Subject Code 004	SOUTH CAROLINA ELECTRIC AND GAS COMPANY CALCULATION RECORD			Page 1 of 115
Calculation Title Short Term Accident X/Qs		Calculation Number DC00040-111	Revision 0	Status
Parent Document ECR 71072	System NA	Safety Class ☐ NN ☐ QR ☒ SR	☐Partial Calc. Revision ☒Complete Calc. Revision	
Originator M. Waselus	Discipline AE	Organization WorleyParsons	Date 12-18-2009	XREF Number NA

CALCULATION INFORMATION

Content Description: The purpose of this calculation is to determine short term accident X/Q values for the EAB and LPZ for subsequent use in accident radiological dose analyses.

Affected Components/Calculations/Documents:
NA

Piping Reconciliation Completed per QA-CAR-0089-18: ☐This Revision ☐ Previous Revision ☒ N/A

Contains Preliminary Data/Assumptions: ☒ No ☐ Yes, Affected Pages: _____

Computer Program Used: ☐ No
☒ Yes, Validated per WorleyParsons (vendors name) computer program validation process (others)
☐ Yes, Validated in accordance with SAP-1040/ES-413 (ref. 3.4 & 3.5)
☐ Yes, Validated [ES-0412]
☐ Computer Program Validation Calculation

VERIFICATION ☐ Continued, Attachment

Scope: The scope of this review/verification is to confirm that the calculation is complete and accurate and in accordance with ES-412 requirements.

Verifier: M. Feehan
Assigned by: E. Toll EB Toll

M Waselus 12-18-2009
Engineering Personnel /Date

Michael J. Feehan 12/16/09
Verifier/Date

Owner's Acceptance Review
D. McCreary
Neal M. McCreary 12/30/09
Responsible Engineer/Date
Required for all engineering work performed by contractor personnel not enrolled in the VCSNS Engineering Training Program

MJC McCreary 1/5/10
Approval/Date

RECORDS
To Records Mgmt: _____
Initials/Date

Distribution: Calc File (Original))

A

SOUTH CAROLINA ELECTRIC & GAS COMPANY
REVISION SUMMARY

Calculation Number
DC00040-111

Revision Number.	Summary Description
0	Initial Issue

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1.0 PURPOSE

The purpose of this analysis is to calculate values for short term accident χ/Q's using the PAVAN (Reference 1) computer code. Values are determined in accordance with USNRC Regulatory Guide 1.145 (Reference 2) for the 0.5% maximum sector χ/Q and the 5% direction independent value. The term χ/Q (sec/m^3) is an expression of the relative dispersion occurring between a source (release) location and a receptor location. This relative dispersion can then be used to determine the expected atmospheric concentration at some defined distance away from the source for a known quantity of effluent released. The receptor locations in this analysis are defined as the VC Summer Unit 1 exclusion area boundary (EAB) and low population zone (LPZ) distances of 1 mile and 3 miles, respectively.

2.0 COMPUTER CODE

WorleyParsons PAVAN-PC Computer Code, Version 0, validated 6/8/2006 based on Reference 1.

3.0 ASSUMPTIONS

None requiring future verification.

1. Ground-level releases include all release points or areas that are lower than 2.5 times the height of the adjacent solids structures (NUREG/CR-2858, Section 4.4). VCS does not include a plant stack, so no release will be 2.5 times the height of the tallest structure.
2. The terrain in the vicinity of the site can be described as gently rolling hills; therefore, the default terrain adjustment factor is used for the annual average calculations.

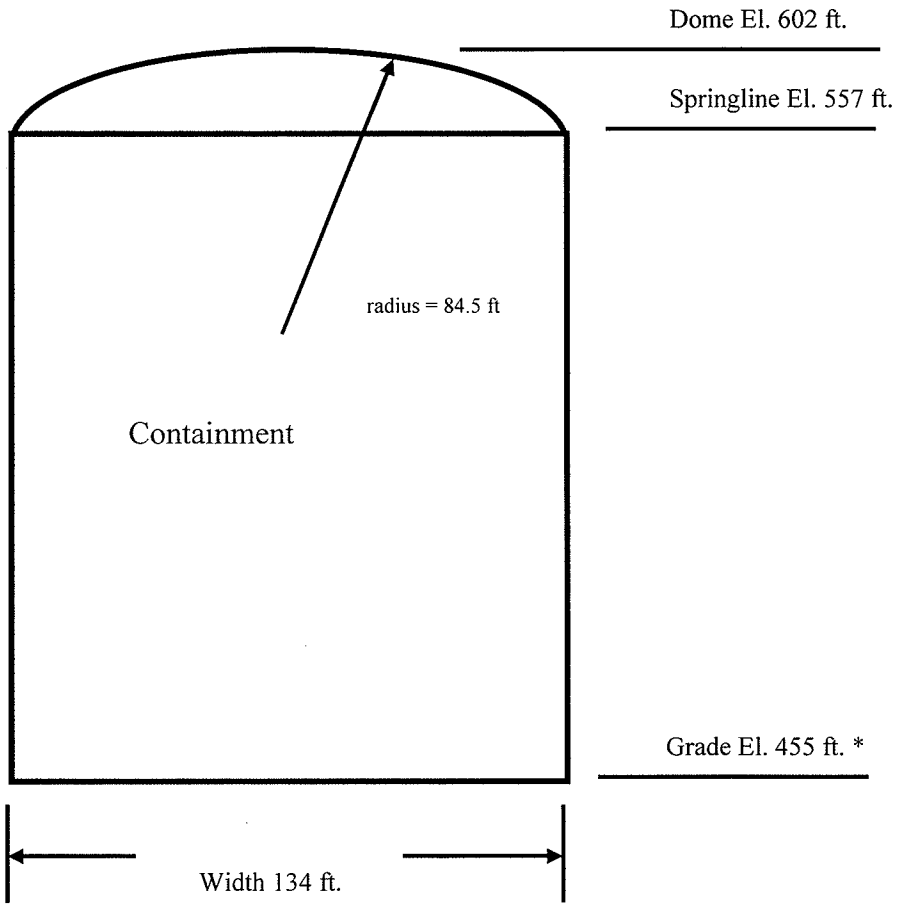
4.0 DESIGN INPUT

The design input is an integral part of the calculation and is referenced as appropriate throughout.

5.0 METHOD

Attachment 1 (Reference 3) provides joint frequency distributions of hourly averages of wind speed for each of the 16 standard azimuthal sectors for the 36 month period from 7/1/2003 to 6/30/2006. This input is entered into the PAVAN-PC code, and the χ/Q values are determined both with and without credit for building wake effects.

The Building Area used is 1740 square meters (Reference 4). The building dimensions used to compute the minimum cross-sectional area are shown in Figure 1.



*This distance is smaller than actual distance (436 feet for grade elevation) which adds to the conservative nature of relative concentration calculations.

Figure 1 – Containment Dimensions Used for Minimum Cross-Sectional Area.

Height = 602 ft – 455 ft = 147 ft or 44.8 meters

PAVAN Input:

The input for the PAVAN-PC code is listed as follows:

Card 1: Control Parameters

KOPT(1)	0	σ_y and σ_z based on Pasquill-Gifford diffusion parameters
KOPT(2)	1	χ/Q values calculated with and without building wake
KOPT(3)	0	do not print calculations for upper envelope curve
KOPT(4)	0	do not print points used in upper envelope curves
KOPT(5)	0	dummy field (not used)
KOPT(6)	0	joint frequency data input in hours
KOPT(7)	0	do not print χ/Q calculations
KOPT(8)	1	distribute CALM array into first windspeed category
KOPT(9)	0	no site specific adjustment factors for annual average calculations
KOPT(10)	1	assume default terrain adjustment factors for average annual χ/Q

Card 2:

TITLD Non Technical Identifying Information

Card 3:

TITLD	Sensor Ht: 10 meters	Height of wind sensors
TITLD	Temp Delta: 10-60	ΔT heights

Card 4:

TITLD Non Technical Identifying Information

Card 5:

TITLD Non Technical Identifying Information

Card 6:

NVEL	12	Number of wind speed categories
NDIS	0	Number of distances with terrain data for each sector

Card 7: (Data provided in Reference 4)

A	1740	Minimum cross sectional building area (m^2)
D	44.8	Height above grade of containment structure (m)
HS	10.0	Effective stack height (m), (10.0 = ground level release default value)
TOWERH	10.0	Height above grade of wind sensors (m)

Card 8: (Data provided in Reference 3)

Since KOPT(8) 1 Distribute CALM array into first wind speed category, values of zero entered.

Card 9: (Values shown in Attachment 1)

Combined joint frequency distributions (JFDs) of wind direction, wind speed (meters / second), and stability for the 10-m level for the Unit 1 tower (July 1, 2003 through June 30, 2006) are provided in Reference 3. Since the wind speed threshold value is very low (0.23 m/s), the number of calm hours for each stability do not appear in the JFDs. PAVAN-PC distributes the calm values into the first wind speed category. The combined frequency distributions for wind speeds higher than 18 m/s are not used because the frequency is zero.

Card 10: (Values shown in Attachment 1)

UCOR -1 Wind speed input as meters/second
UMAX (Values shown in Attachment 1)

Card 11:

BDY Downwind distances by sector: EAB 1 mile (1609 m) LPZ 3 miles (4828m).

Card 12/13/14: Not used

6.0 RESULTS

The resultant χ/Q's from the attached PAVAN-PC output (Attachment 2) are shown as follows.

Downwind Sector	Distance (meters)	0-2 hr χ/Q With Wake sec/m^3 Attachment 2	0-2 hr χ/Q Without Wake sec/m^3 Attachment 2
S	1609	3.21E-05	3.21E-05
SSW	1609	3.15E-05	3.16E-05
SW	1609	2.89E-05	2.89E-05
WSW	1609	2.62E-05	2.62E-05
W	1609	3.21E-05	3.32E-05
WNW	1609	3.01E-05	3.01E-05
NW	1609	4.47E-05	4.47E-05
NNW	1609	8.49E-05	8.69E-05
N	1609	1.07E-04	1.08E-04
NNE	1609	1.07E-04	1.07E-04
NE	1609	1.20E-04	1.20E-04
ENE	**1609**	**1.24E-04**	**1.24E-04**
E	1609	1.22E-04	1.22E-04
ESE	1609	9.21E-05	9.21E-05
SE	1609	5.55E-05	5.55E-05
SSE	1609	3.15E-05	3.15E-05
MAX χ/Q		**1.24E-04**	**1.24E-04**

			Attachment 2				Attachment 2			
Downwind Sector	Distance (meters)	Distance (miles)	0-8 hr χ/Q With Wake sec/m^3	8-24 hr χ/Q With Wake sec/m^3	1-4 d χ/Q With Wake sec/m^3	4-30 d χ/Q With Wake sec/m^3	0-8 hr χ/Q Without Wake sec/m^3	8-24 hr χ/Q Without Wake sec/m^3	1-4 d χ/Q Without Wake sec/m^3	4-30 d χ/Q Without Wake sec/m^3
S	4828	3	3.82E-06	2.64E-06	1.19E-06	3.75E-07	3.85E-06	2.67E-06	1.21E-06	3.88E-07
SSW	4828	3	3.79E-06	2.66E-06	1.23E-06	4.05E-07	3.82E-06	2.69E-06	1.25E-06	4.18E-07
SW	4828	3	3.71E-06	2.68E-06	1.32E-06	4.81E-07	3.73E-06	2.70E-06	1.34E-06	4.92E-07
WSW	4828	3	3.34E-06	2.39E-06	1.15E-06	4.07E-07	3.36E-06	2.41E-06	1.17E-06	4.17E-07
W	4828	3	4.18E-06	2.90E-06	1.31E-06	4.18E-07	4.22E-06	2.94E-06	1.34E-06	4.33E-07
WNW	4828	3	3.58E-06	2.42E-06	1.03E-06	3.02E-07	3.62E-06	2.45E-06	1.06E-06	3.16E-07
NW	4828	3	5.67E-06	3.83E-06	1.63E-06	4.80E-07	5.74E-06	3.90E-06	1.69E-06	5.07E-07
NNW	4828	3	1.31E-05	8.88E-06	3.82E-06	1.13E-06	1.33E-05	9.12E-06	3.99E-06	1.22E-06
N	4828	3	1.80E-05	1.23E-05	5.33E-06	1.61E-06	1.84E-05	1.27E-05	5.63E-06	1.76E-06
NNE	4828	3	1.85E-05	1.27E-05	5.59E-06	1.72E-06	1.89E-05	1.31E-05	5.88E-06	1.87E-06
NE	4828	3	2.28E-05	1.58E-05	7.09E-06	2.25E-06	2.33E-05	1.63E-05	7.48E-06	2.45E-06
ENE	**4828**	**3**	2.36E-05	1.62E-05	7.09E-06	2.17E-06	**2.42E-05**	**1.68E-05**	**7.55E-06**	**2.40E-06**
E	4828	3	2.30E-05	1.57E-05	6.79E-06	2.05E-06	2.36E-05	1.62E-05	7.23E-06	2.27E-06
ESE	4828	3	1.49E-05	9.88E-06	4.04E-06	1.12E-06	1.53E-05	1.02E-05	4.27E-06	1.22E-06
SE	4828	3	7.20E-06	4.83E-06	2.03E-06	5.83E-07	7.33E-06	4.96E-06	2.12E-06	6.26E-07
SSE	4828	3	3.60E-06	2.46E-06	1.08E-06	3.32E-07	3.64E-06	2.50E-06	1.11E-06	3.48E-07
MAX χ/Q							**2.42E-05**	**1.68E-05**	**7.55E-06**	**2.40E-06**

7.0 REFERENCES

1. PAVAN, An Atmospheric Dispersion Program for Evaluating Design Basis Accidental Releases of Radioactive Materials from Nuclear Power Stations, NUREG/CR-2858, November, 1982

2. USNRC Regulatory Guide 1.145, Atmospheric Dispersion Models for Potential Accident Consequence Assessments at Nuclear Power Plants, Revision 1, Reissued 2/1983.

3. Calculation for VC Summer Units 2 & 3, 25242-ENV-008, Revision 2 dated 10/17/2008.

4. Calculation DC00040-079, Revision 1, Atmospheric Dispersion Coefficients for Control Room.

Attachment 1 Joint Frequency Distribution

Calculation Sheet

Project:	V.C. Summer Units 2 & 3	Job Number:	25242
Subject:	PAVAN Estimates for Accidental Releases at the EAB, LPZ, & EPZ	Calc. No.:	25242-ENV-008
By: S. Weinbeck	Date: 9/16/2008	Sheet No.:16 of 51	Sheet Rev.: 002

Table 1 V.C. Summer Unit 1 Tower – 3-Year Joint Frequency Distribution at 10-m.

Joint Frequency Distribution

Hours at Each Wind Speed and Direction

Period of Record = 07/01/03 0:00 - 06/30/06 23:00 Total Period

Elevation: **Speed:** SPD10M **Direction:** DIR10M **Lapse:** DT61M

Stability Class A Delta Temperature Extremely Unstable

Wind Direction (from)	Wind Speed (m/s) 0.22 - 0.50	0.51 - 0.75	0.76 - 1.0	1.1 - 1.5	1.6 - 2.0	2.1 - 3.0	3.1 - 5.0	5.1 - 7.0	7.1 - 10.0	10.1 - 13.0	13.1 - 18.0	> 18.0	Total
N	0	0	0	8	25	37	6	9	2	0	0	0	87
NNE	0	0	0	6	35	37	14	13	4	1	0	0	110
NE	0	0	0	5	24	48	29	29	7	1	0	0	143
ENE	0	0	0	3	5	30	45	15	10	0	0	0	108
E	0	0	0	0	3	16	25	1	0	0	0	0	45
ESE	0	0	0	1	1	10	20	2	0	0	0	0	34
SE	0	0	0	0	1	21	20	3	0	0	0	0	45
SSE	0	0	0	1	7	20	31	7	0	0	0	0	66
S	0	0	0	2	4	13	42	10	5	0	0	0	76
SSW	0	0	0	1	4	61	75	13	1	0	0	0	155
SW	0	0	1	8	26	199	134	11	0	0	0	0	379
WSW	0	0	0	5	44	212	263	34	0	0	0	0	558
W	0	0	1	4	20	46	148	29	1	0	0	0	249
WNW	0	0	0	4	7	35	48	4	0	0	0	0	98
NW	0	0	0	5	7	28	53	8	2	0	0	0	103
NNW	0	0	0	2	20	28	15	5	6	1	0	0	77
Totals	0	0	2	55	233	841	968	193	38	3	0	0	2333

Number of Calm Hours for this Table	0
Number of Variable Direction Hours for this Table	0
Number of Invalid Hours	1066
Number of Valid Hours for this Table	2333
Total Hours for the Period	26304

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Calculation Sheet

Project:	V.C. Summer Units 2 & 3	Job Number:	25242
Subject:	PAVAN Estimates for Accidental Releases at the EAB, LPZ, & EPZ	Calc. No.:	25242-ENV-008
By: S. Weinbeck	Date: 9/16/2008	Sheet No.:17 of 51	Sheet Rev.: 002

Table 1 V.C. Summer Unit 1 Tower – 3-Year Joint Frequency Distribution at 10-m(continued)

Joint Frequency Distribution

Hours at Each Wind Speed and Direction

Period of Record = 07/01/03 0:00 - 06/30/06 23:00 Total Period

Elevation: **Speed:** SPD10M **Direction:** DIR10M **Lapse:** DT61M

Stability Class B Delta Temperature Moderately Unstable

Wind Direction (from)	Wind Speed (m/s) 0.22 - 0.50	0.51 - 0.75	0.76 - 1.0	1.1 - 1.5	1.6 - 2.0	2.1 - 3.0	3.1 - 5.0	5.1 - 7.0	7.1 - 10.0	10.1 - 13.0	13.1 - 18.0	> 18.0	Total
N	0	0	0	6	19	25	22	12	7	0	0	0	91
NNE	0	0	0	6	10	37	13	24	17	2	0	0	109
NE	0	0	0	3	7	37	57	37	18	1	0	0	160
ENE	0	0	0	2	8	23	53	18	8	0	0	0	112
E	0	0	0	2	3	17	30	11	3	0	0	0	66
ESE	0	0	0	1	2	7	16	5	1	0	0	0	32
SE	0	0	0	0	1	17	13	1	0	0	0	0	32
SSE	0	0	1	1	2	14	25	4	1	0	0	0	48
S	0	0	0	1	1	23	50	15	3	0	0	0	93
SSW	0	0	0	4	8	57	64	13	2	0	0	0	148
SW	0	0	0	8	22	85	59	4	0	0	0	0	178
WSW	0	0	0	9	14	90	65	6	0	0	0	0	184
W	0	0	2	3	17	45	61	35	5	0	0	0	168
WNW	0	0	0	2	8	31	45	4	0	0	0	0	90
NW	0	0	0	1	8	34	44	12	9	0	0	0	108
NNW	0	0	0	9	13	23	21	12	7	1	0	0	86
Totals	0	0	3	58	143	565	638	213	81	4	0	0	1705

Number of Calm Hours for this Table	0
Number of Variable Direction Hours for this Table	0
Number of Invalid Hours	1066
Number of Valid Hours for this Table	1705
Total Hours for the Period	26304

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Calculation Sheet

Project:	V.C. Summer Units 2 & 3	Job Number:	25242
Subject:	PAVAN Estimates for Accidental Releases at the EAB, LPZ, & EPZ	Calc. No.:	25242-ENV-008
By: S. Weinbeck	Date: 9/16/2008	Sheet No.:18 of 51	Sheet Rev.: 002

Table 1 V.C. Summer Unit 1 Tower – 3-Year Joint Frequency Distribution at 10-m (continued)

Joint Frequency Distribution

Hours at Each Wind Speed and Direction

Period of Record = 07/01/03 0:00 - 06/30/06 23:00 Total Period

Elevation: **Speed:** SPD10M **Direction:** DIR10M **Lapse:** DT61M

Stability Class C Delta Temperature Slightly Unstable

Wind Direction (from)	Wind Speed (m/s) 0.22 - 0.50	0.51 - 0.75	0.76 - 1.0	1.1 - 1.5	1.6 - 2.0	2.1 - 3.0	3.1 - 5.0	5.1 - 7.0	7.1 - 10.0	10.1 - 13.0	13.1 - 18.0	≥ 18.0	Total
N	0	0	0	9	27	47	39	28	15	2	0	0	167
NNE	0	1	0	7	17	50	43	67	52	1	1	0	239
NE	0	0	0	7	22	65	109	142	62	0	0	0	407
ENE	0	0	0	4	5	28	79	59	22	0	0	0	197
E	0	0	0	1	5	30	30	16	5	0	0	0	87
ESE	0	0	0	1	3	17	24	3	0	0	0	0	48
SE	0	0	0	0	4	25	19	3	0	0	0	0	51
SSE	0	0	0	2	5	26	33	4	2	0	0	0	72
S	0	0	0	1	9	45	50	13	5	0	0	0	123
SSW	0	0	0	4	11	49	53	11	0	0	0	0	128
SW	0	0	0	6	23	71	50	14	0	0	0	0	164
WSW	0	0	1	10	34	66	50	7	1	0	0	0	169
W	0	0	0	4	12	45	70	13	0	0	0	0	144
WNW	0	0	0	6	14	31	35	4	0	0	0	0	90
NW	0	0	0	6	8	32	29	14	3	0	0	0	92
NNW	0	0	0	10	14	28	20	9	11	0	0	0	92
Totals	0	1	1	78	213	655	733	407	178	3	1	0	2270

Number of Calm Hours for this Table	0
Number of Variable Direction Hours for this Table	0
Number of Invalid Hours	1066
Number of Valid Hours for this Table	2270
Total Hours for the Period	26304

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Calculation Sheet

Project:	V.C. Summer Units 2 & 3	Job Number:	25242
Subject:	PAVAN Estimates for Accidental Releases at the EAB, LPZ, & EPZ	Calc. No.:	25242-ENV-008
By: S. Weinbeck	Date: 9/16/2008	Sheet No.:19 of 51	Sheet Rev.: 002

Table 1 V.C. Summer Unit 1 Tower – 3-Year Joint Frequency Distribution at 10-m (continued)

Joint Frequency Distribution

Hours at Each Wind Speed and Direction

Period of Record = 07/01/03 0:00 - 06/30/06 23:00 Total Period

Elevation: **Speed:** SPD10M **Direction:** DIR10M **Lapse:** DT61M

Stability Class D Delta Temperature Neutral

Wind Direction (from)	Wind Speed (m/s) 0.22 - 0.50	0.51 - 0.75	0.76 - 1.0	1.1 - 1.5	1.6 - 2.0	2.1 - 3.0	3.1 - 5.0	5.1 - 7.0	7.1 - 10.0	10.1 - 13.0	13.1 - 18.0	≥ 18.0	Total
N	0	1	7	32	50	107	140	95	34	4	0	0	470
NNE	0	1	2	31	55	136	211	217	89	2	0	0	744
NE	1	0	3	19	39	159	508	573	108	3	0	0	1413
ENE	0	0	1	7	21	157	564	319	49	1	0	0	1119
E	0	0	1	8	29	179	310	91	8	0	0	0	626
ESE	0	0	0	5	16	119	118	16	1	0	0	0	275
SE	0	0	0	8	26	138	113	16	1	0	0	0	302
SSE	0	1	3	24	32	166	165	21	7	0	0	0	419
S	0	0	3	28	43	128	184	44	21	0	0	0	451
SSW	0	0	5	30	62	165	198	56	5	1	0	0	522
SW	0	2	9	43	70	253	216	29	0	0	0	0	622
WSW	0	5	11	46	84	215	170	18	0	0	0	0	549
W	0	2	9	54	65	188	232	64	3	0	0	0	617
WNW	0	4	11	37	52	93	61	13	0	0	0	0	271
NW	0	1	6	20	35	108	103	33	5	1	0	0	312
NNW	0	3	7	24	18	74	102	58	36	1	0	0	323
Totals	1	20	78	416	697	2385	3395	1663	367	13	0	0	9035

Number of Calm Hours for this Table	0
Number of Variable Direction Hours for this Table	0
Number of Invalid Hours	1066
Number of Valid Hours for this Table	9035
Total Hours for the Period	26304

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Calculation Sheet

Project:	V.C. Summer Units 2 & 3	Job Number:	25242
Subject:	PAVAN Estimates for Accidental Releases at the EAB, LPZ, & EPZ	Calc. No.:	25242-ENV-008
By: S. Weinbeck	Date: 9/16/2008	Sheet No.:20 of 51	Sheet Rev.: 002

Table 1 V.C. Summer Unit 1 Tower – 3-Year Joint Frequency Distribution at 10-m (continued)

Joint Frequency Distribution

Hours at Each Wind Speed and Direction

Period of Record = 07/01/03 0:00 - 06/30/06 23:00 Total Period

Elevation: **Speed:** SPD10M **Direction:** DIR10M **Lapse:** DT61M

Stability Class E Delta Temperature Slightly Stable

Wind Direction (from)	Wind Speed (m/s) 0.22 - 0.50	0.51 - 0.75	0.76 - 1.0	1.1 - 1.5	1.6 - 2.0	2.1 - 3.0	3.1 - 5.0	5.1 - 7.0	7.1 - 10.0	10.1 - 13.0	13.1 - 18.0	> 18.0	Total
N	0	1	4	21	23	49	38	5	2	0	0	0	143
NNE	0	1	1	16	22	64	28	1	1	0	0	0	134
NE	0	2	4	15	23	49	31	9	0	0	0	0	133
ENE	0	0	2	14	20	41	47	3	0	0	0	0	127
E	0	0	2	10	30	103	88	3	0	0	0	0	236
ESE	0	0	2	14	29	75	38	0	0	0	0	0	158
SE	0	1	2	14	28	126	58	5	2	0	0	0	236
SSE	0	0	4	23	91	250	88	3	0	0	0	0	459
S	0	4	10	70	85	259	127	8	2	0	0	0	565
SSW	1	2	10	77	129	434	173	7	1	0	0	0	834
SW	0	2	13	119	213	467	120	2	0	0	0	0	936
WSW	1	3	9	99	145	301	104	2	0	0	0	0	664
W	0	2	11	69	90	361	123	7	0	0	0	0	663
WNW	1	6	10	54	53	110	15	0	0	0	0	0	249
NW	0	2	8	26	30	72	29	1	0	0	0	0	168
NNW	0	0	6	15	14	49	40	5	2	0	0	0	131
Totals	3	26	98	656	1025	2810	1147	61	10	0	0	0	5836

Number of Calm Hours for this Table	0
Number of Variable Direction Hours for this Table	0
Number of Invalid Hours	1066
Number of Valid Hours for this Table	5836
Total Hours for the Period	26304

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Calculation Sheet

Project:	V.C. Summer Units 2 & 3	Job Number:	25242
Subject:	PAVAN Estimates for Accidental Releases at the EAB, LPZ, & EPZ	Calc. No.:	25242-ENV-008
By: S. Weinbeck	Date: 9/16/2008	Sheet No.:21 of 51	Sheet Rev.: 002

Table 1 V.C. Summer Unit 1 Tower – 3-Year Joint Frequency Distribution at 10-m (continued)

Joint Frequency Distribution

Hours at Each Wind Speed and Direction

Period of Record = 07/01/03 0:00 - 06/30/06 23:00 Total Period

Elevation: **Speed:** SPD10M **Direction:** DIR10M **Lapse:** DT61M

Stability Class F Delta Temperature Moderately Stable

Wind Direction (from)	Wind Speed (m/s) 0.22 - 0.50	0.51 - 0.75	0.76 - 1.0	1.1 - 1.5	1.6 - 2.0	2.1 - 3.0	3.1 - 5.0	5.1 - 7.0	7.1 - 10.0	10.1 - 13.0	13.1 - 18.0	≥ 18.0	Total
N	0	1	0	4	9	15	3	0	0	0	0	0	32
NNE	0	0	1	5	6	12	0	0	0	0	0	0	24
NE	0	2	0	2	6	11	1	0	0	0	0	0	22
ENE	0	0	0	5	5	7	0	0	0	0	0	0	17
E	0	0	1	5	7	5	1	0	0	0	0	0	19
ESE	0	1	0	4	4	2	3	0	0	0	0	0	14
SE	0	1	1	16	11	41	13	0	0	0	0	0	83
SSE	1	1	5	26	57	177	54	0	0	0	0	0	321
S	0	6	7	56	72	195	33	0	0	0	0	0	369
SSW	1	0	8	36	71	171	19	0	0	0	0	0	306
SW	0	5	9	60	119	186	5	0	0	0	0	0	384
WSW	0	1	21	49	83	115	2	0	0	0	0	0	271
W	1	4	11	63	52	122	6	0	0	0	0	0	259
WNW	0	4	10	46	34	55	3	0	0	0	0	0	152
NW	0	0	6	14	23	30	2	0	0	0	0	0	75
NNW	0	1	2	13	5	6	3	0	0	0	0	0	30
Totals	3	27	82	404	564	1150	148	0	0	0	0	0	2378

Number of Calm Hours for this Table	0
Number of Variable Direction Hours for this Table	0
Number of Invalid Hours	1066
Number of Valid Hours for this Table	2378
Total Hours for the Period	26304

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Calculation Sheet

Project:	V.C. Summer Units 2 & 3	Job Number:	25242
Subject:	PAVAN Estimates for Accidental Releases at the EAB, LPZ, & EPZ	Calc. No.:	25242-ENV-008
By: S. Weinbeck	Date: 9/16/2008	Sheet No.:22 of 51	Sheet Rev.: 002

Table 1 V.C. Summer Unit 1 Tower – 3-Year Joint Frequency Distribution at 10-m (continued)

Joint Frequency Distribution

Hours at Each Wind Speed and Direction

Period of Record = 07/01/03 0:00 - 06/30/06 23:00 Total Period

Elevation: **Speed:** SPD10M **Direction:** DIR10M **Lapse:** DT61M

Stability Class G Delta Temperature Extremely Stable

Wind Direction (from)	0.22 - 0.50	0.51 - 0.75	0.76 - 1.0	1.1 - 1.5	1.6 - 2.0	2.1 - 3.0	3.1 - 5.0	5.1 - 7.0	7.1 - 10.0	10.1 - 13.0	13.1 - 18.0	> 18.0	Total
	Wind Speed (m/s)												
N	0	0	0	4	0	1	0	0	0	0	0	0	5
NNE	0	0	1	3	1	4	0	0	0	0	0	0	9
NE	0	0	0	0	1	3	0	0	0	0	0	0	4
ENE	0	0	2	1	1	0	0	0	0	0	0	0	4
E	0	0	0	4	0	5	1	0	0	0	0	0	10
ESE	0	1	1	3	2	3	0	0	0	0	0	0	10
SE	0	2	3	3	1	7	0	0	0	0	0	0	16
SSE	0	0	2	15	13	58	7	0	0	0	0	0	95
S	0	4	9	51	41	86	4	0	0	0	0	0	195
SSW	0	2	9	63	37	83	2	1	0	0	0	0	197
SW	1	4	23	98	54	101	1	0	0	0	0	0	282
WSW	0	2	27	138	82	105	0	0	0	0	0	0	354
W	1	5	17	126	81	92	1	0	0	0	0	0	323
WNW	1	1	11	48	25	33	0	0	0	0	0	0	119
NW	0	1	8	11	10	16	0	0	0	0	0	0	46
NNW	0	0	2	4	1	5	0	0	0	0	0	0	12
Totals	3	22	115	572	350	602	16	1	0	0	0	0	1681

Number of Calm Hours for this Table	0
Number of Variable Direction Hours for this Table	0
Number of Invalid Hours	1066
Number of Valid Hours for this Table	1681
Total Hours for the Period	26304

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Attachment 2 PAVAN-PC Input/Output

```
0100 00101
SCE&G VCS U1  July2003 - June2006 Ground-Level Release
10-m                10-m to 61-m
EAB=1609 m LPZ=4828 m
Accidental Releases
   12     0
 1740 44.8 10.0 10.0
    0     0     0     0     0     0     0
    0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0
    0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0
    0     0     0     0     0     0     0     0     0     0     1     0     1     0     0     0
    8     6     5     3     0     1     0     1     2     1     8     5     4     4     5     2
   25    35    24     5     3     1     1     7     4     4    26    44    20     7     7    20
   37    37    48    30    16    10    21    20    13    61   199   212    46    35    28    28
    6    14    29    45    25    20    20    31    42    75   134   263   148    48    53    15
    9    13    29    15     1     2     3     7    10    13    11    34    29     4     8     5
    2     4     7    10     0     0     0     0     5     1     0     0     1     0     2     6
    0     1     1     0     0     0     0     0     0     0     0     0     0     0     0     1
    0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0
    0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0
    0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0
    0     0     0     0     0     0     0     1     0     0     0     0     2     0     0     0
    6     6     3     2     2     1     0     1     1     4     8     9     3     2     1     9
   19    10     7     8     3     2     1     2     1     8    22    14    17     8     8    13
   25    37    37    23    17     7    17    14    23    57    85    90    45    31    34    23
   22    13    57    53    30    16    13    25    50    64    59    65    61    45    44    21
   12    24    37    18    11     5     1     4    15    13     4     6    35     4    12    12
    7    17    18     8     3     1     0     1     3     2     0     0     5     0     9     7
    0     2     1     0     0     0     0     0     0     0     0     0     0     0     0     1
    0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0
    0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0
    0     1     0     0     0     0     0     0     0     0     0     0     0     0     0     0
    0     0     0     0     0     0     0     0     0     0     0     1     0     0     0     0
    9     7     7     4     1     1     0     2     1     4     6    10     4     6     6    10
   27    17    22     5     5     3     4     5     9    11    23    34    12    14     8    14
   47    50    65    28    30    17    25    26    45    49    71    66    45    31    32    28
   39    43   109    79    30    24    19    33    50    53    50    50    70    35    29    20
   28    67   142    59    16     3     3     4    13    11    14     7    13     4    14     9
   15    52    62    22     5     0     0     2     5     0     0     1     0     0     3    11
    2     1     0     0     0     0     0     0     0     0     0     0     0     0     0     0
    0     1     0     0     0     0     0     0     0     0     0     0     0     0     0     0
    0     0     1     0     0     0     0     0     0     0     0     0     0     0     0     0
    1     1     0     0     0     0     0     1     0     0     2     5     2     4     1     3
    7     2     3     1     1     0     0     3     3     5     9    11     9    11     6     7
   32    31    19     7     8     5     8    24    28    30    43    46    54    37    20    24
   50    55    39    21    29    16    26    32    43    62    70    84    65    52    35    18
  107   136   159   157   179   119   138   166   128   165   253   215   188    93   108    74
  140   211   508   564   310   118   113   165   184   198   216   170   232    61   103   102
   95   217   573   319    91    16    16    21    44    56    29    18    64    13    33    58
   34    89   108    49     8     1     1     7    21     5     0     0     3     0     5    36
    4     2     3     1     0     0     0     0     0     1     0     0     0     0     1     1
    0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0
    0     0     0     0     0     0     0     0     0     1     0     1     0     1     0     0
    1     1     2     0     0     0     1     0     4     2     2     3     2     6     2     0
```

4	1	4	2	2	2	2	4	10	10	13	9	11	10	8	6
21	16	15	14	10	14	14	23	70	77	119	99	69	54	26	15
23	22	23	20	30	29	28	91	85	129	213	145	90	53	30	14
49	64	49	41	103	75	126	250	259	434	467	301	361	110	72	49
38	28	31	47	88	38	58	88	127	173	120	104	123	15	29	40
5	1	9	3	3	0	5	3	8	7	2	2	7	0	1	5
2	1	0	0	0	0	2	0	2	1	0	0	0	0	0	2
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	1	0	1	0	0	1	0	0	0
1	0	2	0	0	1	1	1	6	0	5	1	4	4	0	1
0	1	0	0	1	0	1	5	7	8	9	21	11	10	6	2
4	5	2	5	5	4	16	26	56	36	60	49	63	46	14	13
9	6	6	5	7	4	11	57	72	71	119	83	52	34	23	5
15	12	11	7	5	2	41	177	195	171	186	115	122	55	30	6
3	0	1	0	1	3	13	54	33	19	5	2	6	3	2	3
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	0
0	0	0	0	0	1	2	0	4	2	4	2	5	1	1	0
0	1	0	2	0	1	3	2	9	9	23	27	17	11	8	2
4	3	0	1	4	3	3	15	51	63	98	138	126	48	11	4
0	1	1	1	0	2	1	13	41	37	54	82	81	25	10	1
1	4	3	0	5	3	7	58	86	83	101	105	92	33	16	5
0	0	0	0	1	0	0	7	4	2	1	0	1	0	0	0
0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-1.	0.22	0.50	0.75	1.0	1.5	2.0	3.0	5.0	7.0	10.0	13.0	18			
1609	1609	1609	1609	1609	1609	1609	1609	1609	1609	1609	1609	1609	1609	1609	1609
4828	4828	4828	4828	4828	4828	4828	4828	4828	4828	4828	4828	4828	4828	4828	4828

```
1USNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 12/17/2009

0PRINTOUT OF INPUT CARDS

    1     01000 00101 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000
    2     SCE&G VCS U1  July2003 - June2006 Ground-Level Release
    3     10-m                10-m to 61-m
    4     EAB=1609 m LPZ=4828 m
    5     Accidental Releases
    6         12 25238     0
    7           .500  1740.000    44.800    10.000    10.000
    8       .000   .000   .000   .000   .000   .000   .000
    9       .000   .000   .000   .000   .000   .000   .000   .000   .000   .000   .000   .000   .000   .000   .000   .000
    9       .000   .000   .000   .000   .000   .000   .000   .000   .000   .000   .000   .000   .000   .000   .000   .000
    9       .000   .000   .000   .000   .000   .000   .000   .000   .000   .000  1.000   .000  1.000   .000   .000   .000
    9      8.000  6.000  5.000  3.000   .000  1.000   .000  1.000  2.000  1.000  8.000  5.000  4.000  4.000  5.000  2.000
    9     25.000 35.000 24.000  5.000  3.000  1.000  1.000  7.000  4.000  4.000 26.000 44.000 20.000  7.000  7.000 20.000
    9     37.000 37.000 48.000 30.000 16.000 10.000 21.000 20.000 13.000 61.000199.000212.000 46.000 35.000 28.000 28.000
    9      6.000 14.000 29.000 45.000 25.000 20.000 20.000 31.000 42.000 75.000134.000263.000148.000 48.000 53.000 15.000
    9      9.000 13.000 29.000 15.000  1.000  2.000  3.000  7.000 10.000 13.000 11.000 34.000 29.000  4.000  8.000  5.000
    9      2.000  4.000  7.000 10.000   .000   .000   .000   .000  5.000  1.000   .000   .000  1.000   .000  2.000  6.000
    9       .000  1.000  1.000   .000   .000   .000   .000   .000   .000   .000   .000   .000   .000   .000   .000  1.000
    9       .000   .000   .000   .000   .000   .000   .000   .000   .000   .000   .000   .000   .000   .000   .000   .000
    9       .000   .000   .000   .000   .000   .000   .000   .000   .000   .000   .000   .000   .000   .000   .000   .000
    9       .000   .000   .000   .000   .000   .000   .000   .000   .000   .000   .000   .000   .000   .000   .000   .000
    9       .000   .000   .000   .000   .000   .000   .000  1.000   .000   .000   .000   .000  2.000   .000   .000   .000
    9      6.000  6.000  3.000  2.000  2.000  1.000   .000  1.000  1.000  4.000  8.000  9.000  3.000  2.000  1.000  9.000
    9     19.000 10.000  7.000  8.000  3.000  2.000  1.000  2.000  1.000  8.000 22.000 14.000 17.000  8.000  8.000 13.000
    9     25.000 37.000 37.000 23.000 17.000  7.000 17.000 14.000 23.000 57.000 85.000 90.000 45.000 31.000 34.000 23.000
    9     22.000 13.000 57.000 53.000 30.000 16.000 13.000 25.000 50.000 64.000 59.000 65.000 61.000 45.000 44.000 21.000
    9     12.000 24.000 37.000 18.000 11.000  5.000  1.000  4.000 15.000 13.000  4.000  6.000 35.000  4.000 12.000 12.000
    9      7.000 17.000 18.000  8.000  3.000  1.000   .000  1.000  3.000  2.000   .000   .000  5.000   .000  9.000  7.000
    9       .000  2.000  1.000   .000   .000   .000   .000   .000   .000   .000   .000   .000   .000   .000   .000  1.000
    9       .000   .000   .000   .000   .000   .000   .000   .000   .000   .000   .000   .000   .000   .000   .000   .000
    9       .000   .000   .000   .000   .000   .000   .000   .000   .000   .000   .000   .000   .000   .000   .000   .000
    9       .000  1.000   .000   .000   .000   .000   .000   .000   .000   .000   .000   .000   .000   .000   .000   .000
    9       .000   .000   .000   .000   .000   .000   .000   .000   .000   .000   .000  1.000   .000   .000   .000   .000
    9      9.000  7.000  7.000  4.000  1.000  1.000   .000  2.000  1.000  4.000  6.000 10.000  4.000  6.000  6.000 10.000
    9     27.000 17.000 22.000  5.000  5.000  3.000  4.000  5.000  9.000 11.000 23.000 34.000 12.000 14.000  8.000 14.000
    9     47.000 50.000 65.000 28.000 30.000 17.000 25.000 26.000 45.000 49.000 71.000 66.000 45.000 31.000 32.000 28.000
    9     39.000 43.000109.000 79.000 30.000 24.000 19.000 33.000 50.000 53.000 50.000 50.000 70.000 35.000 29.000 20.000
    9     28.000 67.000142.000 59.000 16.000  3.000  3.000  4.000 13.000 11.000 14.000  7.000 13.000  4.000 14.000  9.000
    9     15.000 52.000 62.000 22.000  5.000   .000   .000  2.000  5.000   .000   .000  1.000   .000   .000  3.000 11.000
    9      2.000  1.000   .000   .000   .000   .000   .000   .000   .000   .000   .000   .000   .000   .000   .000   .000
    9       .000  1.000   .000   .000   .000   .000   .000   .000   .000   .000   .000   .000   .000   .000   .000   .000
    9       .000   .000  1.000   .000   .000   .000   .000   .000   .000   .000   .000   .000   .000   .000   .000   .000
    9      1.000  1.000   .000   .000   .000   .000   .000  1.000   .000   .000  2.000  5.000  2.000  4.000  1.000  3.000
    9      7.000  2.000  3.000  1.000  1.000   .000   .000  3.000  3.000  5.000  9.000 11.000  9.000 11.000  6.000  7.000
    9     32.000 31.000 19.000  7.000  8.000  5.000  8.000 24.000 28.000 30.000 43.000 46.000 54.000 37.000 20.000 24.000
    9     50.000 55.000 39.000 21.000 29.000 16.000 26.000 32.000 43.000 62.000 70.000 84.000 65.000 52.000 35.000 18.000
    9    107.000136.000159.000157.000179.000119.000138.000166.000128.000165.000253.000215.000188.000 93.000108.000 74.000
    9    140.000211.000508.000564.000310.000118.000113.000165.000184.000198.000216.000170.000232.000 61.000103.000102.000
    9     95.000217.000573.000319.000 91.000 16.000 16.000 21.000 44.000 56.000 29.000 18.000 64.000 13.000 33.000 58.000
    9     34.000 89.000108.000 49.000  8.000  1.000  1.000  7.000 21.000  5.000   .000   .000  3.000   .000  5.000 36.000
    9      4.000  2.000  3.000  1.000   .000   .000   .000   .000   .000  1.000   .000   .000   .000   .000  1.000  1.000
```

9	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
9	.000	.000	.000	.000	.000	.000	.000	.000	.000	1.000	.000	1.000	.000	1.000	.000	.000
9	1.000	1.000	2.000	.000	.000	.000	1.000	.000	4.000	2.000	2.000	3.000	2.000	6.000	2.000	.000
9	4.000	1.000	4.000	2.000	2.000	2.000	2.000	4.000	10.000	10.000	13.000	9.000	11.000	10.000	8.000	6.000
9	21.000	16.000	15.000	14.000	10.000	14.000	14.000	23.000	70.000	77.000	119.000	99.000	69.000	54.000	26.000	15.000
9	23.000	22.000	23.000	20.000	30.000	29.000	28.000	91.000	85.000	129.000	213.000	145.000	90.000	53.000	30.000	14.000
9	49.000	64.000	49.000	41.000	103.000	75.000	126.000	250.000	259.000	434.000	467.000	301.000	361.000	110.000	72.000	49.000
9	38.000	28.000	31.000	47.000	88.000	38.000	58.000	88.000	127.000	173.000	120.000	104.000	123.000	15.000	29.000	40.000
9	5.000	1.000	9.000	3.000	3.000	.000	5.000	3.000	8.000	7.000	2.000	2.000	7.000	.000	1.000	5.000
9	2.000	1.000	.000	.000	.000	.000	2.000	.000	2.000	1.000	.000	.000	.000	.000	.000	2.000
9	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
9	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
9	.000	.000	.000	.000	.000	.000	.000	1.000	.000	1.000	.000	.000	1.000	.000	.000	.000
9	1.000	.000	2.000	.000	.000	1.000	1.000	1.000	6.000	.000	5.000	1.000	4.000	4.000	.000	1.000
9	.000	1.000	.000	.000	1.000	.000	1.000	5.000	7.000	8.000	9.000	21.000	11.000	10.000	6.000	2.000
9	4.000	5.000	2.000	5.000	5.000	4.000	16.000	26.000	56.000	36.000	60.000	49.000	63.000	46.000	14.000	13.000
9	9.000	6.000	6.000	5.000	7.000	4.000	11.000	57.000	72.000	71.000	119.000	83.000	52.000	34.000	23.000	5.000
9	15.000	12.000	11.000	7.000	5.000	2.000	41.000	177.000	195.000	171.000	186.000	115.000	122.000	55.000	30.000	6.000
9	3.000	.000	1.000	.000	1.000	3.000	13.000	54.000	33.000	19.000	5.000	2.000	6.000	3.000	2.000	3.000
9	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
9	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
9	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
9	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
9	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	1.000	.000	1.000	1.000	.000	.000
9	.000	.000	.000	.000	.000	1.000	2.000	.000	4.000	2.000	4.000	2.000	5.000	1.000	1.000	.000
9	.000	1.000	.000	2.000	.000	1.000	3.000	2.000	9.000	9.000	23.000	27.000	17.000	11.000	8.000	2.000
9	4.000	3.000	.000	1.000	4.000	3.000	3.000	15.000	51.000	63.000	98.000	138.000	126.000	48.000	11.000	4.000
9	.000	1.000	1.000	1.000	.000	2.000	1.000	13.000	41.000	37.000	54.000	82.000	81.000	25.000	10.000	1.000
9	1.000	4.000	3.000	.000	5.000	3.000	7.000	58.000	86.000	83.000	101.000	105.000	92.000	33.000	16.000	5.000
9	.000	.000	.000	.000	1.000	.000	.000	7.000	4.000	2.000	1.000	.000	1.000	.000	.000	.000
9	.000	.000	.000	.000	.000	.000	.000	.000	.000	1.000	.000	.000	.000	.000	.000	.000
9	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
9	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
9	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
10	-1.	.220	.500	.750	1.000	1.500	2.000	3.000	5.000	7.000	10.000	13.000	18.000	.000	.000	
11	1609.	1609.	1609.	1609.	1609.	1609.	1609.	1609.	1609.	1609.	1609.	1609.	1609.	1609.	1609.	1609.
11	4828.	4828.	4828.	4828.	4828.	4828.	4828.	4828.	4828.	4828.	4828.	4828.	4828.	4828.	4828.	4828.

