SCREEN3 PM-10 ft Stack

03/07/03
09:50:02

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

Teton Spray Booth -- Downwash, 10 ft Stack

SIMPLE TERRAIN INPUTS:
   SOURCE TYPE              =        POINT
   EMISSION RATE (G/S)      =      .126000
   STACK HEIGHT (M)         =       9.1440
   STK INSIDE DIAM (M)      =        .6096
   STK EXIT VELOCITY (M/S)=        40.4254
   STK GAS EXIT TEMP (K)    =     293.0000
   AMBIENT AIR TEMP (K)     =     293.0000
   RECEPTOR HEIGHT (M)      =        .0000
   URBAN/RURAL OPTION       =        RURAL
   BUILDING HEIGHT (M)      =       6.0960
   MIN HORIZ BLDG DIM (M) =        24.3800
   MAX HORIZ BLDG DIM (M) =        39.6400

THE REGULATORY (DEFAULT) MIXING HEIGHT OPTION WAS SELECTED.
THE REGULATORY (DEFAULT) ANEMOMETER HEIGHT OF 10.0 METERS WAS ENTERED.

   STACK EXIT VELOCITY WAS CALCULATED FROM
   VOLUME FLOW RATE =   25000.000     (ACFM)

BUOY. FLUX =     .000 M**4/S**3;  MOM. FLUX =  151.823 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.	.1902E-09	6	1.0	1.0	10000.0	33.79	4.36	4.36	NO
100.	9.179	4	20.0	20.0	6400.0	9.69	8.20	5.43	SS
200.	9.421	4	15.0	15.0	4800.0	10.59	15.56	8.72	SS
300.	7.736	4	10.0	10.0	3200.0	13.68	22.61	12.09	SS
400.	6.462	4	8.0	8.0	2560.0	15.94	29.45	15.27	SS
500.	5.211	4	5.0	5.0	1600.0	23.93	36.39	18.78	NO
600.	6.828	5	1.0	1.0	10000.0	36.20	32.85	16.60	NO
700.	8.156	5	1.0	1.0	10000.0	36.20	37.57	18.23	NO
800.	9.050	5	1.0	1.0	10000.0	36.20	42.26	19.84	NO
900.	9.567	5	1.0	1.0	10000.0	36.20	46.91	21.41	NO
1000.	9.788	5	1.0	1.0	10000.0	36.20	51.52	22.97	NO
MAXIMUM 1-HR CONCENTRATION AT OR BEYOND 1. M:									
127.	10.20	3	10.0	10.0	3200.0	13.13	15.65	9.33	SS

```
 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

****************************************
     *** REGULATORY (Default) ***
```

SCREEN3 PM-10 ft Stack

```
   PERFORMING CAVITY CALCULATIONS
 WITH ORIGINAL SCREEN CAVITY MODEL
         (BRODE, 1988)
****************************************

*** CAVITY CALCULATION - 1 ***        *** CAVITY CALCULATION - 2 ***
 CONC (UG/M**3)       =    .0000       CONC (UG/M**3)       =    .0000
 CRIT WS @10M (M/S)   =   99.99       CRIT WS @10M (M/S)   =   99.99
 CRIT WS @ HS (M/S)   =   99.99       CRIT WS @ HS (M/S)   =   99.99
 DILUTION WS (M/S)    =   99.99       DILUTION WS (M/S)    =   99.99
 CAVITY HT (M)        =    6.15       CAVITY HT (M)        =    6.10
 CAVITY LENGTH (M)    =   26.42       CAVITY LENGTH (M)    =   21.33
 ALONGWIND DIM (M)    =   24.38       ALONGWIND DIM (M)    =   39.64

CAVITY CONC NOT CALCULATED FOR CRIT WS > 20.0 M/S.  CONC SET = 0.0

****************************************
      END OF CAVITY CALCULATIONS
****************************************


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

 CALCULATION          MAX CONC     DIST TO    TERRAIN
  PROCEDURE          (UG/M**3)     MAX (M)     HT (M)
--------------      -----------    -------    -------
SIMPLE TERRAIN        10.20          127.        0.

*****************************************************
** REMEMBER TO INCLUDE BACKGROUND CONCENTRATIONS **
*****************************************************
```

SCREEN3 Paint Storage

03/17/03
12:12:52

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

Teton Oven/Heater -- Downwash, Paint Storage Directly East of 604 Kit

SIMPLE TERRAIN INPUTS:
   SOURCE TYPE              =        POINT
   EMISSION RATE (G/S)      =      .126000
   STACK HEIGHT (M)         =       6.0960
   STK INSIDE DIAM (M)      =       5.4800
   STK EXIT VELOCITY (M/S)=          .0010
   STK GAS EXIT TEMP (K)    =     410.9278
   AMBIENT AIR TEMP (K)     =     293.0000
   RECEPTOR HEIGHT (M)      =        .0000
   URBAN/RURAL OPTION       =        RURAL
   BUILDING HEIGHT (M)      =       3.0480
   MIN HORIZ BLDG DIM (M) =         6.0960
   MAX HORIZ BLDG DIM (M) =        17.0690

THE REGULATORY (DEFAULT) MIXING HEIGHT OPTION WAS SELECTED.
THE REGULATORY (DEFAULT) ANEMOMETER HEIGHT OF 10.0 METERS WAS ENTERED.

