ()	SOUTHERN SERVICES INC. ()
OPERATIONS ()	TEST DEPT. ()	A.O.A. ()
LAD/HR ()	OPERATIONS ()	T & B ()
MAINTENANCE ()	LABORATORY ()	C B & I ()
* OTHER ()	OFFICE ()	* C.E. ()
* PLEASE DESCRIBE:		* CONTRACTOR ()
		* GIVE NAME OF COMPANY:
* Have you worked at or visited a Nuclear Facility other than Hatch in the last three months? * YES () NO ()		
* If YES, what facility _____		
SIGNATURE _____		
Have you been at Plant Hatch in the last three months? YES () NO ()		
If visitor, escort's name _____		
TLD Badge No. _____ NRC Form 4 completed _____		
Authorized Quarterly Exposure _____ mRem*		
Issued By _____		
Reviewed By _____		
<u>NOTE</u>		
If 18 years old limit exposure to 750 mRem/quarter.		
* If current quarter exposure is unknown, limit is 300 mRem.		

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FORM 1

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DOSIMETER RE-ZERO RECORD

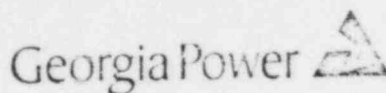
DOSIMETER RE-ZERO RECORD

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FORM 4

REPLACEMENT EXPOSURE FOR LOST TLD BADGE

REPLACEMENT EXPOSURE FOR LOST TLD BADGE

Date: _____ I.D. Badge No.: _____
 Name: _____ TLD No.: _____
 Sec. Sec. No.: _____
 TLD Badge Was: Lost () Damaged () *Other ()
 * If "Other" Explain: _____

First Day of Current TLD Period: _____ TLD Last Worn: _____

DOSE ASSESSMENT

Did Individual enter a radiation area today? Yes () No ()

If "No", complete items 1 and 2; if "Yes" complete all items.

1. Sum of Dosimeter readings recorded during period: _____ mR

2. Source of above Dose Data: HNP-8004, Form 2: _____

DDPRNT: _____ DDUDAT: _____ COMPUTER _____

3. What Radiation areas did the individual enter today?

4. How long was the individual in each area? _____

5. What were the Dose Rates in these areas? _____

6. What RWP No. was the individual working under? _____

7. What exposures were received by others in the area?

Name: _____ Dose: _____ Time in area: _____

Name: _____ Dose: _____ Time in area: _____

8. Based on the above information, what is the individual's estimated exposure for today? _____ mR.

Employee


H.P. Representative

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Georgia Power 

FORM 6

REQUEST FOR PREVIOUS RADIATION EXPOSURE

Georgia Power Company
Post Office Box 439
Baxley, Georgia 31513
Telephone 912 367-7781
912 537-9444


Georgia Power

Edwin I. Hatch Nuclear Plant

DATE: _____

Subject: Radiation Exposure Record

Gentlemen:

The following individual has indicated that he received radiation exposure while working for your organization. We would appreciate receiving copies of your exposure records for this employee.

Name of Employee _____ SS/No _____

Date: _____ (From) _____ (To)

Very truly yours,

Laboratory Foreman


I hereby authorize the release of the above information.

(Signature of Employee)

(Date)

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Georgia Power 

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FORM 7

Georgia Power Company
Post Office Box 439
Baxley, Georgia 31513
Telephone 912 367-7781
912 537-2444



Edwin I. Hatch Nuclear Plant

NAME:

DATE:

ADDRESS:

SS/NO:

SUBJECT: RADIATION EXPOSURE REPORT

DATE OF BIRTH:

DEAR SIR:

PLEASE BE ADVISED THAT WHILE EMPLOYED OR VISITING AT THE EDWIN I. HATCH NUCLEAR PLANT DURING THE FOLLOWING WORK PERIOD(S), YOU RECEIVED THE FOLLOWING EXPOSURE TO IONIZING RADIATION.

DATES MONITORED		RECORDED EXPOSURE (REM)*		
FROM	TO	WHOLE BODY	SKIN	EXTREMITIES

* EXPOSURE DETERMINED BY TLD BADGE UNLESS OTHERWISE NOTED

REMARKS _____

BIO-ASSAY RESULTS: _____

THIS REPORT IS FURNISHED TO YOU UNDER THE PROVISIONS OF THE NUCLEAR REGULATORY COMMISSION REGULATION 10 CFR PART 19. YOU SHOULD PRESERVE THIS REPORT FOR FURTHER REFERENCE.

