

# GRUPO GERADOR DE EMERGÊNCIA 01 (G.01)

05/11/07

09:31:18

\*\*\* SCREEN3 MODEL RUN \*\*\*  
 \*\*\* VERSION DATED 96043 \*\*\*

C:\Lakes\ScreenView\Tutorial\gerador 1

SIMPLE TERRAIN INPUTS:

SOURCE TYPE = POINT  
 EMISSION RATE (G/S) = 1.58000  
 STACK HEIGHT (M) = 8.0000  
 STK INSIDE DIAM (M) = .1080  
 STK EXIT VELOCITY (M/S) = 12.3900  
 STK GAS EXIT TEMP (K) = 763.0000  
 AMBIENT AIR TEMP (K) = 293.0000  
 RECEPTOR HEIGHT (M) = 2.0000  
 URBAN/RURAL OPTION = URBAN  
 BUILDING HEIGHT (M) = .0000  
 MIN HORIZ BLDG DIM (M) = .0000  
 MAX HORIZ BLDG DIM (M) = .0000

THE REGULATORY (DEFAULT) MIXING HEIGHT OPTION WAS SELECTED.  
 THE REGULATORY (DEFAULT) ANEMOMETER HEIGHT OF 10.0 METERS WAS ENTERED.

BUOY. FLUX = .218 M\*\*4/S\*\*3; MOM. FLUX = .172 M\*\*4/S\*\*2.

\*\*\* FULL METEOROLOGY \*\*\*

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 \*\*\* SCREEN AUTOMATED DISTANCES \*\*\*  
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\*\*\* TERRAIN HEIGHT OF 0. M ABOVE STACK BASE USED FOR FOLLOWING DISTANCES \*\*\*

DIST (M)	CONC (UG/M**3)	STAB	U10M (M/S)	USTK (M/S)	MIX HT (M)	PLUME HT (M)	SIGMA Y (M)	SIGMA Z (M)	DWASH
5.	.2596E-03	2	5.0	5.0	1600.0	9.37	1.61	1.21	NO
100.	1296.	4	1.0	1.0	320.0	14.84	15.81	13.93	NO
200.	514.5	4	1.0	1.0	320.0	14.84	30.85	27.27	NO
300.	418.8	6	1.0	1.0	10000.0	22.85	31.47	20.38	NO
400.	320.8	6	1.0	1.0	10000.0	22.85	41.07	25.65	NO
500.	246.8	6	1.0	1.0	10000.0	22.85	50.39	30.53	NO
600.	195.0	6	1.0	1.0	10000.0	22.85	59.42	35.08	NO
700.	158.2	6	1.0	1.0	10000.0	22.85	68.19	39.34	NO
800.	131.5	6	1.0	1.0	10000.0	22.85	76.71	43.36	NO
900.	111.5	6	1.0	1.0	10000.0	22.85	85.00	47.16	NO
1000.	96.13	6	1.0	1.0	10000.0	22.85	93.06	50.77	NO
1100.	84.05	6	1.0	1.0	10000.0	22.85	100.92	54.22	NO
1200.	74.37	6	1.0	1.0	10000.0	22.85	108.59	57.53	NO
1300.	66.47	6	1.0	1.0	10000.0	22.85	116.07	60.70	NO
1400.	59.94	6	1.0	1.0	10000.0	22.85	123.37	63.75	NO
1500.	54.46	6	1.0	1.0	10000.0	22.85	130.51	66.70	NO
1600.	49.81	6	1.0	1.0	10000.0	22.85	137.50	69.55	NO
1700.	45.83	6	1.0	1.0	10000.0	22.85	144.34	72.31	NO
1800.	42.38	6	1.0	1.0	10000.0	22.85	151.03	74.98	NO
1900.	39.38	6	1.0	1.0	10000.0	22.85	157.60	77.58	NO
2000.	36.74	6	1.0	1.0	10000.0	22.85	164.03	80.11	NO
2100.	34.40	6	1.0	1.0	10000.0	22.85	170.35	82.58	NO
2200.	32.32	6	1.0	1.0	10000.0	22.85	176.55	84.98	NO
2300.	30.46	6	1.0	1.0	10000.0	22.85	182.64	87.33	NO
2400.	28.79	6	1.0	1.0	10000.0	22.85	188.62	89.62	NO
2500.	27.28	6	1.0	1.0	10000.0	22.85	194.50	91.86	NO
2600.	25.91	6	1.0	1.0	10000.0	22.85	200.29	94.06	NO
2700.	24.67	6	1.0	1.0	10000.0	22.85	205.98	96.21	NO
2800.	23.53	6	1.0	1.0	10000.0	22.85	211.58	98.32	NO

2900.	22.48	6	1.0	1.0	10000.0	22.85	217.09	100.39	NO
3000.	21.52	6	1.0	1.0	10000.0	22.85	222.53	102.42	NO
3500.	17.68	6	1.0	1.0	10000.0	22.85	248.55	112.08	NO
4000.	14.96	6	1.0	1.0	10000.0	22.85	272.91	121.02	NO
4500.	12.93	6	1.0	1.0	10000.0	22.85	295.85	129.39	NO
5000.	11.38	6	1.0	1.0	10000.0	22.85	317.57	137.26	NO

MAXIMUM 1-HR CONCENTRATION AT OR BEYOND 5. M:  
50. 1577. 3 1.0 1.0 320.0 14.84 11.28 10.39 NO

DWASH= MEANS NO CALC MADE (CONC = 0.0)  
DWASH=NO MEANS NO BUILDING DOWNWASH USED  
DWASH=HS MEANS HUBER-SNYDER DOWNWASH USED  
DWASH=SS MEANS SCHULMAN-SCIRE DOWNWASH USED  
DWASH=NA MEANS DOWNWASH NOT APPLICABLE, X<3\*LB

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\*\*\* SUMMARY OF SCREEN MODEL RESULTS \*\*\*  
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CALCULATION PROCEDURE	MAX CONC (UG/M**3)	DIST TO MAX (M)	TERRAIN HT (M)
----- SIMPLE TERRAIN	----- 1577.	----- 50.	----- 0.

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\*\* REMEMBER TO INCLUDE BACKGROUND CONCENTRATIONS \*\*  
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