1USNRC COMPUTER CODE-PAVAN, VERSION 2.0 RUN DATE: 12/17/2009

/PLANT NAME: SCE&G VCS U1 July20 METEOROLOGICAL INSTRUMENTATION
DATA PERIOD: 03 - June2006 Ground WIND SENSORS HEIGHT: 10-m
TYPE OF RELEASE: -Level Release DELTA-T HEIGHTS: 10-m to 61-m
SOURCE OF DATA: EAB=1609 m LPZ=4828 m
COMMENTS: Accidental Releases
PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
0JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION ATMOSPHERIC STABILITY CLASS A
WIND SPEED (M/S)

TOWER	RELEASE	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
.22	.22	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
.50	.50	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
.75	.75	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
1.00	1.00	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.004	.000	.004	.000	.000	.000	.008
1.50	1.50	.032	.024	.020	.012	.000	.004	.000	.004	.008	.004	.032	.020	.016	.016	.020	.008	.218
2.00	2.00	.099	.139	.095	.020	.012	.004	.004	.028	.016	.016	.103	.174	.079	.028	.028	.079	.923
3.00	3.00	.147	.147	.190	.119	.063	.040	.083	.079	.052	.242	.788	.840	.182	.139	.111	.111	3.332
5.00	5.00	.024	.055	.115	.178	.099	.079	.079	.123	.166	.297	.531	1.042	.586	.190	.210	.059	3.835

7.00	7.00	.036	.052	.115	.059	.004	.008	.012	.028	.040	.052	.044	.135	.115	.016	.032	.020	.765
10.00	10.00	.008	.016	.028	.040	.000	.000	.000	.000	.020	.004	.000	.000	.004	.000	.008	.024	.151
13.00	13.00	.000	.004	.004	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.004	.012
18.00	18.00	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
TOTAL		.34	.44	.57	.43	.18	.13	.18	.26	.30	.61	1.50	2.21	.99	.39	.41	.31	9.24

0JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION ATMOSPHERIC STABILITY CLASS B

WIND SPEED (M/S)

TOWER	RELEASE	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
.22	.22	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
.50	.50	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
.75	.75	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
1.00	1.00	.000	.000	.000	.000	.000	.000	.000	.004	.000	.000	.000	.000	.008	.000	.000	.000	.012
1.50	1.50	.024	.024	.012	.008	.008	.004	.000	.004	.004	.016	.032	.036	.012	.008	.004	.036	.230
2.00	2.00	.075	.040	.028	.032	.012	.008	.004	.008	.004	.032	.087	.055	.067	.032	.032	.052	.567
3.00	3.00	.099	.147	.147	.091	.067	.028	.067	.055	.091	.226	.337	.357	.178	.123	.135	.091	2.239
5.00	5.00	.087	.052	.226	.210	.119	.063	.052	.099	.198	.254	.234	.258	.242	.178	.174	.083	2.528
7.00	7.00	.048	.095	.147	.071	.044	.020	.004	.016	.059	.052	.016	.024	.139	.016	.048	.048	.844
10.00	10.00	.028	.067	.071	.032	.012	.004	.000	.004	.012	.008	.000	.000	.020	.000	.036	.028	.321
13.00	13.00	.000	.008	.004	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.004	.016
18.00	18.00	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
TOTAL		.36	.43	.63	.44	.26	.13	.13	.19	.37	.59	.71	.73	.67	.36	.43	.34	6.76

0JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION ATMOSPHERIC STABILITY CLASS C

WIND SPEED (M/S)

TOWER	RELEASE	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
.22	.22	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
.50	.50	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
.75	.75	.000	.004	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.004
1.00	1.00	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.004	.000	.000	.000	.000	.004
1.50	1.50	.036	.028	.028	.016	.004	.004	.000	.008	.004	.016	.024	.040	.016	.024	.024	.040	.309
2.00	2.00	.107	.067	.087	.020	.020	.012	.016	.020	.036	.044	.091	.135	.048	.055	.032	.055	.844
3.00	3.00	.186	.198	.258	.111	.119	.067	.099	.103	.178	.194	.281	.262	.178	.123	.127	.111	2.595
5.00	5.00	.155	.170	.432	.313	.119	.095	.075	.131	.198	.210	.198	.198	.277	.139	.115	.079	2.904
7.00	7.00	.111	.265	.563	.234	.063	.012	.012	.016	.052	.044	.055	.028	.052	.016	.055	.036	1.613
10.00	10.00	.059	.206	.246	.087	.020	.000	.000	.008	.020	.000	.000	.004	.000	.000	.012	.044	.705
13.00	13.00	.008	.004	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.012
18.00	18.00	.000	.004	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.004
TOTAL		.66	.95	1.61	.78	.34	.19	.20	.29	.49	.51	.65	.67	.57	.36	.36	.36	8.99

0JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION ATMOSPHERIC STABILITY CLASS D

WIND SPEED (M/S)

TOWER	RELEASE	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
.22	.22	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
.50	.50	.000	.000	.004	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.004
.75	.75	.004	.004	.000	.000	.000	.000	.000	.004	.000	.000	.008	.020	.008	.016	.004	.012	.079
1.00	1.00	.028	.008	.012	.004	.004	.000	.000	.012	.012	.020	.036	.044	.036	.044	.024	.028	.309
1.50	1.50	.127	.123	.075	.028	.032	.020	.032	.095	.111	.119	.170	.182	.214	.147	.079	.095	1.648
2.00	2.00	.198	.218	.155	.083	.115	.063	.103	.127	.170	.246	.277	.333	.258	.206	.139	.071	2.762
3.00	3.00	.424	.539	.630	.622	.709	.472	.547	.658	.507	.654	1.002	.852	.745	.368	.428	.293	9.450
5.00	5.00	.555	.836	2.013	2.235	1.228	.468	.448	.654	.729	.785	.856	.674	.919	.242	.408	.404	13.452
7.00	7.00	.376	.860	2.270	1.264	.361	.063	.063	.083	.174	.222	.115	.071	.254	.052	.131	.230	6.589
10.00	10.00	.135	.353	.428	.194	.032	.004	.004	.028	.083	.020	.000	.000	.012	.000	.020	.143	1.454
13.00	13.00	.016	.008	.012	.004	.000	.000	.000	.000	.000	.004	.000	.000	.000	.000	.004	.004	.052
18.00	18.00	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
TOTAL		1.86	2.95	5.60	4.43	2.48	1.09	1.20	1.66	1.79	2.07	2.46	2.18	2.44	1.07	1.24	1.28	35.80

0JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION ATMOSPHERIC STABILITY CLASS E

WIND SPEED (M/S)

TOWER	RELEASE	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
.22	.22	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
.50	.50	.000	.000	.000	.000	.000	.000	.000	.000	.000	.004	.000	.004	.000	.004	.000	.000	.012
.75	.75	.004	.004	.008	.000	.000	.000	.004	.000	.016	.008	.008	.012	.008	.024	.008	.000	.103
1.00	1.00	.016	.004	.016	.008	.008	.008	.008	.016	.040	.040	.052	.036	.044	.040	.032	.024	.388
1.50	1.50	.083	.063	.059	.055	.040	.055	.055	.091	.277	.305	.472	.392	.273	.214	.103	.059	2.599
2.00	2.00	.091	.087	.091	.079	.119	.115	.111	.361	.337	.511	.844	.575	.357	.210	.119	.055	4.061
3.00	3.00	.194	.254	.194	.162	.408	.297	.499	.991	1.026	1.720	1.850	1.193	1.430	.436	.285	.194	11.134
5.00	5.00	.151	.111	.123	.186	.349	.151	.230	.349	.503	.685	.475	.412	.487	.059	.115	.158	4.545
7.00	7.00	.020	.004	.036	.012	.012	.000	.020	.012	.032	.028	.008	.008	.028	.000	.004	.020	.242
10.00	10.00	.008	.004	.000	.000	.000	.000	.008	.000	.008	.004	.000	.000	.000	.000	.000	.008	.040
13.00	13.00	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
18.00	18.00	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
TOTAL		.57	.53	.53	.50	.94	.63	.94	1.82	2.24	3.30	3.71	2.63	2.63	.99	.67	.52	23.12

0JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION ATMOSPHERIC STABILITY CLASS F

WIND SPEED (M/S)

TOWER	RELEASE	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
.22	.22	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
.50	.50	.000	.000	.000	.000	.000	.000	.000	.004	.000	.004	.000	.000	.004	.000	.000	.000	.012
.75	.75	.004	.000	.008	.000	.000	.004	.004	.004	.024	.000	.020	.004	.016	.016	.000	.004	.107
1.00	1.00	.000	.004	.000	.000	.004	.000	.004	.020	.028	.032	.036	.083	.044	.040	.024	.008	.325
1.50	1.50	.016	.020	.008	.020	.020	.016	.063	.103	.222	.143	.238	.194	.250	.182	.055	.052	1.601
2.00	2.00	.036	.024	.024	.020	.028	.016	.044	.226	.285	.281	.472	.329	.206	.135	.091	.020	2.235
3.00	3.00	.059	.048	.044	.028	.020	.008	.162	.701	.773	.678	.737	.456	.483	.218	.119	.024	4.557
5.00	5.00	.012	.000	.004	.000	.004	.012	.052	.214	.131	.075	.020	.008	.024	.012	.008	.012	.586
7.00	7.00	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
10.00	10.00	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
13.00	13.00	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
18.00	18.00	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
TOTAL		.13	.10	.09	.07	.08	.06	.33	1.27	1.46	1.21	1.52	1.07	1.03	.60	.30	.12	9.42

0JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION ATMOSPHERIC STABILITY CLASS G

WIND SPEED (M/S)

TOWER	RELEASE	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
.22	.22	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
.50	.50	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.004	.000	.004	.004	.000	.000	.012
.75	.75	.000	.000	.000	.000	.000	.004	.008	.000	.016	.008	.016	.008	.020	.004	.004	.000	.087
1.00	1.00	.000	.004	.000	.008	.000	.004	.012	.008	.036	.036	.091	.107	.067	.044	.032	.008	.456
1.50	1.50	.016	.012	.000	.004	.016	.012	.012	.059	.202	.250	.388	.547	.499	.190	.044	.016	2.266
2.00	2.00	.000	.004	.004	.004	.000	.008	.004	.052	.162	.147	.214	.325	.321	.099	.040	.004	1.387
3.00	3.00	.004	.016	.012	.000	.020	.012	.028	.230	.341	.329	.400	.416	.365	.131	.063	.020	2.385
5.00	5.00	.000	.000	.000	.000	.004	.000	.000	.028	.016	.008	.004	.000	.004	.000	.000	.000	.063
7.00	7.00	.000	.000	.000	.000	.000	.000	.000	.000	.000	.004	.000	.000	.000	.000	.000	.000	.004
10.00	10.00	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
13.00	13.00	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
18.00	18.00	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
TOTAL		.02	.04	.02	.02	.04	.04	.06	.38	.77	.78	1.12	1.40	1.28	.47	.18	.05	6.66

0WIND MEASURED AT 10.0 METERS.
WIND SPEED CORRECTED TO THE RELEASE HEIGHT OF 10.0 METERS.
0OVERALL WIND DIRECTION FREQUENCY

WIND DIRECTION:	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW

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 FREQUENCY:              3.9   5.4   9.0   6.7   4.3   2.3   3.0   5.9   7.4   9.1  11.7  10.9   9.6   4.2   3.6   3.0
0OVERALL WIND SPEED FREQUENCY AS MEASURED ON THE TOWER:
 MAX.WIND SPEED (M/S):      .220   .500   .750  1.000  1.500  2.000  3.000  5.000  7.000 10.000 13.000 18.000
 WIND SPEED FREQUENCY:      .00    .04    .38   1.50   8.87  12.78  35.69  27.91  10.06   2.67    .09    .00
0BUILDING AND RELEASE CHARACTERISTICS:
 RELEASE HEIGHT:                  10.00 METERS
 MIXING VOLUME COEFFICIENT:         .50
 BUILDING CROSS-SECTIONAL AREA: 1740.00 SQUARE METERS
0BOUNDARY DISTANCES (METERS) FROM THE SOURCE FOR EACH DOWNWIND SECTOR:
 DOWNWIND SECTOR      S    SSW     SW    WSW      W    WNW     NW    NNW      N    NNE     NE    ENE      E    ESE     SE    SSE
 BOUNDARY 1       1609.  1609.  1609.  1609.  1609.  1609.  1609.  1609.  1609.  1609.  1609.  1609.  1609.  1609.  1609.  1609.
 BOUNDARY 2       4828.  4828.  4828.  4828.  4828.  4828.  4828.  4828.  4828.  4828.  4828.  4828.  4828.  4828.  4828.  4828.
1USNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 12/17/2009

/PLANT NAME: SCE&G VCS U1  July20                METEOROLOGICAL INSTRUMENTATION
 DATA PERIOD: 03 - June2006 Ground               WIND SENSORS HEIGHT: 10-m
 TYPE OF RELEASE: -Level Release                 DELTA-T HEIGHTS: 10-m to 61-m
 SOURCE OF DATA: EAB=1609 m LPZ=4828 m
 COMMENTS: Accidental Releases
 PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
0WINDSPEEDS ADJUSTED TO  10.0 METERS.
0PERCENT OF THE TIME A GIVEN WINDSPEED IS LOWER:
0WINDSPEED    CUMULATIVE FREQUENCY
 (METER/SEC)         (PERCENT)
      .22               .00
      .50               .04
      .75               .42
     1.00              1.92
     1.50             10.79
     2.00             23.57
     3.00             59.26
     5.00             87.18
     7.00             97.23
    10.00             99.90
    13.00            100.00
    18.00            100.00
0
0LOG-NORMAL INTERPOLATION PERCENTILES
0WINDSPEED    CUMULATIVE FREQUENCY
 (METER/SEC)         (PERCENT)
      .88              1.00
     1.10              3.00
     1.23              5.00
     1.47             10.00
     1.68             15.00
     1.87             20.00
     2.04             25.00
     2.17             30.00
     2.31             35.00
     2.44             40.00
     2.57             45.00
     2.72             50.00
     2.87             55.00
     3.03             60.00
     3.27             65.00
     3.54             70.00
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      3.85            75.00
      4.23            80.00
      4.85            85.00
      5.33            90.00
1USNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 12/17/2009

/PLANT NAME: SCE&G VCS U1  July20                METEOROLOGICAL INSTRUMENTATION
 DATA PERIOD: 03 - June2006 Ground               WIND SENSORS HEIGHT: 10-m
 TYPE OF RELEASE: -Level Release                 DELTA-T HEIGHTS: 10-m to 61-m
 SOURCE OF DATA: EAB=1609 m LPZ=4828 m
 COMMENTS: Accidental Releases
 PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
0SITE EXCLUSION BOUNDARY CALCULATIONS:
0   S SECTOR     BOUNDARY DISTANCE = 1609.0 METERS
0LATERAL PLUME MEANDER/BUILDING WAKE CREDIT ALLOWED
 AS A FUNCTION OF DOWNWIND DISTANCE.
 MEANDER CREDIT IS FOR WINDSPEEDS LESS THAN 6 MPS.
 BUILDING WAKE CREDIT ALLOWED:   C=   .5     A=  1740.     D=   44.8
 CORRECTION FACTORS USED IN THE ANNUAL AVERAGE CALCULATIONS.
0BELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
 THE TOP NUMBER IS THE CHI/Q.  THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
 THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.
0   1.470E-04   1.156E-04   1.000E-04   8.335E-05   7.349E-05   6.251E-05   5.512E-05   5.471E-05   5.455E-05   4.583E-05
         .101        .503        .603        .704       1.106       1.508       2.412       3.920       4.020       4.322
       .00396      .01981      .02377      .02774      .04359      .05943      .09509      .15453      .15849      .17038
0   4.168E-05   4.091E-05   3.126E-05   2.807E-05   2.728E-05   2.320E-05   2.046E-05   1.657E-05   1.617E-05   1.346E-05
        6.432       7.136       9.447      14.372      17.588      21.407      26.432      26.935      37.688      38.593
       .25359      .28132      .37245      .56661      .69340      .84397     1.04208     1.06189     1.48585     1.52152
0   1.177E-05   1.160E-05   1.009E-05   8.491E-06   6.730E-06   5.944E-06   5.279E-06   4.572E-06   4.038E-06   3.959E-06
       52.663      52.864      55.578      65.126      69.849      73.266      73.869      74.271      78.191      80.100
      2.07623     2.08416     2.19114     2.56756     2.75378     2.88850     2.91227     2.92812     3.08265     3.15794
0   2.884E-06   2.639E-06   2.019E-06   1.584E-06   1.553E-06   1.131E-06   7.918E-07   7.366E-07   5.525E-07   3.683E-07
       82.915      85.427      86.935      89.146      89.347      90.553      91.256      92.060      94.573      98.291
      3.26888     3.36794     3.42737     3.51454     3.52247     3.57001     3.59775     3.62945     3.72850     3.87511
0   2.210E-07   1.579E-07   1.105E-07
       98.894      99.799     100.000
      3.89888     3.93454     3.94247
0          X/Q PERCENTILES
 (BASED ON THE UPPER ENVELOPE OF THE
 ORDERED X/Q-FREQUENCY VALUES, AND AS
 PLOTTED ON A LOG-NORMAL GRAPH.)
0 PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED
        CHI/Q      WITH RESPECT TO     WHEN THE WIND BLOWS
 SEC/CUBIC METER  THE TOTAL TIME      INTO THIS SECTOR ONLY

                                                   HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 3)=    .158
                                                   HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 4)=    .693
                                                   HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 5)=   1.484
                                                   HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 6)=   2.074
                                                   HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 7)=   2.565
                                                   HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 8)=   2.886
     9.133E-05                .039              1.000
     6.110E-05                .118              3.000
     4.955E-05                .197              5.000
     3.600E-05                .394             10.000
     2.955E-05                .591             15.000
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     2.506E-05              .788            20.000
     2.157E-05              .986            25.000
     1.902E-05             1.183            30.000
     1.706E-05             1.380            35.000
     1.530E-05             1.577            40.000
     1.369E-05             1.774            45.000
     1.238E-05             1.971            50.000
     1.102E-05             2.168            55.000
     9.645E-06             2.365            60.000
     8.517E-06             2.563            65.000
     6.830E-06             2.760            70.000
0    3.210E-05             0.5              12.68
0ANNUAL AVERAGE =   1.07E-06
1USNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 12/17/2009

/PLANT NAME: SCE&G VCS U1  July20                METEOROLOGICAL INSTRUMENTATION
 DATA PERIOD: 03 - June2006 Ground               WIND SENSORS HEIGHT: 10-m
 TYPE OF RELEASE: -Level Release                 DELTA-T HEIGHTS: 10-m to 61-m
 SOURCE OF DATA: EAB=1609 m LPZ=4828 m
 COMMENTS: Accidental Releases
 PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
0SITE EXCLUSION BOUNDARY CALCULATIONS:
0 SSW SECTOR     BOUNDARY DISTANCE = 1609.0 METERS
0LATERAL PLUME MEANDER/BUILDING WAKE CREDIT ALLOWED
 AS A FUNCTION OF DOWNWIND DISTANCE.
 MEANDER CREDIT IS FOR WINDSPEEDS LESS THAN 6 MPS.
 BUILDING WAKE CREDIT ALLOWED:   C=   .5     A=  1740.     D=   44.8
 CORRECTION FACTORS USED IN THE ANNUAL AVERAGE CALCULATIONS.
0BELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
 THE TOP NUMBER IS THE CHI/Q.  THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
 THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.
0   1.734E-04   1.156E-04   1.102E-04   1.000E-04   8.671E-05   8.335E-05   7.349E-05   6.251E-05   5.512E-05   5.471E-05
         .073        .292        .365        .657        .730        .804       1.169       1.242       1.680       2.557
       .00396      .01585      .01981      .03566      .03962      .04359      .06340      .06736      .09113      .13868
0   5.455E-05   4.168E-05   4.091E-05   3.126E-05   2.807E-05   2.728E-05   2.692E-05   2.320E-05   2.046E-05   1.657E-05
        2.630       3.798       3.944       5.551      10.226      12.491      12.564      14.609      18.627      18.700
       .14264      .20604      .21396      .30113      .55472      .67755      .68151      .79246     1.01038     1.01434
0   1.617E-05   1.346E-05   1.177E-05   1.160E-05   1.009E-05   8.491E-06   6.730E-06   5.944E-06   5.279E-06   4.572E-06
       28.634      29.145      44.558      44.631      45.873      61.724      65.376      71.877      72.316      72.462
      1.55321     1.58095     2.41699     2.42095     2.48831     3.34813     3.54624     3.89888     3.92266     3.93058
0   4.038E-06   3.959E-06   2.884E-06   2.639E-06   2.019E-06   1.584E-06   1.553E-06   1.131E-06   1.122E-06   7.918E-07
       75.603      76.333      81.227      83.930      87.728      88.678      88.751      90.504      90.577      91.819
      4.10096     4.14058     4.40605     4.55266     4.75870     4.81021     4.81417     4.90926     4.91323     4.98059
0   7.366E-07   6.091E-07   5.525E-07   3.683E-07   2.210E-07   1.579E-07   1.105E-07   8.500E-08
       92.257      92.403      94.960      97.663      98.685      99.635      99.927     100.000
      5.00436     5.01228     5.15096     5.29757     5.35304     5.40455     5.42040     5.42436
0          X/Q PERCENTILES
 (BASED ON THE UPPER ENVELOPE OF THE
 ORDERED X/Q-FREQUENCY VALUES, AND AS
 PLOTTED ON A LOG-NORMAL GRAPH.)
0 PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED
        CHI/Q      WITH RESPECT TO     WHEN THE WIND BLOWS
 SEC/CUBIC METER  THE TOTAL TIME      INTO THIS SECTOR ONLY

                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 3)=    .143
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 4)=    .677
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                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 5)=   1.551
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 6)=   2.415
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 7)=   3.345
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 8)=   3.896
     8.382E-05                .054              1.000
     5.165E-05                .163              3.000
     4.152E-05                .271              5.000
     3.032E-05                .542             10.000
     2.442E-05                .814             15.000
     2.042E-05               1.085             20.000
     1.769E-05               1.356             25.000
     1.566E-05               1.627             30.000
     1.404E-05               1.899             35.000
     1.275E-05               2.170             40.000
     1.166E-05               2.441             45.000
     1.051E-05               2.712             50.000
     9.552E-06               2.983             55.000
     8.742E-06               3.255             60.000
     7.531E-06               3.526             65.000
     6.329E-06               3.797             70.000
0    3.150E-05               0.5                9.22
0ANNUAL AVERAGE =   1.23E-06
1USNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 12/17/2009

/PLANT NAME: SCE&G VCS U1  July20                METEOROLOGICAL INSTRUMENTATION
 DATA PERIOD: 03 - June2006 Ground               WIND SENSORS HEIGHT: 10-m
 TYPE OF RELEASE: -Level Release                 DELTA-T HEIGHTS: 10-m to 61-m
 SOURCE OF DATA: EAB=1609 m LPZ=4828 m
 COMMENTS: Accidental Releases
 PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
0SITE EXCLUSION BOUNDARY CALCULATIONS:
0  SW SECTOR     BOUNDARY DISTANCE = 1609.0 METERS
0LATERAL PLUME MEANDER/BUILDING WAKE CREDIT ALLOWED
 AS A FUNCTION OF DOWNWIND DISTANCE.
 MEANDER CREDIT IS FOR WINDSPEEDS LESS THAN 6 MPS.
 BUILDING WAKE CREDIT ALLOWED:   C=   .5     A=  1740.     D=   44.8
 CORRECTION FACTORS USED IN THE ANNUAL AVERAGE CALCULATIONS.
0BELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
 THE TOP NUMBER IS THE CHI/Q.  THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
 THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.
0   1.470E-04   1.000E-04   8.671E-05   8.335E-05   8.183E-05   7.349E-05   6.251E-05   5.512E-05   5.471E-05   4.583E-05
         .088        .219        .263        .351        .394        .482        .657        .920       1.402       1.446
       .00792      .01981      .02377      .03170      .03566      .04359      .05943      .08321      .12679      .13076
0   4.168E-05   4.091E-05   3.126E-05   2.807E-05   2.728E-05   2.320E-05   2.046E-05   1.657E-05   1.617E-05   1.346E-05
        2.103       2.235       3.243       5.390       6.223       7.581       9.290       9.684      16.652      16.959
       .19019      .20208      .29321      .48736      .56264      .68547      .84000      .87566     1.50567     1.53340
0   1.177E-05   1.009E-05   8.491E-06   6.730E-06   5.944E-06   5.279E-06   4.572E-06   4.038E-06   3.959E-06   2.884E-06
       39.220      40.184      65.294      68.142      72.875      73.006      73.138      77.914      78.221      84.443
      3.54624     3.63341     5.90380     6.16134     6.58927     6.60116     6.61304     7.04493     7.07267     7.63531
0   2.639E-06   2.019E-06   1.584E-06   1.131E-06   7.918E-07   7.366E-07   6.091E-07   5.525E-07   3.683E-07   2.210E-07
       86.065      88.782      91.280      92.901      93.690      93.909      93.953      95.004      97.108      98.379
      7.78192     8.02758     8.25343     8.40003     8.47135     8.49116     8.49513     8.59022     8.78041     8.89532
0   1.579E-07   1.105E-07   8.500E-08
       99.649      99.956     100.000
      9.01022     9.03796     9.04192
0          X/Q PERCENTILES
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 (BASED ON THE UPPER ENVELOPE OF THE
 ORDERED X/Q-FREQUENCY VALUES, AND AS
 PLOTTED ON A LOG-NORMAL GRAPH.)
0 PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED
        CHI/Q      WITH RESPECT TO     WHEN THE WIND BLOWS
 SEC/CUBIC METER  THE TOTAL TIME      INTO THIS SECTOR ONLY

                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 2)=    .127
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 3)=    .562
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 4)=   3.543
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 5)=   5.900
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 6)=   6.585
     6.240E-05              .090             1.000
     3.884E-05              .271             3.000
     3.041E-05              .452             5.000
     2.240E-05              .904            10.000
     1.875E-05             1.356            15.000
     1.643E-05             1.808            20.000
     1.477E-05             2.260            25.000
     1.350E-05             2.713            30.000
     1.249E-05             3.165            35.000
     1.163E-05             3.617            40.000
     1.081E-05             4.069            45.000
     1.012E-05             4.521            50.000
     9.514E-06             4.973            55.000
     8.985E-06             5.425            60.000
     8.517E-06             5.877            65.000
     6.781E-06             6.329            70.000
0    2.893E-05             0.5               5.53
0ANNUAL AVERAGE =   1.69E-06
1USNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 12/17/2009

/PLANT NAME: SCE&G VCS U1  July20                METEOROLOGICAL INSTRUMENTATION
 DATA PERIOD: 03 - June2006 Ground               WIND SENSORS HEIGHT: 10-m
 TYPE OF RELEASE: -Level Release                 DELTA-T HEIGHTS: 10-m to 61-m
 SOURCE OF DATA: EAB=1609 m LPZ=4828 m
 COMMENTS: Accidental Releases
 PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
0SITE EXCLUSION BOUNDARY CALCULATIONS:
0 WSW SECTOR     BOUNDARY DISTANCE = 1609.0 METERS
0LATERAL PLUME MEANDER/BUILDING WAKE CREDIT ALLOWED
 AS A FUNCTION OF DOWNWIND DISTANCE.
 MEANDER CREDIT IS FOR WINDSPEEDS LESS THAN 6 MPS.
 BUILDING WAKE CREDIT ALLOWED:   C=   .5     A=  1740.     D=   44.8
 CORRECTION FACTORS USED IN THE ANNUAL AVERAGE CALCULATIONS.
0BELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
 THE TOP NUMBER IS THE CHI/Q.  THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
 THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.
0   1.734E-04   1.156E-04   8.671E-05   7.349E-05   6.251E-05   5.512E-05   5.471E-05   4.168E-05   4.091E-05   3.126E-05
        .119        .178        .238        .534        .653        .950       1.366       2.197       2.257       3.444
      .00792      .01189      .01585      .03566      .04359      .06340      .09113      .14660      .15057      .22981
0   2.807E-05   2.728E-05   2.320E-05   2.046E-05   1.657E-05   1.617E-05   1.346E-05   1.177E-05   1.009E-05   8.491E-06
       5.879       6.295       9.086      10.333      10.511      19.834      20.071      53.563      53.860      72.803
      .39227      .42000      .60623      .68944      .70132     1.32340     1.33925     3.57398     3.59379     4.85775
0   6.730E-06   5.944E-06   5.279E-06   4.572E-06   4.038E-06   3.959E-06   2.884E-06   2.639E-06   2.019E-06   1.584E-06
      74.466      77.375      77.494      77.553      82.245      82.720      86.223      87.589      88.895      92.043
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      4.96870     5.16285     5.17077     5.17474     5.48776     5.51945     5.75323     5.84436     5.93153     6.14153
0   1.131E-06   7.918E-07   7.366E-07   5.525E-07   3.683E-07   2.210E-07   1.579E-07   1.105E-07
       93.112      93.587      93.765      94.062      95.843      98.515      99.406     100.000
      6.21285     6.24455     6.25644     6.27625     6.39512     6.57342     6.63286     6.67248
0          X/Q PERCENTILES
 (BASED ON THE UPPER ENVELOPE OF THE
 ORDERED X/Q-FREQUENCY VALUES, AND AS
 PLOTTED ON A LOG-NORMAL GRAPH.)
0 PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED
        CHI/Q      WITH RESPECT TO     WHEN THE WIND BLOWS
 SEC/CUBIC METER  THE TOTAL TIME      INTO THIS SECTOR ONLY

                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 2)=    .091
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 3)=   1.322
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 5)=   4.854
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 6)=   5.159
     6.412E-05                .067              1.000
     3.952E-05                .200              3.000
     3.159E-05                .334              5.000
     2.286E-05                .667             10.000
     1.869E-05               1.001             15.000
     1.613E-05               1.334             20.000
     1.508E-05               1.668             25.000
     1.425E-05               2.002             30.000
     1.357E-05               2.335             35.000
     1.299E-05               2.669             40.000
     1.249E-05               3.003             45.000
     1.206E-05               3.336             50.000
     1.145E-05               3.670             55.000
     1.046E-05               4.003             60.000
     9.602E-06               4.337             65.000
     8.863E-06               4.671             70.000
     7.138E-06               5.004             75.000
0    2.623E-05               0.5                7.49
0ANNUAL AVERAGE =   1.35E-06
1USNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 12/17/2009

/PLANT NAME: SCE&G VCS U1  July20                METEOROLOGICAL INSTRUMENTATION
 DATA PERIOD: 03 - June2006 Ground               WIND SENSORS HEIGHT: 10-m
 TYPE OF RELEASE: -Level Release                 DELTA-T HEIGHTS: 10-m to 61-m
 SOURCE OF DATA: EAB=1609 m LPZ=4828 m
 COMMENTS: Accidental Releases
 PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
0SITE EXCLUSION BOUNDARY CALCULATIONS:
0   W SECTOR     BOUNDARY DISTANCE = 1609.0 METERS
0LATERAL PLUME MEANDER/BUILDING WAKE CREDIT ALLOWED
 AS A FUNCTION OF DOWNWIND DISTANCE.
 MEANDER CREDIT IS FOR WINDSPEEDS LESS THAN 6 MPS.
 BUILDING WAKE CREDIT ALLOWED:   C=   .5     A=  1740.     D=   44.8
 CORRECTION FACTORS USED IN THE ANNUAL AVERAGE CALCULATIONS.
0BELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
 THE TOP NUMBER IS THE CHI/Q.  THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
 THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.
0   1.156E-04   1.102E-04   1.000E-04   8.179E-05   7.349E-05   6.251E-05   5.512E-05   5.471E-05   4.583E-05   4.168E-05
         .367        .459        .918       1.010       1.469       1.653       2.296       2.755       2.847       3.765
       .01585      .01981      .03962      .04359      .06340      .07132      .09906      .11887      .12283      .16245
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0   4.091E-05   3.126E-05   2.807E-05   2.728E-05   2.320E-05   2.046E-05   1.657E-05   1.617E-05   1.346E-05   1.177E-05
       3.857       6.612      16.070      16.804      24.885      27.548      27.824      44.261      44.353      72.819
      .16642      .28528      .69340      .72510     1.07378     1.18868     1.20057     1.90982     1.91378     3.14209
0   1.009E-05   8.491E-06   6.730E-06   5.944E-06   5.279E-06   4.038E-06   3.959E-06   2.884E-06   2.639E-06   2.019E-06
      73.278      81.635      84.389      85.124      85.308      88.062      88.338      89.807      91.368      91.827
     3.16190     3.52247     3.64134     3.67303     3.68096     3.79983     3.81171     3.87511     3.94247     3.96228
0   1.584E-06   1.131E-06   7.918E-07   5.525E-07   3.683E-07   2.210E-07   1.579E-07
      94.582      95.592      95.868      96.143      97.612      99.908     100.000
     4.08115     4.12473     4.13662     4.14851     4.21190     4.31096     4.31492
0          X/Q PERCENTILES
 (BASED ON THE UPPER ENVELOPE OF THE
 ORDERED X/Q-FREQUENCY VALUES, AND AS
 PLOTTED ON A LOG-NORMAL GRAPH.)
0 PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED
        CHI/Q      WITH RESPECT TO     WHEN THE WIND BLOWS
 SEC/CUBIC METER  THE TOTAL TIME      INTO THIS SECTOR ONLY

                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 3)=    .119
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 4)=    .693
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 5)=   1.073
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 6)=   3.139
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 7)=   3.519
     9.560E-05                .043              1.000
     5.310E-05                .129              3.000
     4.422E-05                .216              5.000
     3.399E-05                .431             10.000
     2.888E-05                .647             15.000
     2.555E-05                .863             20.000
     2.314E-05               1.079             25.000
     2.077E-05               1.294             30.000
     1.892E-05               1.510             35.000
     1.742E-05               1.726             40.000
     1.617E-05               1.942             45.000
     1.512E-05               2.157             50.000
     1.421E-05               2.373             55.000
     1.342E-05               2.589             60.000
     1.272E-05               2.805             65.000
     1.210E-05               3.020             70.000
     1.083E-05               3.236             75.000
     9.001E-06               3.452             80.000
0    3.207E-05               0.5               11.59
0ANNUAL AVERAGE =   1.19E-06
1USNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 12/17/2009

/PLANT NAME: SCE&G VCS U1  July20                METEOROLOGICAL INSTRUMENTATION
 DATA PERIOD: 03 - June2006 Ground               WIND SENSORS HEIGHT: 10-m
 TYPE OF RELEASE: -Level Release                 DELTA-T HEIGHTS: 10-m to 61-m
 SOURCE OF DATA: EAB=1609 m LPZ=4828 m
 COMMENTS: Accidental Releases
 PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
0SITE EXCLUSION BOUNDARY CALCULATIONS:
0 WNW SECTOR     BOUNDARY DISTANCE = 1609.0 METERS
0LATERAL PLUME MEANDER/BUILDING WAKE CREDIT ALLOWED
 AS A FUNCTION OF DOWNWIND DISTANCE.
 MEANDER CREDIT IS FOR WINDSPEEDS LESS THAN 6 MPS.
 BUILDING WAKE CREDIT ALLOWED:   C=   .5     A=  1740.     D=   44.8
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 CORRECTION FACTORS USED IN THE ANNUAL AVERAGE CALCULATIONS.
0BELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
 THE TOP NUMBER IS THE CHI/Q.  THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
 THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.
0   2.312E-04   1.734E-04   1.470E-04   1.156E-04   1.000E-04   8.671E-05   7.349E-05   6.251E-05   5.512E-05   5.471E-05
         .175        .350        .525       1.051       1.576       1.926       2.627       2.977       3.678       4.028
       .00396      .00792      .01189      .02377      .03566      .04359      .05943      .06736      .08321      .09113
0   4.583E-05   4.168E-05   3.126E-05   2.807E-05   2.728E-05   2.320E-05   2.046E-05   1.617E-05   1.346E-05   1.177E-05
        4.553       7.005      12.084      25.219      26.095      32.750      35.552      56.392      56.567      77.233
       .10302      .15849      .27340      .57057      .59038      .74095      .80434     1.27585     1.27982     1.74737
0   1.009E-05   8.491E-06   6.730E-06   5.944E-06   5.279E-06   4.038E-06   3.959E-06   2.884E-06   2.639E-06   1.584E-06
       77.758      80.560      83.538      83.713      83.888      88.091      88.441      88.967      90.193      92.995
      1.75925     1.82265     1.89001     1.89397     1.89793     1.99303     2.00095     2.01284     2.04057     2.10397
0   1.131E-06   7.918E-07   7.366E-07   5.525E-07   3.683E-07   2.210E-07   1.579E-07
       93.870      94.046      94.221      94.396      96.147      99.650     100.000
      2.12378     2.12774     2.13171     2.13567     2.17529     2.25454     2.26246
0          X/Q PERCENTILES
 (BASED ON THE UPPER ENVELOPE OF THE
 ORDERED X/Q-FREQUENCY VALUES, AND AS
 PLOTTED ON A LOG-NORMAL GRAPH.)
0 PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED
        CHI/Q      WITH RESPECT TO     WHEN THE WIND BLOWS
 SEC/CUBIC METER  THE TOTAL TIME      INTO THIS SECTOR ONLY

                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 2)=    .036
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 3)=    .570
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 4)=   1.274
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 5)=   1.745
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 6)=   1.888
     1.201E-04                .023              1.000
     7.643E-05                .068              3.000
     6.114E-05                .113              5.000
     4.446E-05                .226             10.000
     3.654E-05                .339             15.000
     3.163E-05                .452             20.000
     2.820E-05                .566             25.000
     2.504E-05                .679             30.000
     2.257E-05                .792             35.000
     2.060E-05                .905             40.000
     1.899E-05               1.018             45.000
     1.763E-05               1.131             50.000
     1.647E-05               1.244             55.000
     1.521E-05               1.357             60.000
     1.404E-05               1.471             65.000
     1.302E-05               1.584             70.000
     1.213E-05               1.697             75.000
     9.168E-06               1.810             80.000
0    3.006E-05               0.5               22.10
0ANNUAL AVERAGE =   7.52E-07
1USNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 12/17/2009

/PLANT NAME: SCE&G VCS U1  July20                METEOROLOGICAL INSTRUMENTATION
 DATA PERIOD: 03 - June2006 Ground               WIND SENSORS HEIGHT: 10-m
 TYPE OF RELEASE: -Level Release                 DELTA-T HEIGHTS: 10-m to 61-m
 SOURCE OF DATA: EAB=1609 m LPZ=4828 m
 COMMENTS: Accidental Releases
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 PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
0SITE EXCLUSION BOUNDARY CALCULATIONS:
0  NW SECTOR     BOUNDARY DISTANCE = 1609.0 METERS
0LATERAL PLUME MEANDER/BUILDING WAKE CREDIT ALLOWED
 AS A FUNCTION OF DOWNWIND DISTANCE.
 MEANDER CREDIT IS FOR WINDSPEEDS LESS THAN 6 MPS.
 BUILDING WAKE CREDIT ALLOWED:   C=   .5     A=  1740.     D=   44.8
 CORRECTION FACTORS USED IN THE ANNUAL AVERAGE CALCULATIONS.
0BELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
 THE TOP NUMBER IS THE CHI/Q.  THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
 THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.
0   2.312E-04   1.734E-04   1.470E-04   1.156E-04   1.102E-04   1.000E-04   8.671E-05   8.335E-05   7.349E-05   6.251E-05
         .261        .654        .784       1.176       1.307       2.222       2.353       2.484       4.575       4.837
       .00792      .01981      .02377      .03566      .03962      .06736      .07132      .07528      .13868      .14660
0   5.512E-05   5.471E-05   4.583E-05   4.168E-05   3.126E-05   2.807E-05   2.728E-05   2.320E-05   2.046E-05   1.657E-05
        6.275      11.634      13.333      15.163      18.824      35.294      36.340      43.922      47.320      47.974
       .19019      .35264      .40415      .45962      .57057     1.06982     1.10151     1.33133     1.43435     1.45416
0   1.617E-05   1.177E-05   1.160E-05   1.009E-05   8.491E-06   6.730E-06   5.944E-06   4.038E-06   3.959E-06   2.884E-06
       66.013      80.784      81.046      81.569      83.660      86.928      87.059      89.542      89.673      90.065
      2.00095     2.44869     2.45661     2.47246     2.53586     2.63492     2.63888     2.71416     2.71812     2.73001
0   2.639E-06   1.584E-06   1.131E-06   5.525E-07   3.683E-07   2.210E-07   1.579E-07
       92.288      93.987      94.118      94.248      96.993      99.608     100.000
      2.79737     2.84888     2.85284     2.85680     2.94001     3.01926     3.03114
0          X/Q PERCENTILES
 (BASED ON THE UPPER ENVELOPE OF THE
 ORDERED X/Q-FREQUENCY VALUES, AND AS
 PLOTTED ON A LOG-NORMAL GRAPH.)
0 PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED
        CHI/Q      WITH RESPECT TO     WHEN THE WIND BLOWS
 SEC/CUBIC METER  THE TOTAL TIME      INTO THIS SECTOR ONLY

                                                   HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 2)=    .020
                                                   HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 3)=    .139
                                                   HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 5)=   1.069
                                                   HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 6)=   1.999
                                                   HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 7)=   2.446
     1.452E-04              .030             1.000
     8.952E-05              .091             3.000
     7.153E-05              .152             5.000
     5.749E-05              .303            10.000
     4.730E-05              .455            15.000
     3.992E-05              .606            20.000
     3.486E-05              .758            25.000
     3.113E-05              .909            30.000
     2.823E-05             1.061            35.000
     2.524E-05             1.212            40.000
     2.280E-05             1.364            45.000
     2.078E-05             1.516            50.000
     1.909E-05             1.667            55.000
     1.765E-05             1.819            60.000
     1.641E-05             1.970            65.000
     1.476E-05             2.122            70.000
     1.325E-05             2.273            75.000
     1.196E-05             2.425            80.000
0    4.475E-05             0.5              16.50
0ANNUAL AVERAGE =   1.15E-06
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1USNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 12/17/2009

/PLANT NAME: SCE&G VCS U1  July20                METEOROLOGICAL INSTRUMENTATION
 DATA PERIOD: 03 - June2006 Ground               WIND SENSORS HEIGHT: 10-m
 TYPE OF RELEASE: -Level Release                 DELTA-T HEIGHTS: 10-m to 61-m
 SOURCE OF DATA: EAB=1609 m LPZ=4828 m
 COMMENTS: Accidental Releases
 PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
0SITE EXCLUSION BOUNDARY CALCULATIONS:
0 NNW SECTOR     BOUNDARY DISTANCE = 1609.0 METERS
0LATERAL PLUME MEANDER/BUILDING WAKE CREDIT ALLOWED
 AS A FUNCTION OF DOWNWIND DISTANCE.
 MEANDER CREDIT IS FOR WINDSPEEDS LESS THAN 6 MPS.
 BUILDING WAKE CREDIT ALLOWED:   C=   .5     A=  1740.     D=   44.8
 CORRECTION FACTORS USED IN THE ANNUAL AVERAGE CALCULATIONS.
0BELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
 THE TOP NUMBER IS THE CHI/Q.  THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
 THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.
0   2.205E-04   1.734E-04   1.470E-04   1.156E-04   1.102E-04   1.000E-04   8.671E-05   8.179E-05   7.349E-05   6.251E-05
        .068        .203        .270       1.284       1.622       5.541       6.419       6.892       8.649       8.919
      .00396      .01189      .01585      .07528      .09509      .32491      .37642      .40415      .50717      .52302
0   5.512E-05   5.471E-05   5.455E-05   4.583E-05   4.168E-05   4.091E-05   3.126E-05   2.807E-05   2.728E-05   2.320E-05
      12.770      24.730      24.797      28.446      30.000      30.203      36.351      53.243      54.865      60.811
      .74887     1.45019     1.45416     1.66812     1.75925     1.77114     2.13171     3.12228     3.21737     3.56605
0   2.046E-05   1.657E-05   1.617E-05   1.346E-05   1.177E-05   1.009E-05   8.491E-06   7.918E-06   6.730E-06   5.944E-06
      62.973      63.176      74.392      74.527      85.676      86.013      87.432      87.500      89.257      89.730
     3.69284     3.70473     4.36247     4.37039     5.02417     5.04398     5.12719     5.13115     5.23417     5.26191
0   5.279E-06   4.038E-06   3.959E-06   2.884E-06   2.639E-06   2.019E-06   1.584E-06   1.131E-06   7.918E-07   7.366E-07
      89.797      92.027      92.162      92.432      93.378      93.513      95.203      95.473      95.540      95.608
     5.26587     5.39662     5.40455     5.42040     5.47587     5.48379     5.58285     5.59870     5.60266     5.60662
0   5.525E-07   3.683E-07   2.210E-07   1.579E-07
      96.081      97.432      99.527     100.000
     5.63436     5.71361     5.83644     5.86417
0          X/Q PERCENTILES
 (BASED ON THE UPPER ENVELOPE OF THE
 ORDERED X/Q-FREQUENCY VALUES, AND AS
 PLOTTED ON A LOG-NORMAL GRAPH.)
0 PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED
        CHI/Q      WITH RESPECT TO     WHEN THE WIND BLOWS
 SEC/CUBIC METER  THE TOTAL TIME      INTO THIS SECTOR ONLY

                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 3)=   1.449
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 4)=   3.119
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 5)=   3.214
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 6)=   3.563
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 7)=   4.359
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 8)=   5.020
     1.402E-04              .059             1.000
     1.136E-04              .176             3.000
     1.022E-04              .293             5.000
     7.980E-05              .586            10.000
     6.774E-05              .880            15.000
     6.001E-05             1.173            20.000
     5.422E-05             1.466            25.000
     4.658E-05             1.759            30.000
     4.084E-05             2.052            35.000
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     3.634E-05              2.346              40.000
     3.273E-05              2.639              45.000
     2.974E-05              2.932              50.000
     2.717E-05              3.225              55.000
     2.370E-05              3.519              60.000
     2.062E-05              3.812              65.000
     1.806E-05              4.105              70.000
     1.588E-05              4.398              75.000
     1.375E-05              4.691              80.000
     1.199E-05              4.985              85.000
0    8.494E-05              0.5                 8.53
0ANNUAL AVERAGE =   2.63E-06
1USNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 12/17/2009

