

08/01/19
15:53:12

*** SCREEN3 MODEL RUN ***
*** VERSION DATED 13043 ***

C:\Users\drennie\Documents\Engineering\Screen3 View\Models\02-27 Battery - 0716

SIMPLE TERRAIN INPUTS:

SOURCE TYPE = FLARE
EMISSION RATE (G/S) = 0.741267
FLARE STACK HEIGHT (M) = 12.2000
TOT HEAT RLS (CAL/S) = 54880.0
RECEPTOR HEIGHT (M) = 0.0000
URBAN/RURAL OPTION = RURAL
EFF RELEASE HEIGHT (M) = 13.0402
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 = 0.910 M**4/S**3; MOM. FLUX = 0.555 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
5.	0.000	1	1.0	1.0	320.0	32.63	2.20	1.51	NO
100.	83.12	1	2.0	2.0	640.0	22.84	27.00	14.23	NO
200.	95.21	3	2.0	2.1	640.0	22.76	23.78	14.30	NO
300.	97.39	3	1.5	1.5	480.0	26.00	34.49	20.66	NO
400.	91.78	3	1.0	1.0	320.0	32.48	44.99	27.02	NO
500.	85.55	4	1.5	1.6	480.0	25.83	36.33	18.66	NO
600.	81.48	4	1.0	1.0	320.0	32.22	43.07	21.91	NO
700.	79.10	4	1.0	1.0	320.0	32.22	49.49	24.65	NO
800.	74.15	4	1.0	1.0	320.0	32.22	55.84	27.34	NO
900.	68.32	4	1.0	1.0	320.0	32.22	62.13	29.97	NO
1000.	62.44	4	1.0	1.0	320.0	32.22	68.35	32.56	NO
1100.	57.01	4	1.0	1.0	320.0	32.22	74.51	34.56	NO
1200.	52.18	4	1.0	1.0	320.0	32.22	80.63	36.51	NO
1300.	47.90	4	1.0	1.0	320.0	32.22	86.69	38.39	NO
1400.	44.11	4	1.0	1.0	320.0	32.22	92.71	40.23	NO
1500.	40.74	4	1.0	1.0	320.0	32.22	98.69	42.03	NO
1600.	38.64	6	1.0	1.2	10000.0	35.81	52.40	19.88	NO
1700.	39.39	6	1.0	1.2	10000.0	35.81	55.32	20.57	NO
1800.	39.86	6	1.0	1.2	10000.0	35.81	58.23	21.25	NO
1900.	40.10	6	1.0	1.2	10000.0	35.81	61.13	21.92	NO
2000.	40.14	6	1.0	1.2	10000.0	35.81	64.01	22.58	NO
2100.	39.81	6	1.0	1.2	10000.0	35.81	66.87	23.14	NO
2200.	39.39	6	1.0	1.2	10000.0	35.81	69.73	23.69	NO
2300.	38.91	6	1.0	1.2	10000.0	35.81	72.57	24.23	NO
2400.	38.38	6	1.0	1.2	10000.0	35.81	75.40	24.76	NO
2500.	37.81	6	1.0	1.2	10000.0	35.81	78.22	25.28	NO
2600.	37.22	6	1.0	1.2	10000.0	35.81	81.03	25.79	NO
2700.	36.60	6	1.0	1.2	10000.0	35.81	83.82	26.29	NO
2800.	35.97	6	1.0	1.2	10000.0	35.81	86.61	26.78	NO
2900.	35.33	6	1.0	1.2	10000.0	35.81	89.39	27.27	NO
3000.	34.68	6	1.0	1.2	10000.0	35.81	92.15	27.75	NO

MAXIMUM 1-HR CONCENTRATION AT OR BEYOND 5. M:
260. 100.2 3 1.5 1.5 480.0 26.00 30.40 18.28 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	100.2	260.	0.

** REMEMBER TO INCLUDE BACKGROUND CONCENTRATIONS **
