

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

C:\BDS\Black Gold\BG.scr

SIMPLE TERRAIN INPUTS:

SOURCE TYPE = POINT
 EMISSION RATE (G/S) = 0.450441E-03
 STACK HEIGHT (M) = 6.0000
 STK INSIDE DIAM (M) = 0.0762
 STK EXIT VELOCITY (M/S) = 0.0228
 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 (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
1.	0.000	1	1.0	1.0	320.0	5.78	0.41	0.18	NO
100.	1.739	5	1.0	1.0	10000.0	5.78	6.12	3.53	NO
200.	1.672	6	1.0	1.0	10000.0	5.78	7.73	4.09	NO
300.	1.338	6	1.0	1.0	10000.0	5.78	11.23	5.62	NO
400.	0.9930	6	1.0	1.0	10000.0	5.78	14.64	7.05	NO
500.	0.7500	6	1.0	1.0	10000.0	5.78	17.97	8.40	NO
600.	0.5834	6	1.0	1.0	10000.0	5.78	21.24	9.69	NO
700.	0.4664	6	1.0	1.0	10000.0	5.78	24.46	10.93	NO
800.	0.3856	6	1.0	1.0	10000.0	5.78	27.63	11.98	NO
900.	0.3250	6	1.0	1.0	10000.0	5.78	30.78	12.98	NO
1000.	0.2783	6	1.0	1.0	10000.0	5.78	33.88	13.95	NO
1100.	0.2426	6	1.0	1.0	10000.0	5.78	36.96	14.82	NO
1200.	0.2138	6	1.0	1.0	10000.0	5.78	40.01	15.66	NO
1300.	0.1902	6	1.0	1.0	10000.0	5.78	43.04	16.47	NO

1400.	0.1706	6	1.0	1.0	10000.0	5.78	46.05	17.26	NO
1500.	0.1541	6	1.0	1.0	10000.0	5.78	49.03	18.03	NO
1600.	0.1400	6	1.0	1.0	10000.0	5.78	51.99	18.78	NO
1700.	0.1280	6	1.0	1.0	10000.0	5.78	54.94	19.52	NO
1800.	0.1176	6	1.0	1.0	10000.0	5.78	57.87	20.23	NO
1900.	0.1085	6	1.0	1.0	10000.0	5.78	60.78	20.94	NO
2000.	0.1005	6	1.0	1.0	10000.0	5.78	63.68	21.63	NO
2100.	0.9376E-01	6	1.0	1.0	10000.0	5.78	66.56	22.21	NO
2200.	0.8779E-01	6	1.0	1.0	10000.0	5.78	69.42	22.78	NO
2300.	0.8243E-01	6	1.0	1.0	10000.0	5.78	72.28	23.34	NO
2400.	0.7760E-01	6	1.0	1.0	10000.0	5.78	75.12	23.89	NO
2500.	0.7323E-01	6	1.0	1.0	10000.0	5.78	77.95	24.42	NO
2600.	0.6926E-01	6	1.0	1.0	10000.0	5.78	80.76	24.95	NO
2700.	0.6565E-01	6	1.0	1.0	10000.0	5.78	83.57	25.47	NO
2800.	0.6234E-01	6	1.0	1.0	10000.0	5.78	86.36	25.98	NO
2900.	0.5930E-01	6	1.0	1.0	10000.0	5.78	89.15	26.48	NO
3000.	0.5651E-01	6	1.0	1.0	10000.0	5.78	91.92	26.98	NO

MAXIMUM 1-HR CONCENTRATION AT OR BEYOND 1. M:
52. 1.899 3 1.0 1.0 320.0 5.78 6.92 4.16 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	----- 1.899	----- 52.	----- 0.

** REMEMBER TO INCLUDE BACKGROUND CONCENTRATIONS **