/PLANT NAME: SCE&G VCS U1  July20                METEOROLOGICAL INSTRUMENTATION
 DATA PERIOD: 03 - June2006 Ground               WIND SENSORS HEIGHT: 10-m
 TYPE OF RELEASE: -Level Release                 DELTA-T HEIGHTS: 10-m to 61-m
 SOURCE OF DATA: EAB=1609 m LPZ=4828 m
 COMMENTS: Accidental Releases
 PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
0SITE EXCLUSION BOUNDARY CALCULATIONS:
0   N SECTOR     BOUNDARY DISTANCE = 1609.0 METERS
0LATERAL PLUME MEANDER/BUILDING WAKE CREDIT ALLOWED
 AS A FUNCTION OF DOWNWIND DISTANCE.
 MEANDER CREDIT IS FOR WINDSPEEDS LESS THAN 6 MPS.
 BUILDING WAKE CREDIT ALLOWED:   C=   .5     A=  1740.     D=   44.8
 CORRECTION FACTORS USED IN THE ANNUAL AVERAGE CALCULATIONS.
0BELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
 THE TOP NUMBER IS THE CHI/Q.  THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
 THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.
0   2.312E-04   1.734E-04   1.470E-04   1.156E-04   1.102E-04   1.000E-04   8.671E-05   8.335E-05   8.179E-05   7.349E-05
         .214        .694       1.015       3.739       4.113       8.707      10.897      11.111      11.325      14.316
       .01585      .05151      .07528      .27736      .30510      .64585      .80831      .82415      .84000     1.06189
0   6.251E-05   5.512E-05   5.471E-05   4.583E-05   4.168E-05   4.091E-05   3.126E-05   2.807E-05   2.728E-05   2.320E-05
       14.850      18.697      29.113      30.876      34.615      34.776      39.316      53.152      54.647      61.432
      1.10151     1.38680     2.15944     2.29020     2.56756     2.57944     2.91624     3.94247     4.05341     4.55662
0   2.046E-05   1.657E-05   1.617E-05   1.346E-05   1.177E-05   1.160E-05   1.009E-05   8.491E-06   6.730E-06   5.944E-06
       63.729      64.156      70.994      71.047      80.876      80.983      81.464      83.814      86.218      87.340
      4.72700     4.75870     5.26587     5.26983     5.99889     6.00682     6.04248     6.21682     6.39512     6.47833
0   5.279E-06   4.038E-06   3.959E-06   2.884E-06   2.639E-06   2.019E-06   1.584E-06   1.131E-06   7.918E-07   7.366E-07
       87.393      90.064      90.118      90.812      92.041      92.308      94.979      95.780      95.940      96.047
      6.48229     6.68040     6.68437     6.73588     6.82701     6.84682     7.04493     7.10437     7.11625     7.12418
0   5.525E-07   3.683E-07   2.210E-07   1.579E-07   1.105E-07
       96.261      96.955      99.199      99.733     100.000
      7.14003     7.19154     7.35795     7.39758     7.41739
0          X/Q PERCENTILES
 (BASED ON THE UPPER ENVELOPE OF THE
 ORDERED X/Q-FREQUENCY VALUES, AND AS
 PLOTTED ON A LOG-NORMAL GRAPH.)
0 PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED
        CHI/Q      WITH RESPECT TO     WHEN THE WIND BLOWS
 SEC/CUBIC METER  THE TOTAL TIME      INTO THIS SECTOR ONLY

                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 3)=   2.157
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 4)=   4.050
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 5)=   4.553
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                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 6)=   5.995
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 7)=   6.391
     1.682E-04                .074              1.000
     1.309E-04                .223              3.000
     1.155E-04                .371              5.000
     9.376E-05                .742             10.000
     7.711E-05               1.113             15.000
     6.671E-05               1.483             20.000
     5.937E-05               1.854             25.000
     5.301E-05               2.225             30.000
     4.497E-05               2.596             35.000
     3.887E-05               2.967             40.000
     3.408E-05               3.338             45.000
     3.023E-05               3.709             50.000
     2.704E-05               4.080             55.000
     2.398E-05               4.450             60.000
     2.025E-05               4.821             65.000
     1.689E-05               5.192             70.000
     1.424E-05               5.563             75.000
     1.210E-05               5.934             80.000
     7.626E-06               6.305             85.000
0    1.070E-04               0.5                6.74
0ANNUAL AVERAGE =   3.69E-06
1USNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 12/17/2009

/PLANT NAME: SCE&G VCS U1  July20                METEOROLOGICAL INSTRUMENTATION
 DATA PERIOD: 03 - June2006 Ground               WIND SENSORS HEIGHT: 10-m
 TYPE OF RELEASE: -Level Release                 DELTA-T HEIGHTS: 10-m to 61-m
 SOURCE OF DATA: EAB=1609 m LPZ=4828 m
 COMMENTS: Accidental Releases
 PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
0SITE EXCLUSION BOUNDARY CALCULATIONS:
0 NNE SECTOR     BOUNDARY DISTANCE = 1609.0 METERS
0LATERAL PLUME MEANDER/BUILDING WAKE CREDIT ALLOWED
 AS A FUNCTION OF DOWNWIND DISTANCE.
 MEANDER CREDIT IS FOR WINDSPEEDS LESS THAN 6 MPS.
 BUILDING WAKE CREDIT ALLOWED:   C=   .5     A=  1740.     D=   44.8
 CORRECTION FACTORS USED IN THE ANNUAL AVERAGE CALCULATIONS.
0BELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
 THE TOP NUMBER IS THE CHI/Q.  THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
 THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.
0   2.312E-04   2.205E-04   1.734E-04   1.250E-04   1.156E-04   1.102E-04   1.000E-04   8.671E-05   8.335E-05   8.179E-05
        .087        .131        .524        .568       3.319       3.668       7.293       8.908       8.996       9.083
      .00792      .01189      .04755      .05151      .30113      .33283      .66170      .80830      .81623      .82415
0   7.349E-05   6.251E-05   5.842E-05   5.512E-05   5.471E-05   4.583E-05   4.168E-05   4.091E-05   3.126E-05   2.807E-05
      10.655      11.092      11.135      14.236      21.703      22.533      25.895      26.114      31.747      50.699
      .96680     1.00642     1.01038     1.29170     1.96925     2.04454     2.34963     2.36944     2.88058     4.60021
0   2.728E-05   2.320E-05   2.046E-05   1.657E-05   1.617E-05   1.346E-05   1.177E-05   1.160E-05   1.009E-05   8.491E-06
      52.009      59.563      62.271      62.576      69.782      69.956      78.603      78.646      79.127      81.572
     4.71907     5.40455     5.65021     5.67795     6.33172     6.34757     7.13210     7.13607     7.17965     7.40154
0   6.730E-06   5.944E-06   5.279E-06   4.572E-06   4.038E-06   3.959E-06   2.884E-06   2.639E-06   1.584E-06   1.131E-06
      83.712      83.930      84.105      84.148      86.463      86.812      87.293      89.782      92.576      93.144
     7.59569     7.61550     7.63135     7.63531     7.84531     7.87701     7.92060     8.14645     8.40003     8.45154
0   7.918E-07   7.366E-07   5.525E-07   3.683E-07   2.210E-07   1.579E-07   1.105E-07
      93.231      93.275      93.450      96.114      99.389      99.956     100.000
     8.45947     8.46343     8.47928     8.72098     9.01815     9.06966     9.07362
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0          X/Q PERCENTILES
 (BASED ON THE UPPER ENVELOPE OF THE
 ORDERED X/Q-FREQUENCY VALUES, AND AS
 PLOTTED ON A LOG-NORMAL GRAPH.)
0 PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED
        CHI/Q      WITH RESPECT TO     WHEN THE WIND BLOWS
 SEC/CUBIC METER  THE TOTAL TIME      INTO THIS SECTOR ONLY

                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 5)=   1.967
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 6)=   4.597
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 7)=   4.715
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 8)=   5.401
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 9)=   6.328
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE(10)=   7.128
     1.533E-04              .091             1.000
     1.223E-04              .272             3.000
     1.092E-04              .454             5.000
     8.471E-05              .907            10.000
     6.778E-05             1.361            15.000
     5.742E-05             1.815            20.000
     4.927E-05             2.268            25.000
     4.289E-05             2.722            30.000
     3.803E-05             3.176            35.000
     3.417E-05             3.629            40.000
     3.102E-05             4.083            45.000
     2.841E-05             4.537            50.000
     2.553E-05             4.990            55.000
     2.283E-05             5.444            60.000
     1.904E-05             5.898            65.000
     1.604E-05             6.352            70.000
     1.336E-05             6.805            75.000
0    1.068E-04             0.5               5.51
0ANNUAL AVERAGE =   4.13E-06
1USNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 12/17/2009

/PLANT NAME: SCE&G VCS U1  July20                METEOROLOGICAL INSTRUMENTATION
 DATA PERIOD: 03 - June2006 Ground               WIND SENSORS HEIGHT: 10-m
 TYPE OF RELEASE: -Level Release                 DELTA-T HEIGHTS: 10-m to 61-m
 SOURCE OF DATA: EAB=1609 m LPZ=4828 m
 COMMENTS: Accidental Releases
 PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
0SITE EXCLUSION BOUNDARY CALCULATIONS:
0  NE SECTOR     BOUNDARY DISTANCE = 1609.0 METERS
0LATERAL PLUME MEANDER/BUILDING WAKE CREDIT ALLOWED
 AS A FUNCTION OF DOWNWIND DISTANCE.
 MEANDER CREDIT IS FOR WINDSPEEDS LESS THAN 6 MPS.
 BUILDING WAKE CREDIT ALLOWED:   C=   .5     A=  1740.     D=   44.8
 CORRECTION FACTORS USED IN THE ANNUAL AVERAGE CALCULATIONS.
0BELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
 THE TOP NUMBER IS THE CHI/Q.  THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
 THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.
0   3.468E-04   2.312E-04   1.734E-04   1.470E-04   1.156E-04   1.102E-04   1.000E-04   8.671E-05   8.335E-05   8.179E-05
         .034        .170        .951       1.121       4.448       4.754       8.183      10.017      10.085      10.119
       .00396      .01981      .11094      .13076      .51906      .55472      .95491     1.16887     1.17680     1.18076
0   7.349E-05   6.251E-05   5.512E-05   5.471E-05   5.455E-05   4.583E-05   4.168E-05   4.091E-05   3.126E-05   2.807E-05
        12.156      12.598      16.638      22.954      23.022      23.192      27.233      27.538      34.771      50.628
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      1.41850     1.47001     1.94152     2.67850     2.68643     2.70624     3.17775     3.21341     4.05737     5.90776
0   2.728E-05   2.320E-05   2.046E-05   1.657E-05   1.617E-05   1.346E-05   1.177E-05   1.009E-05   8.491E-06   6.730E-06
     52.088      56.163      58.540      58.608      67.199      67.402      74.737      75.518      76.503      78.913
      6.07814     6.55361     6.83097     6.83889     7.84135     7.86512     8.72098     8.81211     8.92702     9.20834
0   5.279E-06   4.038E-06   3.959E-06   2.884E-06   2.639E-06   1.584E-06   1.131E-06   1.105E-06   7.366E-07   5.525E-07
     79.185      80.883      81.630      82.105      84.991      86.995      87.131      87.165      87.436      88.319
      9.24004     9.43815     9.52532     9.58079     9.91758    10.15136    10.16721    10.17117    10.20287    10.30589
0   3.683E-07   2.210E-07   1.579E-07
     95.076      99.626     100.000
     11.09438    11.62533    11.66891
0          X/Q PERCENTILES
 (BASED ON THE UPPER ENVELOPE OF THE
 ORDERED X/Q-FREQUENCY VALUES, AND AS
 PLOTTED ON A LOG-NORMAL GRAPH.)
0 PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED
        CHI/Q      WITH RESPECT TO     WHEN THE WIND BLOWS
 SEC/CUBIC METER  THE TOTAL TIME      INTO THIS SECTOR ONLY

                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 3)=   2.676
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 4)=   5.904
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 5)=   6.074
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 6)=   7.838
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 7)=   8.717
     1.722E-04                .117              1.000
     1.315E-04                .350              3.000
     1.149E-04                .583              5.000
     8.954E-05               1.167             10.000
     7.094E-05               1.750             15.000
     5.962E-05               2.334             20.000
     5.114E-05               2.917             25.000
     4.413E-05               3.501             30.000
     3.881E-05               4.084             35.000
     3.461E-05               4.668             40.000
     3.121E-05               5.251             45.000
     2.839E-05               5.834             50.000
     2.446E-05               6.418             55.000
     2.048E-05               7.001             60.000
     1.735E-05               7.585             65.000
     1.433E-05               8.168             70.000
0    1.197E-04               0.5                4.28
0ANNUAL AVERAGE =   5.53E-06
1USNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 12/17/2009

/PLANT NAME: SCE&G VCS U1  July20                METEOROLOGICAL INSTRUMENTATION
 DATA PERIOD: 03 - June2006 Ground               WIND SENSORS HEIGHT: 10-m
 TYPE OF RELEASE: -Level Release                 DELTA-T HEIGHTS: 10-m to 61-m
 SOURCE OF DATA: EAB=1609 m LPZ=4828 m
 COMMENTS: Accidental Releases
 PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
0SITE EXCLUSION BOUNDARY CALCULATIONS:
0 ENE SECTOR     BOUNDARY DISTANCE = 1609.0 METERS
0LATERAL PLUME MEANDER/BUILDING WAKE CREDIT ALLOWED
 AS A FUNCTION OF DOWNWIND DISTANCE.
 MEANDER CREDIT IS FOR WINDSPEEDS LESS THAN 6 MPS.
 BUILDING WAKE CREDIT ALLOWED:   C=   .5     A=  1740.     D=   44.8
 CORRECTION FACTORS USED IN THE ANNUAL AVERAGE CALCULATIONS.
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0BELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
 THE TOP NUMBER IS THE CHI/Q.  THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
 THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.
0   2.312E-04   1.734E-04   1.470E-04   1.250E-04   1.156E-04   1.102E-04   1.000E-04   8.671E-05   8.335E-05   7.349E-05
         .073       1.055       1.091       1.128       6.148       6.912      10.731      13.714      13.823      15.606
       .00792      .11491      .11887      .12283      .66963      .75283     1.16887     1.49378     1.50567     1.69982
0   6.251E-05   5.512E-05   5.471E-05   5.455E-05   4.583E-05   4.168E-05   4.091E-05   3.126E-05   2.807E-05   2.728E-05
       15.933      18.952      23.136      23.318      23.390      26.992      27.392      32.666      43.616      45.289
      1.73548     2.06435     2.52001     2.53982     2.54775     2.94001     2.98360     3.55813     4.75077     4.93304
0   2.320E-05   2.046E-05   2.019E-05   1.657E-05   1.617E-05   1.346E-05   1.177E-05   1.009E-05   8.491E-06   6.730E-06
       49.072      52.128      52.164      52.237      60.058      60.422      66.606      67.843      68.498      70.898
      5.34512     5.67795     5.68191     5.68983     6.54172     6.58135     7.25493     7.38965     7.46097     7.72248
0   5.279E-06   4.038E-06   3.959E-06   2.884E-06   2.639E-06   2.019E-06   1.584E-06   1.131E-06   7.366E-07   5.525E-07
       71.226      73.045      73.554      73.809      77.083      77.119      79.483      79.702      79.884      81.484
      7.75814     7.95626     8.01173     8.03946     8.39607     8.40003     8.65758     8.68135     8.70117     8.87551
0   3.683E-07   2.210E-07   1.579E-07
       89.196      98.763     100.000
      9.71551    10.75759    10.89231
0          X/Q PERCENTILES
 (BASED ON THE UPPER ENVELOPE OF THE
 ORDERED X/Q-FREQUENCY VALUES, AND AS
 PLOTTED ON A LOG-NORMAL GRAPH.)
0 PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED
        CHI/Q      WITH RESPECT TO     WHEN THE WIND BLOWS
 SEC/CUBIC METER  THE TOTAL TIME      INTO THIS SECTOR ONLY

                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 4)=   1.492
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 5)=   2.537
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 6)=   4.929
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 7)=   6.538
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 8)=   7.251
     1.745E-04              .109             1.000
     1.375E-04              .327             3.000
     1.217E-04              .545             5.000
     1.019E-04             1.089            10.000
     8.039E-05             1.634            15.000
     6.262E-05             2.178            20.000
     5.091E-05             2.723            25.000
     4.234E-05             3.268            30.000
     3.606E-05             3.812            35.000
     3.126E-05             4.357            40.000
     2.747E-05             4.902            45.000
     2.279E-05             5.446            50.000
     1.910E-05             5.991            55.000
     1.620E-05             6.535            60.000
     1.270E-05             7.080            65.000
0    1.243E-04             0.5               4.59
0ANNUAL AVERAGE =   5.00E-06
1USNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 12/17/2009

/PLANT NAME: SCE&G VCS U1  July20                METEOROLOGICAL INSTRUMENTATION
 DATA PERIOD: 03 - June2006 Ground               WIND SENSORS HEIGHT: 10-m
 TYPE OF RELEASE: -Level Release                 DELTA-T HEIGHTS: 10-m to 61-m
 SOURCE OF DATA: EAB=1609 m LPZ=4828 m
 COMMENTS: Accidental Releases
 PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
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0SITE EXCLUSION BOUNDARY CALCULATIONS:
0   E SECTOR     BOUNDARY DISTANCE = 1609.0 METERS
0LATERAL PLUME MEANDER/BUILDING WAKE CREDIT ALLOWED
 AS A FUNCTION OF DOWNWIND DISTANCE.
 MEANDER CREDIT IS FOR WINDSPEEDS LESS THAN 6 MPS.
 BUILDING WAKE CREDIT ALLOWED:   C=   .5     A=  1740.     D=   44.8
 CORRECTION FACTORS USED IN THE ANNUAL AVERAGE CALCULATIONS.
0BELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
 THE TOP NUMBER IS THE CHI/Q.  THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
 THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.
0   3.468E-04   2.312E-04   2.205E-04   1.734E-04   1.470E-04   1.156E-04   1.102E-04   1.000E-04   8.671E-05   8.335E-05
        .041        .248        .289        .991       1.156       6.356       6.810      10.607      13.950      14.032
      .00396      .02377      .02774      .09509      .11094      .61019      .65378     1.01831     1.33925     1.34718
0   8.179E-05   7.349E-05   6.251E-05   5.512E-05   5.471E-05   5.455E-05   4.583E-05   4.168E-05   4.091E-05   3.126E-05
       14.073      16.674      17.128      19.274      24.309      24.391      24.639      27.487      27.858      31.572
      1.35114     1.60076     1.64435     1.85038     2.33378     2.34171     2.36548     2.63888     2.67454     3.03114
0   2.807E-05   2.728E-05   2.320E-05   2.046E-05   1.657E-05   1.617E-05   1.346E-05   1.177E-05   1.009E-05   8.491E-06
       46.471      48.700      53.776      56.459      56.748      64.507      64.672      74.247      74.742      77.383
      4.46153     4.67549     5.16285     5.42040     5.44813     6.19304     6.20889     7.12814     7.17569     7.42927
0   7.918E-06   6.730E-06   5.944E-06   5.279E-06   4.038E-06   3.959E-06   2.884E-06   2.639E-06   1.584E-06   1.131E-06
       77.466      79.323      79.447      79.571      82.460      83.161      83.698      85.555      88.073      89.517
      7.43720     7.61550     7.62739     7.63927     7.91663     7.98399     8.03550     8.21380     8.45550     8.59418
0   1.105E-06   7.918E-07   7.366E-07   5.525E-07   3.683E-07   2.210E-07   1.579E-07   1.105E-07
       89.558      89.765      89.930      90.755      92.654      98.762      99.959     100.000
      8.59814     8.61796     8.63380     8.71305     8.89532     9.48173     9.59664     9.60060
0          X/Q PERCENTILES
 (BASED ON THE UPPER ENVELOPE OF THE
 ORDERED X/Q-FREQUENCY VALUES, AND AS
 PLOTTED ON A LOG-NORMAL GRAPH.)
0 PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED
        CHI/Q      WITH RESPECT TO     WHEN THE WIND BLOWS
 SEC/CUBIC METER  THE TOTAL TIME      INTO THIS SECTOR ONLY

                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 4)=   1.338
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 5)=   2.339
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 6)=   4.672
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 7)=   5.159
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 8)=   6.189
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 9)=   7.124
     1.822E-04              .096              1.000
     1.404E-04              .288              3.000
     1.232E-04              .480              5.000
     1.017E-04              .960             10.000
     8.182E-05             1.440             15.000
     6.460E-05             1.920             20.000
     5.329E-05             2.400             25.000
     4.472E-05             2.880             30.000
     3.839E-05             3.360             35.000
     3.352E-05             3.840             40.000
     2.966E-05             4.320             45.000
     2.614E-05             4.800             50.000
     2.221E-05             5.280             55.000
     1.870E-05             5.760             60.000
     1.590E-05             6.240             65.000
     1.346E-05             6.720             70.000
0    1.219E-04             0.5                5.21
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0ANNUAL AVERAGE =    4.64E-06
1USNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 12/17/2009

/PLANT NAME: SCE&G VCS U1  July20                METEOROLOGICAL INSTRUMENTATION
 DATA PERIOD: 03 - June2006 Ground               WIND SENSORS HEIGHT: 10-m
 TYPE OF RELEASE: -Level Release                 DELTA-T HEIGHTS: 10-m to 61-m
 SOURCE OF DATA: EAB=1609 m LPZ=4828 m
 COMMENTS: Accidental Releases
 PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
0SITE EXCLUSION BOUNDARY CALCULATIONS:
0 ESE SECTOR     BOUNDARY DISTANCE = 1609.0 METERS
0LATERAL PLUME MEANDER/BUILDING WAKE CREDIT ALLOWED
 AS A FUNCTION OF DOWNWIND DISTANCE.
 MEANDER CREDIT IS FOR WINDSPEEDS LESS THAN 6 MPS.
 BUILDING WAKE CREDIT ALLOWED:   C=   .5     A=  1740.     D=   44.8
 CORRECTION FACTORS USED IN THE ANNUAL AVERAGE CALCULATIONS.
0BELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
 THE TOP NUMBER IS THE CHI/Q.  THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
 THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.
0   3.468E-04   2.312E-04   1.734E-04   1.470E-04   1.250E-04   1.156E-04   1.102E-04   1.000E-04   8.671E-05   8.335E-05
         .094        .187       1.216       1.590       1.684       6.174       7.109      10.196      12.535      13.096
       .00396      .00792      .05151      .06736      .07132      .26151      .30113      .43189      .53095      .55472
0   7.349E-05   6.251E-05   5.512E-05   5.471E-05   5.455E-05   4.583E-05   4.168E-05   4.091E-05   3.126E-05   2.807E-05
      17.399      18.335      21.515      26.660      27.035      27.315      32.367      33.396      38.354      48.644
      .73698      .77661      .91132     1.12925     1.14510     1.15699     1.37095     1.41453     1.62453     2.06039
0   2.728E-05   2.320E-05   2.046E-05   1.617E-05   1.346E-05   1.177E-05   1.009E-05   8.491E-06   6.730E-06   5.279E-06
      52.105      53.508      58.372      67.072      67.633      73.340      74.649      75.865      78.765      78.952
     2.20699     2.26642     2.47246     2.84095     2.86473     3.10643     3.16190     3.21341     3.33624     3.34416
0   4.038E-06   3.959E-06   2.884E-06   2.639E-06   1.584E-06   1.131E-06   7.366E-07   5.525E-07   3.683E-07   2.210E-07
      82.226      82.975      83.349      86.249      90.458      90.833      91.207      91.862      95.136      99.626
     3.48284     3.51454     3.53039     3.65322     3.83152     3.84737     3.86322     3.89096     4.02964     4.21983
0   1.579E-07
     100.000
     4.23568
0          X/Q PERCENTILES
 (BASED ON THE UPPER ENVELOPE OF THE
 ORDERED X/Q-FREQUENCY VALUES, AND AS
 PLOTTED ON A LOG-NORMAL GRAPH.)
0 PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED
       CHI/Q      WITH RESPECT TO     WHEN THE WIND BLOWS
 SEC/CUBIC METER  THE TOTAL TIME      INTO THIS SECTOR ONLY

                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 3)=    .736
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 4)=   1.144
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 5)=   2.205
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 6)=   2.838
     1.953E-04              .042              1.000
     1.447E-04              .127              3.000
     1.247E-04              .212              5.000
     1.006E-04              .424             10.000
     8.021E-05              .635             15.000
     6.700E-05              .847             20.000
     5.759E-05             1.059             25.000
     4.908E-05             1.271             30.000
     4.185E-05             1.482             35.000
     3.635E-05             1.694             40.000
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     3.203E-05              1.906              45.000
     2.855E-05              2.118              50.000
     2.443E-05              2.330              55.000
     2.042E-05              2.541              60.000
     1.728E-05              2.753              65.000
0    9.208E-05              0.5                11.80
0ANNUAL AVERAGE =   2.32E-06
1USNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 12/17/2009

/PLANT NAME: SCE&G VCS U1  July20                METEOROLOGICAL INSTRUMENTATION
 DATA PERIOD: 03 - June2006 Ground               WIND SENSORS HEIGHT: 10-m
 TYPE OF RELEASE: -Level Release                 DELTA-T HEIGHTS: 10-m to 61-m
 SOURCE OF DATA: EAB=1609 m LPZ=4828 m
 COMMENTS: Accidental Releases
 PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
0SITE EXCLUSION BOUNDARY CALCULATIONS:
0  SE SECTOR     BOUNDARY DISTANCE = 1609.0 METERS
0LATERAL PLUME MEANDER/BUILDING WAKE CREDIT ALLOWED
 AS A FUNCTION OF DOWNWIND DISTANCE.
 MEANDER CREDIT IS FOR WINDSPEEDS LESS THAN 6 MPS.
 BUILDING WAKE CREDIT ALLOWED:   C=   .5     A=  1740.     D=   44.8
 CORRECTION FACTORS USED IN THE ANNUAL AVERAGE CALCULATIONS.
0BELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
 THE TOP NUMBER IS THE CHI/Q.  THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
 THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.
0   2.312E-04   1.734E-04   1.156E-04   1.102E-04   1.000E-04   8.671E-05   8.335E-05   7.349E-05   6.251E-05   5.512E-05
        .111        .996       2.212       2.876       4.646       5.752       5.973       7.522       8.407      10.951
      .00396      .03566      .07925      .10302      .16642      .20604      .21396      .26943      .30113      .39227
0   5.471E-05   5.455E-05   4.583E-05   4.168E-05   4.091E-05   3.126E-05   2.807E-05   2.728E-05   2.320E-05   2.046E-05
      14.270      14.381      14.602      17.478      18.142      21.460      29.425      31.637      34.845      38.717
      .51113      .51510      .52302      .62604      .64981      .76868     1.05397     1.13321     1.24812     1.38680
0   1.657E-05   1.617E-05   1.346E-05   1.177E-05   1.009E-05   8.491E-06   6.730E-06   5.944E-06   5.279E-06   4.572E-06
      38.827      50.774      51.438      62.832      63.717      67.367      70.907      71.460      71.571      71.681
     1.39076     1.81869     1.84246     2.25057     2.28227     2.41303     2.53982     2.55963     2.56359     2.56756
0   4.038E-06   3.959E-06   2.884E-06   2.639E-06   2.019E-06   1.584E-06   1.131E-06   7.918E-07   7.366E-07   5.525E-07
      74.889      75.774      77.323      81.084      81.416      86.283      87.611      88.606      89.159      89.934
     2.68246     2.71416     2.76963     2.90435     2.91624     3.09058     3.13812     3.17379     3.19360     3.22133
0   3.683E-07   2.210E-07   1.579E-07   1.105E-07
      93.031      98.894      99.779     100.000
     3.33228     3.54228     3.57398     3.58190
0          X/Q PERCENTILES
 (BASED ON THE UPPER ENVELOPE OF THE
 ORDERED X/Q-FREQUENCY VALUES, AND AS
 PLOTTED ON A LOG-NORMAL GRAPH.)
0 PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED
       CHI/Q      WITH RESPECT TO     WHEN THE WIND BLOWS
 SEC/CUBIC METER  THE TOTAL TIME      INTO THIS SECTOR ONLY

                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 3)=    .166
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 4)=    .514
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 5)=   1.132
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 6)=   1.817
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 7)=   2.248
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 8)=   2.537
     1.732E-04              .036               1.000
     1.177E-04              .107               3.000
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     9.633E-05                .179              5.000
     6.679E-05                .358             10.000
     5.265E-05                .537             15.000
     4.114E-05                .716             20.000
     3.378E-05                .895             25.000
     2.864E-05               1.075             30.000
     2.446E-05               1.254             35.000
     2.114E-05               1.433             40.000
     1.854E-05               1.612             45.000
     1.646E-05               1.791             50.000
     1.437E-05               1.970             55.000
     1.262E-05               2.149             60.000
     1.007E-05               2.328             65.000
     7.146E-06               2.507             70.000
0    5.548E-05               0.5               13.96
0ANNUAL AVERAGE =   1.34E-06
1USNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 12/17/2009

/PLANT NAME: SCE&G VCS U1  July20                METEOROLOGICAL INSTRUMENTATION
 DATA PERIOD: 03 - June2006 Ground               WIND SENSORS HEIGHT: 10-m
 TYPE OF RELEASE: -Level Release                 DELTA-T HEIGHTS: 10-m to 61-m
 SOURCE OF DATA: EAB=1609 m LPZ=4828 m
 COMMENTS: Accidental Releases
 PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
0SITE EXCLUSION BOUNDARY CALCULATIONS:
0 SSE SECTOR     BOUNDARY DISTANCE = 1609.0 METERS
0LATERAL PLUME MEANDER/BUILDING WAKE CREDIT ALLOWED
 AS A FUNCTION OF DOWNWIND DISTANCE.
 MEANDER CREDIT IS FOR WINDSPEEDS LESS THAN 6 MPS.
 BUILDING WAKE CREDIT ALLOWED:   C=   .5     A=  1740.     D=   44.8
 CORRECTION FACTORS USED IN THE ANNUAL AVERAGE CALCULATIONS.
0BELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
 THE TOP NUMBER IS THE CHI/Q.  THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
 THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.
0   1.734E-04   1.470E-04   1.156E-04   1.102E-04   1.000E-04   8.671E-05   7.349E-05   6.251E-05   5.512E-05   5.471E-05
        .266        .399        .932       1.198       1.864       1.997       3.728       4.527       5.193       5.992
      .00792      .01189      .02774      .03566      .05547      .05943      .11094      .13472      .15453      .17830
0   5.455E-05   4.583E-05   4.168E-05   4.091E-05   3.126E-05   2.807E-05   2.728E-05   2.320E-05   2.046E-05   1.657E-05
       6.391       6.791       8.788       9.720      11.585      18.109      21.305      26.631      29.028      29.694
      .19019      .20208      .26151      .28925      .34472      .53887      .63396      .79246      .86378      .88359
0   1.617E-05   1.346E-05   1.177E-05   1.160E-05   1.009E-05   8.491E-06   6.730E-06   5.944E-06   5.279E-06   4.572E-06
      39.547      40.879      54.461      54.727      56.591      64.314      68.043      72.836      74.035      74.168
     1.17680     1.21642     1.62057     1.62850     1.68397     1.91378     2.02472     2.16737     2.20303     2.20699
0   4.038E-06   3.959E-06   2.884E-06   2.639E-06   2.019E-06   1.584E-06   1.131E-06   7.918E-07   7.366E-07   6.091E-07
      76.831      78.562      79.760      82.823      84.288      87.084      88.682      89.614      89.880      90.013
     2.28624     2.33774     2.37341     2.46454     2.50812     2.59133     2.63888     2.66661     2.67454     2.67850
0   5.525E-07   3.683E-07   2.210E-07   1.579E-07   1.105E-07   8.500E-08
      92.676      96.405      98.402      99.068      99.867     100.000
     2.75775     2.86869     2.92812     2.94794     2.97171     2.97567
0          X/Q PERCENTILES
 (BASED ON THE UPPER ENVELOPE OF THE
 ORDERED X/Q-FREQUENCY VALUES, AND AS
 PLOTTED ON A LOG-NORMAL GRAPH.)
0 PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED
        CHI/Q      WITH RESPECT TO     WHEN THE WIND BLOWS
 SEC/CUBIC METER  THE TOTAL TIME      INTO THIS SECTOR ONLY
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                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 2)=    .055
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 3)=    .111
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 4)=    .190
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 5)=    .633
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 6)=    .792
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 7)=   1.175
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 8)=   1.619
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 9)=   1.912
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE(10)=   2.165
     1.202E-04                .030              1.000
     8.109E-05                .089              3.000
     6.259E-05                .149              5.000
     4.257E-05                .298             10.000
     3.368E-05                .446             15.000
     2.835E-05                .595             20.000
     2.430E-05                .744             25.000
     2.085E-05                .893             30.000
     1.812E-05               1.041             35.000
     1.600E-05               1.190             40.000
     1.425E-05               1.339             45.000
     1.283E-05               1.488             50.000
     1.155E-05               1.637             55.000
     9.742E-06               1.785             60.000
     8.239E-06               1.934             65.000
     6.666E-06               2.083             70.000
0    3.149E-05               0.5               16.80
0ANNUAL AVERAGE =   8.83E-07
1USNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 12/17/2009

/PLANT NAME: SCE&G VCS U1  July20                METEOROLOGICAL INSTRUMENTATION
 DATA PERIOD: 03 - June2006 Ground               WIND SENSORS HEIGHT: 10-m
 TYPE OF RELEASE: -Level Release                 DELTA-T HEIGHTS: 10-m to 61-m
 SOURCE OF DATA: EAB=1609 m LPZ=4828 m
 COMMENTS: Accidental Releases
 PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
0SITE EXCLUSION BOUNDARY CALCULATIONS:
 DIRECTION-INDEPENDENT (S.R.P 2.3.4) MODEL.
 MINIMUM BOUNDARY DISTANCE = 1609.0 METERS.
 BUILDING WAKE CREDIT ALLOWED:   C=   .5     A=  1740.     D=   44.8
 CORRECTION FACTORS USED IN THE ANNUAL AVERAGE CALCULATIONS.
0BELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
 THE TOP NUMBER IS THE CHI/Q.  THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
 THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.
0   8.179E-04   5.452E-04   4.583E-04   4.089E-04   3.055E-04   2.726E-04   2.320E-04   2.291E-04   2.045E-04   1.547E-04
        .012        .099        .111        .567        .674       2.940       2.952       3.277       4.664       4.767
      .01189      .09906      .11094      .56661      .67359     2.94001     2.95190     3.27680     4.66360     4.76662
0   1.528E-04   1.363E-04   1.189E-04   1.160E-04   1.146E-04   8.179E-05   7.925E-05   7.734E-05   7.638E-05   5.944E-05
       6.367       8.753       8.757       9.145      11.380      11.443      11.522      14.122      18.678      18.987
     6.36738     8.75267     8.75664     9.14494    11.37967    11.44306    11.52231    14.12156    18.67818    18.98724
0   5.842E-05   5.801E-05   4.583E-05   3.963E-05   3.867E-05   2.972E-05   2.692E-05   2.320E-05   2.019E-05   1.981E-05
      18.991      23.053      23.639      25.287      36.421      39.183      39.187      43.732      43.736      53.186
    18.99120    23.05254    23.63896    25.28726    36.42127    39.18298    39.18694    43.73167    43.73564    53.18568
0   1.657E-05   1.346E-05   1.189E-05   1.160E-05   1.009E-05   8.491E-06   7.918E-06   6.730E-06   5.944E-06   5.279E-06
      53.427      53.736      67.188      67.228      68.072      74.661      74.673      77.268      78.723      78.952
    53.42738    53.73643    67.18837    67.22799    68.07195    74.66122    74.67311    77.26840    78.72256    78.95237
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0   4.572E-06   4.038E-06   3.959E-06   2.884E-06   2.639E-06   2.019E-06   1.584E-06   1.553E-06   1.131E-06   1.122E-06
      79.004      81.908      82.475      84.087      86.326      87.031      89.559      89.571      90.415      90.419
    79.00388    81.90822    82.47482    84.08747    86.32616    87.03144    89.55937    89.57126    90.41522    90.41918
0   1.105E-06   7.918E-07   7.366E-07   6.091E-07   5.525E-07   3.683E-07   2.210E-07   1.579E-07   1.105E-07   8.500E-08
      90.427      90.748      90.966      90.982      91.905      95.237      99.073      99.838      99.988     100.000
    90.42711    90.74805    90.96598    90.98183    91.90504    95.23731    99.07280    99.83752    99.98808    99.99997
0          X/Q PERCENTILES
 (BASED ON THE UPPER ENVELOPE OF THE
 ORDERED X/Q-FREQUENCY VALUES, AND AS
 PLOTTED ON A LOG-NORMAL GRAPH.)
0 PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED
        CHI/Q      WITH RESPECT TO     WHEN THE WIND BLOWS
 SEC/CUBIC METER  THE TOTAL TIME      INTO THIS SECTOR ONLY

                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 4)=  11.377
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 5)=  18.681
     3.591E-04              1.000              1.000
     2.696E-04              3.000              3.000
     1.998E-04              5.000              5.000
     1.260E-04             10.000             10.000
     9.215E-05             15.000             15.000
     7.190E-05             20.000             20.000
     5.830E-05             25.000             25.000
     4.829E-05             30.000             30.000
     4.056E-05             35.000             35.000
     3.362E-05             40.000             40.000
     2.780E-05             45.000             45.000
     2.306E-05             50.000             50.000
     1.913E-05             55.000             55.000
     1.582E-05             60.000             60.000
     1.300E-05             65.000             65.000
     1.060E-05             70.000             70.000
     8.526E-06             75.000             75.000
     6.692E-06             80.000             80.000
     5.045E-06             85.000             85.000
     3.537E-06             90.000             90.000
0    1.998E-04              5.0                5.00
1USNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 12/17/2009

/PLANT NAME: SCE&G VCS U1  July20                METEOROLOGICAL INSTRUMENTATION
 DATA PERIOD: 03 - June2006 Ground               WIND SENSORS HEIGHT: 10-m
 TYPE OF RELEASE: -Level Release                 DELTA-T HEIGHTS: 10-m to 61-m
 SOURCE OF DATA: EAB=1609 m LPZ=4828 m
 COMMENTS: Accidental Releases
 PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
0SITE EXCLUSION BOUNDARY CALCULATIONS:
0FIVE PERCENT OVERALL SITE LIMIT
 BUILDING WAKE CREDIT ALLOWED:   C=   .5     A=  1740.     D=   44.8
 CORRECTION FACTORS USED IN THE ANNUAL AVERAGE CALCULATIONS.
0BELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
 THE TOP NUMBER IS THE CHI/Q.  THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
 THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.
0   3.468E-04   2.312E-04   2.205E-04   1.734E-04   1.470E-04   1.250E-04   1.156E-04   1.102E-04   1.000E-04   8.671E-05
        .012        .099        .111        .567        .674        .685       2.952       3.277       5.662       7.049
      .01189      .09906      .11094      .56661      .67359      .68547     2.95190     3.27680     5.66210     7.04890
0   8.335E-05   8.183E-05   8.179E-05   7.349E-05   6.251E-05   5.842E-05   5.512E-05   5.471E-05   5.455E-05   4.583E-05
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	7.152	7.156	7.219	8.820	9.208	9.212	11.447	16.004	16.083	16.669
	7.15192	7.15588	7.21928	8.82004	9.20835	9.21231	11.44703	16.00366	16.08290	16.66932
0	4.168E-05	4.091E-05	3.126E-05	2.807E-05	2.728E-05	2.692E-05	2.320E-05	2.046E-05	2.019E-05	1.657E-05
	19.269	19.578	23.639	34.773	36.421	36.425	40.970	43.732	43.736	43.977
	19.26857	19.57763	23.63896	34.77297	36.42128	36.42525	40.96999	43.73170	43.73566	43.97736
0	1.617E-05	1.346E-05	1.177E-05	1.160E-05	1.009E-05	8.491E-06	7.918E-06	6.730E-06	5.944E-06	5.279E-06
	53.427	53.736	67.188	67.228	68.072	74.661	74.673	77.268	78.723	78.952
	53.42739	53.73645	67.18839	67.22802	68.07200	74.66127	74.67316	77.26845	78.72260	78.95241
0	4.572E-06	4.038E-06	3.959E-06	2.884E-06	2.639E-06	2.019E-06	1.584E-06	1.553E-06	1.131E-06	1.122E-06
	79.004	81.908	82.475	84.088	86.326	87.032	89.559	89.571	90.415	90.419
	79.00391	81.90824	82.47485	84.08749	86.32619	87.03149	89.55941	89.57130	90.41525	90.41920
0	1.105E-06	7.918E-07	7.366E-07	6.091E-07	5.525E-07	3.683E-07	2.210E-07	1.579E-07	1.105E-07	8.500E-08
	90.427	90.748	90.966	90.982	91.905	95.237	99.073	99.838	99.988	100.000
	90.42712	90.74806	90.96599	90.98183	91.90503	95.23731	99.07280	99.83751	99.98807	99.99995

0 X/Q PERCENTILES
(BASED ON THE UPPER ENVELOPE OF THE
ORDERED X/Q-FREQUENCY VALUES, AND AS
PLOTTED ON A LOG-NORMAL GRAPH.)

0 PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED

CHI/Q SEC/CUBIC METER	WITH RESPECT TO THE TOTAL TIME	WHEN THE WIND BLOWS INTO THIS SECTOR ONLY
1.555E-04	1.000	1.000
1.193E-04	3.000	3.000
1.037E-04	5.000	5.000
7.340E-05	10.000	10.000
5.712E-05	15.000	15.000
4.644E-05	20.000	20.000
3.879E-05	25.000	25.000
3.301E-05	30.000	30.000
2.842E-05	35.000	35.000
2.469E-05	40.000	40.000
2.156E-05	45.000	45.000
1.888E-05	50.000	50.000
1.652E-05	55.000	55.000
1.443E-05	60.000	60.000
1.254E-05	65.000	65.000
1.050E-05	70.000	70.000
8.449E-06	75.000	75.000
6.634E-06	80.000	80.000
5.005E-06	85.000	85.000
3.511E-06	90.000	90.000
0 1.037E-04	5.0	5.00

HANDCHECK GRAPH: SLOPE LT -1.0 FOR LOW PERCENTAGES. XSAVE(3)= 16.005

1USNRC COMPUTER CODE-PAVAN, VERSION 2.0 RUN DATE: 12/17/2009

/PLANT NAME: SCE&G VCS U1 July20 METEOROLOGICAL INSTRUMENTATION
DATA PERIOD: 03 - June2006 Ground WIND SENSORS HEIGHT: 10-m
TYPE OF RELEASE: -Level Release DELTA-T HEIGHTS: 10-m to 61-m
SOURCE OF DATA: EAB=1609 m LPZ=4828 m
COMMENTS: Accidental Releases
PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
0 RELATIVE CONCENTRATION (X/Q) VALUES (SEC/CUBIC METER)
VERSUS
AVERAGING TIME

DOWNWIND SECTOR	DISTANCE (METERS)	0-2 HOURS	0-8 HOURS	8-24 HOURS	1-4 DAYS	4-30 DAYS	ANNUAL AVERAGE	HOURS PER YEAR MAX 0-2 HR X/Q IS EXCEEDED IN SECTOR	DOWNWIND SECTOR
S	1609.	3.21E-05	1.83E-05	1.38E-05	7.52E-06	3.13E-06	1.07E-06	1.1	S
SSW	1609.	3.15E-05	1.84E-05	1.41E-05	7.88E-06	3.42E-06	1.23E-06	224.3	SSW
SW	1609.	2.89E-05	1.81E-05	1.43E-05	8.60E-06	4.14E-06	1.69E-06	1.2	SW
WSW	1609.	2.62E-05	1.61E-05	1.26E-05	7.39E-06	3.44E-06	1.35E-06	1.5	WSW
W	1609.	3.21E-05	1.86E-05	1.42E-05	7.85E-06	3.36E-06	1.19E-06	.9	W
WNW	1609.	3.01E-05	1.63E-05	1.20E-05	6.21E-06	2.40E-06	7.52E-07	1.8	WNW
NW	1609.	4.47E-05	2.44E-05	1.81E-05	9.37E-06	3.65E-06	1.15E-06	3.8	NW
NNW	1609.	8.49E-05	4.78E-05	3.59E-05	1.92E-05	7.86E-06	2.63E-06	9.7	NNW
N	1609.	1.07E-04	6.13E-05	4.64E-05	2.54E-05	1.07E-05	3.69E-06	24.1	N
NNE	1609.	1.07E-04	6.24E-05	4.77E-05	2.66E-05	1.15E-05	4.13E-06	22.1	NNE
NE	1609.	1.20E-04	7.20E-05	5.59E-05	3.22E-05	1.46E-05	5.53E-06	38.0	NE
ENE	1609.	1.24E-04	7.31E-05	5.60E-05	3.15E-05	1.38E-05	5.00E-06	43.7	ENE
E	1609.	1.22E-04	7.10E-05	5.42E-05	3.02E-05	1.30E-05	4.64E-06	40.7	E
ESE	1609.	9.21E-05	5.01E-05	3.69E-05	1.91E-05	7.39E-06	2.32E-06	18.7	ESE
SE	1609.	5.55E-05	3.00E-05	2.20E-05	1.13E-05	4.33E-06	1.34E-06	8.1	SE
SSE	1609.	3.15E-05	1.74E-05	1.30E-05	6.84E-06	2.72E-06	8.83E-07	2.3	SSE
MAX X/Q		1.24E-04				TOTAL HOURS AROUND SITE:		442.1	
SRP 2.3.4	1609.	2.00E-04	1.10E-04	8.21E-05	4.31E-05	1.71E-05	5.53E-06		
SITE LIMIT		1.04E-04	6.39E-05	5.01E-05	2.96E-05	1.39E-05	5.53E-06		

00.5 PERCENT X/Q TO AN INDIVIDUAL IS LIMITING.
0**NOTE**: VALUES ON THIS PAGE ARE APPROXIMATIONS ONLY.
CHECK THE REASONABLENESS OF THE ENVELOPES
COMPUTED FOR THE 0-2 HOUR VALUES. FOR ANY
FAULTY ENVELOPES, ADJUST THE ABOVE VALUES.

1USNRC COMPUTER CODE-PAVAN, VERSION 2.0 RUN DATE: 12/17/2009

/PLANT NAME: SCE&G VCS U1 July20 METEOROLOGICAL INSTRUMENTATION
DATA PERIOD: 03 - June2006 Ground WIND SENSORS HEIGHT: 10-m
TYPE OF RELEASE: -Level Release DELTA-T HEIGHTS: 10-m to 61-m
SOURCE OF DATA: EAB=1609 m LPZ=4828 m
COMMENTS: Accidental Releases
PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
0LOW POPULATION ZONE CALCULATIONS:
0 S SECTOR BOUNDARY DISTANCE = 4828.0 METERS
0LATERAL PLUME MEANDER/BUILDING WAKE CREDIT ALLOWED
AS A FUNCTION OF DOWNWIND DISTANCE.
MEANDER CREDIT IS FOR WINDSPEEDS LESS THAN 6 MPS.
BUILDING WAKE CREDIT ALLOWED: C= .5 A= 1740. D= 44.8
CORRECTION FACTORS USED IN THE ANNUAL AVERAGE CALCULATIONS.
0BELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
THE TOP NUMBER IS THE CHI/Q. THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.

