

Fire Sky Energy Inc 03-23-012-27W1 Battery

10/19/16
17:07:36

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

C:\Lakes\Screen View\Fire Sky Energy Inc.scr

SIMPLE TERRAIN INPUTS:

SOURCE TYPE = FLARE
EMISSION RATE (G/S) = 1.08975
FLARE STACK HEIGHT (M) = 12.0000
TOT HEAT RLS (CAL/S) = 76762.0
RECEPTOR HEIGHT (M) = 0.0000
URBAN/RURAL OPTION = RURAL
EFF RELEASE HEIGHT (M) = 12.9864
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 = 1.273 M**4/S**3; MOM. FLUX = 0.776 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	38.19	0.82	0.73	NO
100.	95.38	1	2.5	2.5	800.0	23.07	27.01	14.24	NO
200.	109.3	3	2.5	2.6	800.0	22.99	23.79	14.32	NO
300.	113.6	3	1.5	1.5	480.0	29.66	34.62	20.88	NO
400.	104.3	3	1.0	1.0	320.0	38.00	45.22	27.39	NO
500.	97.83	4	2.0	2.1	640.0	25.33	36.32	18.63	NO
600.	95.07	4	1.5	1.6	480.0	29.44	42.98	21.73	NO
700.	89.20	4	1.5	1.6	480.0	29.44	49.41	24.49	NO
800.	85.24	4	1.0	1.0	320.0	37.67	56.02	27.70	NO
900.	81.59	4	1.0	1.0	320.0	37.67	62.28	30.30	NO
1000.	76.81	4	1.0	1.0	320.0	37.67	68.49	32.86	NO
1100.	71.48	4	1.0	1.0	320.0	37.67	74.64	34.85	NO
1200.	66.46	4	1.0	1.0	320.0	37.67	80.75	36.77	NO
1300.	61.82	4	1.0	1.0	320.0	37.67	86.81	38.65	NO
1400.	57.57	4	1.0	1.0	320.0	37.67	92.82	40.48	NO

1500.	53.69	4	1.0	1.0	320.0	37.67	98.79	42.26	NO
1600.	50.17	4	1.0	1.0	320.0	37.67	104.73	44.01	NO
1700.	47.30	6	1.0	1.2	10000.0	38.47	55.42	20.83	NO
1800.	48.37	6	1.0	1.2	10000.0	38.47	58.32	21.50	NO
1900.	49.13	6	1.0	1.2	10000.0	38.47	61.21	22.17	NO
2000.	49.62	6	1.0	1.2	10000.0	38.47	64.09	22.82	NO
2100.	49.56	6	1.0	1.2	10000.0	38.47	66.95	23.37	NO
2200.	49.37	6	1.0	1.2	10000.0	38.47	69.80	23.92	NO
2300.	49.07	6	1.0	1.2	10000.0	38.47	72.64	24.45	NO
2400.	48.68	6	1.0	1.2	10000.0	38.47	75.47	24.97	NO
2500.	48.21	6	1.0	1.2	10000.0	38.47	78.29	25.49	NO
2600.	47.68	6	1.0	1.2	10000.0	38.47	81.09	25.99	NO
2700.	47.11	6	1.0	1.2	10000.0	38.47	83.89	26.49	NO
2800.	46.50	6	1.0	1.2	10000.0	38.47	86.67	26.98	NO
2900.	45.87	6	1.0	1.2	10000.0	38.47	89.45	27.46	NO
3000.	45.21	6	1.0	1.2	10000.0	38.47	92.21	27.94	NO

MAXIMUM 1-HR CONCENTRATION AT OR BEYOND 1. M:
 255. 115.0 3 2.0 2.1 640.0 25.49 29.86 17.94 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	----- 115.0	----- 255.	----- 0.

 ** REMEMBER TO INCLUDE BACKGROUND CONCENTRATIONS **
