Appendix I

Public Health

List of Attachments

Attachment A Toxic Air Contaminant Emission Calculations

Attachment B Aqueous Ammonia Accidental Release Emission Rate Calculations, Model Parameters and SCREEN3 Model Output Files

Attachment A

Toxic Air Contaminant Emission Calculations

Toxic Air Contaminant Emissions from Each Turbine

Max Fuel Flow **396.1** **MMBtu/hr**

Maximum annual hours of operation **3,200** **hr/yr**

includes startups, warmups, shutdowns and maintenance

Operations fuel flow based on the average operation scenario (72°F; 100% load; with Sprint and evap. cooler on)

Pollutant	CAS	Emission Factor (lb/MMBtu)	Emission Factor (lb/MMcf)	Emission Factor Source	Hourly Emission Rate (lb/hr)	Annual Emission Rate (lb/yr)
Ammonia	7664417			max TBACT level	2.94	9.41E+03
1,3-Butadiene	106990	1.30E-07	1.33E-04	CATEF max	5.14E-05	1.65E-01
Acetaldehyde	75070	4.99E-04	5.11E-01	CATEF max	1.98E-01	6.33E+02
Acrolein	107028	6.77E-05	6.93E-02	CATEF max	2.68E-02	8.58E+01
Benzene	71432	4.61E-05	4.72E-02	CATEF max	1.83E-02	5.84E+01
Ethylbenzene	100414	5.57E-05	5.70E-02	CATEF max	2.20E-02	7.06E+01
Formaldehyde	50000	6.71E-03	6.87E+00	CATEF max	2.66E+00	8.50E+03
Hexane	110543	3.73E-04	3.82E-01	CATEF max	1.48E-01	4.73E+02
Propylene	115071	1.95E-03	2.00E+00	CATEF max	7.74E-01	2.48E+03
Propylene Oxide	75569	5.73E-05	5.87E-02	CATEF max	2.27E-02	7.27E+01
Toluene	108883	1.64E-04	1.68E-01	CATEF max	6.50E-02	2.08E+02
Xylenes	1330207	6.11E-05	6.26E-02	CATEF max	2.42E-02	7.75E+01
PAH						
Benzo(a)anthracene	56553	1.31E-07	1.34E-04	CATEF max	5.18E-05	1.66E-01
Benzo(a)pyrene	50328	8.95E-08	9.16E-05	CATEF max	3.98E-05	1.32E-01
Benzo(b)fluoranthene	205992	6.56E-08	6.72E-05	CATEF max	2.60E-05	8.32E-02
Benzo(k)fluoranthene	207089	6.56E-08	6.72E-05	CATEF max	2.60E-05	8.32E-02
Chrysene	218019	1.46E-07	1.50E-04	CATEF max	5.80E-05	1.86E-01
Dibenz(a,h)anthracene	53703	1.31E-07	1.34E-04	CATEF max	5.18E-05	1.66E-01
Indeno(1,2,3-cd)pyrene	193395	1.31E-07	1.34E-04	CATEF max	5.18E-05	1.66E-01
Naphthalene	91203	7.70E-06	7.88E-03	CATEF max	3.05E-03	9.75E+00
Total PAHs					3.35E-03	1.07E+01

Notes:

[a]Emission factors obtained from the CATEF database for natural gas-fired combustion turbines with SCR and CO catalyst.

[b]Ammonia emission rate based on an exhaust NH3 limit of 5 ppmv @ 15% O_2 provided by the turbine vendor.

[c]Used a HHV of 1024 Btu/scf.

Toxic Air Contaminant Emissions from Black-Start Engine

Rated Horsepower	**1449**	**BHP**
Expected non-emergency usage	**12**	**hr/yr**
Fuel Consumption	**7261**	**Btu/bhp-hr**
Fuel Flow	**10.52**	**MMBtu/hr**