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0   5.045E-05   4.708E-05   3.308E-05   2.523E-05   2.473E-05   1.892E-05   1.854E-05   1.574E-05   1.301E-05   1.236E-05
        .101        .503        .603       1.005       1.106       2.010       2.412       3.920       4.020       6.131
      .00396      .01981      .02377      .03962      .04359      .07925      .09509      .15453      .15849      .24170
0   1.145E-05   9.758E-06   9.272E-06   7.200E-06   6.505E-06   4.976E-06   4.879E-06   3.613E-06   3.514E-06   2.529E-06
       6.432       7.136       9.447      14.372      17.588      21.407      26.432      26.935      37.688      37.889
      .25359      .28132      .37245      .56661      .69340      .84397     1.04208     1.06189     1.48585     1.49378
0   2.282E-06   1.862E-06   1.652E-06   1.396E-06   1.156E-06   9.310E-07   8.896E-07   5.937E-07   5.586E-07   4.453E-07
      51.960      52.864      62.412      65.126      68.543      73.266      73.668      74.271      78.191      80.101
     2.04850     2.08416     2.46058     2.56756     2.70227     2.88850     2.90435     2.92812     3.08265     3.15794
0   3.990E-07   2.968E-07   2.793E-07   2.732E-07   2.148E-07   2.049E-07   1.781E-07   1.366E-07   1.272E-07   8.905E-08
      82.915      85.427      86.935      87.739      87.940      90.452      92.663      96.382      97.588      98.291
     3.26888     3.36794     3.42737     3.45907     3.46699     3.56605     3.65322     3.79983     3.84737     3.87511
0   8.197E-08   5.855E-08   4.099E-08
      98.894      99.799     100.000
     3.89888     3.93454     3.94247
0          X/Q PERCENTILES
 (BASED ON THE UPPER ENVELOPE OF THE
 ORDERED X/Q-FREQUENCY VALUES, AND AS
 PLOTTED ON A LOG-NORMAL GRAPH.)
0 PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED
        CHI/Q      WITH RESPECT TO     WHEN THE WIND BLOWS
 SEC/CUBIC METER  THE TOTAL TIME      INTO THIS SECTOR ONLY

                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 3)=    .241
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 4)=    .693
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 5)=   1.041
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 6)=   1.484
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 7)=   2.046
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 8)=   2.458
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 9)=   2.886
     3.342E-05                .039              1.000
     1.863E-05                .118              3.000
     1.393E-05                .197              5.000
     9.258E-06                .394             10.000
     7.202E-06                .591             15.000
     5.950E-06                .788             20.000
     5.079E-06                .986             25.000
     4.347E-06               1.183             30.000
     3.768E-06               1.380             35.000
     3.249E-06               1.577             40.000
     2.775E-06               1.774             45.000
     2.405E-06               1.971             50.000
     2.066E-06               2.168             55.000
     1.772E-06               2.365             60.000
     1.431E-06               2.563             65.000
     1.098E-06               2.760             70.000
0    8.002E-06               0.5               12.68
0ANNUAL AVERAGE =   9.17E-08
1USNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 12/17/2009

/PLANT NAME: SCE&G VCS U1  July20                METEOROLOGICAL INSTRUMENTATION
 DATA PERIOD: 03 - June2006 Ground               WIND SENSORS HEIGHT: 10-m
 TYPE OF RELEASE: -Level Release                 DELTA-T HEIGHTS: 10-m to 61-m
 SOURCE OF DATA: EAB=1609 m LPZ=4828 m
 COMMENTS: Accidental Releases
 PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
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0LOW POPULATION ZONE CALCULATIONS:
0 SSW SECTOR     BOUNDARY DISTANCE = 4828.0 METERS
0LATERAL PLUME MEANDER/BUILDING WAKE CREDIT ALLOWED
 AS A FUNCTION OF DOWNWIND DISTANCE.
 MEANDER CREDIT IS FOR WINDSPEEDS LESS THAN 6 MPS.
 BUILDING WAKE CREDIT ALLOWED:   C=   .5     A=  1740.     D=   44.8
 CORRECTION FACTORS USED IN THE ANNUAL AVERAGE CALCULATIONS.
0BELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
 THE TOP NUMBER IS THE CHI/Q.  THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
 THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.
0   7.062E-05   4.708E-05   3.784E-05   3.531E-05   3.308E-05   2.523E-05   2.473E-05   1.892E-05   1.854E-05   1.574E-05
        .073        .292        .365        .438        .730       1.096       1.169       1.607       1.680       2.557
      .00396      .01585      .01981      .02377      .03962      .05943      .06340      .08717      .09113      .13868
0   1.301E-05   1.236E-05   9.758E-06   9.272E-06   7.200E-06   6.505E-06   4.976E-06   4.879E-06   3.724E-06   3.613E-06
       2.630       3.798       3.944       5.551      10.226      12.491      14.536      18.554      18.627      18.700
      .14264      .20604      .21396      .30113      .55472      .67755      .78849     1.00642     1.01038     1.01434
0   3.514E-06   2.529E-06   2.282E-06   1.862E-06   1.652E-06   1.396E-06   1.156E-06   9.310E-07   8.896E-07   5.937E-07
      28.634      28.707      44.120      44.631      60.482      61.724      68.225      71.877      72.023      72.462
     1.55321     1.55718     2.39322     2.42095     3.28077     3.34813     3.70077     3.89888     3.90681     3.93058
0   5.586E-07   4.453E-07   3.990E-07   2.968E-07   2.793E-07   2.732E-07   2.148E-07   2.049E-07   1.781E-07   1.552E-07
      75.603      76.333      81.227      83.930      87.728      88.167      88.240      90.796      91.746      91.819
     4.10096     4.14058     4.40605     4.55266     4.75870     4.78247     4.78643     4.92511     4.97662     4.98059
0   1.366E-07   1.272E-07   8.905E-08   8.197E-08   6.850E-08   5.855E-08   4.099E-08   3.153E-08
      94.522      96.275      97.516      98.539      98.685      99.635      99.927     100.000
     5.12719     5.22228     5.28964     5.34512     5.35304     5.40455     5.42040     5.42436
0          X/Q PERCENTILES
 (BASED ON THE UPPER ENVELOPE OF THE
 ORDERED X/Q-FREQUENCY VALUES, AND AS
 PLOTTED ON A LOG-NORMAL GRAPH.)
0 PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED
       CHI/Q      WITH RESPECT TO     WHEN THE WIND BLOWS
 SEC/CUBIC METER  THE TOTAL TIME      INTO THIS SECTOR ONLY

                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 2)=    .016
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 3)=    .040
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 4)=    .206
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 5)=    .677
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 6)=   1.551
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 7)=   3.278
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 8)=   3.698
     2.769E-05                .054              1.000
     1.435E-05                .163              3.000
     1.073E-05                .271              5.000
     7.380E-06                .542             10.000
     5.710E-06                .814             15.000
     4.624E-06               1.085             20.000
     3.905E-06               1.356             25.000
     3.361E-06               1.627             30.000
     2.894E-06               1.899             35.000
     2.535E-06               2.170             40.000
     2.251E-06               2.441             45.000
     2.019E-06               2.712             50.000
     1.828E-06               2.983             55.000
     1.666E-06               3.255             60.000
     1.336E-06               3.526             65.000
0    7.724E-06               0.5                9.22
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0ANNUAL AVERAGE =   1.04E-07
1USNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 12/17/2009

/PLANT NAME: SCE&G VCS U1  July20                METEOROLOGICAL INSTRUMENTATION
 DATA PERIOD: 03 - June2006 Ground               WIND SENSORS HEIGHT: 10-m
 TYPE OF RELEASE: -Level Release                 DELTA-T HEIGHTS: 10-m to 61-m
 SOURCE OF DATA: EAB=1609 m LPZ=4828 m
 COMMENTS: Accidental Releases
 PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
0LOW POPULATION ZONE CALCULATIONS:
0  SW SECTOR     BOUNDARY DISTANCE = 4828.0 METERS
0LATERAL PLUME MEANDER/BUILDING WAKE CREDIT ALLOWED
 AS A FUNCTION OF DOWNWIND DISTANCE.
 MEANDER CREDIT IS FOR WINDSPEEDS LESS THAN 6 MPS.
 BUILDING WAKE CREDIT ALLOWED:   C=   .5     A=  1740.     D=   44.8
 CORRECTION FACTORS USED IN THE ANNUAL AVERAGE CALCULATIONS.
0BELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
 THE TOP NUMBER IS THE CHI/Q.  THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
 THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.
0   5.045E-05   3.531E-05   3.308E-05   2.523E-05   2.473E-05   1.952E-05   1.892E-05   1.854E-05   1.574E-05   1.236E-05
         .088        .131        .263        .351        .438        .482        .745        .920       1.402       2.060
       .00792      .01189      .02377      .03170      .03962      .04359      .06736      .08321      .12679      .18623
0   1.145E-05   9.758E-06   9.272E-06   7.200E-06   6.505E-06   4.976E-06   4.879E-06   3.613E-06   3.514E-06   2.282E-06
        2.103       2.235       3.243       5.390       6.223       7.581       9.290       9.684      16.652      38.913
       .19019      .20208      .29321      .48736      .56264      .68547      .84000      .87566     1.50567     3.51850
0   1.862E-06   1.652E-06   1.396E-06   1.156E-06   9.310E-07   8.896E-07   5.937E-07   5.586E-07   4.453E-07   3.990E-07
       39.220      64.330      65.294      70.026      72.875      73.006      73.138      77.914      78.221      84.443
      3.54624     5.81663     5.90380     6.33172     6.58927     6.60116     6.61304     7.04493     7.07267     7.63531
0   2.968E-07   2.793E-07   2.732E-07   2.049E-07   1.781E-07   1.366E-07   1.272E-07   8.905E-08   8.197E-08   6.850E-08
       86.065      88.782      89.001      90.053      92.550      94.654      96.275      97.064      98.335      98.379
      7.78192     8.02758     8.04739     8.14248     8.36833     8.55852     8.70513     8.77645     8.89135     8.89532
0   5.855E-08   4.099E-08   3.153E-08
       99.649      99.956     100.000
      9.01022     9.03796     9.04192
0          X/Q PERCENTILES
 (BASED ON THE UPPER ENVELOPE OF THE
 ORDERED X/Q-FREQUENCY VALUES, AND AS
 PLOTTED ON A LOG-NORMAL GRAPH.)
0 PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED
       CHI/Q       WITH RESPECT TO     WHEN THE WIND BLOWS
 SEC/CUBIC METER  THE TOTAL TIME      INTO THIS SECTOR ONLY

                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 2)=    .024
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 3)=    .127
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 4)=    .487
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 5)=   5.813
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 6)=   6.328
     1.843E-05              .090             1.000
     1.025E-05              .271             3.000
     7.542E-06              .452             5.000
     5.227E-06              .904            10.000
     4.179E-06             1.356            15.000
     3.538E-06             1.808            20.000
     3.094E-06             2.260            25.000
     2.764E-06             2.713            30.000
     2.505E-06             3.165            35.000
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     2.296E-06              3.617              40.000
     2.122E-06              4.069              45.000
     1.975E-06              4.521              50.000
     1.848E-06              4.973              55.000
     1.737E-06              5.425              60.000
     1.582E-06              5.877              65.000
     1.158E-06              6.329              70.000
0    7.108E-06              0.5                 5.53
0ANNUAL AVERAGE =   1.39E-07
1USNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 12/17/2009

/PLANT NAME: SCE&G VCS U1  July20                METEOROLOGICAL INSTRUMENTATION
 DATA PERIOD: 03 - June2006 Ground               WIND SENSORS HEIGHT: 10-m
 TYPE OF RELEASE: -Level Release                 DELTA-T HEIGHTS: 10-m to 61-m
 SOURCE OF DATA: EAB=1609 m LPZ=4828 m
 COMMENTS: Accidental Releases
 PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
0LOW POPULATION ZONE CALCULATIONS:
0 WSW SECTOR     BOUNDARY DISTANCE = 4828.0 METERS
0LATERAL PLUME MEANDER/BUILDING WAKE CREDIT ALLOWED
 AS A FUNCTION OF DOWNWIND DISTANCE.
 MEANDER CREDIT IS FOR WINDSPEEDS LESS THAN 6 MPS.
 BUILDING WAKE CREDIT ALLOWED:   C=   .5     A=  1740.     D=   44.8
 CORRECTION FACTORS USED IN THE ANNUAL AVERAGE CALCULATIONS.
0BELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
 THE TOP NUMBER IS THE CHI/Q.  THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
 THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.
0   7.062E-05   4.708E-05   3.531E-05   2.523E-05   1.892E-05   1.854E-05   1.574E-05   1.236E-05   9.758E-06   9.272E-06
         .119        .178        .238        .534        .831        .950       1.366       2.197       2.257       3.444
       .00792      .01189      .01585      .03566      .05547      .06340      .09113      .14660      .15057      .22981
0   7.200E-06   6.505E-06   4.976E-06   4.879E-06   3.613E-06   3.514E-06   2.282E-06   1.862E-06   1.652E-06   1.396E-06
        5.879       6.295       9.086      10.333      10.511      19.834      53.325      53.563      72.506      72.803
       .39227      .42000      .60623      .68944      .70132     1.32340     3.55813     3.57398     4.83794     4.85776
0   1.156E-06   9.310E-07   8.896E-07   5.937E-07   5.586E-07   4.453E-07   3.990E-07   2.968E-07   2.793E-07   2.732E-07
       75.713      77.375      77.435      77.553      82.245      82.720      86.223      87.589      88.895      89.074
      5.05191     5.16285     5.16681     5.17474     5.48776     5.51945     5.75323     5.84436     5.93153     5.94342
0   2.049E-07   1.781E-07   1.366E-07   1.272E-07   8.905E-08   8.197E-08   5.855E-08   4.099E-08
       89.371      92.518      94.299      95.368      95.843      98.515      99.406     100.000
      5.96323     6.17323     6.29210     6.36342     6.39512     6.57342     6.63286     6.67248
0          X/Q PERCENTILES
 (BASED ON THE UPPER ENVELOPE OF THE
 ORDERED X/Q-FREQUENCY VALUES, AND AS
 PLOTTED ON A LOG-NORMAL GRAPH.)
0 PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED
        CHI/Q      WITH RESPECT TO     WHEN THE WIND BLOWS
 SEC/CUBIC METER  THE TOTAL TIME      INTO THIS SECTOR ONLY

                                                   HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 2)=    .230
                                                   HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 3)=   3.555
                                                   HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 4)=   4.834
                                                   HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 5)=   5.749
                                                   HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 6)=   6.360
     2.076E-05              .067               1.000
     1.019E-05              .200               3.000
     7.861E-06              .334               5.000
     5.682E-06              .667              10.000
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     4.643E-06              1.001              15.000
     3.997E-06              1.334              20.000
     3.544E-06              1.668              25.000
     3.203E-06              2.002              30.000
     2.934E-06              2.335              35.000
     2.714E-06              2.669              40.000
     2.530E-06              3.003              45.000
     2.374E-06              3.336              50.000
     2.211E-06              3.670              55.000
     2.020E-06              4.003              60.000
     1.857E-06              4.337              65.000
     1.716E-06              4.671              70.000
     1.257E-06              5.004              75.000
     7.421E-07              5.338              80.000
     4.495E-07              5.672              85.000
     2.461E-07              6.005              90.000
0    6.524E-06              0.5                 7.49
0ANNUAL AVERAGE =   1.13E-07
1USNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 12/17/2009

/PLANT NAME: SCE&G VCS U1  July20                METEOROLOGICAL INSTRUMENTATION
 DATA PERIOD: 03 - June2006 Ground               WIND SENSORS HEIGHT: 10-m
 TYPE OF RELEASE: -Level Release                 DELTA-T HEIGHTS: 10-m to 61-m
 SOURCE OF DATA: EAB=1609 m LPZ=4828 m
 COMMENTS: Accidental Releases
 PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
0LOW POPULATION ZONE CALCULATIONS:
0   W SECTOR     BOUNDARY DISTANCE = 4828.0 METERS
0LATERAL PLUME MEANDER/BUILDING WAKE CREDIT ALLOWED
 AS A FUNCTION OF DOWNWIND DISTANCE.
 MEANDER CREDIT IS FOR WINDSPEEDS LESS THAN 6 MPS.
 BUILDING WAKE CREDIT ALLOWED:   C=   .5     A=  1740.     D=   44.8
 CORRECTION FACTORS USED IN THE ANNUAL AVERAGE CALCULATIONS.
0BELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
 THE TOP NUMBER IS THE CHI/Q.  THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
 THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.
0   4.708E-05   3.784E-05   3.308E-05   2.523E-05   2.500E-05   1.892E-05   1.854E-05   1.574E-05   1.236E-05   1.145E-05
         .367        .459        .918       1.377       1.469       2.112       2.296       2.755       3.673       3.765
       .01585      .01981      .03962      .05943      .06340      .09113      .09906      .11887      .15849      .16245
0   9.758E-06   9.272E-06   7.200E-06   6.505E-06   4.976E-06   4.879E-06   3.613E-06   3.514E-06   2.282E-06   1.862E-06
        3.857       6.612      16.070      16.804      24.885      27.548      27.824      44.261      72.727      72.819
       .16642      .28528      .69340      .72510     1.07378     1.18868     1.20057     1.90982     3.13813     3.14209
0   1.652E-06   1.396E-06   1.156E-06   9.310E-07   5.937E-07   5.586E-07   4.453E-07   3.990E-07   2.968E-07   2.793E-07
       81.175      81.635      82.369      85.124      85.308      88.062      88.338      89.807      91.368      91.827
      3.50266     3.52247     3.55416     3.67303     3.68096     3.79983     3.81171     3.87511     3.94247     3.96228
0   2.049E-07   1.781E-07   1.366E-07   1.272E-07   8.905E-08   8.197E-08   5.855E-08
       92.103      94.858      96.327      97.337      97.612      99.908     100.000
      3.97417     4.09304     4.15643     4.20002     4.21190     4.31096     4.31492
0          X/Q PERCENTILES
 (BASED ON THE UPPER ENVELOPE OF THE
 ORDERED X/Q-FREQUENCY VALUES, AND AS
 PLOTTED ON A LOG-NORMAL GRAPH.)
0 PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED
        CHI/Q      WITH RESPECT TO     WHEN THE WIND BLOWS
 SEC/CUBIC METER  THE TOTAL TIME      INTO THIS SECTOR ONLY
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                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 2)=    .040
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 3)=    .063
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 4)=    .693
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 5)=   1.908
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 6)=   3.135
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 7)=   3.500
     3.146E-05                .043              1.000
     1.773E-05                .129              3.000
     1.369E-05                .216              5.000
     9.437E-06                .431             10.000
     7.495E-06                .647             15.000
     6.215E-06                .863             20.000
     5.328E-06               1.079             25.000
     4.681E-06               1.294             30.000
     4.186E-06               1.510             35.000
     3.792E-06               1.726             40.000
     3.466E-06               1.942             45.000
     3.170E-06               2.157             50.000
     2.921E-06               2.373             55.000
     2.708E-06               2.589             60.000
     2.524E-06               2.805             65.000
     2.362E-06               3.020             70.000
     2.086E-06               3.236             75.000
     1.725E-06               3.452             80.000
0    8.689E-06               0.5               11.59
0ANNUAL AVERAGE =   1.04E-07
1USNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 12/17/2009

/PLANT NAME: SCE&G VCS U1  July20                METEOROLOGICAL INSTRUMENTATION
 DATA PERIOD: 03 - June2006 Ground               WIND SENSORS HEIGHT: 10-m
 TYPE OF RELEASE: -Level Release                 DELTA-T HEIGHTS: 10-m to 61-m
 SOURCE OF DATA: EAB=1609 m LPZ=4828 m
 COMMENTS: Accidental Releases
 PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
0LOW POPULATION ZONE CALCULATIONS:
0 WNW SECTOR     BOUNDARY DISTANCE = 4828.0 METERS
0LATERAL PLUME MEANDER/BUILDING WAKE CREDIT ALLOWED
 AS A FUNCTION OF DOWNWIND DISTANCE.
 MEANDER CREDIT IS FOR WINDSPEEDS LESS THAN 6 MPS.
 BUILDING WAKE CREDIT ALLOWED:   C=   .5     A=  1740.     D=   44.8
 CORRECTION FACTORS USED IN THE ANNUAL AVERAGE CALCULATIONS.
0BELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
 THE TOP NUMBER IS THE CHI/Q.  THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
 THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.
0   9.416E-05   7.062E-05   5.045E-05   4.708E-05   3.531E-05   3.308E-05   2.523E-05   1.892E-05   1.854E-05   1.574E-05
        .175        .350        .525       1.051       1.401       1.926       2.627       3.327       3.678       4.028
      .00396      .00792      .01189      .02377      .03170      .04359      .05943      .07528      .08321      .09113
0   1.236E-05   1.145E-05   9.272E-06   7.200E-06   6.505E-06   4.976E-06   4.879E-06   3.514E-06   2.282E-06   1.862E-06
       6.480       7.005      12.084      25.219      26.095      32.750      35.552      56.392      77.058      77.233
      .14660      .15849      .27340      .57057      .59038      .74095      .80434     1.27585     1.74340     1.74737
0   1.652E-06   1.396E-06   1.156E-06   9.310E-07   5.937E-07   5.586E-07   4.453E-07   3.990E-07   2.968E-07   2.732E-07
      80.035      80.560      80.736      83.713      83.888      88.091      88.441      88.967      90.193      90.368
     1.81076     1.82265     1.82661     1.89397     1.89793     1.99303     2.00095     2.01284     2.04057     2.04454
0   2.049E-07   1.781E-07   1.366E-07   1.272E-07   8.905E-08   8.197E-08   5.855E-08
      90.543      93.345      95.096      95.972      96.147      99.650     100.000
     2.04850     2.11190     2.15152     2.17133     2.17529     2.25454     2.26246
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0          X/Q PERCENTILES
 (BASED ON THE UPPER ENVELOPE OF THE
 ORDERED X/Q-FREQUENCY VALUES, AND AS
 PLOTTED ON A LOG-NORMAL GRAPH.)
0 PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED
        CHI/Q      WITH RESPECT TO     WHEN THE WIND BLOWS
 SEC/CUBIC METER  THE TOTAL TIME      INTO THIS SECTOR ONLY

                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 2)=    .024
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 3)=    .044
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 4)=    .570
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 5)=   1.274
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 6)=   1.741
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 7)=   1.809
     4.804E-05                .023              1.000
     2.604E-05                .068              3.000
     1.955E-05                .113              5.000
     1.299E-05                .226             10.000
     1.010E-05                .339             15.000
     8.392E-06                .452             20.000
     7.242E-06                .566             25.000
     6.204E-06                .679             30.000
     5.422E-06                .792             35.000
     4.815E-06                .905             40.000
     4.328E-06               1.018             45.000
     3.930E-06               1.131             50.000
     3.597E-06               1.244             55.000
     3.230E-06               1.357             60.000
     2.894E-06               1.471             65.000
     2.611E-06               1.584             70.000
     2.370E-06               1.697             75.000
     1.658E-06               1.810             80.000
0    7.860E-06               0.5               22.10
0ANNUAL AVERAGE =   6.74E-08
1USNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 12/17/2009

/PLANT NAME: SCE&G VCS U1  July20                METEOROLOGICAL INSTRUMENTATION
 DATA PERIOD: 03 - June2006 Ground               WIND SENSORS HEIGHT: 10-m
 TYPE OF RELEASE: -Level Release                 DELTA-T HEIGHTS: 10-m to 61-m
 SOURCE OF DATA: EAB=1609 m LPZ=4828 m
 COMMENTS: Accidental Releases
 PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
0LOW POPULATION ZONE CALCULATIONS:
0  NW SECTOR     BOUNDARY DISTANCE = 4828.0 METERS
0LATERAL PLUME MEANDER/BUILDING WAKE CREDIT ALLOWED
 AS A FUNCTION OF DOWNWIND DISTANCE.
 MEANDER CREDIT IS FOR WINDSPEEDS LESS THAN 6 MPS.
 BUILDING WAKE CREDIT ALLOWED:   C=   .5     A=  1740.     D=   44.8
 CORRECTION FACTORS USED IN THE ANNUAL AVERAGE CALCULATIONS.
0BELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
 THE TOP NUMBER IS THE CHI/Q.  THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
 THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.
0   9.416E-05   7.062E-05   5.045E-05   4.708E-05   3.784E-05   3.531E-05   3.308E-05   2.523E-05   2.473E-05   1.892E-05
        .261        .654        .784       1.176       1.307       1.438       2.353       4.444       4.575       6.013
      .00792      .01981      .02377      .03566      .03962      .04359      .07132      .13472      .13868      .18226
0   1.854E-05   1.574E-05   1.236E-05   1.145E-05   9.272E-06   7.200E-06   6.505E-06   4.976E-06   4.879E-06   3.613E-06
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       6.275      11.634      13.464      15.163      18.824      35.294      36.340      43.922      47.320      47.974
      .19019      .35264      .40811      .45962      .57057     1.06982     1.10151     1.33133     1.43435     1.45416
0   3.514E-06   2.529E-06   2.282E-06   1.652E-06   1.396E-06   1.156E-06   9.310E-07   5.586E-07   4.453E-07   3.990E-07
      66.013      66.275      81.046      83.137      83.660      83.791      87.059      89.542      89.673      90.065
     2.00095     2.00888     2.45661     2.52001     2.53586     2.53982     2.63888     2.71416     2.71812     2.73001
0   2.968E-07   2.049E-07   1.781E-07   1.366E-07   1.272E-07   8.197E-08   5.855E-08
      92.288      92.418      94.118      96.863      96.993      99.608     100.000
     2.79737     2.80133     2.85284     2.93605     2.94001     3.01926     3.03114
0          X/Q PERCENTILES
 (BASED ON THE UPPER ENVELOPE OF THE
 ORDERED X/Q-FREQUENCY VALUES, AND AS
 PLOTTED ON A LOG-NORMAL GRAPH.)
0 PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED
        CHI/Q      WITH RESPECT TO     WHEN THE WIND BLOWS
 SEC/CUBIC METER  THE TOTAL TIME      INTO THIS SECTOR ONLY

                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 2)=    .020
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 3)=    .135
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 4)=    .352
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 5)=   1.069
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 6)=   1.999
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 7)=   2.454
     5.690E-05                .030              1.000
     3.155E-05                .091              3.000
     2.386E-05                .152              5.000
     1.700E-05                .303             10.000
     1.327E-05                .455             15.000
     1.088E-05                .606             20.000
     9.281E-06                .758             25.000
     8.126E-06                .909             30.000
     7.245E-06               1.061             35.000
     6.269E-06               1.212             40.000
     5.491E-06               1.364             45.000
     4.869E-06               1.516             50.000
     4.360E-06               1.667             55.000
     3.937E-06               1.819             60.000
     3.580E-06               1.970             65.000
     3.110E-06               2.122             70.000
     2.690E-06               2.273             75.000
     2.346E-06               2.425             80.000
0    1.243E-05               0.5               16.50
0ANNUAL AVERAGE =   1.07E-07
1USNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 12/17/2009

/PLANT NAME: SCE&G VCS U1  July20                METEOROLOGICAL INSTRUMENTATION
 DATA PERIOD: 03 - June2006 Ground               WIND SENSORS HEIGHT: 10-m
 TYPE OF RELEASE: -Level Release                 DELTA-T HEIGHTS: 10-m to 61-m
 SOURCE OF DATA: EAB=1609 m LPZ=4828 m
 COMMENTS: Accidental Releases
 PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
0LOW POPULATION ZONE CALCULATIONS:
0 NNW SECTOR     BOUNDARY DISTANCE = 4828.0 METERS
0LATERAL PLUME MEANDER/BUILDING WAKE CREDIT ALLOWED
 AS A FUNCTION OF DOWNWIND DISTANCE.
 MEANDER CREDIT IS FOR WINDSPEEDS LESS THAN 6 MPS.
 BUILDING WAKE CREDIT ALLOWED:   C=   .5     A=  1740.     D=   44.8
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 CORRECTION FACTORS USED IN THE ANNUAL AVERAGE CALCULATIONS.
0BELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
 THE TOP NUMBER IS THE CHI/Q.  THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
 THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.
0   7.568E-05   7.062E-05   5.045E-05   4.708E-05   3.784E-05   3.531E-05   3.308E-05   2.523E-05   2.500E-05   1.892E-05
         .068        .203        .270       1.284       1.622       2.500       6.419       8.176       8.649      12.500
       .00396      .01189      .01585      .07528      .09509      .14660      .37642      .47944      .50717      .73302
0   1.854E-05   1.574E-05   1.301E-05   1.236E-05   1.145E-05   9.758E-06   9.272E-06   7.200E-06   6.505E-06   4.976E-06
      12.770      24.730      24.797      26.351      30.000      30.203      36.351      53.243      54.865      60.811
      .74887     1.45019     1.45416     1.54529     1.75925     1.77114     2.13171     3.12228     3.21737     3.56605
0   4.879E-06   3.613E-06   3.514E-06   2.282E-06   1.862E-06   1.652E-06   1.396E-06   1.156E-06   9.310E-07   8.905E-07
      62.973      63.176      74.392      85.541      85.676      87.095      87.432      87.905      89.662      89.730
     3.69284     3.70473     4.36247     5.01625     5.02417     5.10738     5.12719     5.15492     5.25794     5.26191
0   5.937E-07   5.586E-07   4.453E-07   3.990E-07   2.968E-07   2.793E-07   2.732E-07   2.049E-07   1.781E-07   1.366E-07
      89.797      92.027      92.162      92.432      93.378      93.513      93.581      94.054      95.743      97.095
     5.26587     5.39662     5.40455     5.42040     5.47587     5.48379     5.48776     5.51549     5.61455     5.69379
0   1.272E-07   8.905E-08   8.197E-08   5.855E-08
      97.365      97.432      99.527     100.000
     5.70964     5.71361     5.83644     5.86417
0          X/Q PERCENTILES
 (BASED ON THE UPPER ENVELOPE OF THE
 ORDERED X/Q-FREQUENCY VALUES, AND AS
 PLOTTED ON A LOG-NORMAL GRAPH.)
0 PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED
        CHI/Q       WITH RESPECT TO     WHEN THE WIND BLOWS
 SEC/CUBIC METER  THE TOTAL TIME      INTO THIS SECTOR ONLY

                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 4)=   1.449
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 5)=   3.119
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 6)=   4.359
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 7)=   5.013
     5.102E-05                .059              1.000
     3.984E-05                .176              3.000
     3.521E-05                .293              5.000
     2.625E-05                .586             10.000
     2.102E-05                .880             15.000
     1.784E-05               1.173             20.000
     1.557E-05               1.466             25.000
     1.303E-05               1.759             30.000
     1.117E-05               2.052             35.000
     9.744E-06               2.346             40.000
     8.617E-06               2.639             45.000
     7.705E-06               2.932             50.000
     6.728E-06               3.225             55.000
     5.600E-06               3.519             60.000
     4.719E-06               3.812             65.000
     4.017E-06               4.105             70.000
     3.428E-06               4.398             75.000
     2.811E-06               4.691             80.000
     2.327E-06               4.985             85.000
0    2.856E-05               0.5                8.53
0ANNUAL AVERAGE =   2.57E-07
1USNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 12/17/2009

/PLANT NAME: SCE&G VCS U1  July20                METEOROLOGICAL INSTRUMENTATION
 DATA PERIOD: 03 - June2006 Ground               WIND SENSORS HEIGHT: 10-m
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 TYPE OF RELEASE: -Level Release                DELTA-T HEIGHTS: 10-m to 61-m
 SOURCE OF DATA: EAB=1609 m LPZ=4828 m
 COMMENTS: Accidental Releases
 PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
0LOW POPULATION ZONE CALCULATIONS:
0   N SECTOR     BOUNDARY DISTANCE = 4828.0 METERS
0LATERAL PLUME MEANDER/BUILDING WAKE CREDIT ALLOWED
 AS A FUNCTION OF DOWNWIND DISTANCE.
 MEANDER CREDIT IS FOR WINDSPEEDS LESS THAN 6 MPS.
 BUILDING WAKE CREDIT ALLOWED:   C=   .5     A=  1740.     D=   44.8
 CORRECTION FACTORS USED IN THE ANNUAL AVERAGE CALCULATIONS.
0BELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
 THE TOP NUMBER IS THE CHI/Q.  THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
 THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.
0   9.416E-05   7.062E-05   5.045E-05   4.708E-05   3.784E-05   3.531E-05   3.308E-05   2.523E-05   2.500E-05   2.473E-05
        .214        .694       1.015       3.739       4.113       6.303      10.897      13.889      14.103      14.316
      .01585      .05151      .07528      .27736      .30510      .46755      .80831     1.03019     1.04604     1.06189
0   1.892E-05   1.854E-05   1.574E-05   1.236E-05   1.145E-05   9.758E-06   9.272E-06   7.200E-06   6.505E-06   4.976E-06
      18.162      18.697      29.113      32.853      34.615      34.776      39.316      53.152      54.647      61.432
     1.34718     1.38680     2.15944     2.43680     2.56756     2.57944     2.91624     3.94247     4.05341     4.55662
0   4.879E-06   3.613E-06   3.514E-06   2.529E-06   2.282E-06   1.862E-06   1.652E-06   1.396E-06   1.156E-06   9.310E-07
      63.729      64.156      70.994      71.100      80.929      80.983      83.333      83.814      84.936      87.340
     4.72700     4.75870     5.26587     5.27379     6.00285     6.00682     6.18116     6.21682     6.30002     6.47833
0   5.937E-07   5.586E-07   4.453E-07   3.990E-07   2.968E-07   2.793E-07   2.732E-07   2.049E-07   1.781E-07   1.366E-07
      87.393      90.064      90.118      90.812      92.041      92.308      92.415      92.628      95.299      95.994
     6.48229     6.68040     6.68437     6.73588     6.82701     6.84682     6.85474     6.87059     7.06871     7.12022
0   1.272E-07   8.905E-08   8.197E-08   5.855E-08   4.099E-08
      96.795      96.955      99.199      99.733     100.000
     7.17965     7.19154     7.35795     7.39758     7.41739
0          X/Q PERCENTILES
 (BASED ON THE UPPER ENVELOPE OF THE
 ORDERED X/Q-FREQUENCY VALUES, AND AS
 PLOTTED ON A LOG-NORMAL GRAPH.)
0 PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED
        CHI/Q      WITH RESPECT TO     WHEN THE WIND BLOWS
 SEC/CUBIC METER  THE TOTAL TIME      INTO THIS SECTOR ONLY

                                                   HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 4)=   2.157
                                                   HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 5)=   3.939
                                                   HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 6)=   4.723
                                                   HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 7)=   5.262
                                                   HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 8)=   5.999
     6.607E-05              .074             1.000
     4.996E-05              .223             3.000
     4.295E-05              .371             5.000
     3.408E-05              .742            10.000
     2.626E-05             1.113            15.000
     2.115E-05             1.483            20.000
     1.778E-05             1.854            25.000
     1.516E-05             2.225            30.000
     1.249E-05             2.596            35.000
     1.052E-05             2.967            40.000
     9.012E-06             3.338            45.000
     7.825E-06             3.709            50.000
     6.698E-06             4.080            55.000
     5.561E-06             4.450            60.000
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     4.597E-06              4.821              65.000
     3.669E-06              5.192              70.000
     2.936E-06              5.563              75.000
     2.371E-06              5.934              80.000
0    3.896E-05              0.5                 6.74
0ANNUAL AVERAGE =   3.71E-07
1USNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 12/17/2009

/PLANT NAME: SCE&G VCS U1  July20                METEOROLOGICAL INSTRUMENTATION
 DATA PERIOD: 03 - June2006 Ground               WIND SENSORS HEIGHT: 10-m
 TYPE OF RELEASE: -Level Release                 DELTA-T HEIGHTS: 10-m to 61-m
 SOURCE OF DATA: EAB=1609 m LPZ=4828 m
 COMMENTS: Accidental Releases
 PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
0LOW POPULATION ZONE CALCULATIONS:
0 NNE SECTOR     BOUNDARY DISTANCE = 4828.0 METERS
0LATERAL PLUME MEANDER/BUILDING WAKE CREDIT ALLOWED
 AS A FUNCTION OF DOWNWIND DISTANCE.
 MEANDER CREDIT IS FOR WINDSPEEDS LESS THAN 6 MPS.
 BUILDING WAKE CREDIT ALLOWED:   C=   .5     A=  1740.     D=   44.8
 CORRECTION FACTORS USED IN THE ANNUAL AVERAGE CALCULATIONS.
0BELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
 THE TOP NUMBER IS THE CHI/Q.  THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
 THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.
0   9.416E-05   7.568E-05   7.062E-05   4.708E-05   3.784E-05   3.709E-05   3.531E-05   3.308E-05   2.523E-05   2.500E-05
         .087        .131        .524       3.275       3.624       3.668       5.284       8.908      10.480      10.568
       .00792      .01189      .04755      .29717      .32887      .33283      .47944      .80830      .95095      .95887
0   2.473E-05   1.892E-05   1.854E-05   1.786E-05   1.574E-05   1.236E-05   1.145E-05   9.758E-06   9.272E-06   7.200E-06
      10.655      13.755      14.192      14.236      21.703      25.065      25.895      26.114      31.747      50.699
       .96680     1.24812     1.28774     1.29170     1.96925     2.27435     2.34963     2.36944     2.88058     4.60021
0   6.505E-06   4.976E-06   4.879E-06   3.613E-06   3.514E-06   2.529E-06   2.282E-06   1.862E-06   1.652E-06   1.396E-06
      52.009      59.563      62.271      62.576      69.782      69.825      78.472      78.646      81.092      81.572
      4.71907     5.40455     5.65021     5.67795     6.33172     6.33569     7.12022     7.13607     7.35795     7.40154
0   1.156E-06   9.310E-07   8.896E-07   5.937E-07   5.586E-07   4.453E-07   3.990E-07   2.968E-07   2.732E-07   2.049E-07
      81.790      83.930      83.974      84.148      86.463      86.812      87.293      89.782      89.825      90.000
      7.42135     7.61550     7.61946     7.63531     7.84531     7.87701     7.92060     8.14645     8.15041     8.16626
0   1.781E-07   1.366E-07   1.272E-07   8.905E-08   8.197E-08   5.855E-08   4.099E-08
      92.795      95.459      96.026      96.114      99.389      99.956     100.000
      8.41984     8.66154     8.71305     8.72098     9.01815     9.06966     9.07362
0          X/Q PERCENTILES
 (BASED ON THE UPPER ENVELOPE OF THE
 ORDERED X/Q-FREQUENCY VALUES, AND AS
 PLOTTED ON A LOG-NORMAL GRAPH.)
0 PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED
        CHI/Q      WITH RESPECT TO     WHEN THE WIND BLOWS
 SEC/CUBIC METER  THE TOTAL TIME      INTO THIS SECTOR ONLY

                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 4)=    .807
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 5)=   1.967
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 6)=   4.597
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 7)=   5.646
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 8)=   6.328
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 9)=   7.116
     6.165E-05              .091               1.000
     4.808E-05              .272               3.000
     4.074E-05              .454               5.000
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     3.018E-05              .907            10.000
     2.165E-05             1.361            15.000
     1.691E-05             1.815            20.000
     1.392E-05             2.268            25.000
     1.183E-05             2.722            30.000
     1.027E-05             3.176            35.000
     9.064E-06             3.629            40.000
     8.095E-06             4.083            45.000
     7.300E-06             4.537            50.000
     6.184E-06             4.990            55.000
     5.241E-06             5.444            60.000
     4.316E-06             5.898            65.000
     3.474E-06             6.352            70.000
     2.699E-06             6.805            75.000
0    3.937E-05             0.5               5.51
0ANNUAL AVERAGE =   4.08E-07
1USNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 12/17/2009

/PLANT NAME: SCE&G VCS U1  July20                METEOROLOGICAL INSTRUMENTATION
 DATA PERIOD: 03 - June2006 Ground               WIND SENSORS HEIGHT: 10-m
 TYPE OF RELEASE: -Level Release                 DELTA-T HEIGHTS: 10-m to 61-m
 SOURCE OF DATA: EAB=1609 m LPZ=4828 m
 COMMENTS: Accidental Releases
 PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
0LOW POPULATION ZONE CALCULATIONS:
0  NE SECTOR     BOUNDARY DISTANCE = 4828.0 METERS
0LATERAL PLUME MEANDER/BUILDING WAKE CREDIT ALLOWED
 AS A FUNCTION OF DOWNWIND DISTANCE.
 MEANDER CREDIT IS FOR WINDSPEEDS LESS THAN 6 MPS.
 BUILDING WAKE CREDIT ALLOWED:   C=   .5     A=  1740.     D=   44.8
 CORRECTION FACTORS USED IN THE ANNUAL AVERAGE CALCULATIONS.
0BELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
 THE TOP NUMBER IS THE CHI/Q.  THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
 THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.
0   1.412E-04   9.416E-05   7.062E-05   5.045E-05   4.708E-05   3.784E-05   3.531E-05   3.308E-05   2.523E-05   2.500E-05
         .034        .170        .951       1.121       4.448       4.754       6.587      10.017      12.054      12.088
      .00396      .01981      .11094      .13076      .51906      .55472      .76868     1.16887     1.40661     1.41057
0   2.473E-05   1.892E-05   1.854E-05   1.574E-05   1.301E-05   1.236E-05   1.145E-05   9.758E-06   9.272E-06   7.200E-06
       12.156      16.197      16.638      22.954      23.022      27.063      27.233      27.538      34.771      50.628
      1.41850     1.89001     1.94152     2.67850     2.68643     3.15794     3.17775     3.21341     4.05737     5.90776
0   6.505E-06   4.976E-06   4.879E-06   3.613E-06   3.514E-06   2.282E-06   1.862E-06   1.652E-06   1.396E-06   9.310E-07
       52.088      56.163      58.540      58.608      67.199      74.533      74.737      75.722      76.503      78.913
      6.07814     6.55361     6.83097     6.83889     7.84135     8.69720     8.72098     8.83588     8.92702     9.20834
0   5.937E-07   5.586E-07   4.453E-07   4.099E-07   3.990E-07   2.968E-07   2.732E-07   2.049E-07   1.781E-07   1.366E-07
       79.185      80.883      81.630      81.664      82.139      85.025      85.297      86.180      88.183      94.941
      9.24004     9.43815     9.52532     9.52928     9.58475     9.92155     9.95325    10.05626    10.29004    11.07853
0   1.272E-07   8.197E-08   5.855E-08
       95.076      99.626     100.000
     11.09438    11.62533    11.66891
0          X/Q PERCENTILES
 (BASED ON THE UPPER ENVELOPE OF THE
 ORDERED X/Q-FREQUENCY VALUES, AND AS
 PLOTTED ON A LOG-NORMAL GRAPH.)
0 PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED
        CHI/Q       WITH RESPECT TO     WHEN THE WIND BLOWS
 SEC/CUBIC METER  THE TOTAL TIME      INTO THIS SECTOR ONLY
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                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 4)=   1.168
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 5)=   2.676
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 6)=   5.904
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 7)=   7.838
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 8)=   8.694
     6.975E-05                .117              1.000
     5.252E-05                .350              3.000
     4.484E-05                .583              5.000
     3.310E-05               1.167             10.000
     2.330E-05               1.750             15.000
     1.792E-05               2.334             20.000
     1.454E-05               2.917             25.000
     1.223E-05               3.501             30.000
     1.052E-05               4.084             35.000
     9.203E-06               4.668             40.000
     8.152E-06               5.251             45.000
     7.296E-06               5.834             50.000
     5.865E-06               6.418             55.000
     4.709E-06               7.001             60.000
     3.832E-06               7.585             65.000
     2.968E-06               8.168             70.000
0    4.758E-05               0.5                4.28
0ANNUAL AVERAGE =   5.52E-07
1USNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 12/17/2009

/PLANT NAME: SCE&G VCS U1  July20                METEOROLOGICAL INSTRUMENTATION
 DATA PERIOD: 03 - June2006 Ground               WIND SENSORS HEIGHT: 10-m
 TYPE OF RELEASE: -Level Release                 DELTA-T HEIGHTS: 10-m to 61-m
 SOURCE OF DATA: EAB=1609 m LPZ=4828 m
 COMMENTS: Accidental Releases
 PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
0LOW POPULATION ZONE CALCULATIONS:
0 ENE SECTOR     BOUNDARY DISTANCE = 4828.0 METERS
0LATERAL PLUME MEANDER/BUILDING WAKE CREDIT ALLOWED
 AS A FUNCTION OF DOWNWIND DISTANCE.
 MEANDER CREDIT IS FOR WINDSPEEDS LESS THAN 6 MPS.
 BUILDING WAKE CREDIT ALLOWED:   C=   .5     A=  1740.     D=   44.8
 CORRECTION FACTORS USED IN THE ANNUAL AVERAGE CALCULATIONS.
0BELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
 THE TOP NUMBER IS THE CHI/Q.  THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
 THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.
0   9.416E-05   7.062E-05   5.045E-05   4.708E-05   3.784E-05   3.709E-05   3.531E-05   3.308E-05   2.523E-05   2.473E-05
        .073       1.055       1.091       6.111       6.875       6.912       9.895      13.714      15.497      15.606
      .00792      .11491      .11887      .66566      .74887      .75283     1.07774     1.49378     1.68793     1.69982
0   1.892E-05   1.854E-05   1.574E-05   1.301E-05   1.236E-05   1.145E-05   9.758E-06   9.272E-06   7.200E-06   6.505E-06
      18.625      18.952      23.136      23.318      26.919      26.992      27.392      32.666      43.616      45.289
     2.02869     2.06435     2.52001     2.53982     2.93209     2.94001     2.98360     3.55813     4.75077     4.93304
0   4.976E-06   4.879E-06   3.613E-06   3.514E-06   2.793E-06   2.282E-06   1.862E-06   1.652E-06   1.396E-06   9.310E-07
      49.072      52.128      52.201      60.022      60.058      66.242      66.606      67.261      68.498      70.898
     5.34512     5.67795     5.68587     6.53776     6.54172     7.21531     7.25493     7.32625     7.46097     7.72248
0   5.937E-07   5.586E-07   4.453E-07   3.990E-07   2.968E-07   2.793E-07   2.732E-07   2.049E-07   1.781E-07   1.366E-07
      71.226      73.045      73.554      73.809      77.083      77.119      77.301      78.901      81.266      88.978
     7.75814     7.95626     8.01173     8.03946     8.39607     8.40003     8.41984     8.59418     8.85173     9.69174
0   1.272E-07   8.197E-08   5.855E-08
      89.196      98.763     100.000
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     9.71551    10.75759    10.89231
0          X/Q PERCENTILES
 (BASED ON THE UPPER ENVELOPE OF THE
 ORDERED X/Q-FREQUENCY VALUES, AND AS
 PLOTTED ON A LOG-NORMAL GRAPH.)
0 PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED
        CHI/Q      WITH RESPECT TO     WHEN THE WIND BLOWS
 SEC/CUBIC METER  THE TOTAL TIME      INTO THIS SECTOR ONLY

                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 4)=   1.492
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 5)=   2.517
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 6)=   4.747
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 7)=   5.674
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 8)=   6.534
     7.107E-05              .109             1.000
     5.596E-05              .327             3.000
     4.950E-05              .545             5.000
     3.813E-05             1.089            10.000
     2.924E-05             1.634            15.000
     1.947E-05             2.178            20.000
     1.437E-05             2.723            25.000
     1.154E-05             3.268            30.000
     9.542E-06             3.812            35.000
     8.055E-06             4.357            40.000
     6.732E-06             4.902            45.000
     5.351E-06             5.446            50.000
     4.312E-06             5.991            55.000
     3.517E-06             6.535            60.000
0    5.055E-05             0.5               4.59
0ANNUAL AVERAGE =   5.09E-07
1USNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 12/17/2009

