07/22/01
20:34:56

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

GWF Tracy OCA -- Ammonia Unloading Accident (F, 1 m/s)

SIMPLE TERRAIN INPUTS:
   SOURCE TYPE                =        AREA
   EMISSION RATE (G/(S-M**2)) =     1.00000
   SOURCE HEIGHT (M)          =       .0000
   LENGTH OF LARGER SIDE (M)  =       .2252
   LENGTH OF SMALLER SIDE (M) =       .2252
   RECEPTOR HEIGHT (M)        =       .0000
   URBAN/RURAL OPTION         =       RURAL
THE REGULATORY (DEFAULT) MIXING HEIGHT OPTION WAS SELECTED.
THE REGULATORY (DEFAULT) ANEMOMETER HEIGHT OF 10.0 METERS WAS ENTERED.

   MODEL ESTIMATES DIRECTION TO MAX CONCENTRATION


BUOY. FLUX =     .000 M**4/S**3;  MOM. FLUX =     .000 M**4/S**2.

*** STABILITY CLASS  6 ONLY ***
*** ANEMOMETER HEIGHT WIND SPEED OF   1.00 M/S ONLY ***

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*** SCREEN AUTOMATED DISTANCES ***
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*** TERRAIN HEIGHT OF    0. M ABOVE STACK BASE USED FOR FOLLOWING DISTANCES ***
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DIST (M)	CONC (UG/M**3)	STAB	U10M (M/S)	USTK (M/S)	MIX HT (M)	PLUME HT (M)	MAX DIR (DEG)
1.	.1426E+07	6	1.0	1.0	10000.0	.00	45.
100.	1702.	6	1.0	1.0	10000.0	.00	43.
200.	509.2	6	1.0	1.0	10000.0	.00	33.
300.	254.9	6	1.0	1.0	10000.0	.00	31.
400.	156.1	6	1.0	1.0	10000.0	.00	38.
500.	106.8	6	1.0	1.0	10000.0	.00	36.
600.	78.34	6	1.0	1.0	10000.0	.00	38.
700.	60.30	6	1.0	1.0	10000.0	.00	38.
800.	48.68	6	1.0	1.0	10000.0	.00	38.
900.	40.33	6	1.0	1.0	10000.0	.00	38.
1000.	34.08	6	1.0	1.0	10000.0	.00	35.
1100.	29.43	6	1.0	1.0	10000.0	.00	41.
1200.	25.72	6	1.0	1.0	10000.0	.00	33.
1300.	22.73	6	1.0	1.0	10000.0	.00	33.
1400.	20.28	6	1.0	1.0	10000.0	.00	41.
1500.	18.23	6	1.0	1.0	10000.0	.00	33.
1600.	16.51	6	1.0	1.0	10000.0	.00	41.
1700.	15.03	6	1.0	1.0	10000.0	.00	33.
1800.	13.76	6	1.0	1.0	10000.0	.00	33.
1900.	12.67	6	1.0	1.0	10000.0	.00	41.
2000.	11.71	6	1.0	1.0	10000.0	.00	35.
2100.	10.91	6	1.0	1.0	10000.0	.00	35.

2200.	10.20	6	1.0	1.0	10000.0	.00	31.
2300.	9.565	6	1.0	1.0	10000.0	.00	31.
2400.	8.988	6	1.0	1.0	10000.0	.00	35.
2500.	8.471	6	1.0	1.0	10000.0	.00	35.
2600.	8.003	6	1.0	1.0	10000.0	.00	35.
2700.	7.582	6	1.0	1.0	10000.0	.00	31.
2800.	7.192	6	1.0	1.0	10000.0	.00	31.
2900.	6.831	6	1.0	1.0	10000.0	.00	35.
3000.	6.503	6	1.0	1.0	10000.0	.00	38.
3500.	5.267	6	1.0	1.0	10000.0	.00	35.
4000.	4.389	6	1.0	1.0	10000.0	.00	35.
4500.	3.742	6	1.0	1.0	10000.0	.00	40.
5000.	3.241	6	1.0	1.0	10000.0	.00	40.

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

1.	.2609E+07	6	1.0	1.0	10000.0	.00	42.

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*** SCREEN DISCRETE DISTANCES ***
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*** 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)	MAX DIR (DEG)
5.	.3116E+06	6	1.0	1.0	10000.0	.00	44.
10.	.9461E+05	6	1.0	1.0	10000.0	.00	41.
15.	.4672E+05	6	1.0	1.0	10000.0	.00	42.
20.	.2827E+05	6	1.0	1.0	10000.0	.00	31.
25.	.1914E+05	6	1.0	1.0	10000.0	.00	31.
30.	.1392E+05	6	1.0	1.0	10000.0	.00	31.
35.	.1063E+05	6	1.0	1.0	10000.0	.00	31.
40.	8421.	6	1.0	1.0	10000.0	.00	39.
50.	5703.	6	1.0	1.0	10000.0	.00	31.
60.	4148.	6	1.0	1.0	10000.0	.00	31.
70.	3170.	6	1.0	1.0	10000.0	.00	43.
80.	2511.	6	1.0	1.0	10000.0	.00	39.
90.	2045.	6	1.0	1.0	10000.0	.00	39.
110.	1442.	6	1.0	1.0	10000.0	.00	39.
120.	1239.	6	1.0	1.0	10000.0	.00	43.
130.	1078.	6	1.0	1.0	10000.0	.00	39.
140.	947.1	6	1.0	1.0	10000.0	.00	39.
150.	839.9	6	1.0	1.0	10000.0	.00	39.
160.	750.7	6	1.0	1.0	10000.0	.00	39.
170.	675.5	6	1.0	1.0	10000.0	.00	39.
180.	611.6	6	1.0	1.0	10000.0	.00	39.
190.	556.7	6	1.0	1.0	10000.0	.00	39.
225.	416.4	6	1.0	1.0	10000.0	.00	39.
250.	347.9	6	1.0	1.0	10000.0	.00	31.
275.	295.7	6	1.0	1.0	10000.0	.00	38.
325.	222.4	6	1.0	1.0	10000.0	.00	31.
350.	196.0	6	1.0	1.0	10000.0	.00	38.
375.	174.3	6	1.0	1.0	10000.0	.00	31.
425.	140.8	6	1.0	1.0	10000.0	.00	31.
450.	127.8	6	1.0	1.0	10000.0	.00	31.
475.	116.5	6	1.0	1.0	10000.0	.00	38.

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*** SUMMARY OF SCREEN MODEL RESULTS ***
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 CALCULATION        MAX CONC    DIST TO   TERRAIN
  PROCEDURE        (UG/M**3)    MAX (M)    HT (M)
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SIMPLE TERRAIN      .2609E+07        1.        0.


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** REMEMBER TO INCLUDE BACKGROUND CONCENTRATIONS **
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