07/23/10

09:36:57
  *** SCREEN3 MODEL RUN ***
  *** VERSION DATED 96043 ***

 C:\BDS\Relative Resources\Battery\Screen output\2-18-9-28july22.scr

 SIMPLE TERRAIN INPUTS:
    SOURCE TYPE   =   POINT
    EMISSION RATE (G/S)   =   0.165041E-01
    STACK HEIGHT (M)   =   13.0000
    STK INSIDE DIAM (M)   =   0.0762
    STK EXIT VELOCITY (M/S)=   0.3807
    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 ***
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 *** 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   12.91   0.41   0.18   NO
    100.   12.25   3   1.0   1.0   320.0   12.91   12.46   7.44   NO
    200.   12.04   4   1.0   1.0   320.0   12.91   15.56   8.50   NO
    300.   10.85   5   1.0   1.1 10000.0   12.90   16.89   8.70   NO

400.	9.879	5	1.0	1.1	10000.0	12.90	22.01	10.81 NO
500.	9.265	6	1.0	1.2	10000.0	12.90	17.97	8.40 NO
600.	9.111	6	1.0	1.2	10000.0	12.90	21.24	9.69 NO
700.	8.481	6	1.0	1.2	10000.0	12.90	24.46	10.93 NO
800.	7.694	6	1.0	1.2	10000.0	12.90	27.63	11.98 NO
900.	6.949	6	1.0	1.2	10000.0	12.90	30.78	12.98 NO
1000.	6.275	6	1.0	1.2	10000.0	12.90	33.88	13.95 NO
1100.	5.685	6	1.0	1.2	10000.0	12.90	36.96	14.82 NO
1200.	5.170	6	1.0	1.2	10000.0	12.90	40.01	15.66 NO
1300.	4.721	6	1.0	1.2	10000.0	12.90	43.04	16.47 NO
1400.	4.328	6	1.0	1.2	10000.0	12.90	46.05	17.26 NO
1500.	3.983	6	1.0	1.2	10000.0	12.90	49.03	18.03 NO
1600.	3.679	6	1.0	1.2	10000.0	12.90	51.99	18.78 NO
1700.	3.409	6	1.0	1.2	10000.0	12.90	54.94	19.52 NO
1800.	3.170	6	1.0	1.2	10000.0	12.90	57.87	20.23 NO
1900.	2.956	6	1.0	1.2	10000.0	12.90	60.78	20.94 NO
2000.	2.764	6	1.0	1.2	10000.0	12.90	63.68	21.63 NO
2100.	2.599	6	1.0	1.2	10000.0	12.90	66.56	22.21 NO
2200.	2.450	6	1.0	1.2	10000.0	12.90	69.42	22.78 NO
2300.	2.314	6	1.0	1.2	10000.0	12.90	72.28	23.34 NO
2400.	2.191	6	1.0	1.2	10000.0	12.90	75.12	23.89 NO
2500.	2.078	6	1.0	1.2	10000.0	12.90	77.95	24.42 NO
2600.	1.974	6	1.0	1.2	10000.0	12.90	80.76	24.95 NO
2700.	1.879	6	1.0	1.2	10000.0	12.90	83.57	25.47 NO
2800.	1.792	6	1.0	1.2	10000.0	12.90	86.36	25.98 NO
2900.	1.711	6	1.0	1.2	10000.0	12.90	89.15	26.48 NO

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   3000.   1.636        6     1.0    1.2 10000.0   12.90   91.92
26.98    NO

 MAXIMUM 1-HR CONCENTRATION AT OR BEYOND     1. M:
    125.   13.46        3     1.0    1.0   320.0   12.91   15.43
9.19    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        MAX CONC    DIST TO   TERRAIN
   PROCEDURE        (UG/M**3)    MAX (M)    HT (M)
 -------------    -----------   -------   -------
 SIMPLE TERRAIN      13.46          125.        0.


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 ** REMEMBER TO INCLUDE BACKGROUND CONCENTRATIONS **
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