LABORATORY SUPERVISOR

KC: DIRECTOR, MANAGEMENT AND PROGRAM ANALYSIS
U.S. NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555


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FORM 8

Georgia Power Company
Post Office Box 439
Baxley, Georgia 31513
Telephone 912 367-7781
912 537-9444



Edwin I. Hatch Nuclear Plant

Eberline Instrument Corporation
P. O. Box 2108
Santa Fe, New Mexico 87501

Attention: Dosimetry Services

Gentlemen:

The Georgia Power Company Plant E. I. Hatch TLD Occupational Radiation Exposure Report does (or will) not reflect exposure received by the following person for the indicated period because of lost or damaged TLD badge.

Based on plant exposure records, we estimate the individual's exposure to be:

TLD NO	NAME	S.S. NO.	DATES COVERED	EST. EXPOSURE (REM)		
				W.B.	Skin	Ext
			From:			
			To:			

Please adjust this individual's record to reflect the above estimated exposure.

Yours truly,

Health Physics


cc: Individual's File

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Form 8 R16

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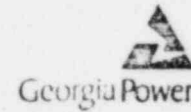
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Georgia Power 

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FORM 9

Georgia Power Company
Post Office Box 439
Baxley, Georgia 31513
Telephone 912 367-7781
912 537-9444



Edwin I. Hatch Nuclear Plant

SUBJECT: RADIATION EXPOSURE REPORT

DEAR SIR,

ATTACHED IS A COPY OF THE EXPOSURE REPORT FURNISHED (NAME) _____
(SSAN) _____ UPON TERMINATION OF VISIT OR EMPLOYMENT AT
PLANT HATCH.

ALL EXPOSURE IS DETERMINED BY TLD BADGE UNLESS OTHERWISE NOTED ON ATTACHED.

THIS REPORT IS FURNISHED TO YOU UNDER THE PROVISIONS OF 10 CFR 19.13.

xc:File

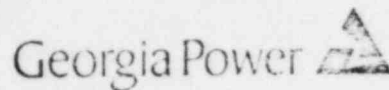
LABORATORY FOREMAN

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FORM 10

DOSE DISCREPANCY INVESTIGATION

DOSE DISCREPANCY INVESTIGATION

Individuals Name: _____/TLD# _____/ID# _____

Period of Exposure _____ to _____

Reported TLD Dose _____mR

Recorded Dosimeter Dose _____mR

INVESTIGATION FINDINGS:*

Investigating Technician(s) _____

Record Exposure Accepted _____mR

Individual's Supv. notified _____/_____

Lab Foreman Review/Date approval _____/_____


Exposure entered into computer by: _____
Name/Date

Eberline notified via Form 8 _____
Name/Date

* Investigation may include the following:

- Survey Results
- Exposure Time
- Doses of other performing similar work.
- Location of devices worn on the body.
- Type of Dosimeter, High Range or Low Range.
- RWP totals.

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NEUTRON DOSE ESTIMATES

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PROCEDURE

HNP-4801

PROCEDURE NUMBER

Lab

RESPONSIBLE SECTION

NON-SAFETY RELATED ()

[illegible]

REVIEWED
39 REGULATORY
COMPLIANCE

WE 7/18/83
PROCEDURE REVISION REQUEST

PROCEDURE NO. HNP-4801
Revision No. 6

SHEET 1 OF 2

REQUESTED BY		DEPARTMENT HEAD APPROVAL	
Name:	Date:	Signature:	Date:
M. Wright	July 19, 1983	W. H. Rosen	7-26-83

REVISION CHANGES MODE OF OPERATION OR INTENT AS DESCRIBED IN FSAR:
() Yes (X) No

CHANGE INVOLVES:
() An unreviewed Safety Question () Tech. Specs. (X) Neither
(See back for Safety Evaluation if required).

PRESENT STATUS: Safety Related (X) Non-Safety Related ()

The above Safety/Non-Safety Status has changed () Yes to _____

Attach marked up copy of procedure to this form.

REASON FOR REQUEST: To address the QA comments in A.I.T.
04766

DESCRIPTION OF CHANGES: General revision to correct capitalization and wording. Some specific changes are: pg 1, correct the reference to FSAR number; pg 2 change 160 mR/hr to 100 mR/hr; change para D.4.2 to add 10 DOB. mR/hr to the whole body count. pg 3 correct capitalization and more.