/PLANT NAME: SCE&G VCS U1  July20                METEOROLOGICAL INSTRUMENTATION
 DATA PERIOD: 03 - June2006 Ground               WIND SENSORS HEIGHT: 10-m
 TYPE OF RELEASE: -Level Release                 DELTA-T HEIGHTS: 10-m to 61-m
 SOURCE OF DATA: EAB=1609 m LPZ=4828 m
 COMMENTS: Accidental Releases
 PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
0LOW POPULATION ZONE CALCULATIONS:
0   E SECTOR     BOUNDARY DISTANCE = 4828.0 METERS
0LATERAL PLUME MEANDER/BUILDING WAKE CREDIT ALLOWED
 AS A FUNCTION OF DOWNWIND DISTANCE.
 MEANDER CREDIT IS FOR WINDSPEEDS LESS THAN 6 MPS.
 BUILDING WAKE CREDIT ALLOWED:   C=   .5     A=  1740.     D=   44.8
 CORRECTION FACTORS USED IN THE ANNUAL AVERAGE CALCULATIONS.
0BELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
 THE TOP NUMBER IS THE CHI/Q.  THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
 THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.
0   1.412E-04   9.416E-05   7.568E-05   7.062E-05   5.045E-05   4.708E-05   3.784E-05   3.531E-05   3.308E-05   2.523E-05
         .041        .248        .289        .991       1.156       6.356       6.810      10.153      13.950      16.550
       .00396      .02377      .02774      .09509      .11094      .61019      .65378      .97472     1.33925     1.58887
0   2.500E-05   2.473E-05   1.892E-05   1.854E-05   1.574E-05   1.301E-05   1.236E-05   1.145E-05   9.758E-06   9.272E-06
        16.591      16.674      18.820      19.274      24.309      24.391      27.239      27.487      27.858      31.572
      1.59284     1.60076     1.80680     1.85038     2.33378     2.34171     2.61510     2.63888     2.67454     3.03114
0   7.200E-06   6.505E-06   4.976E-06   4.879E-06   3.613E-06   3.514E-06   2.282E-06   1.862E-06   1.652E-06   1.396E-06
        46.471      48.700      53.776      56.459      56.748      64.507      74.082      74.247      76.888      77.383
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      4.46153     4.67549     5.16285     5.42040     5.44813     6.19304     7.11229     7.12814     7.38173     7.42927
0   1.156E-06   9.310E-07   8.905E-07   5.937E-07   5.586E-07   4.453E-07   4.099E-07   3.990E-07   2.968E-07   2.732E-07
       77.507      79.364      79.447      79.571      82.460      83.161      83.203      83.739      85.596      85.761
      7.44116     7.61946     7.62739     7.63927     7.91663     7.98399     7.98795     8.03946     8.21777     8.23361
0   2.049E-07   1.781E-07   1.366E-07   1.272E-07   8.905E-08   8.197E-08   5.855E-08   4.099E-08
       86.587      89.104      91.003      92.447      92.654      98.762      99.959     100.000
      8.31286     8.55456     8.73682     8.87550     8.89532     9.48173     9.59664     9.60060
0          X/Q PERCENTILES
 (BASED ON THE UPPER ENVELOPE OF THE
 ORDERED X/Q-FREQUENCY VALUES, AND AS
 PLOTTED ON A LOG-NORMAL GRAPH.)
0 PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED
        CHI/Q      WITH RESPECT TO     WHEN THE WIND BLOWS
 SEC/CUBIC METER  THE TOTAL TIME      INTO THIS SECTOR ONLY

                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 3)=   1.338
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 4)=   2.331
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 5)=   4.458
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 6)=   5.417
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 7)=   6.189
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 8)=   7.108
     7.418E-05                .096              1.000
     5.719E-05                .288              3.000
     5.019E-05                .480              5.000
     3.857E-05                .960             10.000
     3.012E-05               1.440             15.000
     2.057E-05               1.920             20.000
     1.524E-05               2.400             25.000
     1.233E-05               2.880             30.000
     1.025E-05               3.360             35.000
     8.698E-06               3.840             40.000
     7.501E-06               4.320             45.000
     6.231E-06               4.800             50.000
     5.146E-06               5.280             55.000
     4.205E-06               5.760             60.000
     3.433E-06               6.240             65.000
     2.727E-06               6.720             70.000
0    4.965E-05               0.5                5.21
0ANNUAL AVERAGE =   4.73E-07
1USNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 12/17/2009

/PLANT NAME: SCE&G VCS U1  July20                METEOROLOGICAL INSTRUMENTATION
 DATA PERIOD: 03 - June2006 Ground               WIND SENSORS HEIGHT: 10-m
 TYPE OF RELEASE: -Level Release                 DELTA-T HEIGHTS: 10-m to 61-m
 SOURCE OF DATA: EAB=1609 m LPZ=4828 m
 COMMENTS: Accidental Releases
 PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
0LOW POPULATION ZONE CALCULATIONS:
0 ESE SECTOR     BOUNDARY DISTANCE = 4828.0 METERS
0LATERAL PLUME MEANDER/BUILDING WAKE CREDIT ALLOWED
 AS A FUNCTION OF DOWNWIND DISTANCE.
 MEANDER CREDIT IS FOR WINDSPEEDS LESS THAN 6 MPS.
 BUILDING WAKE CREDIT ALLOWED:   C=   .5     A=  1740.     D=   44.8
 CORRECTION FACTORS USED IN THE ANNUAL AVERAGE CALCULATIONS.
0BELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
 THE TOP NUMBER IS THE CHI/Q.  THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
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 THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.
0   1.412E-04   9.416E-05   7.062E-05   5.045E-05   4.708E-05   3.784E-05   3.709E-05   3.531E-05   3.308E-05   2.523E-05
        .094        .187       1.216       1.590       6.080       7.016       7.109       9.448      12.535      16.838
      .00396      .00792      .05151      .06736      .25755      .29717      .30113      .40019      .53095      .71321
0   2.473E-05   1.892E-05   1.854E-05   1.574E-05   1.301E-05   1.236E-05   1.145E-05   9.758E-06   9.272E-06   7.200E-06
      17.399      20.580      21.515      26.660      27.035      32.086      32.367      33.396      38.354      48.644
      .73698      .87170      .91132     1.12925     1.14510     1.35906     1.37095     1.41453     1.62453     2.06039
0   6.505E-06   4.976E-06   4.879E-06   3.514E-06   2.282E-06   1.862E-06   1.652E-06   1.396E-06   9.310E-07   5.937E-07
      52.105      53.508      58.372      67.072      72.778      73.340      74.556      75.865      78.765      78.952
      2.20699     2.26642     2.47246     2.84095     3.08265     3.10643     3.15794     3.21341     3.33624     3.34416
0   5.586E-07   4.453E-07   3.990E-07   2.968E-07   2.732E-07   2.049E-07   1.781E-07   1.366E-07   1.272E-07   8.197E-08
      82.226      82.975      83.349      86.249      86.623      87.278      91.487      94.761      95.136      99.626
      3.48284     3.51454     3.53039     3.65322     3.66907     3.69681     3.87511     4.01379     4.02964     4.21983
0   5.855E-08
      100.000
      4.23568
0          X/Q PERCENTILES
 (BASED ON THE UPPER ENVELOPE OF THE
 ORDERED X/Q-FREQUENCY VALUES, AND AS
 PLOTTED ON A LOG-NORMAL GRAPH.)
0 PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED
        CHI/Q      WITH RESPECT TO     WHEN THE WIND BLOWS
 SEC/CUBIC METER  THE TOTAL TIME      INTO THIS SECTOR ONLY

                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 3)=    .530
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 4)=    .736
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 5)=   1.128
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 6)=   2.058
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 7)=   2.205
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 8)=   2.838
     7.885E-05                .042              1.000
     5.815E-05                .127              3.000
     4.999E-05                .212              5.000
     3.704E-05                .424             10.000
     2.824E-05                .635             15.000
     2.139E-05                .847             20.000
     1.687E-05               1.059             25.000
     1.357E-05               1.271             30.000
     1.114E-05               1.482             35.000
     9.355E-06               1.694             40.000
     7.998E-06               1.906             45.000
     6.914E-06               2.118             50.000
     5.713E-06               2.330             55.000
     4.626E-06               2.541             60.000
     3.799E-06               2.753             65.000
0    3.409E-05               0.5               11.80
0ANNUAL AVERAGE =   2.31E-07
1USNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 12/17/2009

/PLANT NAME: SCE&G VCS U1  July20                METEOROLOGICAL INSTRUMENTATION
 DATA PERIOD: 03 - June2006 Ground               WIND SENSORS HEIGHT: 10-m
 TYPE OF RELEASE: -Level Release                 DELTA-T HEIGHTS: 10-m to 61-m
 SOURCE OF DATA: EAB=1609 m LPZ=4828 m
 COMMENTS: Accidental Releases
 PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
0LOW POPULATION ZONE CALCULATIONS:
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0  SE SECTOR     BOUNDARY DISTANCE = 4828.0 METERS
0LATERAL PLUME MEANDER/BUILDING WAKE CREDIT ALLOWED
 AS A FUNCTION OF DOWNWIND DISTANCE.
 MEANDER CREDIT IS FOR WINDSPEEDS LESS THAN 6 MPS.
 BUILDING WAKE CREDIT ALLOWED:   C=   .5     A=  1740.     D=   44.8
 CORRECTION FACTORS USED IN THE ANNUAL AVERAGE CALCULATIONS.
0BELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
 THE TOP NUMBER IS THE CHI/Q.  THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
 THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.
0   9.416E-05   7.062E-05   4.708E-05   3.784E-05   3.531E-05   3.308E-05   2.523E-05   2.473E-05   1.892E-05   1.854E-05
         .111        .996       2.212       2.876       3.982       5.752       7.301       7.522      10.066      10.951
       .00396      .03566      .07925      .10302      .14264      .20604      .26151      .26943      .36057      .39227
0   1.574E-05   1.301E-05   1.236E-05   1.145E-05   9.758E-06   9.272E-06   7.200E-06   6.505E-06   4.976E-06   4.879E-06
      14.270      14.381      17.257      17.478      18.142      21.460      29.425      31.637      34.845      38.717
      .51113      .51510      .61812      .62604      .64981      .76868     1.05397     1.13321     1.24812     1.38680
0   3.613E-06   3.514E-06   2.282E-06   1.862E-06   1.652E-06   1.396E-06   1.156E-06   9.310E-07   8.896E-07   5.937E-07
      38.827      50.774      62.168      62.832      66.482      67.367      67.920      71.460      71.571      71.681
     1.39076     1.81869     2.22680     2.25057     2.38133     2.41303     2.43284     2.55963     2.56359     2.56756
0   5.586E-07   4.453E-07   3.990E-07   2.968E-07   2.793E-07   2.732E-07   2.049E-07   1.781E-07   1.366E-07   1.272E-07
      74.889      75.774      77.323      81.084      81.416      81.969      82.743      87.611      90.708      92.035
     2.68246     2.71416     2.76963     2.90435     2.91624     2.93605     2.96378     3.13813     3.24907     3.29662
0   8.905E-08   8.197E-08   5.855E-08   4.099E-08
      93.031      98.894      99.779     100.000
     3.33228     3.54228     3.57398     3.58190
0          X/Q PERCENTILES
 (BASED ON THE UPPER ENVELOPE OF THE
 ORDERED X/Q-FREQUENCY VALUES, AND AS
 PLOTTED ON A LOG-NORMAL GRAPH.)
0 PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED
        CHI/Q      WITH RESPECT TO     WHEN THE WIND BLOWS
 SEC/CUBIC METER  THE TOTAL TIME      INTO THIS SECTOR ONLY

                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 3)=    .206
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 4)=    .511
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 5)=   1.053
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 6)=   1.817
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 7)=   2.224
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 8)=   2.379
     7.050E-05                .036              1.000
     4.439E-05                .107              3.000
     3.529E-05                .179              5.000
     2.122E-05                .358             10.000
     1.494E-05                .537             15.000
     1.102E-05                .716             20.000
     8.638E-06                .895             25.000
     7.025E-06               1.075             30.000
     5.764E-06               1.254             35.000
     4.841E-06               1.433             40.000
     4.138E-06               1.612             45.000
     3.588E-06               1.791             50.000
     2.968E-06               1.970             55.000
     2.464E-06               2.149             60.000
     1.842E-06               2.328             65.000
0    1.604E-05               0.5               13.96
0ANNUAL AVERAGE =   1.27E-07
1USNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 12/17/2009
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/PLANT NAME: SCE&G VCS U1  July20                METEOROLOGICAL INSTRUMENTATION
 DATA PERIOD: 03 - June2006 Ground               WIND SENSORS HEIGHT: 10-m
 TYPE OF RELEASE: -Level Release                 DELTA-T HEIGHTS: 10-m to 61-m
 SOURCE OF DATA: EAB=1609 m LPZ=4828 m
 COMMENTS: Accidental Releases
 PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
0LOW POPULATION ZONE CALCULATIONS:
0 SSE SECTOR     BOUNDARY DISTANCE = 4828.0 METERS
0LATERAL PLUME MEANDER/BUILDING WAKE CREDIT ALLOWED
 AS A FUNCTION OF DOWNWIND DISTANCE.
 MEANDER CREDIT IS FOR WINDSPEEDS LESS THAN 6 MPS.
 BUILDING WAKE CREDIT ALLOWED:   C=   .5     A=  1740.     D=   44.8
 CORRECTION FACTORS USED IN THE ANNUAL AVERAGE CALCULATIONS.
0BELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
 THE TOP NUMBER IS THE CHI/Q.  THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
 THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.
0   7.062E-05   5.045E-05   4.708E-05   3.784E-05   3.531E-05   3.308E-05   2.523E-05   1.892E-05   1.854E-05   1.574E-05
         .266        .399        .932       1.198       1.332       1.997       3.728       4.394       5.193       5.992
       .00792      .01189      .02774      .03566      .03962      .05943      .11094      .13076      .15453      .17830
0   1.301E-05   1.236E-05   1.145E-05   9.758E-06   9.272E-06   7.200E-06   6.505E-06   4.976E-06   4.879E-06   3.613E-06
        6.391       8.389       8.788       9.720      11.585      18.109      21.305      26.631      29.028      29.694
       .19019      .24962      .26151      .28925      .34472      .53887      .63396      .79246      .86378      .88359
0   3.514E-06   2.529E-06   2.282E-06   1.862E-06   1.652E-06   1.396E-06   1.156E-06   9.310E-07   8.896E-07   5.937E-07
       39.547      39.814      53.395      54.727      62.450      64.314      69.108      72.836      72.969      74.168
      1.17680     1.18472     1.58887     1.62850     1.85831     1.91378     2.05642     2.16737     2.17133     2.20699
0   5.586E-07   4.453E-07   3.990E-07   2.968E-07   2.793E-07   2.732E-07   2.049E-07   1.781E-07   1.366E-07   1.272E-07
       76.831      78.562      79.760      82.823      84.288      84.554      87.217      90.013      93.742      95.340
      2.28624     2.33774     2.37341     2.46454     2.50812     2.51605     2.59529     2.67850     2.78944     2.83699
0   8.905E-08   8.197E-08   6.850E-08   5.855E-08   4.099E-08   3.153E-08
       96.272      98.269      98.402      99.068      99.867     100.000
      2.86473     2.92416     2.92812     2.94794     2.97171     2.97567
0          X/Q PERCENTILES
 (BASED ON THE UPPER ENVELOPE OF THE
 ORDERED X/Q-FREQUENCY VALUES, AND AS
 PLOTTED ON A LOG-NORMAL GRAPH.)
0 PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED
        CHI/Q      WITH RESPECT TO     WHEN THE WIND BLOWS
 SEC/CUBIC METER  THE TOTAL TIME      INTO THIS SECTOR ONLY

                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 2)=    .028
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 3)=    .111
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 4)=    .538
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 5)=    .633
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 6)=    .863
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 7)=   1.175
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 8)=   1.587
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 9)=   1.856
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE(10)=   2.054
     4.568E-05                .030              1.000
     2.794E-05                .089              3.000
     2.026E-05                .149              5.000
     1.180E-05                .298             10.000
     8.449E-06                .446             15.000
     6.769E-06                .595             20.000
     5.614E-06                .744             25.000
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     4.714E-06              .893            30.000
     4.007E-06             1.041            35.000
     3.458E-06             1.190            40.000
     2.925E-06             1.339            45.000
     2.512E-06             1.488            50.000
     2.148E-06             1.637            55.000
     1.795E-06             1.785            60.000
     1.436E-06             1.934            65.000
0    7.676E-06             0.5              16.80
0ANNUAL AVERAGE =   7.82E-08
1USNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 12/17/2009

/PLANT NAME: SCE&G VCS U1  July20                METEOROLOGICAL INSTRUMENTATION
 DATA PERIOD: 03 - June2006 Ground               WIND SENSORS HEIGHT: 10-m
 TYPE OF RELEASE: -Level Release                 DELTA-T HEIGHTS: 10-m to 61-m
 SOURCE OF DATA: EAB=1609 m LPZ=4828 m
 COMMENTS: Accidental Releases
 PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
0LOW POPULATION ZONE CALCULATIONS:
 DIRECTION-INDEPENDENT (S.R.P 2.3.4) MODEL.
 MINIMUM BOUNDARY DISTANCE = 4828.0 METERS.
 BUILDING WAKE CREDIT ALLOWED:   C=   .5     A=  1740.     D=   44.8
 CORRECTION FACTORS USED IN THE ANNUAL AVERAGE CALCULATIONS.
0BELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
 THE TOP NUMBER IS THE CHI/Q.  THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
 THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.
0   2.500E-04   1.667E-04   1.250E-04   1.145E-04   8.334E-05   7.630E-05   6.251E-05   5.723E-05   5.058E-05   4.167E-05
        .012        .099        .555        .567       2.833       2.940       4.327       4.652       4.664       7.049
      .01189      .09906      .55472      .56661     2.83303     2.94001     4.32681     4.65172     4.66360     7.04889
0   3.815E-05   3.372E-05   2.861E-05   2.529E-05   2.500E-05   2.313E-05   1.908E-05   1.786E-05   1.686E-05   1.542E-05
       8.650       8.753      10.987      11.376      11.439      11.443      16.000      16.004      18.603      18.682
     8.64966     8.75268    10.98740    11.37570    11.43910    11.44306    15.99968    16.00365    18.60290    18.68215
0   1.265E-05   1.156E-05   1.145E-05   8.430E-06   7.710E-06   5.782E-06   5.058E-06   3.855E-06   3.724E-06   3.613E-06
      22.743      23.053      23.639      34.773      36.421      39.183      43.728      53.178      53.182      53.423
    22.74349    23.05254    23.63896    34.77297    36.42128    39.18298    43.72771    53.17775    53.18172    53.42342
0   2.793E-06   2.529E-06   2.313E-06   1.862E-06   1.652E-06   1.396E-06   1.156E-06   9.310E-07   8.905E-07   8.896E-07
      53.427      53.467      66.919      67.228      73.817      74.661      76.115      78.711      78.723      78.774
    53.42738    53.46700    66.91894    67.22800    73.81727    74.66123    76.11539    78.71068    78.72256    78.77407
0   5.937E-07   5.586E-07   4.453E-07   4.099E-07   3.990E-07   2.968E-07   2.793E-07   2.732E-07   2.148E-07   2.049E-07
      79.004      81.908      82.475      82.483      84.095      86.334      87.039      87.257      87.269      88.192
    79.00388    81.90823    82.47483    82.48276    84.09541    86.33409    87.03938    87.25730    87.26919    88.19240
0   1.781E-07   1.552E-07   1.366E-07   1.272E-07   8.905E-08   8.197E-08   6.850E-08   5.855E-08   4.099E-08   3.153E-08
      90.720      90.724      94.057      94.901      95.221      99.057      99.073      99.838      99.988     100.000
    90.72033    90.72429    94.05656    94.90053    95.22147    99.05696    99.07281    99.83752    99.98809    99.99998
0          X/Q PERCENTILES
 (BASED ON THE UPPER ENVELOPE OF THE
 ORDERED X/Q-FREQUENCY VALUES, AND AS
 PLOTTED ON A LOG-NORMAL GRAPH.)
0 PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED
        CHI/Q      WITH RESPECT TO     WHEN THE WIND BLOWS
 SEC/CUBIC METER  THE TOTAL TIME      INTO THIS SECTOR ONLY

                                                   HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 4)=   8.646
                                                   HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 5)=  18.606
     1.091E-04              1.000            1.000
     8.038E-05              3.000            3.000
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     5.725E-05              5.000              5.000
     3.314E-05             10.000             10.000
     2.165E-05             15.000             15.000
     1.571E-05             20.000             20.000
     1.247E-05             25.000             25.000
     1.013E-05             30.000             30.000
     8.350E-06             35.000             35.000
     6.795E-06             40.000             40.000
     5.568E-06             45.000             45.000
     4.578E-06             50.000             50.000
     3.764E-06             55.000             55.000
     3.084E-06             60.000             60.000
     2.510E-06             65.000             65.000
     2.076E-06             70.000             70.000
     1.722E-06             75.000             75.000
     1.398E-06             80.000             80.000
     1.096E-06             85.000             85.000
     8.078E-07             90.000             90.000
0    5.725E-05              5.0                5.00
1USNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 12/17/2009

/PLANT NAME: SCE&G VCS U1  July20                METEOROLOGICAL INSTRUMENTATION
 DATA PERIOD: 03 - June2006 Ground               WIND SENSORS HEIGHT: 10-m
 TYPE OF RELEASE: -Level Release                 DELTA-T HEIGHTS: 10-m to 61-m
 SOURCE OF DATA: EAB=1609 m LPZ=4828 m
 COMMENTS: Accidental Releases
 PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
0LOW POPULATION ZONE CALCULATIONS:
0FIVE PERCENT OVERALL SITE LIMIT
 BUILDING WAKE CREDIT ALLOWED:   C=   .5     A=  1740.     D=   44.8
 CORRECTION FACTORS USED IN THE ANNUAL AVERAGE CALCULATIONS.
0BELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
 THE TOP NUMBER IS THE CHI/Q.  THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
 THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.
0   1.412E-04   9.416E-05   7.568E-05   7.062E-05   5.045E-05   4.708E-05   3.784E-05   3.709E-05   3.531E-05   3.308E-05
        .012        .099        .111        .567        .674       2.940       3.265       3.277       4.664       7.049
     .01189      .09906      .11094      .56661      .67359     2.94001     3.26492     3.27680     4.66360     7.04890
0   2.523E-05   2.500E-05   2.473E-05   1.952E-05   1.892E-05   1.854E-05   1.786E-05   1.574E-05   1.301E-05   1.236E-05
       8.650       8.713       8.816       8.820      11.055      11.443      11.447      16.004      16.083      18.682
     8.64966     8.71306     8.81608     8.82004    11.05477    11.44308    11.44704    16.00366    16.08290    18.68216
0   1.145E-05   9.758E-06   9.272E-06   7.200E-06   6.505E-06   4.976E-06   4.879E-06   3.724E-06   3.613E-06   3.514E-06
      19.269      19.578      23.639      34.773      36.421      40.966      43.728      43.732      43.973      53.423
    19.26858    19.57763    23.63897    34.77297    36.42129    40.96603    43.72774    43.73170    43.97340    53.42343
0   2.793E-06   2.529E-06   2.282E-06   1.862E-06   1.652E-06   1.396E-06   1.156E-06   9.310E-07   8.905E-07   8.896E-07
      53.427      53.467      66.919      67.228      73.817      74.661      76.115      78.711      78.723      78.774
    53.42739    53.46701    66.91895    67.22798    73.81725    74.66123    76.11539    78.71068    78.72256    78.77406
0   5.937E-07   5.586E-07   4.453E-07   4.099E-07   3.990E-07   2.968E-07   2.793E-07   2.732E-07   2.148E-07   2.049E-07
      79.004      81.908      82.475      82.483      84.095      86.334      87.039      87.257      87.269      88.192
    79.00387    81.90820    82.47482    82.48273    84.09538    86.33408    87.03937    87.25729    87.26918    88.19238
0   1.781E-07   1.552E-07   1.366E-07   1.272E-07   8.905E-08   8.197E-08   6.850E-08   5.855E-08   4.099E-08   3.153E-08
      90.720      90.724      94.057      94.901      95.221      99.057      99.073      99.837      99.988     100.000
    90.72030    90.72426    94.05654    94.90049    95.22143    99.05692    99.07276    99.83747    99.98803    99.99991
0          X/Q PERCENTILES
 (BASED ON THE UPPER ENVELOPE OF THE
 ORDERED X/Q-FREQUENCY VALUES, AND AS
 PLOTTED ON A LOG-NORMAL GRAPH.)
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0 PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED

HANDCHECK GRAPH: SLOPE LT -1.0 FOR LOW PERCENTAGES. XSAVE(5)= 16.005

	CHI/Q SEC/CUBIC METER	WITH RESPECT TO THE TOTAL TIME	WHEN THE WIND BLOWS INTO THIS SECTOR ONLY
	6.202E-05	1.000	1.000
	4.673E-05	3.000	3.000
	3.828E-05	5.000	5.000
	2.459E-05	10.000	10.000
	1.680E-05	15.000	15.000
	1.291E-05	20.000	20.000
	1.039E-05	25.000	25.000
	8.554E-06	30.000	30.000
	7.139E-06	35.000	35.000
	5.945E-06	40.000	40.000
	4.980E-06	45.000	45.000
	4.185E-06	50.000	50.000
	3.517E-06	55.000	55.000
	2.947E-06	60.000	60.000
	2.454E-06	65.000	65.000
	2.049E-06	70.000	70.000
	1.700E-06	75.000	75.000
	1.381E-06	80.000	80.000
	1.084E-06	85.000	85.000
	7.994E-07	90.000	90.000
0	3.828E-05	5.0	5.00

1USNRC COMPUTER CODE-PAVAN, VERSION 2.0 RUN DATE: 12/17/2009

/PLANT NAME: SCE&G VCS U1 July20 METEOROLOGICAL INSTRUMENTATION
DATA PERIOD: 03 - June2006 Ground WIND SENSORS HEIGHT: 10-m
TYPE OF RELEASE: -Level Release DELTA-T HEIGHTS: 10-m to 61-m
SOURCE OF DATA: EAB=1609 m LPZ=4828 m
COMMENTS: Accidental Releases
PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
0 RELATIVE CONCENTRATION (X/Q) VALUES (SEC/CUBIC METER)
VERSUS
AVERAGING TIME

DOWNWIND SECTOR	DISTANCE (METERS)	0-2 HOURS	0-8 HOURS	8-24 HOURS	1-4 DAYS	4-30 DAYS	ANNUAL AVERAGE	HOURS PER YEAR MAX 0-2 HR X/Q IS EXCEEDED IN SECTOR	DOWNWIND SECTOR
S	4828.	8.00E-06	3.82E-06	2.64E-06	1.19E-06	3.75E-07	9.17E-08	.3	S
SSW	4828.	7.72E-06	3.79E-06	2.66E-06	1.23E-06	4.05E-07	1.04E-07	198.0	SSW
SW	4828.	7.11E-06	3.71E-06	2.68E-06	1.32E-06	4.81E-07	1.39E-07	.7	SW
WSW	4828.	6.52E-06	3.34E-06	2.39E-06	1.15E-06	4.07E-07	1.13E-07	1.3	WSW
W	4828.	8.69E-06	4.18E-06	2.90E-06	1.31E-06	4.18E-07	1.04E-07	1.1	W
WNW	4828.	7.86E-06	3.58E-06	2.42E-06	1.03E-06	3.02E-07	6.74E-08	1.7	WNW
NW	4828.	1.24E-05	5.67E-06	3.83E-06	1.63E-06	4.80E-07	1.07E-07	3.3	NW
NNW	4828.	2.86E-05	1.31E-05	8.88E-06	3.82E-06	1.13E-06	2.57E-07	5.4	NNW
N	4828.	3.90E-05	1.80E-05	1.23E-05	5.33E-06	1.61E-06	3.71E-07	18.6	N
NNE	4828.	3.94E-05	1.85E-05	1.27E-05	5.59E-06	1.72E-06	4.08E-07	19.2	NNE
NE	4828.	4.76E-05	2.28E-05	1.58E-05	7.09E-06	2.25E-06	5.52E-07	35.2	NE
ENE	4828.	5.06E-05	2.36E-05	1.62E-05	7.09E-06	2.17E-06	5.09E-07	43.7	ENE
E	4828.	4.96E-05	2.30E-05	1.57E-05	6.79E-06	2.05E-06	4.73E-07	40.9	E
ESE	4828.	3.41E-05	1.49E-05	9.88E-06	4.04E-06	1.12E-06	2.31E-07	17.9	ESE
SE	4828.	1.60E-05	7.20E-06	4.83E-06	2.03E-06	5.83E-07	1.27E-07	7.0	SE
SSE	4828.	7.68E-06	3.60E-06	2.46E-06	1.08E-06	3.32E-07	7.82E-08	2.0	SSE
MAX X/Q		5.06E-05				TOTAL HOURS AROUND SITE:		396.4	
SRP 2.3.4	4828.	5.73E-05	2.66E-05	1.81E-05	7.88E-06	2.38E-06	5.52E-07		
SITE LIMIT		3.83E-05	1.90E-05	1.34E-05	6.26E-06	2.10E-06	5.52E-07		

00.5 PERCENT X/Q TO AN INDIVIDUAL IS LIMITING.
0**NOTE**: VALUES ON THIS PAGE ARE APPROXIMATIONS ONLY.
CHECK THE REASONABLENESS OF THE ENVELOPES
COMPUTED FOR THE 0-2 HOUR VALUES. FOR ANY
FAULTY ENVELOPES, ADJUST THE ABOVE VALUES.

1USNRC COMPUTER CODE-PAVAN, VERSION 2.0 RUN DATE: 12/17/2009

/PLANT NAME: SCE&G VCS U1 July20 METEOROLOGICAL INSTRUMENTATION
DATA PERIOD: 03 - June2006 Ground WIND SENSORS HEIGHT: 10-m
TYPE OF RELEASE: -Level Release DELTA-T HEIGHTS: 10-m to 61-m
SOURCE OF DATA: EAB=1609 m LPZ=4828 m
COMMENTS: Accidental Releases
PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
0SITE EXCLUSION BOUNDARY CALCULATIONS:
0 S SECTOR BOUNDARY DISTANCE = 1609.0 METERS
0LATERAL PLUME MEANDER/BUILDING WAKE CREDIT ALLOWED
AS A FUNCTION OF DOWNWIND DISTANCE.
MEANDER CREDIT IS FOR WINDSPEEDS LESS THAN 6 MPS.
BUILDING WAKE CREDIT IS NOT INCLUDED.
CORRECTION FACTORS USED IN THE ANNUAL AVERAGE CALCULATIONS.
0BELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
THE TOP NUMBER IS THE CHI/Q. THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.

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0   1.470E-04   1.156E-04   1.000E-04   8.335E-05   7.349E-05   6.251E-05   5.512E-05   5.471E-05   5.455E-05   5.031E-05
         .101        .503        .603        .704       1.106       1.508       2.412       3.920       4.020       4.322
       .00396      .01981      .02377      .02774      .04359      .05943      .09509      .15453      .15849      .17038
0   4.168E-05   4.091E-05   3.126E-05   2.807E-05   2.728E-05   2.332E-05   2.046E-05   1.843E-05   1.617E-05   1.370E-05
        6.432       7.136       9.447      14.372      17.588      21.407      26.432      26.935      37.688      38.593
       .25359      .28132      .37245      .56661      .69340      .84397     1.04208     1.06189     1.48585     1.52152
0   1.290E-05   1.177E-05   1.028E-05   8.954E-06   6.850E-06   6.268E-06   5.315E-06   4.822E-06   4.110E-06   3.987E-06
       38.794      52.864      55.578      65.126      69.849      73.266      73.869      74.271      78.191      80.100
      1.52944     2.08416     2.19114     2.56756     2.75378     2.88850     2.91227     2.92812     3.08265     3.15794
0   2.936E-06   2.658E-06   2.055E-06   1.595E-06   1.581E-06   1.139E-06   7.973E-07   7.373E-07   5.530E-07   3.687E-07
       82.915      85.427      86.935      89.146      89.347      90.553      91.256      92.060      94.573      98.291
      3.26888     3.36794     3.42737     3.51454     3.52247     3.57001     3.59775     3.62945     3.72850     3.87511
0   2.212E-07   1.580E-07   1.106E-07
       98.894      99.799     100.000
      3.89888     3.93454     3.94247
0          X/Q PERCENTILES
 (BASED ON THE UPPER ENVELOPE OF THE
 ORDERED X/Q-FREQUENCY VALUES, AND AS
 PLOTTED ON A LOG-NORMAL GRAPH.)
0 PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED
        CHI/Q      WITH RESPECT TO     WHEN THE WIND BLOWS
 SEC/CUBIC METER  THE TOTAL TIME      INTO THIS SECTOR ONLY

                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 3)=    .158
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 4)=    .693
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 5)=   1.484
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 6)=   2.082
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 7)=   2.565
     9.133E-05                .039              1.000
     6.110E-05                .118              3.000
     4.955E-05                .197              5.000
     3.600E-05                .394             10.000
     2.955E-05                .591             15.000
     2.506E-05                .788             20.000
     2.157E-05                .986             25.000
     1.902E-05               1.183             30.000
     1.706E-05               1.380             35.000
     1.531E-05               1.577             40.000
     1.372E-05               1.774             45.000
     1.242E-05               1.971             50.000
     1.118E-05               2.168             55.000
     9.982E-06               2.365             60.000
     8.978E-06               2.563             65.000
0    3.210E-05               0.5               12.68
0ANNUAL AVERAGE =   1.22E-06
1USNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 12/17/2009

/PLANT NAME: SCE&G VCS U1  July20                METEOROLOGICAL INSTRUMENTATION
 DATA PERIOD: 03 - June2006 Ground               WIND SENSORS HEIGHT: 10-m
 TYPE OF RELEASE: -Level Release                 DELTA-T HEIGHTS: 10-m to 61-m
 SOURCE OF DATA: EAB=1609 m LPZ=4828 m
 COMMENTS: Accidental Releases
 PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
0SITE EXCLUSION BOUNDARY CALCULATIONS:
0 SSW SECTOR     BOUNDARY DISTANCE = 1609.0 METERS
0LATERAL PLUME MEANDER/BUILDING WAKE CREDIT ALLOWED
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 AS A FUNCTION OF DOWNWIND DISTANCE.
 MEANDER CREDIT IS FOR WINDSPEEDS LESS THAN 6 MPS.
 BUILDING WAKE CREDIT IS NOT INCLUDED.
 CORRECTION FACTORS USED IN THE ANNUAL AVERAGE CALCULATIONS.
0BELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
 THE TOP NUMBER IS THE CHI/Q.  THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
 THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.
0   1.734E-04   1.156E-04   1.102E-04   1.000E-04   8.671E-05   8.335E-05   7.349E-05   6.251E-05   5.512E-05   5.471E-05
        .073        .292        .365        .657        .730        .804       1.169       1.242       1.680       2.557
      .00396      .01585      .01981      .03566      .03962      .04359      .06340      .06736      .09113      .13868
0   5.455E-05   4.168E-05   4.091E-05   3.126E-05   2.807E-05   2.740E-05   2.728E-05   2.332E-05   2.046E-05   1.843E-05
       2.630       3.798       3.944       5.551      10.226      10.299      12.564      14.609      18.627      18.700
      .14264      .20604      .21396      .30113      .55472      .55868      .68151      .79246     1.01038     1.01434
0   1.617E-05   1.370E-05   1.290E-05   1.177E-05   1.028E-05   8.954E-06   6.850E-06   6.268E-06   5.315E-06   4.822E-06
      28.634      29.145      29.218      44.631      45.873      61.724      65.376      71.877      72.316      72.462
     1.55321     1.58095     1.58491     2.42095     2.48831     3.34813     3.54624     3.89888     3.92266     3.93058
0   4.110E-06   3.987E-06   2.936E-06   2.658E-06   2.055E-06   1.595E-06   1.581E-06   1.142E-06   1.139E-06   7.973E-07
      75.603      76.333      81.227      83.930      87.728      88.678      88.751      88.824      90.577      91.819
     4.10096     4.14058     4.40605     4.55266     4.75870     4.81021     4.81417     4.81813     4.91323     4.98059
0   7.373E-07   6.133E-07   5.530E-07   3.687E-07   2.212E-07   1.580E-07   1.106E-07   8.508E-08
      92.257      92.403      94.960      97.663      98.685      99.635      99.927     100.000
     5.00436     5.01228     5.15096     5.29757     5.35304     5.40455     5.42040     5.42436
0          X/Q PERCENTILES
 (BASED ON THE UPPER ENVELOPE OF THE
 ORDERED X/Q-FREQUENCY VALUES, AND AS
 PLOTTED ON A LOG-NORMAL GRAPH.)
0 PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED
        CHI/Q       WITH RESPECT TO     WHEN THE WIND BLOWS
 SEC/CUBIC METER  THE TOTAL TIME      INTO THIS SECTOR ONLY

                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 3)=    .143
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 4)=    .681
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 5)=   1.551
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 6)=   2.418
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 7)=   3.345
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 8)=   3.896
     8.382E-05                .054              1.000
     5.166E-05                .163              3.000
     4.157E-05                .271              5.000
     3.040E-05                .542             10.000
     2.449E-05                .814             15.000
     2.045E-05               1.085             20.000
     1.770E-05               1.356             25.000
     1.566E-05               1.627             30.000
     1.405E-05               1.899             35.000
     1.276E-05               2.170             40.000
     1.169E-05               2.441             45.000
     1.071E-05               2.712             50.000
     9.887E-06               2.983             55.000
     9.177E-06               3.255             60.000
     7.942E-06               3.526             65.000
     6.674E-06               3.797             70.000
0    3.157E-05               0.5                9.22
0ANNUAL AVERAGE =   1.39E-06
1USNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 12/17/2009
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/PLANT NAME: SCE&G VCS U1  July20                METEOROLOGICAL INSTRUMENTATION
 DATA PERIOD: 03 - June2006 Ground               WIND SENSORS HEIGHT: 10-m
 TYPE OF RELEASE: -Level Release                 DELTA-T HEIGHTS: 10-m to 61-m
 SOURCE OF DATA: EAB=1609 m LPZ=4828 m
 COMMENTS: Accidental Releases
 PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
0SITE EXCLUSION BOUNDARY CALCULATIONS:
0  SW SECTOR     BOUNDARY DISTANCE = 1609.0 METERS
0LATERAL PLUME MEANDER/BUILDING WAKE CREDIT ALLOWED
 AS A FUNCTION OF DOWNWIND DISTANCE.
 MEANDER CREDIT IS FOR WINDSPEEDS LESS THAN 6 MPS.
 BUILDING WAKE CREDIT IS NOT INCLUDED.
 CORRECTION FACTORS USED IN THE ANNUAL AVERAGE CALCULATIONS.
0BELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
 THE TOP NUMBER IS THE CHI/Q.  THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
 THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.
0   1.470E-04   1.000E-04   8.671E-05   8.335E-05   8.183E-05   7.349E-05   6.251E-05   5.512E-05   5.471E-05   5.031E-05
          .088        .219        .263        .351        .394        .482        .657        .920       1.402       1.446
        .00792      .01981      .02377      .03170      .03566      .04359      .05943      .08321      .12679      .13076
0   4.168E-05   4.091E-05   3.126E-05   2.807E-05   2.728E-05   2.332E-05   2.046E-05   1.843E-05   1.617E-05   1.370E-05
         2.103       2.235       3.243       5.390       6.223       7.581       9.290       9.684      16.652      16.959
        .19019      .20208      .29321      .48736      .56264      .68547      .84000      .87566     1.50567     1.53340
0   1.177E-05   1.028E-05   8.954E-06   6.850E-06   6.268E-06   5.315E-06   4.822E-06   4.110E-06   3.987E-06   2.936E-06
        39.220      40.184      65.294      68.142      72.875      73.006      73.138      77.914      78.221      84.443
       3.54624     3.63341     5.90380     6.16134     6.58927     6.60116     6.61304     7.04493     7.07267     7.63531
0   2.658E-06   2.055E-06   1.595E-06   1.139E-06   7.973E-07   7.373E-07   6.133E-07   5.530E-07   3.687E-07   2.212E-07
        86.065      88.782      91.280      92.901      93.690      93.909      93.953      95.004      97.108      98.379
       7.78192     8.02758     8.25343     8.40003     8.47135     8.49116     8.49513     8.59022     8.78041     8.89532
0   1.580E-07   1.106E-07   8.508E-08
        99.649      99.956     100.000
       9.01022     9.03796     9.04192
0          X/Q PERCENTILES
 (BASED ON THE UPPER ENVELOPE OF THE
 ORDERED X/Q-FREQUENCY VALUES, AND AS
 PLOTTED ON A LOG-NORMAL GRAPH.)
0 PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED
        CHI/Q       WITH RESPECT TO     WHEN THE WIND BLOWS
 SEC/CUBIC METER  THE TOTAL TIME      INTO THIS SECTOR ONLY

                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 2)=    .127
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 3)=    .562
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 4)=   5.900
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 5)=   6.585

     6.240E-05              .090            1.000
     3.884E-05              .271            3.000
     3.041E-05              .452            5.000
     2.243E-05              .904           10.000
     1.879E-05             1.356           15.000
     1.648E-05             1.808           20.000
     1.482E-05             2.260           25.000
     1.356E-05             2.713           30.000
     1.255E-05             3.165           35.000
     1.171E-05             3.617           40.000
     1.100E-05             4.069           45.000
     1.040E-05             4.521           50.000
     9.866E-06             4.973           55.000
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     9.397E-06              5.425              60.000
     8.978E-06              5.877              65.000
     7.150E-06              6.329              70.000
0    2.893E-05              0.5                 5.53
0ANNUAL AVERAGE =   1.87E-06
1USNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 12/17/2009

/PLANT NAME: SCE&G VCS U1  July20                METEOROLOGICAL INSTRUMENTATION
 DATA PERIOD: 03 - June2006 Ground               WIND SENSORS HEIGHT: 10-m
 TYPE OF RELEASE: -Level Release                 DELTA-T HEIGHTS: 10-m to 61-m
 SOURCE OF DATA: EAB=1609 m LPZ=4828 m
 COMMENTS: Accidental Releases
 PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
0SITE EXCLUSION BOUNDARY CALCULATIONS:
0 WSW SECTOR     BOUNDARY DISTANCE = 1609.0 METERS
0LATERAL PLUME MEANDER/BUILDING WAKE CREDIT ALLOWED
 AS A FUNCTION OF DOWNWIND DISTANCE.
 MEANDER CREDIT IS FOR WINDSPEEDS LESS THAN 6 MPS.
 BUILDING WAKE CREDIT IS NOT INCLUDED.
 CORRECTION FACTORS USED IN THE ANNUAL AVERAGE CALCULATIONS.
0BELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
 THE TOP NUMBER IS THE CHI/Q.  THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
 THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.
0   1.734E-04   1.156E-04   8.671E-05   7.349E-05   6.251E-05   5.512E-05   5.471E-05   4.168E-05   4.091E-05   3.126E-05
        .119        .178        .238        .534        .653        .950       1.366       2.197       2.257       3.444
      .00792      .01189      .01585      .03566      .04359      .06340      .09113      .14660      .15057      .22981
0   2.807E-05   2.728E-05   2.332E-05   2.046E-05   1.843E-05   1.617E-05   1.370E-05   1.177E-05   1.028E-05   8.954E-06
       5.879       6.295       9.086      10.333      10.511      19.834      20.071      53.563      53.860      72.803
      .39227      .42000      .60623      .68944      .70132     1.32340     1.33925     3.57398     3.59379     4.85775
0   6.850E-06   6.268E-06   5.315E-06   4.822E-06   4.110E-06   3.987E-06   2.936E-06   2.658E-06   2.055E-06   1.595E-06
      74.466      77.375      77.494      77.553      82.245      82.720      86.223      87.589      88.895      92.043
     4.96870     5.16285     5.17077     5.17474     5.48776     5.51945     5.75323     5.84436     5.93153     6.14153
0   1.139E-06   7.973E-07   7.373E-07   5.530E-07   3.687E-07   2.212E-07   1.580E-07   1.106E-07
      93.112      93.587      93.765      94.062      95.843      98.515      99.406     100.000
     6.21285     6.24455     6.25644     6.27625     6.39512     6.57342     6.63286     6.67248
0          X/Q PERCENTILES
 (BASED ON THE UPPER ENVELOPE OF THE
 ORDERED X/Q-FREQUENCY VALUES, AND AS
 PLOTTED ON A LOG-NORMAL GRAPH.)
0 PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED
        CHI/Q      WITH RESPECT TO     WHEN THE WIND BLOWS
 SEC/CUBIC METER  THE TOTAL TIME      INTO THIS SECTOR ONLY

                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 2)=    .091
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 3)=   1.322
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 5)=   4.854
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 6)=   5.159
     6.412E-05              .067               1.000
     3.952E-05              .200               3.000
     3.159E-05              .334               5.000
     2.286E-05              .667              10.000
     1.869E-05             1.001              15.000
     1.613E-05             1.334              20.000
     1.508E-05             1.668              25.000
     1.425E-05             2.002              30.000
     1.357E-05             2.335              35.000
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     1.299E-05              2.669              40.000
     1.249E-05              3.003              45.000
     1.206E-05              3.336              50.000
     1.151E-05              3.670              55.000
     1.066E-05              4.003              60.000
     9.926E-06              4.337              65.000
     9.282E-06              4.671              70.000
     7.528E-06              5.004              75.000
0    2.623E-05              0.5                 7.49
0ANNUAL AVERAGE =   1.51E-06
1USNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 12/17/2009

/PLANT NAME: SCE&G VCS U1  July20                METEOROLOGICAL INSTRUMENTATION
 DATA PERIOD: 03 - June2006 Ground               WIND SENSORS HEIGHT: 10-m
 TYPE OF RELEASE: -Level Release                 DELTA-T HEIGHTS: 10-m to 61-m
 SOURCE OF DATA: EAB=1609 m LPZ=4828 m
 COMMENTS: Accidental Releases
 PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
0SITE EXCLUSION BOUNDARY CALCULATIONS:
0   W SECTOR     BOUNDARY DISTANCE = 1609.0 METERS
0LATERAL PLUME MEANDER/BUILDING WAKE CREDIT ALLOWED
 AS A FUNCTION OF DOWNWIND DISTANCE.
 MEANDER CREDIT IS FOR WINDSPEEDS LESS THAN 6 MPS.
 BUILDING WAKE CREDIT IS NOT INCLUDED.
 CORRECTION FACTORS USED IN THE ANNUAL AVERAGE CALCULATIONS.
0BELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
 THE TOP NUMBER IS THE CHI/Q.  THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
 THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.
0   1.156E-04   1.102E-04   1.072E-04   1.000E-04   7.349E-05   6.251E-05   5.512E-05   5.471E-05   5.031E-05   4.168E-05
         .367        .459        .551       1.010       1.469       1.653       2.296       2.755       2.847       3.765
       .01585      .01981      .02377      .04359      .06340      .07132      .09906      .11887      .12283      .16245
0   4.091E-05   3.126E-05   2.807E-05   2.728E-05   2.332E-05   2.046E-05   1.843E-05   1.617E-05   1.370E-05   1.177E-05
       3.857       6.612      16.070      16.804      24.885      27.548      27.824      44.261      44.353      72.819
       .16642      .28528      .69340      .72510     1.07378     1.18868     1.20057     1.90982     1.91378     3.14209
0   1.028E-05   8.954E-06   6.850E-06   6.268E-06   5.315E-06   4.110E-06   3.987E-06   2.936E-06   2.658E-06   2.055E-06
      73.278      81.635      84.389      85.124      85.308      88.062      88.338      89.807      91.368      91.827
      3.16190     3.52247     3.64134     3.67303     3.68096     3.79983     3.81171     3.87511     3.94247     3.96228
0   1.595E-06   1.139E-06   7.973E-07   5.530E-07   3.687E-07   2.212E-07   1.580E-07
      94.582      95.592      95.868      96.143      97.612      99.908     100.000
      4.08115     4.12473     4.13662     4.14851     4.21190     4.31096     4.31492
0          X/Q PERCENTILES
 (BASED ON THE UPPER ENVELOPE OF THE
 ORDERED X/Q-FREQUENCY VALUES, AND AS
 PLOTTED ON A LOG-NORMAL GRAPH.)
0 PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED
        CHI/Q      WITH RESPECT TO     WHEN THE WIND BLOWS
 SEC/CUBIC METER  THE TOTAL TIME      INTO THIS SECTOR ONLY