Pollutant	CAS	Emission Factor (lb/MMBtu)	Emission Factor (lb/MMcf)	Emission Factor Source	Hourly Emission Rate (lb/hr)	Annual Emission Rate (lb/yr)
1,3-Butadiene	106990	4.05E-04	4.15E-01	CATEF max	4.26E-03	5.12E-02
Acetaldehyde	75070	2.56E-03	2.62E+00	CATEF max	2.69E-02	3.23E-01
Acrolein	107028	1.57E-04	1.61E-01	CATEF max	1.65E-03	1.98E-02
Benzene	71432	2.53E-04	2.59E-01	CATEF max	2.66E-03	3.19E-02
Ethylbenzene	100414	1.12E-04	1.15E-01	CATEF max	1.18E-03	1.42E-02
Formaldehyde	50000	2.04E-02	2.09E+01	CATEF max	2.15E-01	2.58E+00
Propylene	115071	1.18E-02	1.21E+01	CATEF max	1.24E-01	1.49E+00
Toluene	108883	3.85E-04	3.94E-01	CATEF max	4.05E-03	4.86E-02
Xylene (Total)	1330207	9.42E-04	9.65E-01	CATEF max	9.91E-03	1.19E-01
PAHs						
Benzo(a)anthracene	56553	9.69E-08	9.92E-05	CATEF max	1.02E-06	1.22E-05
Benzo(a)pyrene	50328	3.79E-09	3.88E-06	CATEF max	3.99E-08	4.78E-07
Benzo(b)fluoranthene	205992	7.79E-08	7.98E-05	CATEF max	8.20E-07	9.84E-06
Benzo(k)fluoranthene	207089	1.18E-08	1.21E-05	CATEF max	1.24E-07	1.49E-06
Chrysene	218019	2.20E-08	2.25E-05	CATEF max	2.31E-07	2.77E-06
Dibenz(a,h)anthracene	53703	3.79E-09	3.88E-06	CATEF max	3.99E-08	4.78E-07
Indeno(1,2,3-cd)pyrene	193395	1.06E-08	1.09E-05	CATEF max	1.12E-07	1.34E-06
Naphthalene	91203	3.03E-05	3.10E-02	CATEF max	3.19E-04	3.82E-03
Total PAHs					3.21E-04	3.85E-03

Notes:

[a]Emission factors obtained from the CATEF database for 4-stroke, lean-burn >650-hp natural-gas internal combustion engines with no controls.

[b]Used an HHV of 1024 Btu/scf.

Toxic Air Contaminant Emissions from Emergency Diesel Fire Water Pump

Rated Horsepower	**173**	**BHP**
Testing duration	**30**	**min/week**
Yearly testing	**52**	**week/year**
Expected non-emergency usage	**26**	**hr/yr**

Pollutant	CAS	Emission Factor (Power Output) (g/hp-hr)	Emission Factor Source	Hourly Emission Rate (lb/hr)	Annual Emission Rate (lb/yr)
Diesel Particulate (PM10)	9901	0.09	Engine manufacturer	1.71E-02	8.92E-01

Attachment B

Aqueous Ammonia Accidental Release Emission Rate Calculations, Model Parameters and SCREEN3 Model Output Files

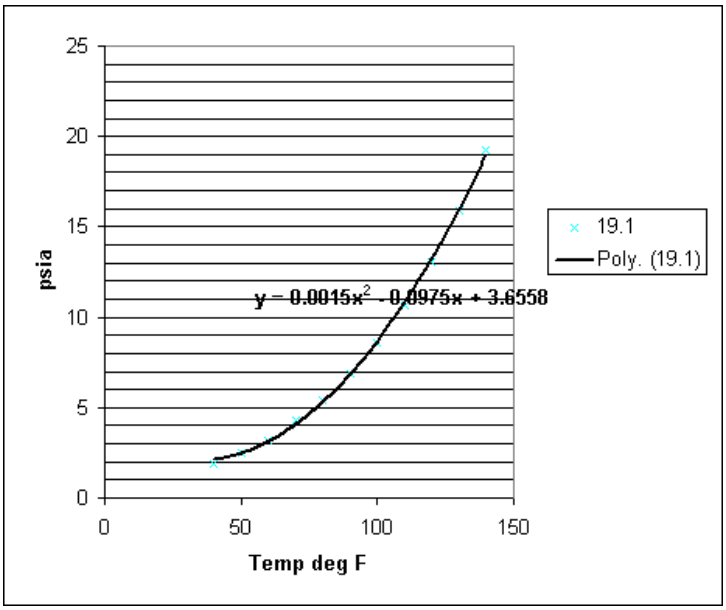
Partial Vapor Pressure by Temperature of the Aqueous Ammonia Solution

Partial Vapor Pressures in PSIA

** From Perrys Chemical Handbook Table 3-23*

PSIA

	Wt%
Temp	**19.1**
40	1.92
50	2.53
60	3.21
70	4.28
80	5.45
90	6.88
100	8.6
110	10.64
120	13.09
130	15.93
140	19.23



$y = 0.0015x^2 - 0.0975x + 3.6558$

	Temp deg F	Press psia	press mmHg
Worst Case	116	12.5298	647.9777
STP (298K)	77	5.0418	260.7363