PRD RECOMMENDS APPROVAL: (X) Yes () No

Steve Jigan
PRD Secretary

83-147

PRD Number

8-4-83
Date

HNP-9

PROCEDURE NO. HNP-4801
REVISION NO. 6REASON FOR REQUEST: To address Q.A. comments in A.L.T.
04766.

DESCRIPTION OF CHANGES: pg 4 add General to Manager, pg 5 change 275 to 375, pg 6 add if necessary and correct titles, pg 7 add if necessary, pg 8 add within 24 hour, add if necessary, change order to HNP-4402 to 424 and 4420, pg 10 change last to end, pg 11 add if necessary, correct capitalization, move step 1 under shift supervisor to step 1 under health physics, add General to Manager. pg 12 correct isotopic, change will to may, add the and an. NOTE pg 13, delete groups, add if necessary change 242 to 424, move step 1 under shift supervisor to step 1 under health physics, add General to Manager, pg 14 correct isotopic and stabilize change will to may, add the and an to first paragraph.

SAFETY EVALUATION

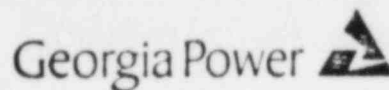
This revision does not constitute an unreviewed safety question as explained below:

1. The probability of occurrence and the consequences of an accident or malfunction of equipment important to safety are not increased above those analyzed in the FSAR due to this revision because the revision does not change the purpose or performance of ^{any} the system. *The procedure only involves the handling of exposed or contaminated personnel.*

2. The possibility of an accident or malfunction of a different type than analyzed in the FSAR does not result from this revision because ~~the~~ ^{all} systems respond and ^{are} ~~is~~ operated as before the revision. *The procedure only involves the handling of exposed or contaminated personnel.*

3. The margin of safety as defined in the Technical Specifications is not reduced due to this revision because the revision does not change any limited safety system settings which would allow a safety limit to be exceeded or allow a limiting condition for operations to be exceeded as stated in Technical Specifications.

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OK

HANDLING EXPOSED AND/OR CONTAMINATED CASUALTIES

A. PURPOSE

To provide procedures for assuring that prompt and effective first aid, medical attention and health physics evaluation is afforded to excessively exposed and/or contaminated casualties.

B. SAFETY

Under all circumstances, unnecessary exposure to radiation should be avoided. Under emergency conditions, the risk of exposure (usually slight) to the rescuer, the first-aid man, or the health physicist, should be balanced against the contribution (usually great) he is making toward the health and safety of the casualty.

C. REFERENCES

HNP-4810

HNP-8006

FSAR, Section 13.5, unit II

10 CFR 20.103.

10 CFR 20.405.

D. DEFINITIONS

For the purposes of this procedure, the following definitions will apply:

1. Serious Injury - Injury warranting off-site medical support.
2. Acute Exposure - Exposure received over a period of 12 consecutive hours or less.
3. Excessive Radiation Exposure - Acute exposure known or suspected to have exceeded the following limits:
 - a. Whole body; head and trunk; active blood forming organs; lens of eye; or gonads - 3 rems.
 - b. Hands and forearms; feet and ankles - 18-3/4 rems;
 - c. Skin of whole body - 7 1/2 rems.

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4. Excessive Radioactive Contamination - Any of the following:
 - a. Detectable radioactivity on or near a wound;
 - b. Radioactivity on exposed skin of individual, measured with beta detecting GM survey meter, shows greater than 10 "mR"/hr at 1" from radioactivity;
 - c. Radioactivity on clothing of individual, measured with beta detecting GM survey meter, shows greater than 100 "mR"/hr. at 1" from radioactivity;
 - d. For purposes of admission to Appling General Hospital - Any external contamination detectable with a beta detecting G.M. survey meter;
 - e. Inhalation or ingestion of radioactivity in quantities known or suspected to exceed 10 D.O.B. as given by the whole body count.
 - f. Inhalation or ingestion of unknown quantities of radioactivity.
5. Off-site Medical Support - Care, treatment and/or consultation provided by Company Medical Consultant, staff of Appling General Hospital, or Radiation Management Corporation.

E. APPLING GENERAL HOSPITAL CONTAMINATION CONTROL POLICY

1. Policy

Appling General Hospital is prepared to provide care and treatment for patients who are externally contaminated with radioactivity in their Radiation Emergency Area only. The hospital defines "external radioactive contamination" as any detectable radioactivity deposited on the outer surface of the patient's body or apparel.