                                                 HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 3)=    .693
                                                 HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 4)=   1.073
                                                 HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 5)=   3.139
                                                 HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 6)=   3.519
     1.002E-04              .043               1.000
     6.297E-05              .129               3.000
     4.993E-05              .216               5.000
     3.578E-05              .431              10.000
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     2.910E-05              .647            15.000
     2.562E-05              .863            20.000
     2.326E-05             1.079            25.000
     2.086E-05             1.294            30.000
     1.899E-05             1.510            35.000
     1.747E-05             1.726            40.000
     1.621E-05             1.942            45.000
     1.515E-05             2.157            50.000
     1.423E-05             2.373            55.000
     1.343E-05             2.589            60.000
     1.273E-05             2.805            65.000
     1.210E-05             3.020            70.000
     1.098E-05             3.236            75.000
     9.403E-06             3.452            80.000
0    3.323E-05             0.5              11.59
0ANNUAL AVERAGE =   1.36E-06
1USNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 12/17/2009

/PLANT NAME: SCE&G VCS U1  July20                METEOROLOGICAL INSTRUMENTATION
 DATA PERIOD: 03 - June2006 Ground               WIND SENSORS HEIGHT: 10-m
 TYPE OF RELEASE: -Level Release                 DELTA-T HEIGHTS: 10-m to 61-m
 SOURCE OF DATA: EAB=1609 m LPZ=4828 m
 COMMENTS: Accidental Releases
 PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
0SITE EXCLUSION BOUNDARY CALCULATIONS:
0 WNW SECTOR     BOUNDARY DISTANCE = 1609.0 METERS
0LATERAL PLUME MEANDER/BUILDING WAKE CREDIT ALLOWED
 AS A FUNCTION OF DOWNWIND DISTANCE.
 MEANDER CREDIT IS FOR WINDSPEEDS LESS THAN 6 MPS.
 BUILDING WAKE CREDIT IS NOT INCLUDED.
 CORRECTION FACTORS USED IN THE ANNUAL AVERAGE CALCULATIONS.
0BELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
 THE TOP NUMBER IS THE CHI/Q.  THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
 THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.
0   2.312E-04   1.734E-04   1.470E-04   1.156E-04   1.000E-04   8.671E-05   7.349E-05   6.251E-05   5.512E-05   5.471E-05
        .175        .350        .525       1.051       1.576       1.926       2.627       2.977       3.678       4.028
      .00396      .00792      .01189      .02377      .03566      .04359      .05943      .06736      .08321      .09113
0   5.031E-05   4.168E-05   3.126E-05   2.807E-05   2.728E-05   2.332E-05   2.046E-05   1.617E-05   1.370E-05   1.177E-05
       4.553       7.005      12.084      25.219      26.095      32.750      35.552      56.392      56.567      77.233
      .10302      .15849      .27340      .57057      .59038      .74095      .80434     1.27585     1.27982     1.74737
0   1.028E-05   8.954E-06   6.850E-06   6.268E-06   5.315E-06   4.110E-06   3.987E-06   2.936E-06   2.658E-06   1.595E-06
      77.758      80.560      83.538      83.713      83.888      88.091      88.441      88.967      90.193      92.995
     1.75925     1.82265     1.89001     1.89397     1.89793     1.99303     2.00095     2.01284     2.04057     2.10397
0   1.139E-06   7.973E-07   7.373E-07   5.530E-07   3.687E-07   2.212E-07   1.580E-07
      93.870      94.046      94.221      94.396      96.147      99.650     100.000
     2.12378     2.12774     2.13171     2.13567     2.17529     2.25454     2.26246
0          X/Q PERCENTILES
 (BASED ON THE UPPER ENVELOPE OF THE
 ORDERED X/Q-FREQUENCY VALUES, AND AS
 PLOTTED ON A LOG-NORMAL GRAPH.)
0 PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED
       CHI/Q      WITH RESPECT TO     WHEN THE WIND BLOWS
 SEC/CUBIC METER  THE TOTAL TIME      INTO THIS SECTOR ONLY

                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 2)=    .036
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 3)=    .570
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                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 4)=   1.274
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 5)=   1.745
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 6)=   1.821
     1.201E-04                .023              1.000
     7.643E-05                .068              3.000
     6.114E-05                .113              5.000
     4.446E-05                .226             10.000
     3.654E-05                .339             15.000
     3.163E-05                .452             20.000
     2.820E-05                .566             25.000
     2.504E-05                .679             30.000
     2.257E-05                .792             35.000
     2.060E-05                .905             40.000
     1.899E-05               1.018             45.000
     1.763E-05               1.131             50.000
     1.647E-05               1.244             55.000
     1.521E-05               1.357             60.000
     1.404E-05               1.471             65.000
     1.302E-05               1.584             70.000
     1.213E-05               1.697             75.000
     9.370E-06               1.810             80.000
0    3.006E-05               0.5               22.10
0ANNUAL AVERAGE =   8.83E-07
1USNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 12/17/2009

/PLANT NAME: SCE&G VCS U1  July20                METEOROLOGICAL INSTRUMENTATION
 DATA PERIOD: 03 - June2006 Ground               WIND SENSORS HEIGHT: 10-m
 TYPE OF RELEASE: -Level Release                 DELTA-T HEIGHTS: 10-m to 61-m
 SOURCE OF DATA: EAB=1609 m LPZ=4828 m
 COMMENTS: Accidental Releases
 PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
0SITE EXCLUSION BOUNDARY CALCULATIONS:
0  NW SECTOR     BOUNDARY DISTANCE = 1609.0 METERS
0LATERAL PLUME MEANDER/BUILDING WAKE CREDIT ALLOWED
 AS A FUNCTION OF DOWNWIND DISTANCE.
 MEANDER CREDIT IS FOR WINDSPEEDS LESS THAN 6 MPS.
 BUILDING WAKE CREDIT IS NOT INCLUDED.
 CORRECTION FACTORS USED IN THE ANNUAL AVERAGE CALCULATIONS.
0BELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
 THE TOP NUMBER IS THE CHI/Q.  THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
 THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.
0   2.312E-04   1.734E-04   1.470E-04   1.156E-04   1.102E-04   1.000E-04   8.671E-05   8.335E-05   7.349E-05   6.251E-05
         .261        .654        .784       1.176       1.307       2.222       2.353       2.484       4.575       4.837
       .00792      .01981      .02377      .03566      .03962      .06736      .07132      .07528      .13868      .14660
0   5.512E-05   5.471E-05   5.031E-05   4.168E-05   3.126E-05   2.807E-05   2.728E-05   2.332E-05   2.046E-05   1.843E-05
        6.275      11.634      13.333      15.163      18.824      35.294      36.340      43.922      47.320      47.974
       .19019      .35264      .40415      .45962      .57057     1.06982     1.10151     1.33133     1.43435     1.45416
0   1.617E-05   1.290E-05   1.177E-05   1.028E-05   8.954E-06   6.850E-06   6.268E-06   4.110E-06   3.987E-06   2.936E-06
       66.013      66.275      81.046      81.569      83.660      86.928      87.059      89.542      89.673      90.065
      2.00095     2.00888     2.45661     2.47246     2.53586     2.63492     2.63888     2.71416     2.71812     2.73001
0   2.658E-06   1.595E-06   1.139E-06   5.530E-07   3.687E-07   2.212E-07   1.580E-07
       92.288      93.987      94.118      94.248      96.993      99.608     100.000
      2.79737     2.84888     2.85284     2.85680     2.94001     3.01926     3.03114
0          X/Q PERCENTILES
 (BASED ON THE UPPER ENVELOPE OF THE
 ORDERED X/Q-FREQUENCY VALUES, AND AS
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 PLOTTED ON A LOG-NORMAL GRAPH.)
0 PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED
        CHI/Q       WITH RESPECT TO     WHEN THE WIND BLOWS
 SEC/CUBIC METER  THE TOTAL TIME      INTO THIS SECTOR ONLY

                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 2)=    .020
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 3)=    .139
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 5)=   1.069
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 6)=   1.330
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 7)=   1.999
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 8)=   2.454
     1.452E-04                .030              1.000
     8.952E-05                .091              3.000
     7.153E-05                .152              5.000
     5.749E-05                .303             10.000
     4.730E-05                .455             15.000
     3.992E-05                .606             20.000
     3.486E-05                .758             25.000
     3.113E-05                .909             30.000
     2.823E-05               1.061             35.000
     2.527E-05               1.212             40.000
     2.284E-05               1.364             45.000
     2.081E-05               1.516             50.000
     1.911E-05               1.667             55.000
     1.766E-05               1.819             60.000
     1.641E-05               1.970             65.000
     1.479E-05               2.122             70.000
     1.329E-05               2.273             75.000
     1.202E-05               2.425             80.000
0    4.475E-05               0.5               16.50
0ANNUAL AVERAGE =   1.40E-06
1USNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 12/17/2009

/PLANT NAME: SCE&G VCS U1  July20                METEOROLOGICAL INSTRUMENTATION
 DATA PERIOD: 03 - June2006 Ground               WIND SENSORS HEIGHT: 10-m
 TYPE OF RELEASE: -Level Release                 DELTA-T HEIGHTS: 10-m to 61-m
 SOURCE OF DATA: EAB=1609 m LPZ=4828 m
 COMMENTS: Accidental Releases
 PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
0SITE EXCLUSION BOUNDARY CALCULATIONS:
0 NNW SECTOR     BOUNDARY DISTANCE = 1609.0 METERS
0LATERAL PLUME MEANDER/BUILDING WAKE CREDIT ALLOWED
 AS A FUNCTION OF DOWNWIND DISTANCE.
 MEANDER CREDIT IS FOR WINDSPEEDS LESS THAN 6 MPS.
 BUILDING WAKE CREDIT IS NOT INCLUDED.
 CORRECTION FACTORS USED IN THE ANNUAL AVERAGE CALCULATIONS.
0BELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
 THE TOP NUMBER IS THE CHI/Q.  THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
 THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.
0   2.205E-04   1.734E-04   1.470E-04   1.156E-04   1.102E-04   1.072E-04   1.000E-04   8.671E-05   7.349E-05   6.251E-05
        .068        .203        .270       1.284       1.622       2.095       6.014       6.892       8.649       8.919
      .00396      .01189      .01585      .07528      .09509      .12283      .35264      .40415      .50717      .52302
0   5.512E-05   5.471E-05   5.455E-05   5.031E-05   4.168E-05   4.091E-05   3.126E-05   2.807E-05   2.728E-05   2.332E-05
      12.770      24.730      24.797      28.446      30.000      30.203      36.351      53.243      54.865      60.811
      .74887     1.45019     1.45416     1.66812     1.75925     1.77114     2.13171     3.12228     3.21737     3.56605
0   2.046E-05   1.843E-05   1.617E-05   1.370E-05   1.177E-05   1.028E-05   8.954E-06   7.973E-06   6.850E-06   6.268E-06
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      62.973      63.176      74.392      74.527      85.676      86.013      87.432      87.500      89.257      89.730
     3.69284     3.70473     4.36247     4.37039     5.02417     5.04398     5.12719     5.13115     5.23417     5.26191
0   5.315E-06   4.110E-06   3.987E-06   2.936E-06   2.658E-06   2.055E-06   1.595E-06   1.139E-06   7.973E-07   7.373E-07
      89.797      92.027      92.162      92.432      93.378      93.513      95.203      95.473      95.540      95.608
     5.26587     5.39662     5.40455     5.42040     5.47587     5.48379     5.58285     5.59870     5.60266     5.60662
0   5.530E-07   3.687E-07   2.212E-07   1.580E-07
      96.081      97.432      99.527     100.000
     5.63436     5.71361     5.83644     5.86417
0          X/Q PERCENTILES
 (BASED ON THE UPPER ENVELOPE OF THE
 ORDERED X/Q-FREQUENCY VALUES, AND AS
 PLOTTED ON A LOG-NORMAL GRAPH.)
0 PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED
        CHI/Q      WITH RESPECT TO     WHEN THE WIND BLOWS
 SEC/CUBIC METER  THE TOTAL TIME      INTO THIS SECTOR ONLY

                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 3)=   1.449
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 4)=   1.666
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 5)=   3.214
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 6)=   3.563
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 7)=   4.359
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 8)=   5.020
     1.416E-04                .059              1.000
     1.152E-04                .176              3.000
     1.039E-04                .293              5.000
     8.142E-05                .586             10.000
     6.852E-05                .880             15.000
     6.030E-05               1.173             20.000
     5.435E-05               1.466             25.000
     4.799E-05               1.759             30.000
     4.175E-05               2.052             35.000
     3.691E-05               2.346             40.000
     3.304E-05               2.639             45.000
     2.986E-05               2.932             50.000
     2.717E-05               3.225             55.000
     2.381E-05               3.519             60.000
     2.070E-05               3.812             65.000
     1.809E-05               4.105             70.000
     1.588E-05               4.398             75.000
     1.375E-05               4.691             80.000
     1.199E-05               4.985             85.000
0    8.695E-05               0.5                8.53
0ANNUAL AVERAGE =   3.36E-06
1USNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 12/17/2009

/PLANT NAME: SCE&G VCS U1  July20                METEOROLOGICAL INSTRUMENTATION
 DATA PERIOD: 03 - June2006 Ground               WIND SENSORS HEIGHT: 10-m
 TYPE OF RELEASE: -Level Release                 DELTA-T HEIGHTS: 10-m to 61-m
 SOURCE OF DATA: EAB=1609 m LPZ=4828 m
 COMMENTS: Accidental Releases
 PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
0SITE EXCLUSION BOUNDARY CALCULATIONS:
0   N SECTOR     BOUNDARY DISTANCE = 1609.0 METERS
0LATERAL PLUME MEANDER/BUILDING WAKE CREDIT ALLOWED
 AS A FUNCTION OF DOWNWIND DISTANCE.
 MEANDER CREDIT IS FOR WINDSPEEDS LESS THAN 6 MPS.
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 BUILDING WAKE CREDIT IS NOT INCLUDED.
 CORRECTION FACTORS USED IN THE ANNUAL AVERAGE CALCULATIONS.
0BELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
 THE TOP NUMBER IS THE CHI/Q.  THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
 THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.
0   2.312E-04   1.734E-04   1.470E-04   1.156E-04   1.102E-04   1.072E-04   1.000E-04   8.671E-05   8.335E-05   7.349E-05
        .214        .694       1.015       3.739       4.113       4.327       8.921      11.111      11.325      14.316
      .01585      .05151      .07528      .27736      .30510      .32094      .66170      .82415      .84000     1.06189
0   6.251E-05   5.512E-05   5.471E-05   5.031E-05   4.168E-05   4.091E-05   3.126E-05   2.807E-05   2.728E-05   2.332E-05
      14.850      18.697      29.113      30.876      34.615      34.776      39.316      53.152      54.647      61.432
     1.10151     1.38680     2.15944     2.29020     2.56756     2.57944     2.91624     3.94247     4.05341     4.55662
0   2.046E-05   1.843E-05   1.617E-05   1.370E-05   1.290E-05   1.177E-05   1.028E-05   8.954E-06   6.850E-06   6.268E-06
      63.729      64.156      70.994      71.047      71.154      80.983      81.464      83.814      86.218      87.340
     4.72700     4.75870     5.26587     5.26983     5.27776     6.00682     6.04248     6.21682     6.39512     6.47833
0   5.315E-06   4.110E-06   3.987E-06   2.936E-06   2.658E-06   2.055E-06   1.595E-06   1.139E-06   7.973E-07   7.373E-07
      87.393      90.064      90.118      90.812      92.041      92.308      94.979      95.780      95.940      96.047
     6.48229     6.68040     6.68437     6.73588     6.82701     6.84682     7.04493     7.10437     7.11625     7.12418
0   5.530E-07   3.687E-07   2.212E-07   1.580E-07   1.106E-07
      96.261      96.955      99.199      99.733     100.000
     7.14003     7.19154     7.35795     7.39758     7.41739
0          X/Q PERCENTILES
 (BASED ON THE UPPER ENVELOPE OF THE
 ORDERED X/Q-FREQUENCY VALUES, AND AS
 PLOTTED ON A LOG-NORMAL GRAPH.)
0 PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED
        CHI/Q      WITH RESPECT TO     WHEN THE WIND BLOWS
 SEC/CUBIC METER  THE TOTAL TIME      INTO THIS SECTOR ONLY

                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 3)=   2.157
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 4)=   4.050
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 5)=   4.553
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 6)=   6.003
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 7)=   6.213
     1.686E-04                .074              1.000
     1.315E-04                .223              3.000
     1.161E-04                .371              5.000
     9.472E-05                .742             10.000
     7.762E-05               1.113             15.000
     6.696E-05               1.483             20.000
     5.946E-05               1.854             25.000
     5.301E-05               2.225             30.000
     4.497E-05               2.596             35.000
     3.887E-05               2.967             40.000
     3.408E-05               3.338             45.000
     3.023E-05               3.709             50.000
     2.704E-05               4.080             55.000
     2.408E-05               4.450             60.000
     2.035E-05               4.821             65.000
     1.697E-05               5.192             70.000
     1.429E-05               5.563             75.000
     1.214E-05               5.934             80.000
0    1.076E-04               0.5                6.74
0ANNUAL AVERAGE =   4.90E-06
1USNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 12/17/2009

/PLANT NAME: SCE&G VCS U1  July20                METEOROLOGICAL INSTRUMENTATION
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 DATA PERIOD: 03 - June2006 Ground                WIND SENSORS HEIGHT: 10-m
 TYPE OF RELEASE: -Level Release                  DELTA-T HEIGHTS: 10-m to 61-m
 SOURCE OF DATA: EAB=1609 m LPZ=4828 m
 COMMENTS: Accidental Releases
 PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
0SITE EXCLUSION BOUNDARY CALCULATIONS:
0 NNE SECTOR     BOUNDARY DISTANCE = 1609.0 METERS
0LATERAL PLUME MEANDER/BUILDING WAKE CREDIT ALLOWED
 AS A FUNCTION OF DOWNWIND DISTANCE.
 MEANDER CREDIT IS FOR WINDSPEEDS LESS THAN 6 MPS.
 BUILDING WAKE CREDIT IS NOT INCLUDED.
 CORRECTION FACTORS USED IN THE ANNUAL AVERAGE CALCULATIONS.
0BELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
 THE TOP NUMBER IS THE CHI/Q.  THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
 THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.
0   2.312E-04   2.205E-04   1.734E-04   1.250E-04   1.156E-04   1.102E-04   1.072E-04   1.000E-04   9.068E-05   8.671E-05
          .087        .131        .524        .568       3.319       3.668       3.755       7.380       7.424       9.039
       .00792      .01189      .04755      .05151      .30113      .33283      .34076      .66963      .67359      .82019
0   8.335E-05   7.349E-05   6.251E-05   5.512E-05   5.471E-05   5.031E-05   4.168E-05   4.091E-05   3.126E-05   2.807E-05
        9.127      10.699      11.135      14.236      21.703      22.533      25.895      26.114      31.747      50.699
       .82812      .97076     1.01038     1.29170     1.96925     2.04454     2.34963     2.36944     2.88058     4.60021
0   2.728E-05   2.332E-05   2.046E-05   1.843E-05   1.617E-05   1.370E-05   1.290E-05   1.177E-05   1.028E-05   8.954E-06
       52.009      59.563      62.271      62.576      69.782      69.956      70.000      78.646      79.127      81.572
      4.71907     5.40455     5.65021     5.67795     6.33172     6.34757     6.35153     7.13607     7.17965     7.40154
0   6.850E-06   6.268E-06   5.315E-06   4.822E-06   4.110E-06   3.987E-06   2.936E-06   2.658E-06   1.595E-06   1.139E-06
       83.712      83.930      84.105      84.148      86.463      86.812      87.293      89.782      92.576      93.144
      7.59569     7.61550     7.63135     7.63531     7.84531     7.87701     7.92060     8.14645     8.40003     8.45154
0   7.973E-07   7.373E-07   5.530E-07   3.687E-07   2.212E-07   1.580E-07   1.106E-07
       93.231      93.275      93.450      96.114      99.389      99.956     100.000
      8.45947     8.46343     8.47928     8.72098     9.01815     9.06966     9.07362
0          X/Q PERCENTILES
 (BASED ON THE UPPER ENVELOPE OF THE
 ORDERED X/Q-FREQUENCY VALUES, AND AS
 PLOTTED ON A LOG-NORMAL GRAPH.)
0 PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED
        CHI/Q      WITH RESPECT TO     WHEN THE WIND BLOWS
 SEC/CUBIC METER  THE TOTAL TIME      INTO THIS SECTOR ONLY

                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 5)=   1.967
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 6)=   4.597
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 7)=   4.715
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 8)=   5.401
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 9)=   6.328
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE(10)=   7.132
     1.534E-04              .091            1.000
     1.225E-04              .272            3.000
     1.094E-04              .454            5.000
     8.509E-05              .907           10.000
     6.793E-05             1.361           15.000
     5.745E-05             1.815           20.000
     4.927E-05             2.268           25.000
     4.289E-05             2.722           30.000
     3.803E-05             3.176           35.000
     3.417E-05             3.629           40.000
     3.102E-05             4.083           45.000
     2.841E-05             4.537           50.000
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     2.558E-05              4.990              55.000
     2.294E-05              5.444              60.000
     1.909E-05              5.898              65.000
     1.604E-05              6.352              70.000
     1.337E-05              6.805              75.000
0    1.070E-04              0.5                 5.51
0ANNUAL AVERAGE =   5.38E-06
1USNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 12/17/2009

/PLANT NAME: SCE&G VCS U1  July20                METEOROLOGICAL INSTRUMENTATION
 DATA PERIOD: 03 - June2006 Ground               WIND SENSORS HEIGHT: 10-m
 TYPE OF RELEASE: -Level Release                 DELTA-T HEIGHTS: 10-m to 61-m
 SOURCE OF DATA: EAB=1609 m LPZ=4828 m
 COMMENTS: Accidental Releases
 PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
0SITE EXCLUSION BOUNDARY CALCULATIONS:
0  NE SECTOR     BOUNDARY DISTANCE = 1609.0 METERS
0LATERAL PLUME MEANDER/BUILDING WAKE CREDIT ALLOWED
 AS A FUNCTION OF DOWNWIND DISTANCE.
 MEANDER CREDIT IS FOR WINDSPEEDS LESS THAN 6 MPS.
 BUILDING WAKE CREDIT IS NOT INCLUDED.
 CORRECTION FACTORS USED IN THE ANNUAL AVERAGE CALCULATIONS.
0BELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
 THE TOP NUMBER IS THE CHI/Q.  THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
 THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.
0   3.468E-04   2.312E-04   1.734E-04   1.470E-04   1.156E-04   1.102E-04   1.072E-04   1.000E-04   8.671E-05   8.335E-05
        .034        .170        .951       1.121       4.448       4.754       4.788       8.217      10.051      10.119
      .00396      .01981      .11094      .13076      .51906      .55472      .55868      .95887     1.17283     1.18076
0   7.349E-05   6.251E-05   5.512E-05   5.471E-05   5.455E-05   5.031E-05   4.168E-05   4.091E-05   3.126E-05   2.807E-05
      12.156      12.598      16.638      22.954      23.022      23.192      27.233      27.538      34.771      50.628
     1.41850     1.47001     1.94152     2.67850     2.68643     2.70624     3.17775     3.21341     4.05737     5.90776
0   2.728E-05   2.332E-05   2.046E-05   1.843E-05   1.617E-05   1.370E-05   1.177E-05   1.028E-05   8.954E-06   6.850E-06
      52.088      56.163      58.540      58.608      67.199      67.402      74.737      75.518      76.503      78.913
     6.07814     6.55361     6.83097     6.83889     7.84135     7.86512     8.72098     8.81211     8.92702     9.20834
0   5.315E-06   4.110E-06   3.987E-06   2.936E-06   2.658E-06   1.595E-06   1.139E-06   1.106E-06   7.373E-07   5.530E-07
      79.185      80.883      81.630      82.105      84.991      86.995      87.131      87.165      87.436      88.319
     9.24004     9.43815     9.52532     9.58079     9.91758    10.15136    10.16721    10.17117    10.20287    10.30589
0   3.687E-07   2.212E-07   1.580E-07
      95.076      99.626     100.000
    11.09438    11.62533    11.66891
0          X/Q PERCENTILES
 (BASED ON THE UPPER ENVELOPE OF THE
 ORDERED X/Q-FREQUENCY VALUES, AND AS
 PLOTTED ON A LOG-NORMAL GRAPH.)
0 PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED
       CHI/Q      WITH RESPECT TO     WHEN THE WIND BLOWS
 SEC/CUBIC METER  THE TOTAL TIME      INTO THIS SECTOR ONLY

                                                   HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 3)=   2.676
                                                   HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 4)=   5.904
                                                   HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 5)=   6.074
                                                   HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 6)=   7.838
                                                   HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 7)=   8.717
     1.723E-04              .117               1.000
     1.317E-04              .350               3.000
     1.150E-04              .583               5.000
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     8.970E-05              1.167              10.000
     7.100E-05              1.750              15.000
     5.964E-05              2.334              20.000
     5.114E-05              2.917              25.000
     4.413E-05              3.501              30.000
     3.881E-05              4.084              35.000
     3.461E-05              4.668              40.000
     3.121E-05              5.251              45.000
     2.839E-05              5.834              50.000
     2.446E-05              6.418              55.000
     2.048E-05              7.001              60.000
     1.735E-05              7.585              65.000
     1.433E-05              8.168              70.000
0    1.199E-04              0.5                 4.28
0ANNUAL AVERAGE =    7.30E-06
1USNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 12/17/2009

/PLANT NAME: SCE&G VCS U1  July20                METEOROLOGICAL INSTRUMENTATION
 DATA PERIOD: 03 - June2006 Ground               WIND SENSORS HEIGHT: 10-m
 TYPE OF RELEASE: -Level Release                 DELTA-T HEIGHTS: 10-m to 61-m
 SOURCE OF DATA: EAB=1609 m LPZ=4828 m
 COMMENTS: Accidental Releases
 PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
0SITE EXCLUSION BOUNDARY CALCULATIONS:
0 ENE SECTOR     BOUNDARY DISTANCE = 1609.0 METERS
0LATERAL PLUME MEANDER/BUILDING WAKE CREDIT ALLOWED
 AS A FUNCTION OF DOWNWIND DISTANCE.
 MEANDER CREDIT IS FOR WINDSPEEDS LESS THAN 6 MPS.
 BUILDING WAKE CREDIT IS NOT INCLUDED.
 CORRECTION FACTORS USED IN THE ANNUAL AVERAGE CALCULATIONS.
0BELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
 THE TOP NUMBER IS THE CHI/Q.  THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
 THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.
0   2.312E-04   1.734E-04   1.470E-04   1.250E-04   1.156E-04   1.102E-04   1.000E-04   8.671E-05   8.335E-05   7.349E-05
        .073       1.055       1.091       1.128       6.148       6.912      10.731      13.714      13.823      15.606
      .00792      .11491      .11887      .12283      .66963      .75283     1.16887     1.49378     1.50567     1.69982
0   6.251E-05   5.512E-05   5.471E-05   5.455E-05   5.031E-05   4.168E-05   4.091E-05   3.126E-05   2.807E-05   2.728E-05
      15.933      18.952      23.136      23.318      23.390      26.992      27.392      32.666      43.616      45.289
     1.73548     2.06435     2.52001     2.53982     2.54775     2.94001     2.98360     3.55813     4.75077     4.93304
0   2.332E-05   2.055E-05   2.046E-05   1.843E-05   1.617E-05   1.370E-05   1.177E-05   1.028E-05   8.954E-06   6.850E-06
      49.072      49.109      52.164      52.237      60.058      60.422      66.606      67.843      68.498      70.898
     5.34512     5.34908     5.68191     5.68983     6.54172     6.58135     7.25493     7.38965     7.46097     7.72248
0   5.315E-06   4.110E-06   3.987E-06   2.936E-06   2.658E-06   2.055E-06   1.595E-06   1.139E-06   7.373E-07   5.530E-07
      71.226      73.045      73.554      73.809      77.083      77.119      79.483      79.702      79.884      81.484
     7.75814     7.95626     8.01173     8.03946     8.39607     8.40003     8.65758     8.68135     8.70117     8.87551
0   3.687E-07   2.212E-07   1.580E-07
      89.196      98.763     100.000
     9.71551    10.75759    10.89231
0          X/Q PERCENTILES
 (BASED ON THE UPPER ENVELOPE OF THE
 ORDERED X/Q-FREQUENCY VALUES, AND AS
 PLOTTED ON A LOG-NORMAL GRAPH.)
0 PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED
        CHI/Q      WITH RESPECT TO     WHEN THE WIND BLOWS
 SEC/CUBIC METER  THE TOTAL TIME      INTO THIS SECTOR ONLY
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                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 4)=   1.492
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 5)=   2.537
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 6)=   4.929
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 7)=   6.538
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 8)=   7.251
     1.745E-04              .109             1.000
     1.375E-04              .327             3.000
     1.217E-04              .545             5.000
     1.019E-04             1.089            10.000
     8.039E-05             1.634            15.000
     6.262E-05             2.178            20.000
     5.091E-05             2.723            25.000
     4.234E-05             3.268            30.000
     3.606E-05             3.812            35.000
     3.126E-05             4.357            40.000
     2.747E-05             4.902            45.000
     2.279E-05             5.446            50.000
     1.910E-05             5.991            55.000
     1.620E-05             6.535            60.000
     1.270E-05             7.080            65.000
0    1.243E-04             0.5               4.59
0ANNUAL AVERAGE =   6.81E-06
1USNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 12/17/2009

/PLANT NAME: SCE&G VCS U1  July20                METEOROLOGICAL INSTRUMENTATION
 DATA PERIOD: 03 - June2006 Ground               WIND SENSORS HEIGHT: 10-m
 TYPE OF RELEASE: -Level Release                 DELTA-T HEIGHTS: 10-m to 61-m
 SOURCE OF DATA: EAB=1609 m LPZ=4828 m
 COMMENTS: Accidental Releases
 PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
0SITE EXCLUSION BOUNDARY CALCULATIONS:
0   E SECTOR     BOUNDARY DISTANCE = 1609.0 METERS
0LATERAL PLUME MEANDER/BUILDING WAKE CREDIT ALLOWED
 AS A FUNCTION OF DOWNWIND DISTANCE.
 MEANDER CREDIT IS FOR WINDSPEEDS LESS THAN 6 MPS.
 BUILDING WAKE CREDIT IS NOT INCLUDED.
 CORRECTION FACTORS USED IN THE ANNUAL AVERAGE CALCULATIONS.
0BELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
 THE TOP NUMBER IS THE CHI/Q.  THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
 THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.
0   3.468E-04   2.312E-04   2.205E-04   1.734E-04   1.470E-04   1.156E-04   1.102E-04   1.072E-04   1.000E-04   8.671E-05
        .041        .248        .289        .991       1.156       6.356       6.810       6.851      10.648      13.991
      .00396      .02377      .02774      .09509      .11094      .61019      .65378      .65774     1.02227     1.34321
0   8.335E-05   7.349E-05   6.251E-05   5.512E-05   5.471E-05   5.455E-05   5.031E-05   4.168E-05   4.091E-05   3.126E-05
      14.073      16.674      17.128      19.274      24.309      24.391      24.639      27.487      27.858      31.572
     1.35114     1.60076     1.64435     1.85038     2.33378     2.34171     2.36548     2.63888     2.67454     3.03114
0   2.807E-05   2.728E-05   2.332E-05   2.046E-05   1.843E-05   1.617E-05   1.370E-05   1.177E-05   1.028E-05   8.954E-06
      46.471      48.700      53.776      56.459      56.748      64.507      64.672      74.247      74.742      77.383
     4.46153     4.67549     5.16285     5.42040     5.44813     6.19304     6.20889     7.12814     7.17569     7.42927
0   7.973E-06   6.850E-06   6.268E-06   5.315E-06   4.110E-06   3.987E-06   2.936E-06   2.658E-06   1.595E-06   1.139E-06
      77.466      79.323      79.447      79.571      82.460      83.161      83.698      85.555      88.073      89.517
     7.43720     7.61550     7.62739     7.63927     7.91663     7.98399     8.03550     8.21380     8.45550     8.59418
0   1.106E-06   7.973E-07   7.373E-07   5.530E-07   3.687E-07   2.212E-07   1.580E-07   1.106E-07
      89.558      89.765      89.930      90.755      92.654      98.762      99.959     100.000
     8.59814     8.61796     8.63380     8.71305     8.89532     9.48173     9.59664     9.60060
0          X/Q PERCENTILES
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 (BASED ON THE UPPER ENVELOPE OF THE
 ORDERED X/Q-FREQUENCY VALUES, AND AS
 PLOTTED ON A LOG-NORMAL GRAPH.)
0 PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED
        CHI/Q       WITH RESPECT TO     WHEN THE WIND BLOWS
 SEC/CUBIC METER  THE TOTAL TIME      INTO THIS SECTOR ONLY

                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 4)=   1.342
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 5)=   2.339
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 6)=   4.672
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 7)=   5.159
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 8)=   6.189
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 9)=   7.124
     1.822E-04                .096              1.000
     1.404E-04                .288              3.000
     1.232E-04                .480              5.000
     1.018E-04                .960             10.000
     8.199E-05               1.440             15.000
     6.465E-05               1.920             20.000
     5.329E-05               2.400             25.000
     4.472E-05               2.880             30.000
     3.839E-05               3.360             35.000
     3.352E-05               3.840             40.000
     2.966E-05               4.320             45.000
     2.617E-05               4.800             50.000
     2.231E-05               5.280             55.000
     1.874E-05               5.760             60.000
     1.590E-05               6.240             65.000
     1.346E-05               6.720             70.000
0    1.219E-04               0.5                5.21
0ANNUAL AVERAGE =    6.32E-06
1USNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 12/17/2009

/PLANT NAME: SCE&G VCS U1  July20                METEOROLOGICAL INSTRUMENTATION
 DATA PERIOD: 03 - June2006 Ground               WIND SENSORS HEIGHT: 10-m
 TYPE OF RELEASE: -Level Release                 DELTA-T HEIGHTS: 10-m to 61-m
 SOURCE OF DATA: EAB=1609 m LPZ=4828 m
 COMMENTS: Accidental Releases
 PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
0SITE EXCLUSION BOUNDARY CALCULATIONS:
0 ESE SECTOR     BOUNDARY DISTANCE = 1609.0 METERS
0LATERAL PLUME MEANDER/BUILDING WAKE CREDIT ALLOWED
 AS A FUNCTION OF DOWNWIND DISTANCE.
 MEANDER CREDIT IS FOR WINDSPEEDS LESS THAN 6 MPS.
 BUILDING WAKE CREDIT IS NOT INCLUDED.
 CORRECTION FACTORS USED IN THE ANNUAL AVERAGE CALCULATIONS.
0BELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
 THE TOP NUMBER IS THE CHI/Q.  THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
 THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.
0   3.468E-04   2.312E-04   1.734E-04   1.470E-04   1.250E-04   1.156E-04   1.102E-04   1.000E-04   8.671E-05   8.335E-05
         .094        .187       1.216       1.590       1.684       6.174       7.109      10.196      12.535      13.096
       .00396      .00792      .05151      .06736      .07132      .26151      .30113      .43189      .53095      .55472
0   7.349E-05   6.251E-05   5.512E-05   5.471E-05   5.455E-05   5.031E-05   4.168E-05   4.091E-05   3.126E-05   2.807E-05
       17.399      18.335      21.515      26.660      27.035      27.315      32.367      33.396      38.354      48.644
       .73698      .77661      .91132     1.12925     1.14510     1.15699     1.37095     1.41453     1.62453     2.06039
0   2.728E-05   2.332E-05   2.046E-05   1.617E-05   1.370E-05   1.177E-05   1.028E-05   8.954E-06   6.850E-06   5.315E-06
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      52.105      53.508      58.372      67.072      67.633      73.340      74.649      75.865      78.765      78.952
     2.20699     2.26642     2.47246     2.84095     2.86473     3.10643     3.16190     3.21341     3.33624     3.34416
0   4.110E-06   3.987E-06   2.936E-06   2.658E-06   1.595E-06   1.139E-06   7.373E-07   5.530E-07   3.687E-07   2.212E-07
      82.226      82.975      83.349      86.249      90.458      90.833      91.207      91.862      95.136      99.626
     3.48284     3.51454     3.53039     3.65322     3.83152     3.84737     3.86322     3.89096     4.02964     4.21983
0   1.580E-07
     100.000
     4.23568
0          X/Q PERCENTILES
 (BASED ON THE UPPER ENVELOPE OF THE
 ORDERED X/Q-FREQUENCY VALUES, AND AS
 PLOTTED ON A LOG-NORMAL GRAPH.)
0 PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED
        CHI/Q      WITH RESPECT TO     WHEN THE WIND BLOWS
 SEC/CUBIC METER  THE TOTAL TIME      INTO THIS SECTOR ONLY

                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 3)=    .736
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 4)=   1.144
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 5)=   2.205
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 6)=   2.838
     1.953E-04              .042             1.000
     1.447E-04              .127             3.000
     1.247E-04              .212             5.000
     1.006E-04              .424            10.000
     8.021E-05              .635            15.000
     6.700E-05              .847            20.000
     5.759E-05             1.059            25.000
     4.908E-05             1.271            30.000
     4.185E-05             1.482            35.000
     3.635E-05             1.694            40.000
     3.203E-05             1.906            45.000
     2.855E-05             2.118            50.000
     2.443E-05             2.330            55.000
     2.042E-05             2.541            60.000
     1.728E-05             2.753            65.000
0    9.208E-05             0.5              11.80
0ANNUAL AVERAGE =   3.08E-06
1USNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 12/17/2009

/PLANT NAME: SCE&G VCS U1  July20                METEOROLOGICAL INSTRUMENTATION
 DATA PERIOD: 03 - June2006 Ground               WIND SENSORS HEIGHT: 10-m
 TYPE OF RELEASE: -Level Release                 DELTA-T HEIGHTS: 10-m to 61-m
 SOURCE OF DATA: EAB=1609 m LPZ=4828 m
 COMMENTS: Accidental Releases
 PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
0SITE EXCLUSION BOUNDARY CALCULATIONS:
0  SE SECTOR     BOUNDARY DISTANCE = 1609.0 METERS
0LATERAL PLUME MEANDER/BUILDING WAKE CREDIT ALLOWED
 AS A FUNCTION OF DOWNWIND DISTANCE.
 MEANDER CREDIT IS FOR WINDSPEEDS LESS THAN 6 MPS.
 BUILDING WAKE CREDIT IS NOT INCLUDED.
 CORRECTION FACTORS USED IN THE ANNUAL AVERAGE CALCULATIONS.
0BELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
 THE TOP NUMBER IS THE CHI/Q.  THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
 THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.
0   2.312E-04   1.734E-04   1.156E-04   1.102E-04   1.000E-04   8.671E-05   8.335E-05   7.349E-05   6.251E-05   5.512E-05
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        .111        .996       2.212       2.876       4.646       5.752       5.973       7.522       8.407      10.951
      .00396      .03566      .07925      .10302      .16642      .20604      .21396      .26943      .30113      .39227
0   5.471E-05   5.455E-05   5.031E-05   4.168E-05   4.091E-05   3.126E-05   2.807E-05   2.728E-05   2.332E-05   2.046E-05
      14.270      14.381      14.602      17.478      18.142      21.460      29.425      31.637      34.845      38.717
      .51113      .51510      .52302      .62604      .64981      .76868     1.05397     1.13321     1.24812     1.38680
0   1.843E-05   1.617E-05   1.370E-05   1.177E-05   1.028E-05   8.954E-06   6.850E-06   6.268E-06   5.315E-06   4.822E-06
      38.827      50.774      51.438      62.832      63.717      67.367      70.907      71.460      71.571      71.681
     1.39076     1.81869     1.84246     2.25057     2.28227     2.41303     2.53982     2.55963     2.56359     2.56756
0   4.110E-06   3.987E-06   2.936E-06   2.658E-06   2.055E-06   1.595E-06   1.139E-06   7.973E-07   7.373E-07   5.530E-07
      74.889      75.774      77.323      81.084      81.416      86.283      87.611      88.606      89.159      89.934
     2.68246     2.71416     2.76963     2.90435     2.91624     3.09058     3.13812     3.17379     3.19360     3.22133
0   3.687E-07   2.212E-07   1.580E-07   1.106E-07
      93.031      98.894      99.779     100.000
     3.33228     3.54228     3.57398     3.58190
0          X/Q PERCENTILES
 (BASED ON THE UPPER ENVELOPE OF THE
 ORDERED X/Q-FREQUENCY VALUES, AND AS
 PLOTTED ON A LOG-NORMAL GRAPH.)
0 PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED
        CHI/Q      WITH RESPECT TO     WHEN THE WIND BLOWS
 SEC/CUBIC METER  THE TOTAL TIME      INTO THIS SECTOR ONLY

                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 3)=    .166
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 4)=    .514
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 5)=   1.132
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 6)=   1.817
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 7)=   2.248
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 8)=   2.411
     1.732E-04                .036              1.000
     1.177E-04                .107              3.000
     9.633E-05                .179              5.000
     6.679E-05                .358             10.000
     5.265E-05                .537             15.000
     4.114E-05                .716             20.000
     3.378E-05                .895             25.000
     2.864E-05               1.075             30.000
     2.446E-05               1.254             35.000
     2.114E-05               1.433             40.000
     1.854E-05               1.612             45.000
     1.646E-05               1.791             50.000
     1.437E-05               1.970             55.000
     1.262E-05               2.149             60.000
     1.031E-05               2.328             65.000
0    5.548E-05               0.5               13.96
0ANNUAL AVERAGE =   1.69E-06
1USNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 12/17/2009

/PLANT NAME: SCE&G VCS U1  July20                METEOROLOGICAL INSTRUMENTATION
 DATA PERIOD: 03 - June2006 Ground               WIND SENSORS HEIGHT: 10-m
 TYPE OF RELEASE: -Level Release                 DELTA-T HEIGHTS: 10-m to 61-m
 SOURCE OF DATA: EAB=1609 m LPZ=4828 m
 COMMENTS: Accidental Releases
 PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
0SITE EXCLUSION BOUNDARY CALCULATIONS:
0 SSE SECTOR     BOUNDARY DISTANCE = 1609.0 METERS
0LATERAL PLUME MEANDER/BUILDING WAKE CREDIT ALLOWED
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 AS A FUNCTION OF DOWNWIND DISTANCE.
 MEANDER CREDIT IS FOR WINDSPEEDS LESS THAN 6 MPS.
 BUILDING WAKE CREDIT IS NOT INCLUDED.
 CORRECTION FACTORS USED IN THE ANNUAL AVERAGE CALCULATIONS.
0BELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
 THE TOP NUMBER IS THE CHI/Q.  THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
 THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.
0   1.734E-04   1.470E-04   1.156E-04   1.102E-04   1.000E-04   8.671E-05   7.349E-05   6.251E-05   5.512E-05   5.471E-05
          .266        .399        .932       1.198       1.864       1.997       3.728       4.527       5.193       5.992
       .00792      .01189      .02774      .03566      .05547      .05943      .11094      .13472      .15453      .17830
0   5.455E-05   5.031E-05   4.168E-05   4.091E-05   3.126E-05   2.807E-05   2.728E-05   2.332E-05   2.046E-05   1.843E-05
         6.391       6.791       8.788       9.720      11.585      18.109      21.305      26.631      29.028      29.694
       .19019      .20208      .26151      .28925      .34472      .53887      .63396      .79246      .86378      .88359
0   1.617E-05   1.370E-05   1.290E-05   1.177E-05   1.028E-05   8.954E-06   6.850E-06   6.268E-06   5.315E-06   4.822E-06
        39.547      40.879      41.145      54.727      56.591      64.314      68.043      72.836      74.035      74.168
       1.17680     1.21642     1.22434     1.62850     1.68397     1.91378     2.02472     2.16737     2.20303     2.20699
0   4.110E-06   3.987E-06   2.936E-06   2.658E-06   2.055E-06   1.595E-06   1.139E-06   7.973E-07   7.373E-07   6.133E-07
        76.831      78.562      79.760      82.823      84.288      87.084      88.682      89.614      89.880      90.013
       2.28624     2.33774     2.37341     2.46454     2.50812     2.59133     2.63888     2.66661     2.67454     2.67850
0   5.530E-07   3.687E-07   2.212E-07   1.580E-07   1.106E-07   8.508E-08
        92.676      96.405      98.402      99.068      99.867     100.000
       2.75775     2.86869     2.92812     2.94794     2.97171     2.97567
0          X/Q PERCENTILES
 (BASED ON THE UPPER ENVELOPE OF THE
 ORDERED X/Q-FREQUENCY VALUES, AND AS
 PLOTTED ON A LOG-NORMAL GRAPH.)
0 PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED
        CHI/Q       WITH RESPECT TO     WHEN THE WIND BLOWS
 SEC/CUBIC METER  THE TOTAL TIME      INTO THIS SECTOR ONLY