Temperature Correction Factor

For a 19%wt NH3(aq) solution . . .

$$TCF = \frac{VP_T \times 298}{VP_{298} \times T}$$

VP_T = vapor pressure of ammonia above a 19% liquid solution at temperature T

$VP_{T(WORST\ CASE)}$ = 648.0 mmHg

(77 deg F) $VP_{T(298)}$= 260.7 mmHg

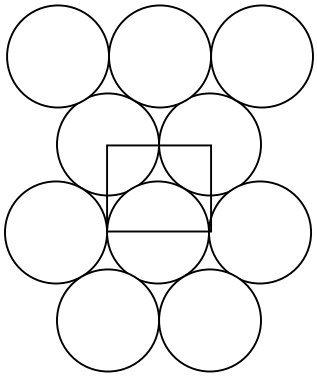
$T_{(WORST\ CASE)}$= 116 = 319.82K

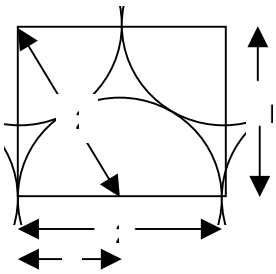
$TCF_{(WORST\ CASE)}$ = 2.32

Mitigation

Small plastic balls will cover the entire above ground containment area.
These balls reduce the exposed surface area of an accidental release of aqueous ammonia.
Although there is some remaining empty space between the balls as calculated below.

radius of ball =	3 in
Area of ball =	28.3 in2
Area of box =	31.2 in2
Empty space =	2.9 in2
% Empty space =	**9%**





$L^2+(r)^2=(2r)^2$

L=r*sqrt(3)

Area of box = L x 2r

Aqueous Ammonia Emission Rate

Worst Case Scenario: complete failure of tank, contents of tank fills containment basin (1,000 sqft)

Alternative Case Scenario: tanker truck unloading failure, entire contents of tanker truck is spilled, and flows quickly into the containment basin - where it spreads out to a thickness of 1cm covering the floor of the containment basin (1,000 sqft).

Only the temperature and stability are different than the worst case scenario.

Mitigation: small plastic balls covering the entire above ground containment area

$$QR = \frac{0.284 U^{0.78} MW^{2/3} A \times VP}{82.05 T}$$

QR = Emission rate (lb/min)

$U_{(worst\ case)}$ = 1.5 m/s windspeed

$U_{(alt\ case)}$ = 3 m/s windspeed

MW = 17.09 g/g-mol molecular weight of ammonia

$A_{(worst\ case)}$ = 93.1 ft^2 exposed area ***with balls in containment area - covers 91%***

$A_{(alt\ case)}$ = 93.1 ft^2 exposed area ***with balls in containment area - covers 91%***

$VP_{(worst\ case)}$ = 190 mmHg 10 minute avg VP of ammonia above a 20% solution

$VP_{(Alt\ Case)}$ = 148 mmHg From Exhibit B-3, Data for Water Solutions of Toxic Substances and for Oleum, For Wind Speeds of 1.5 and 3.0 m/s
From EPAs RISK MANAGEMENT PROGRAM GUIDANCE FOR OFFSITE CONSEQUENCE ANALYSIS April 1999

$T_{(worst\ case)}$ = 319.8 K

$T_{(alt\ case)}$ = 298 K

$TCF_{(WORST\ CASE\ ONLY)}$ = 2.32

$QR_{(worst\ case)}$ = 4.035 lb/min

$QR_{(alt\ case)}$ = 2.502 lb/min

SCREEN3 Model Input:	Worst-case	Alternative
Emission rate (g/s*m^2)	3.527	2.187
Release height (m)	0	0
length of larger side (m)	2.941	2.941
length of smaller side (m)	2.941	2.941
receptor height (m)	0	0
urban/rural	Rural	Rural
search thru range of dirs?	Yes	Yes
choice of meteorology	3	3
Stability class	6	4
Wind speed (m/s)	1.5	3

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16:38:43

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

 Niland Worst Case Mitigated with Balls in Containment Area

 SIMPLE TERRAIN INPUTS:
    SOURCE TYPE                =         AREA
    EMISSION RATE (G/(S-M**2)) =      3.52700
    SOURCE HEIGHT (M)          =        .0000
    LENGTH OF LARGER SIDE (M)  =       2.9410
    LENGTH OF SMALLER SIDE (M) =       2.9410
    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   1.50 M/S ONLY ***