2. Procedure

In conformance with the Appling General Hospital policy, all patients considered for transfer from the plant to the hospital will be monitored by a member of the Health Physics staff. If detectable contamination remains on the patient's body or apparel, the Nurse Shift Supervisor at the hospital will be informed that the incoming patient is "contaminated".

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F. INJURY/EXPOSURE CATEGORIES

1. Excessive Radiation Exposure - No serious injury (See Section H) (Normal Hospital Admission).

NOTE

Monitor the patient for incidental, but detectable contamination. If contamination is detected, he will be admitted through Radiation Emergency Area.

2. Excessive Radioactive Contamination - No serious injury (See Section I) (Admission through Radiation Emergency Area, except if contamination is exclusively internal deposition).
3. Excessive Radiation Exposure and Radioactive Contamination - No Serious Injury (See Section J) (Admission through Radiation Emergency Area, except if contamination is exclusively internal deposition)
4. Excessive Radiation Exposure - With Serious Injury (See Section K) (Normal Hospital Admission)

NOTE

Monitor the patient for incidental, but detectable contamination. If contamination is detected, he will be admitted through Radiation Emergency Area.

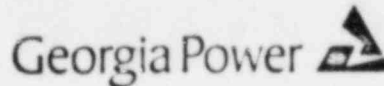
5. Excessive Radioactive Contamination - With Serious Injury (See Section L) (Admission through Radiation Emergency Area, except if contamination is exclusively internal deposition).
6. Excessive Radiation Exposure and Radioactive Contamination with Serious Injury (See Section M). (Admission through Radiation Emergency Area, except if contamination is exclusively internal deposition)

G. GENERAL PROCEDURES

1. In any accident, incident, or unusual occurrence, when there is a reasonable probability that an individual may have been seriously injured, exposed and/or contaminated, provide first aid, then make immediate contact with the Company Physician and Radiation Management Corporation (if radiation is involved). In the event that an individual is known or suspected to have been seriously injured, it is better to summon the ambulance needlessly than to jeopardize a man's life.

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2. All exposure, contamination, or injury incidents, or combinations coming within the scope of this procedure, warrant off-site medical support. In some instances (e.g., a 4 rem whole body exposure) the support may simply consist of telephone consultation with the Company Physician and Radiation Management Corporation. In other instances (e.g., a burn case), the need for support may be far more urgent. Accordingly, the Shift Supervisor will obtain a prompt evaluation of the urgency for off-site medical support.)
3. In all cases covered by this procedure, first priority will always be given to serious injury. After a victim has been removed from a hazardous area, care and treatment for excessive radiation or contamination exposure can be deferred without significant harm to the victim, but failure to administer prompt first aid may jeopardize his life.
4. The Plant General Manager will assure that each accident/incident is investigated, its causes determined, and action taken to prevent its recurrence.
5. After each accident or incident in which first aid or Medical Room supplies were used, the Laboratory Foreman will assure that these supplies are replenished.

H. EXCESSIVE RADIATION EXPOSURE - NOT SERIOUS INJURY

1. Immediate Action

- a. Exposed individual will take immediate action to protect himself from further exposure.
- b. Exposed individual will notify Shift Supervisor without delay.
- c. Shift Supervisor will alert member of the Health Physics staff and direct him to exposed individual.
- d. Member of Health Physics staff will:
 - (1) Attempt to determine nature and degree of radiation exposure by:
 - (a) Discussion with exposed individual;
 - (b) Survey of accident/incident area;
 - (c) Read exposed individual's pocket dosimeter.

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(2) Advise Shift Supervisor of the urgency for medical support.

(3) Allay fear and relax the exposed individual.

2. Follow-up Action

a. Shift Supervisor will notify General Manager, Operations Supervisor and Health Physics Superintendent.

b. The Plant General Manager will:

(1) Notify or authorize notification of Company and Plant Medical Consultants and Radiation Management Corporation.

(2) Immediately notify NRC Regulatory Operations, Region II, by telephone and telegraph if:

(a) Personnel whole body exposures suspected to be 25 rem or more;

(b) Personnel skin exposure is 150 rem or more;

(c) Personnel extremity exposure is 375 rem or more.

(3) Notify NRC Regulatory Operations, Region II, by telephone and telegraph within 24 hours if exposures are 20% of the above values.

(4) Assure report required by 10 CFR 20.405 is sent to NRC within 30 days of accident.

c. Exposed individual will be observed for symptoms, such as nausea, vomiting, fatigue, skin redness, or diarrhea, while awaiting results of consultation between Health Physics staff, Plant and Company Medical Consultants and Radiation Management Corporation.

d. Health Physics staff will send exposed individual's TLD badge to vendor for EMERGENCY processing.