                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 2)=    .055
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 3)=    .111
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 4)=    .190
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 5)=    .633
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 6)=    .792
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 7)=   1.175
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 8)=   1.627
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 9)=   1.912
     1.202E-04                .030              1.000
     8.109E-05                .089              3.000
     6.259E-05                .149              5.000
     4.257E-05                .298             10.000
     3.368E-05                .446             15.000
     2.835E-05                .595             20.000
     2.439E-05                .744             25.000
     2.093E-05                .893             30.000
     1.815E-05               1.041             35.000
     1.600E-05               1.190             40.000
     1.428E-05               1.339             45.000
     1.288E-05               1.488             50.000
     1.168E-05               1.637             55.000
     1.008E-05               1.785             60.000
0    3.149E-05               0.5               16.80
0ANNUAL AVERAGE =   1.04E-06
1USNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 12/17/2009
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/PLANT NAME: SCE&G VCS U1  July20                METEOROLOGICAL INSTRUMENTATION
 DATA PERIOD: 03 - June2006 Ground               WIND SENSORS HEIGHT: 10-m
 TYPE OF RELEASE: -Level Release                 DELTA-T HEIGHTS: 10-m to 61-m
 SOURCE OF DATA: EAB=1609 m LPZ=4828 m
 COMMENTS: Accidental Releases
 PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
0SITE EXCLUSION BOUNDARY CALCULATIONS:
 DIRECTION-INDEPENDENT (S.R.P 2.3.4) MODEL.
 MINIMUM BOUNDARY DISTANCE = 1609.0 METERS.
 BUILDING WAKE CREDIT IS NOT INCLUDED.
 CORRECTION FACTORS USED IN THE ANNUAL AVERAGE CALCULATIONS.
0BELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
 THE TOP NUMBER IS THE CHI/Q.  THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
 THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.
0   1.270E-03   8.463E-04   6.348E-04   5.724E-04   4.232E-04   3.816E-04   3.174E-04   2.862E-04   2.581E-04   2.116E-04
        .012        .099        .555        .567       2.833       2.940       4.327       4.652       4.664       7.049
      .01189      .09906      .55472      .56661     2.83303     2.94001     4.32681     4.65172     4.66360     7.04889
0   1.908E-04   1.720E-04   1.431E-04   1.290E-04   1.270E-04   1.254E-04   9.540E-05   9.068E-05   8.602E-05   8.357E-05
        8.650       8.753      10.987      11.376      11.439      11.443      16.000      16.004      18.603      18.682
     8.64966     8.75268    10.98740    11.37570    11.43910    11.44306    15.99968    16.00365    18.60290    18.68215
0   6.452E-05   6.268E-05   5.724E-05   4.301E-05   4.179E-05   3.134E-05   2.740E-05   2.581E-05   2.089E-05   2.055E-05
       22.743      23.053      23.639      34.773      36.421      39.183      39.187      43.732      53.182      53.186
    22.74349    23.05254    23.63896    34.77297    36.42128    39.18298    39.18695    43.73168    53.18172    53.18568
0   1.843E-05   1.370E-05   1.290E-05   1.254E-05   1.028E-05   8.954E-06   7.973E-06   6.850E-06   6.268E-06   5.315E-06
       53.427      53.736      53.776      67.228      68.072      74.661      74.673      77.268      78.723      78.952
    53.42738    53.73644    53.77606    67.22800    68.07196    74.66123    74.67312    77.26841    78.72256    78.95238
0   4.822E-06   4.110E-06   3.987E-06   2.936E-06   2.658E-06   2.055E-06   1.595E-06   1.581E-06   1.142E-06   1.139E-06
       79.004      81.908      82.475      84.088      86.326      87.031      89.559      89.571      89.575      90.419
    79.00388    81.90823    82.47483    84.08748    86.32616    87.03145    89.55938    89.57127    89.57523    90.41919
0   1.106E-06   7.973E-07   7.373E-07   6.133E-07   5.530E-07   3.687E-07   2.212E-07   1.580E-07   1.106E-07   8.508E-08
       90.427      90.748      90.966      90.982      91.905      95.237      99.073      99.838      99.988     100.000
    90.42712    90.74806    90.96599    90.98183    91.90504    95.23732    99.07281    99.83752    99.98809    99.99998
0          X/Q PERCENTILES
 (BASED ON THE UPPER ENVELOPE OF THE
 ORDERED X/Q-FREQUENCY VALUES, AND AS
 PLOTTED ON A LOG-NORMAL GRAPH.)
0 PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED
       CHI/Q      WITH RESPECT TO     WHEN THE WIND BLOWS
 SEC/CUBIC METER  THE TOTAL TIME      INTO THIS SECTOR ONLY

                                                   HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 4)=   8.646
                                                   HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 5)=  18.606
     5.538E-04              1.000              1.000
     4.079E-04              3.000              3.000
     2.886E-04              5.000              5.000
     1.663E-04             10.000             10.000
     1.098E-04             15.000             15.000
     8.041E-05             20.000             20.000
     6.444E-05             25.000             25.000
     5.283E-05             30.000             30.000
     4.395E-05             35.000             35.000
     3.624E-05             40.000             40.000
     2.985E-05             45.000             45.000
     2.468E-05             50.000             50.000
     2.040E-05             55.000             55.000
     1.680E-05             60.000             60.000
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     1.375E-05              65.000              65.000
     1.118E-05              70.000              70.000
     8.971E-06              75.000              75.000
     7.021E-06              80.000              80.000
     5.277E-06              85.000              85.000
     3.684E-06              90.000              90.000
0    2.886E-04               5.0                 5.00
1USNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 12/17/2009

/PLANT NAME: SCE&G VCS U1  July20                METEOROLOGICAL INSTRUMENTATION
 DATA PERIOD: 03 - June2006 Ground               WIND SENSORS HEIGHT: 10-m
 TYPE OF RELEASE: -Level Release                 DELTA-T HEIGHTS: 10-m to 61-m
 SOURCE OF DATA: EAB=1609 m LPZ=4828 m
 COMMENTS: Accidental Releases
 PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
0SITE EXCLUSION BOUNDARY CALCULATIONS:
0FIVE PERCENT OVERALL SITE LIMIT
 BUILDING WAKE CREDIT IS NOT INCLUDED.
 CORRECTION FACTORS USED IN THE ANNUAL AVERAGE CALCULATIONS.
0BELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
 THE TOP NUMBER IS THE CHI/Q.  THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
 THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.
0   3.468E-04   2.312E-04   2.205E-04   1.734E-04   1.470E-04   1.250E-04   1.156E-04   1.102E-04   1.072E-04   1.000E-04
        .012        .099        .111        .567        .674        .685       2.952       3.277       3.340       5.725
      .01189      .09906      .11094      .56661      .67359      .68547     2.95190     3.27680     3.34020     5.72549
0   9.068E-05   8.671E-05   8.335E-05   8.183E-05   7.349E-05   6.251E-05   5.512E-05   5.471E-05   5.455E-05   5.031E-05
        5.729       7.116       7.219       7.223       8.824       9.212      11.447      16.004      16.083      16.669
      5.72946     7.11626     7.21928     7.22324     8.82400     9.21231    11.44703    16.00366    16.08290    16.66932
0   4.168E-05   4.091E-05   3.126E-05   2.807E-05   2.740E-05   2.728E-05   2.332E-05   2.055E-05   2.046E-05   1.843E-05
       19.269      19.578      23.639      34.773      34.777      36.425      40.970      40.974      43.736      43.977
     19.26857    19.57763    23.63896    34.77297    34.77693    36.42525    40.96999    40.97395    43.73566    43.97736
0   1.617E-05   1.370E-05   1.290E-05   1.177E-05   1.028E-05   8.954E-06   7.973E-06   6.850E-06   6.268E-06   5.315E-06
       53.427      53.736      53.776      67.228      68.072      74.661      74.673      77.268      78.723      78.952
     53.42739    53.73645    53.77607    67.22801    68.07199    74.66126    74.67315    77.26844    78.72260    78.95240
0   4.822E-06   4.110E-06   3.987E-06   2.936E-06   2.658E-06   2.055E-06   1.595E-06   1.581E-06   1.142E-06   1.139E-06
       79.004      81.908      82.475      84.088      86.326      87.032      89.559      89.571      89.575      90.419
     79.00390    81.90823    82.47485    84.08749    86.32619    87.03148    89.55940    89.57129    89.57525    90.41920
0   1.106E-06   7.973E-07   7.373E-07   6.133E-07   5.530E-07   3.687E-07   2.212E-07   1.580E-07   1.106E-07   8.508E-08
       90.427      90.748      90.966      90.982      91.905      95.237      99.073      99.838      99.988     100.000
     90.42712    90.74805    90.96598    90.98183    91.90502    95.23730    99.07279    99.83750    99.98806    99.99994
0          X/Q PERCENTILES
 (BASED ON THE UPPER ENVELOPE OF THE
 ORDERED X/Q-FREQUENCY VALUES, AND AS
 PLOTTED ON A LOG-NORMAL GRAPH.)
0 PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED
        CHI/Q      WITH RESPECT TO     WHEN THE WIND BLOWS
 SEC/CUBIC METER  THE TOTAL TIME      INTO THIS SECTOR ONLY

                                                   HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 3)=  16.084
     1.559E-04               1.000               1.000
     1.197E-04               3.000               3.000
     1.040E-04               5.000               5.000
     7.363E-05              10.000              10.000
     5.717E-05              15.000              15.000
     4.644E-05              20.000              20.000
     3.880E-05              25.000              25.000
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	3.301E-05	30.000	30.000
	2.842E-05	35.000	35.000
	2.470E-05	40.000	40.000
	2.157E-05	45.000	45.000
	1.889E-05	50.000	50.000
	1.654E-05	55.000	55.000
	1.444E-05	60.000	60.000
	1.256E-05	65.000	65.000
	1.067E-05	70.000	70.000
0	1.040E-04	5.0	5.00

1USNRC COMPUTER CODE-PAVAN, VERSION 2.0 RUN DATE: 12/17/2009

/PLANT NAME: SCE&G VCS U1 July20 METEOROLOGICAL INSTRUMENTATION
DATA PERIOD: 03 - June2006 Ground WIND SENSORS HEIGHT: 10-m
TYPE OF RELEASE: -Level Release DELTA-T HEIGHTS: 10-m to 61-m
SOURCE OF DATA: EAB=1609 m LPZ=4828 m
COMMENTS: Accidental Releases
PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
0 RELATIVE CONCENTRATION (X/Q) VALUES (SEC/CUBIC METER)
VERSUS
AVERAGING TIME

DOWNWIND SECTOR	DISTANCE (METERS)	0-2 HOURS	0-8 HOURS	8-24 HOURS	1-4 DAYS	4-30 DAYS	ANNUAL AVERAGE	HOURS PER YEAR MAX 0-2 HR X/Q IS EXCEEDED IN SECTOR	DOWNWIND SECTOR
S	1609.	3.21E-05	1.87E-05	1.43E-05	7.93E-06	3.42E-06	1.22E-06	1.1	S
SSW	1609.	3.16E-05	1.88E-05	1.46E-05	8.31E-06	3.72E-06	1.39E-06	226.7	SSW
SW	1609.	2.89E-05	1.84E-05	1.47E-05	8.97E-06	4.43E-06	1.87E-06	1.2	SW
WSW	1609.	2.62E-05	1.64E-05	1.29E-05	7.74E-06	3.71E-06	1.51E-06	1.5	WSW
W	1609.	3.32E-05	1.96E-05	1.50E-05	8.47E-06	3.72E-06	1.36E-06	.8	W
WNW	1609.	3.01E-05	1.68E-05	1.25E-05	6.66E-06	2.68E-06	8.83E-07	1.8	WNW
NW	1609.	4.47E-05	2.52E-05	1.90E-05	1.02E-05	4.17E-06	1.40E-06	3.8	NW
NNW	1609.	8.69E-05	5.08E-05	3.88E-05	2.16E-05	9.36E-06	3.36E-06	10.4	NNW
N	1609.	1.08E-04	6.46E-05	5.00E-05	2.87E-05	1.30E-05	4.90E-06	24.6	N
NNE	1609.	1.07E-04	6.53E-05	5.10E-05	2.98E-05	1.38E-05	5.38E-06	22.3	NNE
NE	1609.	1.20E-04	7.55E-05	5.99E-05	3.63E-05	1.76E-05	7.30E-06	38.2	NE
ENE	1609.	1.24E-04	7.69E-05	6.05E-05	3.59E-05	1.70E-05	6.81E-06	43.7	ENE
E	1609.	1.22E-04	7.48E-05	5.85E-05	3.44E-05	1.61E-05	6.32E-06	40.7	E
ESE	1609.	9.21E-05	5.25E-05	3.96E-05	2.15E-05	8.98E-06	3.08E-06	18.7	ESE
SE	1609.	5.55E-05	3.11E-05	2.33E-05	1.25E-05	5.07E-06	1.69E-06	8.1	SE
SSE	1609.	3.15E-05	1.79E-05	1.35E-05	7.33E-06	3.04E-06	1.04E-06	2.3	SSE
MAX X/Q		1.24E-04				TOTAL HOURS AROUND SITE:		445.9	
SRP 2.3.4	1609.	2.89E-04	1.57E-04	1.16E-04	6.00E-05	2.33E-05	7.30E-06		
SITE LIMIT		1.04E-04	6.71E-05	5.38E-05	3.34E-05	1.69E-05	7.30E-06		

00.5 PERCENT X/Q TO AN INDIVIDUAL IS LIMITING.
0**NOTE**: VALUES ON THIS PAGE ARE APPROXIMATIONS ONLY.
CHECK THE REASONABLENESS OF THE ENVELOPES
COMPUTED FOR THE 0-2 HOUR VALUES. FOR ANY
FAULTY ENVELOPES, ADJUST THE ABOVE VALUES.

1USNRC COMPUTER CODE-PAVAN, VERSION 2.0 RUN DATE: 12/17/2009

/PLANT NAME: SCE&G VCS U1 July20 METEOROLOGICAL INSTRUMENTATION
DATA PERIOD: 03 - June2006 Ground WIND SENSORS HEIGHT: 10-m
TYPE OF RELEASE: -Level Release DELTA-T HEIGHTS: 10-m to 61-m
SOURCE OF DATA: EAB=1609 m LPZ=4828 m
COMMENTS: Accidental Releases
PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
0LOW POPULATION ZONE CALCULATIONS:
0 S SECTOR BOUNDARY DISTANCE = 4828.0 METERS
0LATERAL PLUME MEANDER/BUILDING WAKE CREDIT ALLOWED
AS A FUNCTION OF DOWNWIND DISTANCE.
MEANDER CREDIT IS FOR WINDSPEEDS LESS THAN 6 MPS.
BUILDING WAKE CREDIT IS NOT INCLUDED.
CORRECTION FACTORS USED IN THE ANNUAL AVERAGE CALCULATIONS.
0BELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
THE TOP NUMBER IS THE CHI/Q. THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.

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0   5.045E-05   4.708E-05   3.308E-05   2.523E-05   2.473E-05   1.892E-05   1.854E-05   1.574E-05   1.301E-05   1.236E-05
          .101        .503        .603       1.005       1.106       2.010       2.412       3.920       4.020       6.131
       .00396      .01981      .02377      .03962      .04359      .07925      .09509      .15453      .15849      .24170
0   1.146E-05   9.758E-06   9.272E-06   7.200E-06   6.505E-06   4.976E-06   4.879E-06   3.694E-06   3.514E-06   2.586E-06
        6.432       7.136       9.447      14.372      17.588      21.407      26.432      26.935      37.688      37.889
       .25359      .28132      .37245      .56661      .69340      .84397     1.04208     1.06189     1.48585     1.49378
0   2.282E-06   1.866E-06   1.669E-06   1.400E-06   1.168E-06   9.332E-07   8.987E-07   5.941E-07   5.599E-07   4.456E-07
       51.960      52.864      62.412      65.126      68.543      73.266      73.668      74.271      78.191      80.101
      2.04850     2.08416     2.46058     2.56756     2.70227     2.88850     2.90435     2.92812     3.08265     3.15794
0   4.000E-07   2.971E-07   2.800E-07   2.733E-07   2.154E-07   2.050E-07   1.782E-07   1.367E-07   1.273E-07   8.912E-08
       82.915      85.427      86.935      87.739      87.940      90.452      92.663      96.382      97.588      98.291
      3.26888     3.36794     3.42737     3.45907     3.46699     3.56605     3.65322     3.79983     3.84737     3.87511
0   8.200E-08   5.857E-08   4.100E-08
       98.894      99.799     100.000
      3.89888     3.93454     3.94247
0          X/Q PERCENTILES
 (BASED ON THE UPPER ENVELOPE OF THE
 ORDERED X/Q-FREQUENCY VALUES, AND AS
 PLOTTED ON A LOG-NORMAL GRAPH.)
0 PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED
        CHI/Q      WITH RESPECT TO     WHEN THE WIND BLOWS
 SEC/CUBIC METER  THE TOTAL TIME      INTO THIS SECTOR ONLY

                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 3)=    .241
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 4)=    .693
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 5)=   1.041
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 6)=   1.484
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 7)=   2.046
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 8)=   2.458
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 9)=   2.886
     3.342E-05                .039              1.000
     1.863E-05                .118              3.000
     1.393E-05                .197              5.000
     9.258E-06                .394             10.000
     7.202E-06                .591             15.000
     5.950E-06                .788             20.000
     5.079E-06                .986             25.000
     4.347E-06               1.183             30.000
     3.768E-06               1.380             35.000
     3.249E-06               1.577             40.000
     2.775E-06               1.774             45.000
     2.405E-06               1.971             50.000
     2.073E-06               2.168             55.000
     1.786E-06               2.365             60.000
     1.442E-06               2.563             65.000
     1.103E-06               2.760             70.000
0    8.002E-06               0.5               12.68
0ANNUAL AVERAGE =   9.63E-08
1USNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 12/17/2009

/PLANT NAME: SCE&G VCS U1  July20                METEOROLOGICAL INSTRUMENTATION
 DATA PERIOD: 03 - June2006 Ground               WIND SENSORS HEIGHT: 10-m
 TYPE OF RELEASE: -Level Release                 DELTA-T HEIGHTS: 10-m to 61-m
 SOURCE OF DATA: EAB=1609 m LPZ=4828 m
 COMMENTS: Accidental Releases
 PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
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0LOW POPULATION ZONE CALCULATIONS:
0 SSW SECTOR     BOUNDARY DISTANCE = 4828.0 METERS
0LATERAL PLUME MEANDER/BUILDING WAKE CREDIT ALLOWED
 AS A FUNCTION OF DOWNWIND DISTANCE.
 MEANDER CREDIT IS FOR WINDSPEEDS LESS THAN 6 MPS.
 BUILDING WAKE CREDIT IS NOT INCLUDED.
 CORRECTION FACTORS USED IN THE ANNUAL AVERAGE CALCULATIONS.
0BELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
 THE TOP NUMBER IS THE CHI/Q.  THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
 THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.
0   7.062E-05   4.708E-05   3.784E-05   3.531E-05   3.308E-05   2.523E-05   2.473E-05   1.892E-05   1.854E-05   1.574E-05
         .073        .292        .365        .438        .730       1.096       1.169       1.607       1.680       2.557
       .00396      .01585      .01981      .02377      .03962      .05943      .06340      .08717      .09113      .13868
0   1.301E-05   1.236E-05   9.758E-06   9.272E-06   7.200E-06   6.505E-06   4.976E-06   4.879E-06   3.733E-06   3.694E-06
        2.630       3.798       3.944       5.551      10.226      12.491      14.536      18.554      18.627      18.700
       .14264      .20604      .21396      .30113      .55472      .67755      .78849     1.00642     1.01038     1.01434
0   3.514E-06   2.586E-06   2.282E-06   1.866E-06   1.669E-06   1.400E-06   1.168E-06   9.332E-07   8.987E-07   5.941E-07
       28.634      28.707      44.120      44.631      60.482      61.724      68.225      71.877      72.023      72.462
      1.55321     1.55718     2.39322     2.42095     3.28077     3.34813     3.70077     3.89888     3.90681     3.93058
0   5.599E-07   4.456E-07   4.000E-07   2.971E-07   2.800E-07   2.733E-07   2.154E-07   2.050E-07   1.782E-07   1.555E-07
       75.603      76.333      81.227      83.930      87.728      88.167      88.240      90.796      91.746      91.819
      4.10096     4.14058     4.40605     4.55266     4.75870     4.78247     4.78643     4.92511     4.97662     4.98059
0   1.367E-07   1.273E-07   8.912E-08   8.200E-08   6.856E-08   5.857E-08   4.100E-08   3.154E-08
       94.522      96.275      97.516      98.539      98.685      99.635      99.927     100.000
      5.12719     5.22228     5.28964     5.34512     5.35304     5.40455     5.42040     5.42436
0          X/Q PERCENTILES
 (BASED ON THE UPPER ENVELOPE OF THE
 ORDERED X/Q-FREQUENCY VALUES, AND AS
 PLOTTED ON A LOG-NORMAL GRAPH.)
0 PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED
        CHI/Q      WITH RESPECT TO     WHEN THE WIND BLOWS
 SEC/CUBIC METER  THE TOTAL TIME      INTO THIS SECTOR ONLY

                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 2)=    .016
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 3)=    .040
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 4)=    .206
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 5)=    .677
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 6)=   1.551
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 7)=   3.278
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 8)=   3.698
     2.769E-05                .054              1.000
     1.435E-05                .163              3.000
     1.073E-05                .271              5.000
     7.380E-06                .542             10.000
     5.710E-06                .814             15.000
     4.624E-06               1.085             20.000
     3.905E-06               1.356             25.000
     3.363E-06               1.627             30.000
     2.902E-06               1.899             35.000
     2.546E-06               2.170             40.000
     2.264E-06               2.441             45.000
     2.034E-06               2.712             50.000
     1.844E-06               2.983             55.000
     1.683E-06               3.255             60.000
     1.350E-06               3.526             65.000
0    7.724E-06               0.5                9.22
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0ANNUAL AVERAGE =    1.09E-07
1USNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 12/17/2009

/PLANT NAME: SCE&G VCS U1  July20                METEOROLOGICAL INSTRUMENTATION
 DATA PERIOD: 03 - June2006 Ground               WIND SENSORS HEIGHT: 10-m
 TYPE OF RELEASE: -Level Release                 DELTA-T HEIGHTS: 10-m to 61-m
 SOURCE OF DATA: EAB=1609 m LPZ=4828 m
 COMMENTS: Accidental Releases
 PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
0LOW POPULATION ZONE CALCULATIONS:
0  SW SECTOR     BOUNDARY DISTANCE = 4828.0 METERS
0LATERAL PLUME MEANDER/BUILDING WAKE CREDIT ALLOWED
 AS A FUNCTION OF DOWNWIND DISTANCE.
 MEANDER CREDIT IS FOR WINDSPEEDS LESS THAN 6 MPS.
 BUILDING WAKE CREDIT IS NOT INCLUDED.
 CORRECTION FACTORS USED IN THE ANNUAL AVERAGE CALCULATIONS.
0BELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
 THE TOP NUMBER IS THE CHI/Q.  THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
 THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.
0   5.045E-05   3.531E-05   3.308E-05   2.523E-05   2.473E-05   1.952E-05   1.892E-05   1.854E-05   1.574E-05   1.236E-05
        .088        .131        .263        .351        .438        .482        .745        .920       1.402       2.060
      .00792      .01189      .02377      .03170      .03962      .04359      .06736      .08321      .12679      .18623
0   1.146E-05   9.758E-06   9.272E-06   7.200E-06   6.505E-06   4.976E-06   4.879E-06   3.694E-06   3.514E-06   2.282E-06
       2.103       2.235       3.243       5.390       6.223       7.581       9.290       9.684      16.652      38.913
      .19019      .20208      .29321      .48736      .56264      .68547      .84000      .87566     1.50567     3.51850
0   1.866E-06   1.669E-06   1.400E-06   1.168E-06   9.332E-07   8.987E-07   5.941E-07   5.599E-07   4.456E-07   4.000E-07
      39.220      64.330      65.294      70.026      72.875      73.006      73.138      77.914      78.221      84.443
     3.54624     5.81663     5.90380     6.33172     6.58927     6.60116     6.61304     7.04493     7.07267     7.63531
0   2.971E-07   2.800E-07   2.733E-07   2.050E-07   1.782E-07   1.367E-07   1.273E-07   8.912E-08   8.200E-08   6.856E-08
      86.065      88.782      89.001      90.053      92.550      94.654      96.275      97.064      98.335      98.379
     7.78192     8.02758     8.04739     8.14248     8.36833     8.55852     8.70513     8.77645     8.89135     8.89532
0   5.857E-08   4.100E-08   3.154E-08
      99.649      99.956     100.000
     9.01022     9.03796     9.04192
0          X/Q PERCENTILES
 (BASED ON THE UPPER ENVELOPE OF THE
 ORDERED X/Q-FREQUENCY VALUES, AND AS
 PLOTTED ON A LOG-NORMAL GRAPH.)
0 PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED
       CHI/Q      WITH RESPECT TO     WHEN THE WIND BLOWS
 SEC/CUBIC METER  THE TOTAL TIME      INTO THIS SECTOR ONLY

                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 2)=    .024
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 3)=    .127
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 4)=    .487
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 5)=   5.813
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 6)=   6.328
     1.843E-05              .090             1.000
     1.025E-05              .271             3.000
     7.542E-06              .452             5.000
     5.238E-06              .904            10.000
     4.194E-06             1.356            15.000
     3.555E-06             1.808            20.000
     3.112E-06             2.260            25.000
     2.782E-06             2.713            30.000
     2.523E-06             3.165            35.000
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     2.314E-06              3.617              40.000
     2.140E-06              4.069              45.000
     1.992E-06              4.521              50.000
     1.865E-06              4.973              55.000
     1.754E-06              5.425              60.000
     1.598E-06              5.877              65.000
     1.170E-06              6.329              70.000
0    7.109E-06              0.5                 5.53
0ANNUAL AVERAGE =   1.44E-07
1USNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 12/17/2009

/PLANT NAME: SCE&G VCS U1  July20                METEOROLOGICAL INSTRUMENTATION
 DATA PERIOD: 03 - June2006 Ground               WIND SENSORS HEIGHT: 10-m
 TYPE OF RELEASE: -Level Release                 DELTA-T HEIGHTS: 10-m to 61-m
 SOURCE OF DATA: EAB=1609 m LPZ=4828 m
 COMMENTS: Accidental Releases
 PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
0LOW POPULATION ZONE CALCULATIONS:
0 WSW SECTOR     BOUNDARY DISTANCE = 4828.0 METERS
0LATERAL PLUME MEANDER/BUILDING WAKE CREDIT ALLOWED
 AS A FUNCTION OF DOWNWIND DISTANCE.
 MEANDER CREDIT IS FOR WINDSPEEDS LESS THAN 6 MPS.
 BUILDING WAKE CREDIT IS NOT INCLUDED.
 CORRECTION FACTORS USED IN THE ANNUAL AVERAGE CALCULATIONS.
0BELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
 THE TOP NUMBER IS THE CHI/Q.  THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
 THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.
0   7.062E-05   4.708E-05   3.531E-05   2.523E-05   1.892E-05   1.854E-05   1.574E-05   1.236E-05   9.758E-06   9.272E-06
        .119        .178        .238        .534        .831        .950       1.366       2.197       2.257       3.444
      .00792      .01189      .01585      .03566      .05547      .06340      .09113      .14660      .15057      .22981
0   7.200E-06   6.505E-06   4.976E-06   4.879E-06   3.694E-06   3.514E-06   2.282E-06   1.866E-06   1.669E-06   1.400E-06
       5.879       6.295       9.086      10.333      10.511      19.834      53.325      53.563      72.506      72.803
      .39227      .42000      .60623      .68944      .70132     1.32340     3.55813     3.57398     4.83794     4.85776
0   1.168E-06   9.332E-07   8.987E-07   5.941E-07   5.599E-07   4.456E-07   4.000E-07   2.971E-07   2.800E-07   2.733E-07
      75.713      77.375      77.435      77.553      82.245      82.720      86.223      87.589      88.895      89.074
     5.05191     5.16285     5.16681     5.17474     5.48776     5.51945     5.75323     5.84436     5.93153     5.94342
0   2.050E-07   1.782E-07   1.367E-07   1.273E-07   8.912E-08   8.200E-08   5.857E-08   4.100E-08
      89.371      92.518      94.299      95.368      95.843      98.515      99.406     100.000
     5.96323     6.17323     6.29210     6.36342     6.39512     6.57342     6.63286     6.67248
0          X/Q PERCENTILES
 (BASED ON THE UPPER ENVELOPE OF THE
 ORDERED X/Q-FREQUENCY VALUES, AND AS
 PLOTTED ON A LOG-NORMAL GRAPH.)
0 PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED
       CHI/Q      WITH RESPECT TO     WHEN THE WIND BLOWS
 SEC/CUBIC METER  THE TOTAL TIME      INTO THIS SECTOR ONLY

                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 2)=    .230
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 3)=   3.555
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 4)=   4.834
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 5)=   5.749
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 6)=   6.360
     2.076E-05              .067               1.000
     1.019E-05              .200               3.000
     7.861E-06              .334               5.000
     5.682E-06              .667              10.000
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     4.643E-06              1.001              15.000
     3.997E-06              1.334              20.000
     3.544E-06              1.668              25.000
     3.203E-06              2.002              30.000
     2.934E-06              2.335              35.000
     2.714E-06              2.669              40.000
     2.530E-06              3.003              45.000
     2.374E-06              3.336              50.000
     2.213E-06              3.670              55.000
     2.028E-06              4.003              60.000
     1.869E-06              4.337              65.000
     1.731E-06              4.671              70.000
     1.268E-06              5.004              75.000
     7.464E-07              5.338              80.000
     4.508E-07              5.672              85.000
     2.466E-07              6.005              90.000
0    6.524E-06              0.5                 7.49
0ANNUAL AVERAGE =   1.18E-07
1USNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 12/17/2009

/PLANT NAME: SCE&G VCS U1  July20                METEOROLOGICAL INSTRUMENTATION
 DATA PERIOD: 03 - June2006 Ground               WIND SENSORS HEIGHT: 10-m
 TYPE OF RELEASE: -Level Release                 DELTA-T HEIGHTS: 10-m to 61-m
 SOURCE OF DATA: EAB=1609 m LPZ=4828 m
 COMMENTS: Accidental Releases
 PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
0LOW POPULATION ZONE CALCULATIONS:
0   W SECTOR     BOUNDARY DISTANCE = 4828.0 METERS
0LATERAL PLUME MEANDER/BUILDING WAKE CREDIT ALLOWED
 AS A FUNCTION OF DOWNWIND DISTANCE.
 MEANDER CREDIT IS FOR WINDSPEEDS LESS THAN 6 MPS.
 BUILDING WAKE CREDIT IS NOT INCLUDED.
 CORRECTION FACTORS USED IN THE ANNUAL AVERAGE CALCULATIONS.
0BELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
 THE TOP NUMBER IS THE CHI/Q.  THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
 THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.
0   4.708E-05   3.784E-05   3.308E-05   2.626E-05   2.523E-05   1.892E-05   1.854E-05   1.574E-05   1.236E-05   1.146E-05
        .367        .459        .918       1.010       1.469       2.112       2.296       2.755       3.673       3.765
      .01585      .01981      .03962      .04359      .06340      .09113      .09906      .11887      .15849      .16245
0   9.758E-06   9.272E-06   7.200E-06   6.505E-06   4.976E-06   4.879E-06   3.694E-06   3.514E-06   2.282E-06   1.866E-06
       3.857       6.612      16.070      16.804      24.885      27.548      27.824      44.261      72.727      72.819
      .16642      .28528      .69340      .72510     1.07378     1.18868     1.20057     1.90982     3.13813     3.14209
0   1.669E-06   1.400E-06   1.168E-06   9.332E-07   5.941E-07   5.599E-07   4.456E-07   4.000E-07   2.971E-07   2.800E-07
      81.175      81.635      82.369      85.124      85.308      88.062      88.338      89.807      91.368      91.827
     3.50266     3.52247     3.55416     3.67303     3.68096     3.79983     3.81171     3.87511     3.94247     3.96228
0   2.050E-07   1.782E-07   1.367E-07   1.273E-07   8.912E-08   8.200E-08   5.857E-08
      92.103      94.858      96.327      97.337      97.612      99.908     100.000
     3.97417     4.09304     4.15643     4.20002     4.21190     4.31096     4.31492
0          X/Q PERCENTILES
 (BASED ON THE UPPER ENVELOPE OF THE
 ORDERED X/Q-FREQUENCY VALUES, AND AS
 PLOTTED ON A LOG-NORMAL GRAPH.)
0 PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED
        CHI/Q      WITH RESPECT TO     WHEN THE WIND BLOWS
 SEC/CUBIC METER  THE TOTAL TIME      INTO THIS SECTOR ONLY
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                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 2)=    .040
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 3)=    .063
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 4)=    .693
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 5)=   1.908
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 6)=   3.135
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 7)=   3.500
     3.151E-05                .043              1.000
     1.785E-05                .129              3.000
     1.375E-05                .216              5.000
     9.455E-06                .431             10.000
     7.497E-06                .647             15.000
     6.215E-06                .863             20.000
     5.328E-06               1.079             25.000
     4.681E-06               1.294             30.000
     4.186E-06               1.510             35.000
     3.792E-06               1.726             40.000
     3.466E-06               1.942             45.000
     3.170E-06               2.157             50.000
     2.921E-06               2.373             55.000
     2.708E-06               2.589             60.000
     2.524E-06               2.805             65.000
     2.362E-06               3.020             70.000
     2.092E-06               3.236             75.000
     1.740E-06               3.452             80.000
0    8.701E-06               0.5               11.59
0ANNUAL AVERAGE =   1.09E-07
1USNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 12/17/2009

/PLANT NAME: SCE&G VCS U1  July20                METEOROLOGICAL INSTRUMENTATION
 DATA PERIOD: 03 - June2006 Ground               WIND SENSORS HEIGHT: 10-m
 TYPE OF RELEASE: -Level Release                 DELTA-T HEIGHTS: 10-m to 61-m
 SOURCE OF DATA: EAB=1609 m LPZ=4828 m
 COMMENTS: Accidental Releases
 PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
0LOW POPULATION ZONE CALCULATIONS:
0 WNW SECTOR     BOUNDARY DISTANCE = 4828.0 METERS
0LATERAL PLUME MEANDER/BUILDING WAKE CREDIT ALLOWED
 AS A FUNCTION OF DOWNWIND DISTANCE.
 MEANDER CREDIT IS FOR WINDSPEEDS LESS THAN 6 MPS.
 BUILDING WAKE CREDIT IS NOT INCLUDED.
 CORRECTION FACTORS USED IN THE ANNUAL AVERAGE CALCULATIONS.
0BELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
 THE TOP NUMBER IS THE CHI/Q.  THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
 THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.
0   9.416E-05   7.062E-05   5.045E-05   4.708E-05   3.531E-05   3.308E-05   2.523E-05   1.892E-05   1.854E-05   1.574E-05
        .175        .350        .525       1.051       1.401       1.926       2.627       3.327       3.678       4.028
      .00396      .00792      .01189      .02377      .03170      .04359      .05943      .07528      .08321      .09113
0   1.236E-05   1.146E-05   9.272E-06   7.200E-06   6.505E-06   4.976E-06   4.879E-06   3.514E-06   2.282E-06   1.866E-06
       6.480       7.005      12.084      25.219      26.095      32.750      35.552      56.392      77.058      77.233
      .14660      .15849      .27340      .57057      .59038      .74095      .80434     1.27585     1.74340     1.74737
0   1.669E-06   1.400E-06   1.168E-06   9.332E-07   5.941E-07   5.599E-07   4.456E-07   4.000E-07   2.971E-07   2.733E-07
      80.035      80.560      80.736      83.713      83.888      88.091      88.441      88.967      90.193      90.368
     1.81076     1.82265     1.82661     1.89397     1.89793     1.99303     2.00095     2.01284     2.04057     2.04454
0   2.050E-07   1.782E-07   1.367E-07   1.273E-07   8.912E-08   8.200E-08   5.857E-08
      90.543      93.345      95.096      95.972      96.147      99.650     100.000
     2.04850     2.11190     2.15152     2.17133     2.17529     2.25454     2.26246
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0          X/Q PERCENTILES
 (BASED ON THE UPPER ENVELOPE OF THE
 ORDERED X/Q-FREQUENCY VALUES, AND AS
 PLOTTED ON A LOG-NORMAL GRAPH.)
0 PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED
        CHI/Q      WITH RESPECT TO     WHEN THE WIND BLOWS
 SEC/CUBIC METER  THE TOTAL TIME      INTO THIS SECTOR ONLY

                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 2)=    .024
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 3)=    .044
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 4)=    .570
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 5)=   1.274
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 6)=   1.741
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 7)=   1.809
     4.804E-05                .023              1.000
     2.604E-05                .068              3.000
     1.955E-05                .113              5.000
     1.299E-05                .226             10.000
     1.010E-05                .339             15.000
     8.392E-06                .452             20.000
     7.242E-06                .566             25.000
     6.204E-06                .679             30.000
     5.422E-06                .792             35.000
     4.815E-06                .905             40.000
     4.328E-06               1.018             45.000
     3.930E-06               1.131             50.000
     3.597E-06               1.244             55.000
     3.230E-06               1.357             60.000
     2.894E-06               1.471             65.000
     2.611E-06               1.584             70.000
     2.370E-06               1.697             75.000
     1.675E-06               1.810             80.000
0    7.860E-06               0.5               22.10
0ANNUAL AVERAGE =   7.20E-08
1USNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 12/17/2009

/PLANT NAME: SCE&G VCS U1  July20                METEOROLOGICAL INSTRUMENTATION
 DATA PERIOD: 03 - June2006 Ground               WIND SENSORS HEIGHT: 10-m
 TYPE OF RELEASE: -Level Release                 DELTA-T HEIGHTS: 10-m to 61-m
 SOURCE OF DATA: EAB=1609 m LPZ=4828 m
 COMMENTS: Accidental Releases
 PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
0LOW POPULATION ZONE CALCULATIONS:
0  NW SECTOR     BOUNDARY DISTANCE = 4828.0 METERS
0LATERAL PLUME MEANDER/BUILDING WAKE CREDIT ALLOWED
 AS A FUNCTION OF DOWNWIND DISTANCE.
 MEANDER CREDIT IS FOR WINDSPEEDS LESS THAN 6 MPS.
 BUILDING WAKE CREDIT IS NOT INCLUDED.
 CORRECTION FACTORS USED IN THE ANNUAL AVERAGE CALCULATIONS.
0BELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
 THE TOP NUMBER IS THE CHI/Q.  THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
 THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.
0   9.416E-05   7.062E-05   5.045E-05   4.708E-05   3.784E-05   3.531E-05   3.308E-05   2.523E-05   2.473E-05   1.892E-05
        .261        .654        .784       1.176       1.307       1.438       2.353       4.444       4.575       6.013
      .00792      .01981      .02377      .03566      .03962      .04359      .07132      .13472      .13868      .18226
0   1.854E-05   1.574E-05   1.236E-05   1.146E-05   9.272E-06   7.200E-06   6.505E-06   4.976E-06   4.879E-06   3.694E-06
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       6.275      11.634      13.464      15.163      18.824      35.294      36.340      43.922      47.320      47.974
      .19019      .35264      .40811      .45962      .57057     1.06982     1.10151     1.33133     1.43435     1.45416
0   3.514E-06   2.586E-06   2.282E-06   1.669E-06   1.400E-06   1.168E-06   9.332E-07   5.599E-07   4.456E-07   4.000E-07
      66.013      66.275      81.046      83.137      83.660      83.791      87.059      89.542      89.673      90.065
     2.00095     2.00888     2.45661     2.52001     2.53586     2.53982     2.63888     2.71416     2.71812     2.73001
0   2.971E-07   2.050E-07   1.782E-07   1.367E-07   1.273E-07   8.200E-08   5.857E-08
      92.288      92.418      94.118      96.863      96.993      99.608     100.000
     2.79737     2.80133     2.85284     2.93605     2.94001     3.01926     3.03114
0          X/Q PERCENTILES
 (BASED ON THE UPPER ENVELOPE OF THE
 ORDERED X/Q-FREQUENCY VALUES, AND AS
 PLOTTED ON A LOG-NORMAL GRAPH.)
0 PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED
        CHI/Q      WITH RESPECT TO     WHEN THE WIND BLOWS
 SEC/CUBIC METER  THE TOTAL TIME      INTO THIS SECTOR ONLY

                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 2)=    .020
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 3)=    .135
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 4)=    .352
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 5)=   1.069
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 6)=   1.999
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 7)=   2.454
     5.690E-05                .030              1.000
     3.155E-05                .091              3.000
     2.386E-05                .152              5.000
     1.700E-05                .303             10.000
     1.327E-05                .455             15.000
     1.088E-05                .606             20.000
     9.281E-06                .758             25.000
     8.126E-06                .909             30.000
     7.245E-06               1.061             35.000
     6.269E-06               1.212             40.000
     5.491E-06               1.364             45.000
     4.869E-06               1.516             50.000
     4.360E-06               1.667             55.000
     3.937E-06               1.819             60.000
     3.580E-06               1.970             65.000
     3.110E-06               2.122             70.000
     2.690E-06               2.273             75.000
     2.346E-06               2.425             80.000
0    1.243E-05               0.5               16.50
0ANNUAL AVERAGE =   1.16E-07
1USNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 12/17/2009

/PLANT NAME: SCE&G VCS U1  July20                METEOROLOGICAL INSTRUMENTATION
 DATA PERIOD: 03 - June2006 Ground               WIND SENSORS HEIGHT: 10-m
 TYPE OF RELEASE: -Level Release                 DELTA-T HEIGHTS: 10-m to 61-m
 SOURCE OF DATA: EAB=1609 m LPZ=4828 m
 COMMENTS: Accidental Releases
 PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
0LOW POPULATION ZONE CALCULATIONS:
0 NNW SECTOR     BOUNDARY DISTANCE = 4828.0 METERS
0LATERAL PLUME MEANDER/BUILDING WAKE CREDIT ALLOWED
 AS A FUNCTION OF DOWNWIND DISTANCE.
 MEANDER CREDIT IS FOR WINDSPEEDS LESS THAN 6 MPS.
 BUILDING WAKE CREDIT IS NOT INCLUDED.
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 CORRECTION FACTORS USED IN THE ANNUAL AVERAGE CALCULATIONS.
0BELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
 THE TOP NUMBER IS THE CHI/Q.  THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
 THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.
0   7.568E-05   7.062E-05   5.045E-05   4.708E-05   3.784E-05   3.531E-05   3.308E-05   2.626E-05   2.523E-05   1.892E-05
         .068        .203        .270       1.284       1.622       2.500       6.419       6.892       8.649      12.500
       .00396      .01189      .01585      .07528      .09509      .14660      .37642      .40415      .50717      .73302
0   1.854E-05   1.574E-05   1.301E-05   1.236E-05   1.146E-05   9.758E-06   9.272E-06   7.200E-06   6.505E-06   4.976E-06
      12.770      24.730      24.797      26.351      30.000      30.203      36.351      53.243      54.865      60.811
       .74887     1.45019     1.45416     1.54529     1.75925     1.77114     2.13171     3.12228     3.21737     3.56605
0   4.879E-06   3.694E-06   3.514E-06   2.282E-06   1.866E-06   1.669E-06   1.400E-06   1.168E-06   9.332E-07   8.912E-07
      62.973      63.176      74.392      85.541      85.676      87.095      87.432      87.905      89.662      89.730
      3.69284     3.70473     4.36247     5.01625     5.02417     5.10738     5.12719     5.15492     5.25794     5.26191
0   5.941E-07   5.599E-07   4.456E-07   4.000E-07   2.971E-07   2.800E-07   2.733E-07   2.050E-07   1.782E-07   1.367E-07
      89.797      92.027      92.162      92.432      93.378      93.513      93.581      94.054      95.743      97.095
      5.26587     5.39662     5.40455     5.42040     5.47587     5.48379     5.48776     5.51549     5.61455     5.69379
0   1.273E-07   8.912E-08   8.200E-08   5.857E-08
      97.365      97.432      99.527     100.000
      5.70964     5.71361     5.83644     5.86417
0          X/Q PERCENTILES
 (BASED ON THE UPPER ENVELOPE OF THE
 ORDERED X/Q-FREQUENCY VALUES, AND AS
 PLOTTED ON A LOG-NORMAL GRAPH.)
0 PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED
        CHI/Q      WITH RESPECT TO     WHEN THE WIND BLOWS
 SEC/CUBIC METER  THE TOTAL TIME      INTO THIS SECTOR ONLY

                                                   HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 4)=   1.449
                                                   HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 5)=   3.119
                                                   HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 6)=   4.359
                                                   HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 7)=   5.013
     5.102E-05                .059              1.000
     3.984E-05                .176              3.000
     3.521E-05                .293              5.000
     2.625E-05                .586             10.000
     2.102E-05                .880             15.000
     1.784E-05               1.173             20.000
     1.557E-05               1.466             25.000
     1.303E-05               1.759             30.000
     1.117E-05               2.052             35.000
     9.744E-06               2.346             40.000
     8.617E-06               2.639             45.000
     7.705E-06               2.932             50.000
     6.728E-06               3.225             55.000
     5.600E-06               3.519             60.000
     4.719E-06               3.812             65.000
     4.017E-06               4.105             70.000
     3.428E-06               4.398             75.000
     2.811E-06               4.691             80.000
     2.327E-06               4.985             85.000
0    2.856E-05               0.5                8.53
0ANNUAL AVERAGE =   2.86E-07
1USNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 12/17/2009

/PLANT NAME: SCE&G VCS U1  July20                METEOROLOGICAL INSTRUMENTATION
 DATA PERIOD: 03 - June2006 Ground               WIND SENSORS HEIGHT: 10-m
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 TYPE OF RELEASE: -Level Release                DELTA-T HEIGHTS: 10-m to 61-m
 SOURCE OF DATA: EAB=1609 m LPZ=4828 m
 COMMENTS: Accidental Releases
 PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
0LOW POPULATION ZONE CALCULATIONS:
0   N SECTOR     BOUNDARY DISTANCE = 4828.0 METERS
0LATERAL PLUME MEANDER/BUILDING WAKE CREDIT ALLOWED
 AS A FUNCTION OF DOWNWIND DISTANCE.
 MEANDER CREDIT IS FOR WINDSPEEDS LESS THAN 6 MPS.
 BUILDING WAKE CREDIT IS NOT INCLUDED.
 CORRECTION FACTORS USED IN THE ANNUAL AVERAGE CALCULATIONS.
0BELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
 THE TOP NUMBER IS THE CHI/Q.  THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
 THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.
0   9.416E-05   7.062E-05   5.045E-05   4.708E-05   3.784E-05   3.531E-05   3.308E-05   2.626E-05   2.523E-05   2.473E-05
        .214        .694       1.015       3.739       4.113       6.303      10.897      11.111      14.103      14.316
      .01585      .05151      .07528      .27736      .30510      .46755      .80831      .82415     1.04604     1.06189
0   1.892E-05   1.854E-05   1.574E-05   1.236E-05   1.146E-05   9.758E-06   9.272E-06   7.200E-06   6.505E-06   4.976E-06
      18.162      18.697      29.113      32.853      34.615      34.776      39.316      53.152      54.647      61.432
     1.34718     1.38680     2.15944     2.43680     2.56756     2.57944     2.91624     3.94247     4.05341     4.55662
0   4.879E-06   3.694E-06   3.514E-06   2.586E-06   2.282E-06   1.866E-06   1.669E-06   1.400E-06   1.168E-06   9.332E-07
      63.729      64.156      70.994      71.100      80.929      80.983      83.333      83.814      84.936      87.340
     4.72700     4.75870     5.26587     5.27379     6.00285     6.00682     6.18116     6.21682     6.30002     6.47833
0   5.941E-07   5.599E-07   4.456E-07   4.000E-07   2.971E-07   2.800E-07   2.733E-07   2.050E-07   1.782E-07   1.367E-07
      87.393      90.064      90.118      90.812      92.041      92.308      92.415      92.628      95.299      95.994
     6.48229     6.68040     6.68437     6.73588     6.82701     6.84682     6.85474     6.87059     7.06871     7.12022
0   1.273E-07   8.912E-08   8.200E-08   5.857E-08   4.100E-08
      96.795      96.955      99.199      99.733     100.000
     7.17965     7.19154     7.35795     7.39758     7.41739
0          X/Q PERCENTILES
 (BASED ON THE UPPER ENVELOPE OF THE
 ORDERED X/Q-FREQUENCY VALUES, AND AS
 PLOTTED ON A LOG-NORMAL GRAPH.)
0 PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED
        CHI/Q      WITH RESPECT TO     WHEN THE WIND BLOWS
 SEC/CUBIC METER  THE TOTAL TIME      INTO THIS SECTOR ONLY