 **********************************
 *** SCREEN AUTOMATED DISTANCES ***
 **********************************

 *** TERRAIN HEIGHT OF    0. M ABOVE STACK BASE USED FOR FOLLOWING DISTANCES ***

   DIST     CONC             U10M   USTK  MIX HT   PLUME  MAX DIR
    (M)   (UG/M**3)   STAB  (M/S)  (M/S)    (M)   HT (M)   (DEG)
 -------  ----------  ----  -----  -----  ------  ------  -------
      1.   .4111E+08    6     1.5    1.5 10000.0     .00     45.
    100.   .6693E+06    6     1.5    1.5 10000.0     .00     44.
    200.   .2033E+06    6     1.5    1.5 10000.0     .00     31.
    300.   .1021E+06    6     1.5    1.5 10000.0     .00     34.
    400.   .6257E+05    6     1.5    1.5 10000.0     .00     31.
    500.   .4281E+05    6     1.5    1.5 10000.0     .00     32.
    600.   .3140E+05    6     1.5    1.5 10000.0     .00     34.
    700.   .2416E+05    6     1.5    1.5 10000.0     .00     39.
    800.   .1951E+05    6     1.5    1.5 10000.0     .00     39.
    900.   .1617E+05    6     1.5    1.5 10000.0     .00     38.
   1000.   .1366E+05    6     1.5    1.5 10000.0     .00     35.
   1100.   .1179E+05    6     1.5    1.5 10000.0     .00     35.
   1200.   .1031E+05    6     1.5    1.5 10000.0     .00     35.
   1300.   9111.        6     1.5    1.5 10000.0     .00     35.
   1400.   8126.        6     1.5    1.5 10000.0     .00     35.
   1500.   7306.        6     1.5    1.5 10000.0     .00     35.
   1600.   6614.        6     1.5    1.5 10000.0     .00     35.
   1700.   6024.        6     1.5    1.5 10000.0     .00     35.
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  1800.   5516.        6     1.5    1.5 10000.0     .00     35.
  1900.   5075.        6     1.5    1.5 10000.0     .00     35.
  2000.   4690.        6     1.5    1.5 10000.0     .00     33.
  2100.   4370.        6     1.5    1.5 10000.0     .00     33.
  2200.   4084.        6     1.5    1.5 10000.0     .00     33.
  2300.   3829.        6     1.5    1.5 10000.0     .00     33.
  2400.   3600.        6     1.5    1.5 10000.0     .00     33.
  2500.   3393.        6     1.5    1.5 10000.0     .00     33.
  2600.   3205.        6     1.5    1.5 10000.0     .00     33.
  2700.   3034.        6     1.5    1.5 10000.0     .00     33.
  2800.   2879.        6     1.5    1.5 10000.0     .00     33.
  2900.   2736.        6     1.5    1.5 10000.0     .00     33.
  3000.   2605.        6     1.5    1.5 10000.0     .00     33.
  3500.   2110.        6     1.5    1.5 10000.0     .00     33.
  4000.   1758.        6     1.5    1.5 10000.0     .00     33.
  4500.   1497.        6     1.5    1.5 10000.0     .00     33.
  5000.   1296.        6     1.5    1.5 10000.0     .00     33.
  5500.   1138.        6     1.5    1.5 10000.0     .00     33.
  6000.   1011.        6     1.5    1.5 10000.0     .00     33.
  6500.   906.7        6     1.5    1.5 10000.0     .00     33.
  7000.   820.0        6     1.5    1.5 10000.0     .00     33.
  7500.   748.9        6     1.5    1.5 10000.0     .00     33.
  8000.   688.3        6     1.5    1.5 10000.0     .00     44.
  8500.   635.9        6     1.5    1.5 10000.0     .00     42.
  9000.   590.1        6     1.5    1.5 10000.0     .00     40.
  9500.   549.8        6     1.5    1.5 10000.0     .00     40.
 10000.   514.2        6     1.5    1.5 10000.0     .00     44.

MAXIMUM 1-HR CONCENTRATION AT OR BEYOND     1. M:
     3.   .6317E+08    6     1.5    1.5 10000.0     .00     45.