NOTE

There is no need for first aid or for urgent transfer of exposed individual to hospital. If determined by medical consultation that hospitalization is indicated, individual will be transferred to Appling General Hospital. Unless exposed individual has incidental detectable contamination, he will not be admitted through Radiation Emergency Area. Refer to HNP-424 and HNP-4420 for one hour notification to authorities.

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I. EXCESSIVE RADIOACTIVE CONTAMINATION - NO SERIOUS INJURY

1. Immediate Action

- a. Contaminated individual will withdraw from the immediate area of contamination, take elementary steps to decontaminate himself (e.g. remove clothes and wash exposed skin), notify the Shift Supervisor and await member of Health Physics staff.
- b. Shift Supervisor will alert member of the Health Physics staff and will direct him to contaminated individual.
- c. Member of Health Physics staff will:
 - (1) Determine the level of external contamination using a G.M. survey meter.
 - (2) Initiate personnel decontamination procedures (Refer to HNP-8006).
 - (3) Estimate extent of internal contamination by assaying noseblow sample if necessary.
 - (4) Advise Shift Supervisor of the urgency of need for off-site medical support.
 - (5) Recover contaminated individual's personnel dosimeters.

2. Follow-Up Action

- a. Shift Supervisor will notify General Manager, Operations Supervisor and Health Physics Superintendent.
- b. Plant General Manager will:
 - (1) Notify or authorize notification of Company and Plant Consultants and Radiation Management Corporation.
 - (2) Assure that report required by 10 CFR 20.405 (if any) is sent to NRC within 30 days.
- c. Health Physics staff will assure contaminated individual's TLD badge is sent to the vendor for EMERGENCY processing.
- d. Health Physics personnel will perform analyses of contamination to determine its isotopic composition (if internally deposited).

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- e. The Health Physics staff, with assistance from Radiation Management Corporation, will initiate bioassay program to help determine level of internal contamination and to follow its reduction if necessary.
- f. Subsequent treatment to accelerate reduction of internal contamination may result from consultation between Plant and Company Medical Consultants and Radiation Management Corporation.
- g. If contaminated individual is evacuated to hospital, he will be admitted through the Radiation Emergency Area. Refer to HNP-424 and HNP-4420 for notification to authorities within one hour.

J. EXCESSIVE RADIATION EXPOSURE AND RADIOACTIVE CONTAMINATION NO SERIOUS INJURY

1. Immediate Action

- a. Exposed/contaminated individual will protect himself from further exposure/contamination by leaving the hazardous area.
- b. Exposed/contaminated individual will notify Shift Supervisor without delay.
- c. Shift Supervisor will alert member of Health Physics staff and will direct him to exposed/contaminated individual.
- d. Member of Health Physics staff will:
 - (1) Determine the level of external contamination using a G.M. survey meter.
 - (2) Estimate extent of internal contamination by assaying noseblow sample, if necessary.
 - (3) Determine nature and degree of radiation exposure by:
 - (a) Discussion with exposed individual;
 - (b) Survey of accident/incident area;
 - (c) Read exposed individual's pocket dosimeter.
 - (4) Advise Shift Supervisor of the urgency for off-site medical support.

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- (5) Initiate personnel decontamination procedures
(Refer to HNP-8006).

2. Follow-Up Action

- a. Shift Supervisor will notify General Manager, Operations Supervisor and Health Physics Superintendent.
- b. General Manager will:
 - (1) Notify or authorize notification of Company and Plant Consultants and Radiation Management Corporation.
 - (2) Immediately notify NRC Regulatory Operations, Region II, by telephone and telegraph if:
 - (a) Personnel whole body exposure is 25 rem or more;
 - (b) Personnel skin exposure is 150 rem or more;
 - (c) Personnel extremity exposure is 375 rem or more.
 - (3) Notify NRC Regulatory Operations, Region II, by telephone and telegraph within 24 hours if exposures are 20% of the above values.
 - (4) Assure report required by 10 CFR 20.405 is sent to NRC within 30 days of accident.
- c. Exposed individual will be observed for symptoms, such as nausea, vomiting, fatigue, skin redness, or diarrhea, while awaiting results of consultation between Health Physics staff, Plant and Company Medical Consultants and Radiation Management Corporation.
- d. Health Physics staff will send exposed individual's TLD badge to vendor for EMERGENCY processing.
- e. Health Physics personnel will perform analyses of contamination to determine its isotopic composition (if internally deposited).
- f. The Health Physics staff, with assistance from Radiation Management Corporation, will initiate bioassay program to help determine level of internal contamination and to follow its reduction if necessary.