                                                   HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 4)=   2.157
                                                   HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 5)=   3.939
                                                   HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 6)=   4.723
                                                   HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 7)=   5.262
                                                   HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 8)=   5.999
     6.607E-05              .074            1.000
     4.996E-05              .223            3.000
     4.295E-05              .371            5.000
     3.408E-05              .742           10.000
     2.626E-05             1.113           15.000
     2.115E-05             1.483           20.000
     1.778E-05             1.854           25.000
     1.516E-05             2.225           30.000
     1.249E-05             2.596           35.000
     1.052E-05             2.967           40.000
     9.012E-06             3.338           45.000
     7.825E-06             3.709           50.000
     6.698E-06             4.080           55.000
     5.561E-06             4.450           60.000
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     4.597E-06              4.821              65.000
     3.669E-06              5.192              70.000
     2.936E-06              5.563              75.000
     2.371E-06              5.934              80.000
0    3.896E-05              0.5                 6.74
0ANNUAL AVERAGE =   4.22E-07
1USNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 12/17/2009

/PLANT NAME: SCE&G VCS U1  July20                METEOROLOGICAL INSTRUMENTATION
 DATA PERIOD: 03 - June2006 Ground               WIND SENSORS HEIGHT: 10-m
 TYPE OF RELEASE: -Level Release                 DELTA-T HEIGHTS: 10-m to 61-m
 SOURCE OF DATA: EAB=1609 m LPZ=4828 m
 COMMENTS: Accidental Releases
 PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
0LOW POPULATION ZONE CALCULATIONS:
0 NNE SECTOR     BOUNDARY DISTANCE = 4828.0 METERS
0LATERAL PLUME MEANDER/BUILDING WAKE CREDIT ALLOWED
 AS A FUNCTION OF DOWNWIND DISTANCE.
 MEANDER CREDIT IS FOR WINDSPEEDS LESS THAN 6 MPS.
 BUILDING WAKE CREDIT IS NOT INCLUDED.
 CORRECTION FACTORS USED IN THE ANNUAL AVERAGE CALCULATIONS.
0BELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
 THE TOP NUMBER IS THE CHI/Q.  THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
 THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.
0   9.416E-05   7.568E-05   7.062E-05   4.708E-05   3.784E-05   3.709E-05   3.531E-05   3.308E-05   2.626E-05   2.523E-05
         .087        .131        .524       3.275       3.624       3.668       5.284       8.908       8.996      10.568
       .00792      .01189      .04755      .29717      .32887      .33283      .47944      .80830      .81623      .95887
0   2.473E-05   2.004E-05   1.892E-05   1.854E-05   1.574E-05   1.236E-05   1.146E-05   9.758E-06   9.272E-06   7.200E-06
       10.655      10.699      13.799      14.236      21.703      25.065      25.895      26.114      31.747      50.699
       .96680      .97076     1.25208     1.29170     1.96925     2.27435     2.34963     2.36944     2.88058     4.60021
0   6.505E-06   4.976E-06   4.879E-06   3.694E-06   3.514E-06   2.586E-06   2.282E-06   1.866E-06   1.669E-06   1.400E-06
       52.009      59.563      62.271      62.576      69.782      69.825      78.472      78.646      81.092      81.572
      4.71907     5.40455     5.65021     5.67795     6.33172     6.33569     7.12022     7.13607     7.35795     7.40154
0   1.168E-06   9.332E-07   8.987E-07   5.941E-07   5.599E-07   4.456E-07   4.000E-07   2.971E-07   2.733E-07   2.050E-07
       81.790      83.930      83.974      84.148      86.463      86.812      87.293      89.782      89.825      90.000
      7.42135     7.61550     7.61946     7.63531     7.84531     7.87701     7.92060     8.14645     8.15041     8.16626
0   1.782E-07   1.367E-07   1.273E-07   8.912E-08   8.200E-08   5.857E-08   4.100E-08
       92.795      95.459      96.026      96.114      99.389      99.956     100.000
      8.41984     8.66154     8.71305     8.72098     9.01815     9.06966     9.07362
0          X/Q PERCENTILES
 (BASED ON THE UPPER ENVELOPE OF THE
 ORDERED X/Q-FREQUENCY VALUES, AND AS
 PLOTTED ON A LOG-NORMAL GRAPH.)
0 PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED
        CHI/Q      WITH RESPECT TO     WHEN THE WIND BLOWS
 SEC/CUBIC METER  THE TOTAL TIME      INTO THIS SECTOR ONLY

                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 4)=    .807
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 5)=   1.967
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 6)=   4.597
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 7)=   5.646
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 8)=   6.328
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 9)=   7.116
     6.165E-05              .091               1.000
     4.808E-05              .272               3.000
     4.074E-05              .454               5.000
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     3.018E-05                .907              10.000
     2.165E-05               1.361              15.000
     1.691E-05               1.815              20.000
     1.392E-05               2.268              25.000
     1.183E-05               2.722              30.000
     1.027E-05               3.176              35.000
     9.064E-06               3.629              40.000
     8.095E-06               4.083              45.000
     7.300E-06               4.537              50.000
     6.184E-06               4.990              55.000
     5.241E-06               5.444              60.000
     4.316E-06               5.898              65.000
     3.474E-06               6.352              70.000
     2.699E-06               6.805              75.000
0    3.937E-05               0.5                 5.51
0ANNUAL AVERAGE =    4.60E-07
1USNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 12/17/2009

/PLANT NAME: SCE&G VCS U1  July20                METEOROLOGICAL INSTRUMENTATION
 DATA PERIOD: 03 - June2006 Ground               WIND SENSORS HEIGHT: 10-m
 TYPE OF RELEASE: -Level Release                 DELTA-T HEIGHTS: 10-m to 61-m
 SOURCE OF DATA: EAB=1609 m LPZ=4828 m
 COMMENTS: Accidental Releases
 PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
0LOW POPULATION ZONE CALCULATIONS:
0  NE SECTOR     BOUNDARY DISTANCE = 4828.0 METERS
0LATERAL PLUME MEANDER/BUILDING WAKE CREDIT ALLOWED
 AS A FUNCTION OF DOWNWIND DISTANCE.
 MEANDER CREDIT IS FOR WINDSPEEDS LESS THAN 6 MPS.
 BUILDING WAKE CREDIT IS NOT INCLUDED.
 CORRECTION FACTORS USED IN THE ANNUAL AVERAGE CALCULATIONS.
0BELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
 THE TOP NUMBER IS THE CHI/Q.  THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
 THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.
0   1.412E-04   9.416E-05   7.062E-05   5.045E-05   4.708E-05   3.784E-05   3.531E-05   3.308E-05   2.626E-05   2.523E-05
         .034        .170        .951       1.121       4.448       4.754       6.587      10.017      10.051      12.088
       .00396      .01981      .11094      .13076      .51906      .55472      .76868     1.16887     1.17283     1.41057
0   2.473E-05   1.892E-05   1.854E-05   1.574E-05   1.301E-05   1.236E-05   1.146E-05   9.758E-06   9.272E-06   7.200E-06
        12.156      16.197      16.638      22.954      23.022      27.063      27.233      27.538      34.771      50.628
      1.41850     1.89001     1.94152     2.67850     2.68643     3.15794     3.17775     3.21341     4.05737     5.90776
0   6.505E-06   4.976E-06   4.879E-06   3.694E-06   3.514E-06   2.282E-06   1.866E-06   1.669E-06   1.400E-06   9.332E-07
        52.088      56.163      58.540      58.608      67.199      74.533      74.737      75.722      76.503      78.913
      6.07814     6.55361     6.83097     6.83889     7.84135     8.69720     8.72098     8.83588     8.92702     9.20834
0   5.941E-07   5.599E-07   4.456E-07   4.100E-07   4.000E-07   2.971E-07   2.733E-07   2.050E-07   1.782E-07   1.367E-07
        79.185      80.883      81.630      81.664      82.139      85.025      85.297      86.180      88.183      94.941
      9.24004     9.43815     9.52532     9.52928     9.58475     9.92155     9.95325    10.05626    10.29004    11.07853
0   1.273E-07   8.200E-08   5.857E-08
        95.076      99.626     100.000
      11.09438    11.62533    11.66891
0          X/Q PERCENTILES
 (BASED ON THE UPPER ENVELOPE OF THE
 ORDERED X/Q-FREQUENCY VALUES, AND AS
 PLOTTED ON A LOG-NORMAL GRAPH.)
0 PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED
        CHI/Q      WITH RESPECT TO     WHEN THE WIND BLOWS
 SEC/CUBIC METER  THE TOTAL TIME      INTO THIS SECTOR ONLY
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                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 4)=   1.168
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 5)=   2.676
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 6)=   5.904
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 7)=   7.838
                                                    HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 8)=   8.694
     6.975E-05                .117              1.000
     5.252E-05                .350              3.000
     4.484E-05                .583              5.000
     3.310E-05               1.167             10.000
     2.330E-05               1.750             15.000
     1.792E-05               2.334             20.000
     1.454E-05               2.917             25.000
     1.223E-05               3.501             30.000
     1.052E-05               4.084             35.000
     9.203E-06               4.668             40.000
     8.152E-06               5.251             45.000
     7.296E-06               5.834             50.000
     5.865E-06               6.418             55.000
     4.709E-06               7.001             60.000
     3.832E-06               7.585             65.000
     2.968E-06               8.168             70.000
0    4.758E-05               0.5                4.28
0ANNUAL AVERAGE =    6.28E-07
1USNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 12/17/2009

/PLANT NAME: SCE&G VCS U1  July20                METEOROLOGICAL INSTRUMENTATION
 DATA PERIOD: 03 - June2006 Ground               WIND SENSORS HEIGHT: 10-m
 TYPE OF RELEASE: -Level Release                 DELTA-T HEIGHTS: 10-m to 61-m
 SOURCE OF DATA: EAB=1609 m LPZ=4828 m
 COMMENTS: Accidental Releases
 PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
0LOW POPULATION ZONE CALCULATIONS:
0 ENE SECTOR     BOUNDARY DISTANCE = 4828.0 METERS
0LATERAL PLUME MEANDER/BUILDING WAKE CREDIT ALLOWED
 AS A FUNCTION OF DOWNWIND DISTANCE.
 MEANDER CREDIT IS FOR WINDSPEEDS LESS THAN 6 MPS.
 BUILDING WAKE CREDIT IS NOT INCLUDED.
 CORRECTION FACTORS USED IN THE ANNUAL AVERAGE CALCULATIONS.
0BELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
 THE TOP NUMBER IS THE CHI/Q.  THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
 THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.
0   9.416E-05   7.062E-05   5.045E-05   4.708E-05   3.784E-05   3.709E-05   3.531E-05   3.308E-05   2.523E-05   2.473E-05
        .073       1.055       1.091       6.111       6.875       6.912       9.895      13.714      15.497      15.606
      .00792      .11491      .11887      .66566      .74887      .75283     1.07774     1.49378     1.68793     1.69982
0   1.892E-05   1.854E-05   1.574E-05   1.301E-05   1.236E-05   1.146E-05   9.758E-06   9.272E-06   7.200E-06   6.505E-06
      18.625      18.952      23.136      23.318      26.919      26.992      27.392      32.666      43.616      45.289
     2.02869     2.06435     2.52001     2.53982     2.93209     2.94001     2.98360     3.55813     4.75077     4.93304
0   4.976E-06   4.879E-06   3.694E-06   3.514E-06   2.800E-06   2.282E-06   1.866E-06   1.669E-06   1.400E-06   9.332E-07
      49.072      52.128      52.201      60.022      60.058      66.242      66.606      67.261      68.498      70.898
     5.34512     5.67795     5.68587     6.53776     6.54172     7.21531     7.25493     7.32625     7.46097     7.72248
0   5.941E-07   5.599E-07   4.456E-07   4.000E-07   2.971E-07   2.800E-07   2.733E-07   2.050E-07   1.782E-07   1.367E-07
      71.226      73.045      73.554      73.809      77.083      77.119      77.301      78.901      81.266      88.978
     7.75814     7.95626     8.01173     8.03946     8.39607     8.40003     8.41984     8.59418     8.85173     9.69174
0   1.273E-07   8.200E-08   5.857E-08
      89.196      98.763     100.000
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      9.71551    10.75759    10.89231
0          X/Q PERCENTILES
 (BASED ON THE UPPER ENVELOPE OF THE
 ORDERED X/Q-FREQUENCY VALUES, AND AS
 PLOTTED ON A LOG-NORMAL GRAPH.)
0 PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED
        CHI/Q      WITH RESPECT TO     WHEN THE WIND BLOWS
 SEC/CUBIC METER  THE TOTAL TIME      INTO THIS SECTOR ONLY

                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 4)=   1.492
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 5)=   2.517
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 6)=   4.747
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 7)=   5.674
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 8)=   6.534
     7.107E-05                .109              1.000
     5.596E-05                .327              3.000
     4.950E-05                .545              5.000
     3.813E-05               1.089             10.000
     2.924E-05               1.634             15.000
     1.947E-05               2.178             20.000
     1.437E-05               2.723             25.000
     1.154E-05               3.268             30.000
     9.542E-06               3.812             35.000
     8.055E-06               4.357             40.000
     6.732E-06               4.902             45.000
     5.351E-06               5.446             50.000
     4.312E-06               5.991             55.000
     3.517E-06               6.535             60.000
0    5.055E-05               0.5                4.59
0ANNUAL AVERAGE =    5.90E-07
1USNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 12/17/2009

/PLANT NAME: SCE&G VCS U1  July20                METEOROLOGICAL INSTRUMENTATION
 DATA PERIOD: 03 - June2006 Ground               WIND SENSORS HEIGHT: 10-m
 TYPE OF RELEASE: -Level Release                 DELTA-T HEIGHTS: 10-m to 61-m
 SOURCE OF DATA: EAB=1609 m LPZ=4828 m
 COMMENTS: Accidental Releases
 PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
0LOW POPULATION ZONE CALCULATIONS:
0   E SECTOR     BOUNDARY DISTANCE = 4828.0 METERS
0LATERAL PLUME MEANDER/BUILDING WAKE CREDIT ALLOWED
 AS A FUNCTION OF DOWNWIND DISTANCE.
 MEANDER CREDIT IS FOR WINDSPEEDS LESS THAN 6 MPS.
 BUILDING WAKE CREDIT IS NOT INCLUDED.
 CORRECTION FACTORS USED IN THE ANNUAL AVERAGE CALCULATIONS.
0BELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
 THE TOP NUMBER IS THE CHI/Q.  THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
 THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.
0   1.412E-04   9.416E-05   7.568E-05   7.062E-05   5.045E-05   4.708E-05   3.784E-05   3.531E-05   3.308E-05   2.626E-05
          .041        .248        .289        .991       1.156       6.356       6.810      10.153      13.950      13.991
        .00396      .02377      .02774      .09509      .11094      .61019      .65378      .97472     1.33925     1.34321
0   2.523E-05   2.473E-05   1.892E-05   1.854E-05   1.574E-05   1.301E-05   1.236E-05   1.146E-05   9.758E-06   9.272E-06
         16.591      16.674      18.820      19.274      24.309      24.391      27.239      27.487      27.858      31.572
        1.59284     1.60076     1.80680     1.85038     2.33378     2.34171     2.61510     2.63888     2.67454     3.03114
0   7.200E-06   6.505E-06   4.976E-06   4.879E-06   3.694E-06   3.514E-06   2.282E-06   1.866E-06   1.669E-06   1.400E-06
         46.471      48.700      53.776      56.459      56.748      64.507      74.082      74.247      76.888      77.383
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      4.46153     4.67549     5.16285     5.42040     5.44813     6.19304     7.11229     7.12814     7.38173     7.42927
0   1.168E-06   9.332E-07   8.912E-07   5.941E-07   5.599E-07   4.456E-07   4.100E-07   4.000E-07   2.971E-07   2.733E-07
       77.507      79.364      79.447      79.571      82.460      83.161      83.203      83.739      85.596      85.761
      7.44116     7.61946     7.62739     7.63927     7.91663     7.98399     7.98795     8.03946     8.21777     8.23361
0   2.050E-07   1.782E-07   1.367E-07   1.273E-07   8.912E-08   8.200E-08   5.857E-08   4.100E-08
       86.587      89.104      91.003      92.447      92.654      98.762      99.959     100.000
      8.31286     8.55456     8.73682     8.87550     8.89532     9.48173     9.59664     9.60060
0          X/Q PERCENTILES
 (BASED ON THE UPPER ENVELOPE OF THE
 ORDERED X/Q-FREQUENCY VALUES, AND AS
 PLOTTED ON A LOG-NORMAL GRAPH.)
0 PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED
        CHI/Q       WITH RESPECT TO     WHEN THE WIND BLOWS
 SEC/CUBIC METER  THE TOTAL TIME      INTO THIS SECTOR ONLY

                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 3)=   1.338
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 4)=   2.331
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 5)=   4.458
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 6)=   5.417
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 7)=   6.189
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 8)=   7.108
     7.418E-05                .096              1.000
     5.719E-05                .288              3.000
     5.019E-05                .480              5.000
     3.857E-05                .960             10.000
     3.012E-05               1.440             15.000
     2.057E-05               1.920             20.000
     1.524E-05               2.400             25.000
     1.233E-05               2.880             30.000
     1.025E-05               3.360             35.000
     8.698E-06               3.840             40.000
     7.501E-06               4.320             45.000
     6.231E-06               4.800             50.000
     5.146E-06               5.280             55.000
     4.205E-06               5.760             60.000
     3.433E-06               6.240             65.000
     2.727E-06               6.720             70.000
0    4.965E-05               0.5                5.21
0ANNUAL AVERAGE =   5.48E-07
1USNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 12/17/2009

/PLANT NAME: SCE&G VCS U1  July20                METEOROLOGICAL INSTRUMENTATION
 DATA PERIOD: 03 - June2006 Ground               WIND SENSORS HEIGHT: 10-m
 TYPE OF RELEASE: -Level Release                 DELTA-T HEIGHTS: 10-m to 61-m
 SOURCE OF DATA: EAB=1609 m LPZ=4828 m
 COMMENTS: Accidental Releases
 PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
0LOW POPULATION ZONE CALCULATIONS:
0 ESE SECTOR     BOUNDARY DISTANCE = 4828.0 METERS
0LATERAL PLUME MEANDER/BUILDING WAKE CREDIT ALLOWED
 AS A FUNCTION OF DOWNWIND DISTANCE.
 MEANDER CREDIT IS FOR WINDSPEEDS LESS THAN 6 MPS.
 BUILDING WAKE CREDIT IS NOT INCLUDED.
 CORRECTION FACTORS USED IN THE ANNUAL AVERAGE CALCULATIONS.
0BELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
 THE TOP NUMBER IS THE CHI/Q.  THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
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 THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.
0   1.412E-04   9.416E-05   7.062E-05   5.045E-05   4.708E-05   3.784E-05   3.709E-05   3.531E-05   3.308E-05   2.523E-05
         .094        .187       1.216       1.590       6.080       7.016       7.109       9.448      12.535      16.838
       .00396      .00792      .05151      .06736      .25755      .29717      .30113      .40019      .53095      .71321
0   2.473E-05   1.892E-05   1.854E-05   1.574E-05   1.301E-05   1.236E-05   1.146E-05   9.758E-06   9.272E-06   7.200E-06
      17.399      20.580      21.515      26.660      27.035      32.086      32.367      33.396      38.354      48.644
      .73698      .87170      .91132     1.12925     1.14510     1.35906     1.37095     1.41453     1.62453     2.06039
0   6.505E-06   4.976E-06   4.879E-06   3.514E-06   2.282E-06   1.866E-06   1.669E-06   1.400E-06   9.332E-07   5.941E-07
      52.105      53.508      58.372      67.072      72.778      73.340      74.556      75.865      78.765      78.952
     2.20699     2.26642     2.47246     2.84095     3.08265     3.10643     3.15794     3.21341     3.33624     3.34416
0   5.599E-07   4.456E-07   4.000E-07   2.971E-07   2.733E-07   2.050E-07   1.782E-07   1.367E-07   1.273E-07   8.200E-08
      82.226      82.975      83.349      86.249      86.623      87.278      91.487      94.761      95.136      99.626
     3.48284     3.51454     3.53039     3.65322     3.66907     3.69681     3.87511     4.01379     4.02964     4.21983
0   5.857E-08
     100.000
     4.23568
0          X/Q PERCENTILES
 (BASED ON THE UPPER ENVELOPE OF THE
 ORDERED X/Q-FREQUENCY VALUES, AND AS
 PLOTTED ON A LOG-NORMAL GRAPH.)
0 PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED
        CHI/Q      WITH RESPECT TO     WHEN THE WIND BLOWS
 SEC/CUBIC METER  THE TOTAL TIME      INTO THIS SECTOR ONLY

                                                   HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 3)=    .530
                                                   HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 4)=    .736
                                                   HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 5)=   1.128
                                                   HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 6)=   2.058
                                                   HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 7)=   2.205
                                                   HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 8)=   2.838
     7.885E-05                .042              1.000
     5.815E-05                .127              3.000
     4.999E-05                .212              5.000
     3.704E-05                .424             10.000
     2.824E-05                .635             15.000
     2.139E-05                .847             20.000
     1.687E-05               1.059             25.000
     1.357E-05               1.271             30.000
     1.114E-05               1.482             35.000
     9.355E-06               1.694             40.000
     7.998E-06               1.906             45.000
     6.914E-06               2.118             50.000
     5.713E-06               2.330             55.000
     4.626E-06               2.541             60.000
     3.799E-06               2.753             65.000
0    3.409E-05               0.5               11.80
0ANNUAL AVERAGE =   2.64E-07
1USNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 12/17/2009

/PLANT NAME: SCE&G VCS U1  July20                METEOROLOGICAL INSTRUMENTATION
 DATA PERIOD: 03 - June2006 Ground               WIND SENSORS HEIGHT: 10-m
 TYPE OF RELEASE: -Level Release                 DELTA-T HEIGHTS: 10-m to 61-m
 SOURCE OF DATA: EAB=1609 m LPZ=4828 m
 COMMENTS: Accidental Releases
 PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
0LOW POPULATION ZONE CALCULATIONS:
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0  SE SECTOR     BOUNDARY DISTANCE = 4828.0 METERS
0LATERAL PLUME MEANDER/BUILDING WAKE CREDIT ALLOWED
 AS A FUNCTION OF DOWNWIND DISTANCE.
 MEANDER CREDIT IS FOR WINDSPEEDS LESS THAN 6 MPS.
 BUILDING WAKE CREDIT IS NOT INCLUDED.
 CORRECTION FACTORS USED IN THE ANNUAL AVERAGE CALCULATIONS.
0BELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
 THE TOP NUMBER IS THE CHI/Q.  THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
 THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.
0   9.416E-05   7.062E-05   4.708E-05   3.784E-05   3.531E-05   3.308E-05   2.523E-05   2.473E-05   1.892E-05   1.854E-05
         .111        .996       2.212       2.876       3.982       5.752       7.301       7.522      10.066      10.951
       .00396      .03566      .07925      .10302      .14264      .20604      .26151      .26943      .36057      .39227
0   1.574E-05   1.301E-05   1.236E-05   1.146E-05   9.758E-06   9.272E-06   7.200E-06   6.505E-06   4.976E-06   4.879E-06
      14.270      14.381      17.257      17.478      18.142      21.460      29.425      31.637      34.845      38.717
      .51113      .51510      .61812      .62604      .64981      .76868     1.05397     1.13321     1.24812     1.38680
0   3.694E-06   3.514E-06   2.282E-06   1.866E-06   1.669E-06   1.400E-06   1.168E-06   9.332E-07   8.987E-07   5.941E-07
      38.827      50.774      62.168      62.832      66.482      67.367      67.920      71.460      71.571      71.681
     1.39076     1.81869     2.22680     2.25057     2.38133     2.41303     2.43284     2.55963     2.56359     2.56756
0   5.599E-07   4.456E-07   4.000E-07   2.971E-07   2.800E-07   2.733E-07   2.050E-07   1.782E-07   1.367E-07   1.273E-07
      74.889      75.774      77.323      81.084      81.416      81.969      82.743      87.611      90.708      92.035
     2.68246     2.71416     2.76963     2.90435     2.91624     2.93605     2.96378     3.13813     3.24907     3.29662
0   8.912E-08   8.200E-08   5.857E-08   4.100E-08
      93.031      98.894      99.779     100.000
     3.33228     3.54228     3.57398     3.58190
0          X/Q PERCENTILES
 (BASED ON THE UPPER ENVELOPE OF THE
 ORDERED X/Q-FREQUENCY VALUES, AND AS
 PLOTTED ON A LOG-NORMAL GRAPH.)
0 PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED
        CHI/Q      WITH RESPECT TO     WHEN THE WIND BLOWS
 SEC/CUBIC METER  THE TOTAL TIME      INTO THIS SECTOR ONLY

                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 3)=    .206
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 4)=    .511
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 5)=   1.053
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 6)=   1.817
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 7)=   2.224
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 8)=   2.379
     7.050E-05                .036              1.000
     4.439E-05                .107              3.000
     3.529E-05                .179              5.000
     2.122E-05                .358             10.000
     1.494E-05                .537             15.000
     1.102E-05                .716             20.000
     8.638E-06                .895             25.000
     7.025E-06               1.075             30.000
     5.764E-06               1.254             35.000
     4.841E-06               1.433             40.000
     4.138E-06               1.612             45.000
     3.588E-06               1.791             50.000
     2.968E-06               1.970             55.000
     2.464E-06               2.149             60.000
     1.855E-06               2.328             65.000
0    1.604E-05               0.5               13.96
0ANNUAL AVERAGE =   1.41E-07
1USNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 12/17/2009
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/PLANT NAME: SCE&G VCS U1  July20                METEOROLOGICAL INSTRUMENTATION
 DATA PERIOD: 03 - June2006 Ground               WIND SENSORS HEIGHT: 10-m
 TYPE OF RELEASE: -Level Release                 DELTA-T HEIGHTS: 10-m to 61-m
 SOURCE OF DATA: EAB=1609 m LPZ=4828 m
 COMMENTS: Accidental Releases
 PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
0LOW POPULATION ZONE CALCULATIONS:
0 SSE SECTOR     BOUNDARY DISTANCE = 4828.0 METERS
0LATERAL PLUME MEANDER/BUILDING WAKE CREDIT ALLOWED
 AS A FUNCTION OF DOWNWIND DISTANCE.
 MEANDER CREDIT IS FOR WINDSPEEDS LESS THAN 6 MPS.
 BUILDING WAKE CREDIT IS NOT INCLUDED.
 CORRECTION FACTORS USED IN THE ANNUAL AVERAGE CALCULATIONS.
0BELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
 THE TOP NUMBER IS THE CHI/Q.  THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
 THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.
0   7.062E-05   5.045E-05   4.708E-05   3.784E-05   3.531E-05   3.308E-05   2.523E-05   1.892E-05   1.854E-05   1.574E-05
         .266        .399        .932       1.198       1.332       1.997       3.728       4.394       5.193       5.992
       .00792      .01189      .02774      .03566      .03962      .05943      .11094      .13076      .15453      .17830
0   1.301E-05   1.236E-05   1.146E-05   9.758E-06   9.272E-06   7.200E-06   6.505E-06   4.976E-06   4.879E-06   3.694E-06
        6.391       8.389       8.788       9.720      11.585      18.109      21.305      26.631      29.028      29.694
       .19019      .24962      .26151      .28925      .34472      .53887      .63396      .79246      .86378      .88359
0   3.514E-06   2.586E-06   2.282E-06   1.866E-06   1.669E-06   1.400E-06   1.168E-06   9.332E-07   8.987E-07   5.941E-07
       39.547      39.814      53.395      54.727      62.450      64.314      69.108      72.836      72.969      74.168
      1.17680     1.18472     1.58887     1.62850     1.85831     1.91378     2.05642     2.16737     2.17133     2.20699
0   5.599E-07   4.456E-07   4.000E-07   2.971E-07   2.800E-07   2.733E-07   2.050E-07   1.782E-07   1.367E-07   1.273E-07
       76.831      78.562      79.760      82.823      84.288      84.554      87.217      90.013      93.742      95.340
      2.28624     2.33774     2.37341     2.46454     2.50812     2.51605     2.59529     2.67850     2.78944     2.83699
0   8.912E-08   8.200E-08   6.856E-08   5.857E-08   4.100E-08   3.154E-08
       96.272      98.269      98.402      99.068      99.867     100.000
      2.86473     2.92416     2.92812     2.94794     2.97171     2.97567
0          X/Q PERCENTILES
 (BASED ON THE UPPER ENVELOPE OF THE
 ORDERED X/Q-FREQUENCY VALUES, AND AS
 PLOTTED ON A LOG-NORMAL GRAPH.)
0 PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED
        CHI/Q      WITH RESPECT TO     WHEN THE WIND BLOWS
 SEC/CUBIC METER  THE TOTAL TIME      INTO THIS SECTOR ONLY

                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 2)=    .028
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 3)=    .111
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 4)=    .538
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 5)=    .633
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 6)=    .863
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 7)=   1.175
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 8)=   1.587
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 9)=   1.856
                                                HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE(10)=   2.054
     4.568E-05                .030              1.000
     2.794E-05                .089              3.000
     2.026E-05                .149              5.000
     1.180E-05                .298             10.000
     8.449E-06                .446             15.000
     6.769E-06                .595             20.000
     5.614E-06                .744             25.000
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     4.714E-06              .893            30.000
     4.007E-06             1.041            35.000
     3.458E-06             1.190            40.000
     2.925E-06             1.339            45.000
     2.512E-06             1.488            50.000
     2.152E-06             1.637            55.000
     1.809E-06             1.785            60.000
     1.451E-06             1.934            65.000
0    7.676E-06             0.5              16.80
0ANNUAL AVERAGE =   8.37E-08
1USNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 12/17/2009

/PLANT NAME: SCE&G VCS U1  July20                METEOROLOGICAL INSTRUMENTATION
 DATA PERIOD: 03 - June2006 Ground               WIND SENSORS HEIGHT: 10-m
 TYPE OF RELEASE: -Level Release                 DELTA-T HEIGHTS: 10-m to 61-m
 SOURCE OF DATA: EAB=1609 m LPZ=4828 m
 COMMENTS: Accidental Releases
 PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
0LOW POPULATION ZONE CALCULATIONS:
 DIRECTION-INDEPENDENT (S.R.P 2.3.4) MODEL.
 MINIMUM BOUNDARY DISTANCE = 4828.0 METERS.
 BUILDING WAKE CREDIT IS NOT INCLUDED.
 CORRECTION FACTORS USED IN THE ANNUAL AVERAGE CALCULATIONS.
0BELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
 THE TOP NUMBER IS THE CHI/Q.  THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
 THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.
0   2.805E-04   1.870E-04   1.403E-04   1.205E-04   9.351E-05   8.030E-05   7.013E-05   6.023E-05   5.172E-05   4.676E-05
        .012        .099        .555        .567       2.833       2.940       4.327       4.652       4.664       7.049
      .01189      .09906      .55472      .56661     2.83303     2.94001     4.32681     4.65172     4.66360     7.04889
0   4.015E-05   3.448E-05   3.011E-05   2.805E-05   2.586E-05   2.336E-05   2.008E-05   2.004E-05   1.724E-05   1.558E-05
       8.650       8.753      10.987      11.051      11.439      11.443      16.000      16.004      18.603      18.682
     8.64966     8.75268    10.98740    11.05080    11.43910    11.44306    15.99968    16.00365    18.60290    18.68215
0   1.293E-05   1.205E-05   1.168E-05   8.620E-06   7.788E-06   5.841E-06   5.172E-06   3.894E-06   3.733E-06   3.694E-06
      22.743      23.330      23.639      34.773      36.421      39.183      43.728      53.178      53.182      53.423
    22.74349    23.32990    23.63896    34.77297    36.42128    39.18298    43.72771    53.17775    53.18172    53.42342
0   2.800E-06   2.586E-06   2.336E-06   1.866E-06   1.669E-06   1.400E-06   1.168E-06   9.332E-07   8.987E-07   8.912E-07
      53.427      53.467      66.919      67.228      73.817      74.661      76.115      78.711      78.762      78.774
    53.42738    53.46700    66.91894    67.22800    73.81727    74.66123    76.11539    78.71068    78.76218    78.77407
0   5.941E-07   5.599E-07   4.456E-07   4.100E-07   4.000E-07   2.971E-07   2.800E-07   2.733E-07   2.154E-07   2.050E-07
      79.004      81.908      82.475      82.483      84.095      86.334      87.039      87.257      87.269      88.192
    79.00388    81.90823    82.47483    82.48276    84.09541    86.33409    87.03938    87.25730    87.26919    88.19240
0   1.782E-07   1.555E-07   1.367E-07   1.273E-07   8.912E-08   8.200E-08   6.856E-08   5.857E-08   4.100E-08   3.154E-08
      90.720      90.724      94.057      94.901      95.221      99.057      99.073      99.838      99.988     100.000
    90.72033    90.72429    94.05656    94.90053    95.22147    99.05696    99.07281    99.83752    99.98809    99.99998
0          X/Q PERCENTILES
 (BASED ON THE UPPER ENVELOPE OF THE
 ORDERED X/Q-FREQUENCY VALUES, AND AS
 PLOTTED ON A LOG-NORMAL GRAPH.)
0 PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED
        CHI/Q      WITH RESPECT TO     WHEN THE WIND BLOWS
 SEC/CUBIC METER  THE TOTAL TIME      INTO THIS SECTOR ONLY

                                                   HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 4)=   4.323
                                                   HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 5)=   8.646
                                                   HANDCHECK GRAPH:  SLOPE LT -1.0 FOR LOW PERCENTAGES.  XSAVE( 6)=  18.606
     1.224E-04              1.000            1.000
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     9.006E-05              3.000              3.000
     6.285E-05              5.000              5.000
     3.470E-05             10.000             10.000
     2.233E-05             15.000             15.000
     1.607E-05             20.000             20.000
     1.275E-05             25.000             25.000
     1.036E-05             30.000             30.000
     8.537E-06             35.000             35.000
     6.934E-06             40.000             40.000
     5.671E-06             45.000             45.000
     4.654E-06             50.000             50.000
     3.820E-06             55.000             55.000
     3.124E-06             60.000             60.000
     2.538E-06             65.000             65.000
     2.097E-06             70.000             70.000
     1.738E-06             75.000             75.000
     1.410E-06             80.000             80.000
     1.106E-06             85.000             85.000
     8.139E-07             90.000             90.000
0    6.285E-05              5.0                5.00
1USNRC COMPUTER CODE-PAVAN, VERSION 2.0          RUN DATE: 12/17/2009

/PLANT NAME: SCE&G VCS U1  July20                METEOROLOGICAL INSTRUMENTATION
 DATA PERIOD: 03 - June2006 Ground               WIND SENSORS HEIGHT: 10-m
 TYPE OF RELEASE: -Level Release                 DELTA-T HEIGHTS: 10-m to 61-m
 SOURCE OF DATA: EAB=1609 m LPZ=4828 m
 COMMENTS: Accidental Releases
 PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145
0LOW POPULATION ZONE CALCULATIONS:
0FIVE PERCENT OVERALL SITE LIMIT
 BUILDING WAKE CREDIT IS NOT INCLUDED.
 CORRECTION FACTORS USED IN THE ANNUAL AVERAGE CALCULATIONS.
0BELOW ARE PRINTED THE ORDERED VALUES OF CHI/Q AND THE FREQUENCY WITH WHICH THAT VALUE IS REACHED OR EXCEEDED.
 THE TOP NUMBER IS THE CHI/Q.  THE MIDDLE NUMBER IS THE FREQUENCY NORMALIZED TO THIS SECTOR.
 THE THIRD NUMBER IS THE FREQUENCY WITH RESPECT TO ALL TIME.
0   1.412E-04   9.416E-05   7.568E-05   7.062E-05   5.045E-05   4.708E-05   3.784E-05   3.709E-05   3.531E-05   3.308E-05
         .012        .099        .111        .567        .674       2.940       3.265       3.277       4.664       7.049
       .01189      .09906      .11094      .56661      .67359     2.94001     3.26492     3.27680     4.66360     7.04890
0   2.626E-05   2.523E-05   2.473E-05   2.004E-05   1.952E-05   1.892E-05   1.854E-05   1.574E-05   1.301E-05   1.236E-05
        7.112       8.713       8.816       8.820       8.824      11.059      11.447      16.004      16.083      18.682
      7.11229     8.71306     8.81608     8.82004     8.82400    11.05873    11.44704    16.00366    16.08290    18.68216
0   1.146E-05   9.758E-06   9.272E-06   7.200E-06   6.505E-06   4.976E-06   4.879E-06   3.733E-06   3.694E-06   3.514E-06
       19.269      19.578      23.639      34.773      36.421      40.966      43.728      43.732      43.973      53.423
     19.26857    19.57763    23.63897    34.77297    36.42128    40.96602    43.72773    43.73170    43.97339    53.42343
0   2.800E-06   2.586E-06   2.282E-06   1.866E-06   1.669E-06   1.400E-06   1.168E-06   9.332E-07   8.987E-07   8.912E-07
       53.427      53.467      66.919      67.228      73.817      74.661      76.115      78.711      78.762      78.774
     53.42739    53.46701    66.91895    67.22798    73.81725    74.66123    76.11539    78.71068    78.76218    78.77406
0   5.941E-07   5.599E-07   4.456E-07   4.100E-07   4.000E-07   2.971E-07   2.800E-07   2.733E-07   2.154E-07   2.050E-07
       79.004      81.908      82.475      82.483      84.095      86.334      87.039      87.257      87.269      88.192
     79.00387    81.90820    82.47482    82.48273    84.09538    86.33408    87.03937    87.25729    87.26918    88.19238
0   1.782E-07   1.555E-07   1.367E-07   1.273E-07   8.912E-08   8.200E-08   6.856E-08   5.857E-08   4.100E-08   3.154E-08
       90.720      90.724      94.057      94.901      95.221      99.057      99.073      99.837      99.988     100.000
     90.72030    90.72426    94.05654    94.90049    95.22143    99.05692    99.07276    99.83747    99.98803    99.99991
0          X/Q PERCENTILES
 (BASED ON THE UPPER ENVELOPE OF THE
 ORDERED X/Q-FREQUENCY VALUES, AND AS
```

PLOTTED ON A LOG-NORMAL GRAPH.)

0 PERCENT OF TIME CHI/Q IS EQUALED OR EXCEEDED

HANDCHECK GRAPH: SLOPE LT -1.0 FOR LOW PERCENTAGES. XSAVE(5)= 16.005

	CHI/Q SEC/CUBIC METER	WITH RESPECT TO THE TOTAL TIME	WHEN THE WIND BLOWS INTO THIS SECTOR ONLY
	6.202E-05	1.000	1.000
	4.673E-05	3.000	3.000
	3.828E-05	5.000	5.000
	2.459E-05	10.000	10.000
	1.680E-05	15.000	15.000
	1.291E-05	20.000	20.000
	1.039E-05	25.000	25.000
	8.554E-06	30.000	30.000
	7.139E-06	35.000	35.000
	5.945E-06	40.000	40.000
	4.980E-06	45.000	45.000
	4.185E-06	50.000	50.000
	3.517E-06	55.000	55.000
	2.947E-06	60.000	60.000
	2.454E-06	65.000	65.000
	2.049E-06	70.000	70.000
	1.700E-06	75.000	75.000
	1.381E-06	80.000	80.000
	1.084E-06	85.000	85.000
	7.994E-07	90.000	90.000
0	3.828E-05	5.0	5.00

1USNRC COMPUTER CODE-PAVAN, VERSION 2.0 RUN DATE: 12/17/2009

/PLANT NAME: SCE&G VCS U1 July20
DATA PERIOD: 03 - June2006 Ground
TYPE OF RELEASE: -Level Release
SOURCE OF DATA: EAB=1609 m LPZ=4828 m
COMMENTS: Accidental Releases
PROGRAM: PAVAN, 10/76, 8/79 REVISION, IMPLEMENTATION OF REGULATORY GUIDE 1.145

METEOROLOGICAL INSTRUMENTATION
WIND SENSORS HEIGHT: 10-m
DELTA-T HEIGHTS: 10-m to 61-m

0 RELATIVE CONCENTRATION (X/Q) VALUES (SEC/CUBIC METER)
VERSUS
AVERAGING TIME

DOWNWIND SECTOR	DISTANCE (METERS)	0-2 HOURS	0-8 HOURS	8-24 HOURS	1-4 DAYS	4-30 DAYS	ANNUAL AVERAGE	HOURS PER YEAR MAX 0-2 HR X/Q IS EXCEEDED IN SECTOR	DOWNWIND SECTOR
S	4828.	8.00E-06	3.85E-06	2.67E-06	1.21E-06	3.88E-07	9.63E-08	.3	S
SSW	4828.	7.72E-06	3.82E-06	2.69E-06	1.25E-06	4.18E-07	1.09E-07	198.0	SSW
SW	4828.	7.11E-06	3.73E-06	2.70E-06	1.34E-06	4.92E-07	1.44E-07	.7	SW
WSW	4828.	6.52E-06	3.36E-06	2.41E-06	1.17E-06	4.17E-07	1.18E-07	1.3	WSW
W	4828.	8.70E-06	4.22E-06	2.94E-06	1.34E-06	4.33E-07	1.09E-07	1.1	W
WNW	4828.	7.86E-06	3.62E-06	2.45E-06	1.06E-06	3.16E-07	7.20E-08	1.7	WNW
NW	4828.	1.24E-05	5.74E-06	3.90E-06	1.69E-06	5.07E-07	1.16E-07	3.3	NW
NNW	4828.	2.86E-05	1.33E-05	9.12E-06	3.99E-06	1.22E-06	2.86E-07	5.4	NNW
N	4828.	3.90E-05	1.84E-05	1.27E-05	5.63E-06	1.76E-06	4.22E-07	18.6	N
NNE	4828.	3.94E-05	1.89E-05	1.31E-05	5.88E-06	1.87E-06	4.60E-07	19.2	NNE
NE	4828.	4.76E-05	2.33E-05	1.63E-05	7.48E-06	2.45E-06	6.28E-07	35.2	NE
ENE	4828.	5.06E-05	2.42E-05	1.68E-05	7.55E-06	2.40E-06	5.90E-07	43.7	ENE
E	4828.	4.96E-05	2.36E-05	1.62E-05	7.23E-06	2.27E-06	5.48E-07	40.9	E
ESE	4828.	3.41E-05	1.53E-05	1.02E-05	4.27E-06	1.22E-06	2.64E-07	17.9	ESE
SE	4828.	1.60E-05	7.33E-06	4.96E-06	2.12E-06	6.26E-07	1.41E-07	7.0	SE
SSE	4828.	7.68E-06	3.64E-06	2.50E-06	1.11E-06	3.48E-07	8.37E-08	2.0	SSE
MAX X/Q		5.06E-05				TOTAL HOURS AROUND SITE:		396.4	
SRP 2.3.4	4828.	6.28E-05	2.93E-05	2.01E-05	8.78E-06	2.68E-06	6.28E-07		
SITE LIMIT		3.83E-05	1.94E-05	1.38E-05	6.61E-06	2.29E-06	6.28E-07		

00.5 PERCENT X/Q TO AN INDIVIDUAL IS LIMITING.
0**NOTE**: VALUES ON THIS PAGE ARE APPROXIMATIONS ONLY.
CHECK THE REASONABLENESS OF THE ENVELOPES
COMPUTED FOR THE 0-2 HOUR VALUES. FOR ANY
FAULTY ENVELOPES, ADJUST THE ABOVE VALUES.

Attachment 3 Alternate Values

This attachment provides an alternate set of χ/Q values for the EAB and LPZ using

1. the original design values provided in the VC Summer FSAR Appendix 15A, Table 15A-3 (copy attached) and currently used in the VCS Unit 1 FSAR accident dose analyses and the AST LAR,

2. the values provided by the NRC in the VC Summer SER (Nureg-0717) excerpt attached.

The values from these two documents are summarized as follows.

χ/Q Values (sec/m^3)		
Time Period	**FSAR Appendix 15A, Table 15A-3**	**NUREG-0717**
	EAB	EAB
0 – 2 hours	4.08E-04	3.30E-04
	LPZ	LPZ
0 – 8 hours	2.37E-05	4.10E-05
8 - 24 hours	2.44E-06	2.60E-05
1 - 4 days	1.11E-06	1.00E-05
4 - 30 days	6.28E-07	2.60E-06

The following provides a bounding set based on the maximum values from the above table and compares it to the values calculated with PAVAN in the body of this calculation.

Time Period	**Bounding χ/Q Set**	**PAVAN**
	EAB per VCS FSAR	EAB
0 – 2 hours	4.08E-04	1.24E-04
	LPZ per NUREG-0717	LPZ
0 – 8 hours	4.10E-05	2.42E-05
8 - 24 hours	2.60E-05	1.68E-05
1 - 4 days	1.00E-05	7.55E-06
4 - 30 days	2.60E-06	2.40E-06

VCS FSAR Table:

TABLE 15A-3

ACCIDENT ATMOSPHERIC DILUTION FACTORS

Averaging Period (Hours)	(sec/m^3)	
	1 Mile	3 Miles
1	4.08×10^{-4}	1.01×10^{-4}
8	8.43×10^{-5}	2.37×10^{-5}
16	1.34×10^{-5}	2.44×10^{-6}
72	6.12×10^{-6}	1.11×10^{-6}
624	3.52×10^{-6}	6.28×10^{-7}

02-01

NUREG-0717

Safety Evaluation Report

related to the operation of
Virgil C. Summer Nuclear Station,
Unit No.1

Docket No.50-395

South Carolina Electric and Gas Company

U. S. Nuclear Regulatory Commission

Office of Nuclear Reactor Regulation

February 1981

2.3.4 Short-Term Diffusion Estimates

Conservative assessments of atmospheric diffusion conditions for assessing postulated accidental releases of radioactivity from buildings and vents have been based on the meteorological data collected by the applicant for the period 1975-1977 and appropriate diffusion models. In the evaluation of accidental releases from the facility buildings and vents, a ground-level release considering a building wake factor, cA, of 870 square meters was assumed. The relative concentration estimates at the exclusion area boundary and low population zone distances for the various time periods following a postulated accidental release were calculated using the diffusion models described in Regulatory Guide 1.145, "Atmospheric Dispersion Models for Potential Accident Consequence Assessments at Nuclear Power Plants," and Section 2.3.4 of the Standard Review Plan.

The relative concentration estimate for the 0-2 hour time period, which is exceeded no more than five percent of the time is estimated to be **3.3×10^{-4} seconds per cubic meter at the exclusion distance of 1.6 kilometers**. This relative concentration is equivalent to dispersion conditions produced by Pasquill type F stability with a wind speed of 0.7 meter per second.

The relative concentration estimated at the **low population zone distance (4.8 kilometers)** for the various time periods following a postulated accidental release are:

Time period	Relative concentration, seconds per cubic meter
0-8 hours	**4.1×10^{-5}**
8-24 hours	**2.6×10^{-5}**
1-4 days	**1.0×10^{-5}**
4-30 days	**2.6×10^{-5}**