**********************************
*** SCREEN DISCRETE DISTANCES ***
**********************************

*** TERRAIN HEIGHT OF    0. M ABOVE STACK BASE USED FOR FOLLOWING DISTANCES ***

  DIST     CONC             U10M   USTK  MIX HT   PLUME  MAX DIR
   (M)   (UG/M**3)   STAB  (M/S)  (M/S)    (M)   HT (M)   (DEG)
-------  ----------  ----  -----  -----  ------  ------  -------
    43.   .2707E+07    6     1.5    1.5 10000.0     .00     44.
   213.   .1827E+06    6     1.5    1.5 10000.0     .00     31.
    60.   .1580E+07    6     1.5    1.5 10000.0     .00     45.
    70.   .1223E+07    6     1.5    1.5 10000.0     .00     36.
    65.   .1383E+07    6     1.5    1.5 10000.0     .00     35.
    64.   .1420E+07    6     1.5    1.5 10000.0     .00     45.
   200.   .2033E+06    6     1.5    1.5 10000.0     .00     31.
   190.   .2221E+06    6     1.5    1.5 10000.0     .00     31.
   195.   .2124E+06    6     1.5    1.5 10000.0     .00     31.
   196.   .2105E+06    6     1.5    1.5 10000.0     .00     31.
   197.   .2087E+06    6     1.5    1.5 10000.0     .00     31.
   250.   .1392E+06    6     1.5    1.5 10000.0     .00     34.
   249.   .1401E+06    6     1.5    1.5 10000.0     .00     32.
   300.   .1021E+06    6     1.5    1.5 10000.0     .00     34.
   400.   .6257E+05    6     1.5    1.5 10000.0     .00     31.
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   500.   .4281E+05    6     1.5    1.5 10000.0     .00     32.
   450.   .5121E+05    6     1.5    1.5 10000.0     .00     32.
   425.   .5644E+05    6     1.5    1.5 10000.0     .00     32.
   440.   .5321E+05    6     1.5    1.5 10000.0     .00     32.
   430.   .5533E+05    6     1.5    1.5 10000.0     .00     32.
   445.   .5220E+05    6     1.5    1.5 10000.0     .00     32.
   444.   .5240E+05    6     1.5    1.5 10000.0     .00     32.
   443.   .5260E+05    6     1.5    1.5 10000.0     .00     32.

      ***************************************
      *** SUMMARY OF SCREEN MODEL RESULTS ***
      ***************************************

 CALCULATION        MAX CONC    DIST TO   TERRAIN
  PROCEDURE        (UG/M**3)    MAX (M)    HT (M)
--------------    -----------   -------   -------
SIMPLE TERRAIN      .6317E+08        3.        0.


***************************************************
** REMEMBER TO INCLUDE BACKGROUND CONCENTRATIONS **
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01/12/06
6:46:04

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

 Niland Alternative Case Mitigated with Balls in Containment Area

 SIMPLE TERRAIN INPUTS:
    SOURCE TYPE                =         AREA
    EMISSION RATE (G/(S-M**2)) =      2.18700
    SOURCE HEIGHT (M)          =        .0000
    LENGTH OF LARGER SIDE (M)  =       2.9410
    LENGTH OF SMALLER SIDE (M) =       2.9410
    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  4 ONLY ***
 *** ANEMOMETER HEIGHT WIND SPEED OF   3.00 M/S ONLY ***

 **********************************
 *** 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)	MAX DIR (DEG)
1.	.7630E+07	4	3.0	3.0	960.0	.00	45.
100.	.5233E+05	4	3.0	3.0	960.0	.00	7.
200.	.1514E+05	4	3.0	3.0	960.0	.00	7.
300.	7324.	4	3.0	3.0	960.0	.00	8.
400.	4452.	4	3.0	3.0	960.0	.00	13.
500.	3028.	4	3.0	3.0	960.0	.00	37.
600.	2210.	4	3.0	3.0	960.0	.00	24.
700.	1694.	4	3.0	3.0	960.0	.00	9.
800.	1345.	4	3.0	3.0	960.0	.00	9.
900.	1098.	4	3.0	3.0	960.0	.00	7.
1000.	915.9	4	3.0	3.0	960.0	.00	20.
1100.	789.7	4	3.0	3.0	960.0	.00	26.
1200.	689.8	4	3.0	3.0	960.0	.00	20.
1300.	609.1	4	3.0	3.0	960.0	.00	20.
1400.	542.8	4	3.0	3.0	960.0	.00	26.
1500.	487.7	4	3.0	3.0	960.0	.00	20.
1600.	441.2	4	3.0	3.0	960.0	.00	26.
1700.	401.6	4	3.0	3.0	960.0	.00	20.
1800.	367.5	4	3.0	3.0	960.0	.00	20.