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- g. Subsequent treatment to accelerate reduction of internal contamination may result from consultation between Plant and Company Medical Consultants and Radiation Management Corporation.
- h. If exposed/contaminated individual is evacuated to hospital, he will be admitted through the Radiation Emergency Area. Refer to HNP-424 and HNP-4420 for notification to authorities within one hour.

K. EXCESSIVE RADIATION EXPOSURE - WITH SERIOUS INJURY

1. Immediate Action

- a. First person who becomes aware of a serious injury will notify Shift Supervisor.
- b. Shift Supervisor will alert individual trained in first aid and member of the Health Physics staff and direct them to injured.
- c. Individual trained in first aid and member of Health Physics staff will:
 - (1) Administer first aid consistent with nature and extent of injuries. (Refer to HNP-4810).
 - (2) Advise Shift Supervisor of urgency of need for off-site medical support.
 - (3) Recover injured's personnel dosimetry.
 - (4) Remove injured from area of risk in accordance with HNP-4802.
- d. Shift Supervisor will summon Plant Medical Consultant (Company Physician) and ambulance or, on the advice of the Plant Medical Consultant, will arrange to transport injured to hospital via company or personal vehicle.
- e. Shift Supervisor will inform Nurse Shift Supervisor at Appling General Hospital that an injured individual will be sent to the hospital for treatment.

NOTE

Unless injured has incidental detectable contamination, he will not be admitted through the Radiation Emergency Area. Refer to HNP-424 and HNP-4420 for one hour notification to authorities.

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2. Follow-Up Action

- a. Shift Supervisor will notify General Manager, Operations Supervisor and Health Physics Superintendent.
- b. General Manager will:
 - (1) Notify or authorize notification of Company and Plant Consultants and Radiation Management Corporation.
 - (2) Immediately notify NRC Regulatory Operations, Region II, by telephone and telegraph if:
 - (a) Personnel whole body exposure is 25 rem or more;
 - (b) Personnel skin exposure is 150 rem or more;
 - (c) Personnel extremity exposure is 375 rem or more.
 - (3) Notify NRC Regulatory Operations, Region II, by telephone and telegraph within 24 hours if exposures are 20% of the above values.
 - (4) Assure report required by 10 CFR 20.405 is sent to NRC within 30 days of accident.
- c. The Health Physics staff will:
 - (1) Determine nature and degree of radiation exposure by:
 - (a) Discussion with injured;
 - (b) Survey of accident/incident area;
 - (c) Read exposed individual's pocket dosimeter.
 - (2) Send the injured's TLD badge to the vendor for EMERGENCY processing.


L. EXCESSIVE RADIOACTIVE CONTAMINATION - WITH SERIOUS INJURY

1. Immediate Action:

- a. First person who becomes aware of a serious injury will notify Shift Supervisor.

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- b. Shift Supervisor will alert individual trained in first aid and member of the Health Physics staff and direct them to injured.
- c. Individual trained in first aid and member of Health Physics staff will:
 - (1) Administer first aid consistent with nature and extent of injuries. (Refer to HNP-4810).
 - (2) In accordance with HNP-4802, move injured to Medical Room in Control Building and initiate decontamination procedures (Refer to HNP-8006) while continuing first aid. If injured cannot be moved safely make him comfortable and await arrival of Plant Medical Consultant or ambulance.
 - (3) Advise Shift Supervisor of urgency of need for off-site medical support.
 - (4) Recover injured's personnel dosimetry.
 - (5) Estimate extent of internal contamination by assaying a nose blow sample if necessary.
- d. Shift Supervisor will summon the company physician, ambulance or, on the advice of the physician will arrange to transport injured to Appling General Hospital via company or personal vehicle.
- e. Shift Supervisor will inform nurse shift supervisor at Appling General Hospital.

NOTE

Emphasize that the injury does involve radioactive contamination and that injured is to be admitted to Radiation Emergency Area according to special hospital "Procedures for Handling Radiation Accidents". Refer to HNP-424 and HNP-4420 for one hour notification to authorities.

