

08/24/10

21:24:11

*** SCREEN3 MODEL RUN ***

*** VERSION DATED 96043 ***

C:\BDS\Relative Resources\Battery\Screen output\AntlerRiver229228.scr

SIMPLE TERRAIN INPUTS:

SOURCE TYPE = POINT
EMISSION RATE (G/S) = 0.251846E-01
STACK HEIGHT (M) = 16.0000
STK INSIDE DIAM (M) = 0.0762
STK EXIT VELOCITY (M/S)= 0.2589
STK GAS EXIT TEMP (K) = 293.0000
AMBIENT AIR TEMP (K) = 293.0000
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 = 0.000 M**4/S**2.

*** FULL METEOROLOGY ***

*** SCREEN AUTOMATED DISTANCES ***

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

DIST	CONC	U10M	USTK	MIX HT	PLUME	SIGMA	SIGMA	
(M)	(UG/M**3)	STAB (M/S)	(M/S)	(M)	HT (M)	Y (M)	Z (M)	DWASH

1.	0.000	1	1.0	1.0	320.0	15.87	0.41	0.18	NO
100.	12.40	2	1.0	1.0	320.0	15.87	19.27	10.60	NO
200.	12.18	3	1.0	1.0	320.0	15.87	23.62	14.03	NO
300.	11.56	4	1.0	1.1	320.0	15.86	22.61	12.09	NO
400.	9.751	5	1.0	1.2	10000.0	15.86	22.01	10.81	NO
500.	9.132	5	1.0	1.2	10000.0	15.86	27.02	12.80	NO
600.	8.098	5	1.0	1.2	10000.0	15.86	31.93	14.69	NO
700.	8.095	6	1.0	1.3	10000.0	15.85	24.46	10.93	NO
800.	7.793	6	1.0	1.3	10000.0	15.85	27.63	11.98	NO
900.	7.355	6	1.0	1.3	10000.0	15.85	30.78	12.98	NO
1000.	6.870	6	1.0	1.3	10000.0	15.85	33.88	13.95	NO
1100.	6.380	6	1.0	1.3	10000.0	15.85	36.96	14.82	NO

1200.	5.920	6	1.0	1.3	10000.0	15.85	40.01	15.66	NO
1300.	5.496	6	1.0	1.3	10000.0	15.85	43.04	16.47	NO
1400.	5.110	6	1.0	1.3	10000.0	15.85	46.05	17.26	NO
1500.	4.759	6	1.0	1.3	10000.0	15.85	49.03	18.03	NO
1600.	4.441	6	1.0	1.3	10000.0	15.85	51.99	18.78	NO
1700.	4.152	6	1.0	1.3	10000.0	15.85	54.94	19.52	NO
1800.	3.890	6	1.0	1.3	10000.0	15.85	57.87	20.23	NO
1900.	3.653	6	1.0	1.3	10000.0	15.85	60.78	20.94	NO
2000.	3.437	6	1.0	1.3	10000.0	15.85	63.68	21.63	NO
2100.	3.247	6	1.0	1.3	10000.0	15.85	66.56	22.21	NO
2200.	3.073	6	1.0	1.3	10000.0	15.85	69.42	22.78	NO
2300.	2.914	6	1.0	1.3	10000.0	15.85	72.28	23.34	NO
2400.	2.768	6	1.0	1.3	10000.0	15.85	75.12	23.89	NO
2500.	2.634	6	1.0	1.3	10000.0	15.85	77.95	24.42	NO
2600.	2.511	6	1.0	1.3	10000.0	15.85	80.76	24.95	NO
2700.	2.396	6	1.0	1.3	10000.0	15.85	83.57	25.47	NO
2800.	2.291	6	1.0	1.3	10000.0	15.85	86.36	25.98	NO
2900.	2.192	6	1.0	1.3	10000.0	15.85	89.15	26.48	NO
3000.	2.101	6	1.0	1.3	10000.0	15.85	91.92	26.98	NO

MAXIMUM 1-HR CONCENTRATION AT OR BEYOND 1. M:

156.	13.30	3	1.0	1.0	320.0	15.87	18.90	11.24	NO
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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 MAX CONC DIST TO TERRAIN

PROCEDURE (UG/M**3) MAX (M) HT (M)

SIMPLE TERRAIN 13.30 156. 0.

** REMEMBER TO INCLUDE BACKGROUND CONCENTRATIONS **