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  1900.   337.9        4     3.0    3.0   960.0     .00     20.
  2000.   312.1        4     3.0    3.0   960.0     .00     33.
  2100.   289.4        4     3.0    3.0   960.0     .00     33.
  2200.   269.2        4     3.0    3.0   960.0     .00     10.
  2300.   251.3        4     3.0    3.0   960.0     .00     10.
  2400.   235.3        4     3.0    3.0   960.0     .00     33.
  2500.   220.9        4     3.0    3.0   960.0     .00     33.
  2600.   207.9        4     3.0    3.0   960.0     .00     33.
  2700.   196.1        4     3.0    3.0   960.0     .00     10.
  2800.   185.3        4     3.0    3.0   960.0     .00     10.
  2900.   175.5        4     3.0    3.0   960.0     .00     33.
  3000.   166.6        4     3.0    3.0   960.0     .00     33.
  3500.   132.0        4     3.0    3.0   960.0     .00     33.
  4000.   108.0        4     3.0    3.0   960.0     .00     29.
  4500.   90.47        4     3.0    3.0   960.0     .00     10.
  5000.   77.21        4     3.0    3.0   960.0     .00     29.
  5500.   66.91        4     3.0    3.0   960.0     .00     29.
  6000.   58.72        4     3.0    3.0   960.0     .00     29.
  6500.   52.08        4     3.0    3.0   960.0     .00     29.
  7000.   46.60        4     3.0    3.0   960.0     .00     29.
  7500.   42.02        4     3.0    3.0   960.0     .00     29.
  8000.   38.15        4     3.0    3.0   960.0     .00     20.
  8500.   34.85        4     3.0    3.0   960.0     .00     20.
  9000.   31.99        4     3.0    3.0   960.0     .00     20.
  9500.   29.50        4     3.0    3.0   960.0     .00     20.
 10000.   27.33        4     3.0    3.0   960.0     .00      8.

MAXIMUM 1-HR CONCENTRATION AT OR BEYOND     1. M:
     3.   .1151E+08    4     3.0    3.0   960.0     .00     45.

**********************************
*** SCREEN DISCRETE DISTANCES ***
**********************************

*** TERRAIN HEIGHT OF    0. M ABOVE STACK BASE USED FOR FOLLOWING DISTANCES ***

  DIST     CONC             U10M   USTK  MIX HT   PLUME  MAX DIR
   (M)   (UG/M**3)   STAB  (M/S)  (M/S)    (M)   HT (M)   (DEG)
-------  ----------  ----  -----  -----  ------  ------  -------
    43.   .2341E+06    4     3.0    3.0   960.0     .00     30.
   213.   .1352E+05    4     3.0    3.0   960.0     .00      7.
    60.   .1300E+06    4     3.0    3.0   960.0     .00     33.
    55.   .1517E+06    4     3.0    3.0   960.0     .00     37.
    59.   .1339E+06    4     3.0    3.0   960.0     .00     21.
    58.   .1380E+06    4     3.0    3.0   960.0     .00     26.
    57.   .1423E+06    4     3.0    3.0   960.0     .00     27.
    20.   .8660E+06    4     3.0    3.0   960.0     .00     45.
    15.   .1372E+07    4     3.0    3.0   960.0     .00     45.
    14.   .1525E+07    4     3.0    3.0   960.0     .00     42.
    50.   .1795E+06    4     3.0    3.0   960.0     .00     41.
    45.   .2161E+06    4     3.0    3.0   960.0     .00     27.
    46.   .2079E+06    4     3.0    3.0   960.0     .00     26.
    50.   .1795E+06    4     3.0    3.0   960.0     .00     41.
    55.   .1517E+06    4     3.0    3.0   960.0     .00     37.
    60.   .1300E+06    4     3.0    3.0   960.0     .00     33.
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```
    57.   .1423E+06    4     3.0    3.0   960.0     .00     27.
    56.   .1469E+06    4     3.0    3.0   960.0     .00     36.
    58.   .1380E+06    4     3.0    3.0   960.0     .00     26.
   100.   .5233E+05    4     3.0    3.0   960.0     .00      7.
    99.   .5328E+05    4     3.0    3.0   960.0     .00      7.

     ***************************************
     *** SUMMARY OF SCREEN MODEL RESULTS ***
     ***************************************

 CALCULATION        MAX CONC    DIST TO   TERRAIN
  PROCEDURE        (UG/M**3)    MAX (M)    HT (M)
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SIMPLE TERRAIN      .1151E+08        3.        0.


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** REMEMBER TO INCLUDE BACKGROUND CONCENTRATIONS **
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