2. Follow-Up Action:

- a. Shift Supervisor will:
 - (1) Notify General Manager, Operation Supervisor and Health Physics Superintendent.
- b. The Plant General Manager will:

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- (1) Notify or authorize notification of Company Physician and Radiation Management Corporation;
- (2) Assure report required by 10 CFR 20.405 is sent to NRC within 30 days.

c. The Health Physics staff will:

- (1) Assign member(s) of the Health Physics staff to accompany the injured and provide complete health physics support to ambulance and hospital staff.
- (2) Assure injured's TLD badge is sent to vendor for EMERGENCY processing.
- (3) Initiate analysis of samples of contamination to determine its isotopic composition (if internally deposited).
- (4) Be responsible for recovery of all radioactive waste from "Radiation Emergency Area" at Appling General Hospital.

d. When injured's condition has been stabilized, decontamination efforts will be re-initiated so that patient can be moved to conventional part of hospital.

e. Subsequent treatment for internal radioactive contamination may result from consultation between Company Physician and Radiation Management Corporation.

NOTE

Any radioactive material (shrapnel) removed from the injured will be recovered, if feasible, and used as an aid in determining the ultimate exposure suffered by the injured.


M. EXCESSIVE RADIATION EXPOSURE AND RADIOACTIVE CONTAMINATION WITH SERIOUS INJURY

1. Immediate Action

- a. First person who becomes aware of accident/incident will notify Shift Supervisor.
- b. Shift Supervisor will alert individual trained in first aid and member of the Health Physics staff and direct them to injured.

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c. Individual trained in first aid and member of Health Physics staff will:

- (1) Administer first aid consistent with nature and extent of injuries. (Refer to HNP-4810).
- (2) In accordance with HNP-4802, move injured to Medical Room and initiate decontamination procedures (Refer to HNP-8006) while continuing first aid. If injured cannot be moved safely, make him comfortable and await arrival of Plant Medical Consultant or ambulance.
- (3) Advise Shift Supervisor of urgency of need for off-site medical support.
- (4) Recover injured's personnel dosimetry.
- (5) Estimate extent of internal contamination by assaying, a nose blow sample if necessary.

NOTE

Emphasize that the injury does involve radioactive contamination and that injured is to be admitted to Radiation Emergency Area according to special hospital "Procedures for Handling Radiation Accidents". Refer to HNP-424 and HNP-4420 for one hour notification to authorities.

2. Follow-Up Action:

a. Shift Supervisor will:


- (1) Notify General Manager, Operation Supervisor and Health Physics Superintendent.

b. The Plant General Manager will:

- (1) Notify or authorize notification of Company Physician and Radiation Management Corporation;
- (2) Immediately notify NRC Regulatory Operations, Region II, by telephone and telegraph if:
 - (a) Personnel whole body exposure is 25 rem or more;
 - (b) Personnel skin exposure is 150 rem or more;
 - (c) Personnel extremity exposure is 375 rem or more.

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- (3) Notify NRC Regulatory Operations, Region II, by telephone and telegraph within 24 hours if exposures are 20% of the above values.
 - (4) Assure report required by 10 CFR 20.405 is sent to NRC within 30 days.
- c. The Health Physics staff will:
- (1) Assign member of the Health Physics staff to accompany the injured and provide complete health physics support to ambulance and hospital staff.
 - (2) Assure injured's TLD badge is sent to vendor for EMERGENCY processing.
 - (3) Initiate analysis of samples of contamination to determine its isotopic composition.
 - (4) Be responsible for recovery of all radioactive waste from "Radiation Emergency Area" at Appling General Hospital.
 - (5) Determine nature and degree of radiation exposure by:
 - (a) Discussion with injured;
 - (b) Survey of accident/incident area;
 - (c) Read exposed individual's pocket dosimeter.
- d. When injured's condition has been stabilized, decontamination efforts will be re-initiated so that patient can be moved to conventional part of hospital.
- e. Subsequent treatment for internal radioactive contamination may result from consultation between Company Physician and Radiation Management Corporation.
- f. Any radioactive material (shrapnel) removed from the injured will be recovered, if feasible, and used as an aid in determining the ultimate exposure suffered by the injured.

