

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

Hammermill no downwash

SIMPLE TERRAIN INPUTS:

SOURCE TYPE = POINT
 EMISSION RATE (G/S) = 0.143600
 STACK HEIGHT (M) = 2.4384
 STK INSIDE DIAM (M) = 0.3962
 STK EXIT VELOCITY (M/S) = 31.3836
 STK GAS EXIT TEMP (K) = 293.1500
 AMBIENT AIR TEMP (K) = 293.1500
 RECEPTOR HEIGHT (M) = 0.0000
 URBAN/RURAL OPTION = RURAL
 BUILDING HEIGHT (M) = 0.0000
 MIN HORIZ BLDG DIM (M) = 0.0000
 MAX HORIZ BLDG DIM (M) = 0.0000

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

BUOY. FLUX = 0.000 M**4/S**3; MOM. FLUX = 38.652 M**4/S**2.

*** FULL METEOROLOGY ***

 *** SCREEN AUTOMATED DISTANCES ***

*** 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
69.	54.32	4	15.0	15.0	4800.0	4.93	5.82	3.42	NO
100.	50.23	4	10.0	10.0	3200.0	6.17	8.27	4.77	NO
200.	38.00	5	5.0	5.0	10000.0	9.90	11.82	6.59	NO
300.	37.97	5	1.0	1.0	10000.0	19.59	17.59	9.98	NO
400.	43.77	5	1.0	1.0	10000.0	19.59	22.55	11.87	NO
500.	43.75	5	1.0	1.0	10000.0	19.59	27.46	13.71	NO
600.	47.08	6	1.0	1.0	10000.0	18.06	21.70	10.66	NO
700.	48.33	6	1.0	1.0	10000.0	18.06	24.86	11.81	NO
800.	47.08	6	1.0	1.0	10000.0	18.06	27.99	12.78	NO
900.	45.06	6	1.0	1.0	10000.0	18.06	31.10	13.73	NO

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1000.	42.70	6	1.0	1.0	10000.0	18.06	34.18	14.65	NO
1100.	40.15	6	1.0	1.0	10000.0	18.06	37.23	15.48	NO
1200.	37.69	6	1.0	1.0	10000.0	18.06	40.26	16.28	NO
1300.	35.36	6	1.0	1.0	10000.0	18.06	43.27	17.06	NO
1400.	33.18	6	1.0	1.0	10000.0	18.06	46.26	17.83	NO
1500.	31.16	6	1.0	1.0	10000.0	18.06	49.23	18.57	NO
1600.	29.29	6	1.0	1.0	10000.0	18.06	52.19	19.30	NO
1700.	27.57	6	1.0	1.0	10000.0	18.06	55.12	20.02	NO
1800.	26.00	6	1.0	1.0	10000.0	18.06	58.04	20.72	NO
1900.	24.55	6	1.0	1.0	10000.0	18.06	60.94	21.41	NO
2000.	23.21	6	1.0	1.0	10000.0	18.06	63.83	22.08	NO
2100.	22.01	6	1.0	1.0	10000.0	18.06	66.71	22.65	NO
2200.	20.91	6	1.0	1.0	10000.0	18.06	69.57	23.21	NO
2300.	19.90	6	1.0	1.0	10000.0	18.06	72.42	23.76	NO
2400.	18.96	6	1.0	1.0	10000.0	18.06	75.25	24.30	NO
2500.	18.10	6	1.0	1.0	10000.0	18.06	78.08	24.83	NO
2600.	17.30	6	1.0	1.0	10000.0	18.06	80.89	25.35	NO
2700.	16.55	6	1.0	1.0	10000.0	18.06	83.69	25.86	NO
2800.	15.86	6	1.0	1.0	10000.0	18.06	86.48	26.36	NO
2900.	15.21	6	1.0	1.0	10000.0	18.06	89.26	26.86	NO
3000.	14.60	6	1.0	1.0	10000.0	18.06	92.03	27.34	NO
3500.	12.19	6	1.0	1.0	10000.0	18.06	105.75	29.32	NO
4000.	10.40	6	1.0	1.0	10000.0	18.06	119.25	31.16	NO
4500.	9.018	6	1.0	1.0	10000.0	18.06	132.58	32.88	NO
5000.	7.927	6	1.0	1.0	10000.0	18.06	145.74	34.50	NO
5500.	7.047	6	1.0	1.0	10000.0	18.06	158.75	36.03	NO
6000.	6.324	6	1.0	1.0	10000.0	18.06	171.64	37.50	NO
6500.	5.721	6	1.0	1.0	10000.0	18.06	184.40	38.90	NO
7000.	5.211	6	1.0	1.0	10000.0	18.06	197.04	40.25	NO
7500.	4.789	6	1.0	1.0	10000.0	18.06	209.59	41.40	NO
8000.	4.424	6	1.0	1.0	10000.0	18.06	222.03	42.52	NO
8500.	4.106	6	1.0	1.0	10000.0	18.06	234.38	43.59	NO
9000.	3.826	6	1.0	1.0	10000.0	18.06	246.65	44.62	NO
9500.	3.579	6	1.0	1.0	10000.0	18.06	258.83	45.63	NO
10000.	3.358	6	1.0	1.0	10000.0	18.06	270.94	46.60	NO
15000.	2.025	6	1.0	1.0	10000.0	18.06	388.45	55.07	NO
20000.	1.443	6	1.0	1.0	10000.0	18.06	500.97	60.46	NO
25000.	1.109	6	1.0	1.0	10000.0	18.06	609.77	65.01	NO
30000.	0.8948	6	1.0	1.0	10000.0	18.06	715.60	68.98	NO
40000.	0.6464	6	1.0	1.0	10000.0	18.06	920.23	74.62	NO
50000.	0.5025	6	1.0	1.0	10000.0	18.06	1117.43	79.32	NO

MAXIMUM 1-HR CONCENTRATION AT OR BEYOND 69. M:
 69. 54.32 4 15.0 15.0 4800.0 4.93 5.82 3.42 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

*** SUMMARY OF SCREEN MODEL RESULTS ***

CALCULATION PROCEDURE	MAX CONC (UG/M**3)	DIST TO MAX (M)	TERRAIN HT (M)
----- SIMPLE TERRAIN	----- 54.32	----- 69.	----- 0.