HATCH NUCLEAR PLANT

Drywell Fire
PROCEDURE TITLE

HNP-2-4218
PROCEDURE NUMBER

Engineering
RESPONSIBLE SECTION

SAFETY RELATED (X)

NON-SAFETY RELATED ()

REV.	DESCRIPTION	APPROVED DEPT. HEAD	APPROVED PLANT MANAGER	DATE
2	Page 1	<i>W. A. G. L. H. H. S.</i>	<i>Samuel</i>	8/10/83

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PERCENTAGE REVISION REQUEST

PROCEDURE NO. HNP- 2-4218

SHEET 1 OF 1

Revision No. 1

REQUESTED BY		DEPARTMENT HEAD APPROVAL	
Name: <u>John R. Newville</u>	Date: <u>7/8/83</u>	Signature: <u>Lewis Summer</u>	Date: <u>7-21-83</u>

REVISION CHANGES MODE OF OPERATION OR INTENT AS DESCRIBED IN FSAR:
 () Yes (☒) No

CHANGE INVOLVES:

() An unreviewed Safety Question () Tech.Specs. (☒) Neither
 (See back for Safety Evaluation if required).

PRESENT STATUS: Safety Related (☒) Non-Safety Related ()

The above Safety/Non-Safety Status has changed () Yes to _____

Attach marked up copy of procedure to this form.

REASON FOR REQUEST: DRYWELL FIRE DETECTION PANEL

2243-POOL AND DRYWELL FIRE ANNUNCIATOR ON

PANEL H11-P655 WERE INSTALLED UNDER DCR 78-358

DESCRIPTION OF CHANGES: ADDED ANOTHER ALTERNATIVE

FOR DETERMINING A DRYWELL FIRE, SEC

SECTION A.5.

PRB RECOMMENDS APPROVAL: (☒) Yes () No

J. Lee

PRB Secretary

88-138

PRB Number

7-28-83

Date

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SAFETY EVALUATION

The revision of this procedure does not constitute an unreviewed safety question as explained below.

1. The probability of occurrence and the consequences of an accident or malfunction of equipment important to safety are not increased above those analyzed in the FSAR due to these changes because the revision does not change the purpose or performance of the system.

2. The possibility of an accident or malfunction of a different type than analyzed in the FSAR does not result from this change because the system responds and is operated as before the change.

3. The margin of safety as defined in the Technical Specifications is not reduced due to this revision because the revision does not change any limited safety system settings which would allow a safety limit to be exceeded or to allow a limiting condition for operations to be exceeded as stated in Technical Specifications.

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DRYWELL FIRE

A. CONDITION

1. During normal operation the drywell is inaccessible and may have an inert atmosphere.
2. During shutdown when the inert atmosphere is purged and Maintenance personnel are at work in the drywell, possibly of fire exists.
3. A drywell fire could be identified and reported to the control room by maintenance personnel inside the drywell, or
4. Increased drywell temperatures indicated on temperature recorders 2T47-R626 or R627 could also be indicative of a drywell fire, or
5. A drywell fire annunciator alarms on panel 2Z43-P001 or panel H11-P655.

B. ACTION

1. Confirm that fire exists.
2. Initial response of control room personnel and fire team members should be described in HNP-2-4200 "GENERAL FIRE PROCEDURE".
3. The following action should be taken for a major fire:
 - a. Control room personnel.
 - (1) Dispatch personnel to move portable fire fighting equipment to the drywell entrance.
 - (2) Cease all refueling operations and place reactor mode switch in SHUTDOWN as soon as possible.
 - (3) Prepare RHR system for containment spray mode upon orders by Shift Foreman.
 - b. Fire Team

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- (1) Clear all personnel from drywell except fire fighters.
- (2) Determine if fire is small enough to be handled with hand held extinguishers.
- (3) Fire fighters entering drywell must use self-contained breathing apparatus if fire is not localized.
- (4) Assign one man to keep tally of all personnel inside drywell so that none will be locked in if it becomes necessary to close the drywell.
- (5) Order control room to initiate containment spray if necessary to control fire.
- (6) Clear hoses, cords, cables, and equipment not used for fire fighting from all hatches (include ventilation hatches at top of drywell) in preparation for possible decision to close drywell.
- (7) If fire cannot be controlled, proceed as follows:
 - (a) Clear all personnel from drywell.
 - (b) Order control room personnel to secure all drywell ventilating and purge equipment (2T48-C003, 2T48-F307, 2T48-F319, 2T48-F309, 2T48-F318).
 - (c) Close all drywell hatches to permit fire to burn itself out.
 - (d) Shut down containment spray after drywell is closed.

C. SUBSEQUENT ACTION

1. Monitor drywell pressure and temperatures and vent via SSGTS ducts. Monitor stack radioactivity.
2. Do not re-enter drywell until temperatures have returned to normal.
3. De-energize all electrical circuits before re-entering drywell.
4. Proceed per HNP-2-4200.