   STACK EXIT VELOCITY WAS CALCULATED FROM
   VOLUME FLOW RATE =   50.000000      (ACFM)

BUOY. FLUX =      .021 M**4/S**3;  MOM. FLUX =      .000 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.	.0000	0	.0	.0	.0	.00	.00	.00	NA
100.	744.9	4	1.0	1.0	320.0	1.19	8.21	6.45	HS
200.	446.8	6	1.0	1.0	10000.0	6.82	7.97	6.54	HS
300.	307.0	6	1.0	1.0	10000.0	6.82	11.40	7.88	HS
400.	224.7	6	1.0	1.0	10000.0	6.82	14.77	9.16	HS
500.	172.0	6	1.0	1.0	10000.0	6.82	18.07	10.41	HS
600.	139.4	6	1.0	1.0	10000.0	6.82	21.33	11.22	HS
700.	114.3	6	1.0	1.0	10000.0	6.82	24.53	12.24	HS
800.	95.79	6	1.0	1.0	10000.0	6.82	27.70	13.23	HS
900.	82.54	6	1.0	1.0	10000.0	6.82	30.84	13.99	HS
1000.	71.57	6	1.0	1.0	10000.0	6.82	33.94	14.86	HS

```
MAXIMUM 1-HR CONCENTRATION AT OR BEYOND     1. M:
    10.   .1616E+05    6     1.5     1.5 10000.0    1.46      .67     2.30     HS

 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

****************************************
     *** REGULATORY (Default) ***
```

```
   PERFORMING CAVITY CALCULATIONS
 WITH ORIGINAL SCREEN CAVITY MODEL
         (BRODE, 1988)
****************************************

 *** CAVITY CALCULATION - 1 ***        *** CAVITY CALCULATION - 2 ***
  CONC (UG/M**3)       =    1615.       CONC (UG/M**3)       =    4521.
  CRIT WS @10M (M/S)   =     1.00       CRIT WS @10M (M/S)   =     1.00
  CRIT WS @ HS (M/S)   =     1.00       CRIT WS @ HS (M/S)   =     1.00
  DILUTION WS (M/S)    =     1.00       DILUTION WS (M/S)    =     1.00
  CAVITY HT (M)        =     3.41       CAVITY HT (M)        =     3.05
  CAVITY LENGTH (M)    =    12.45       CAVITY LENGTH (M)    =     7.11
  ALONGWIND DIM (M)    =     6.10       ALONGWIND DIM (M)    =    17.07

****************************************
      END OF CAVITY CALCULATIONS
****************************************

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

 CALCULATION          MAX CONC     DIST TO    TERRAIN
  PROCEDURE          (UG/M**3)     MAX (M)     HT (M)
--------------      -----------   -------    -------
SIMPLE TERRAIN        .1616E+05      10.         0.

BLDG. CAVITY-1        1615.          12.        --   (DIST = CAVITY LENGTH)

BLDG. CAVITY-2        4521.           7.        --   (DIST = CAVITY LENGTH)

*****************************************************
** REMEMBER TO INCLUDE BACKGROUND CONCENTRATIONS **
*****************************************************
```

SCREEN3 Paint Storage 10 ft intervals

03/17/03
17:01:22

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

Teton Oven/Heater -- Downwash, Storage Building Immediatley East of 518 Kit

SIMPLE TERRAIN INPUTS:
   SOURCE TYPE              =        POINT
   EMISSION RATE (G/S)      =      .126000
   STACK HEIGHT (M)         =       6.0900
   STK INSIDE DIAM (M)      =       5.4800
   STK EXIT VELOCITY (M/S)=          .0010
   STK GAS EXIT TEMP (K)    =     410.9280
   AMBIENT AIR TEMP (K)     =     293.0000
   RECEPTOR HEIGHT (M)      =        .0000
   URBAN/RURAL OPTION       =        RURAL
   BUILDING HEIGHT (M)      =       3.0480
   MIN HORIZ BLDG DIM (M) =         6.0960
   MAX HORIZ BLDG DIM (M) =        17.0690

THE REGULATORY (DEFAULT) MIXING HEIGHT OPTION WAS SELECTED.
THE REGULATORY (DEFAULT) ANEMOMETER HEIGHT OF 10.0 METERS WAS ENTERED.

   STACK EXIT VELOCITY WAS CALCULATED FROM
   VOLUME FLOW RATE =   50.000000      (ACFM)

BUOY. FLUX =      .021 M**4/S**3;  MOM. FLUX =      .000 M**4/S**2.

*** FULL METEOROLOGY ***

**********************************
*** SCREEN DISCRETE 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
10.	.1616E+05	6	1.5	1.5	10000.0	1.37	.62	2.23	HS
20.	6849.	4	1.0	1.0	320.0	1.19	1.87	2.88	HS
30.	3958.	4	1.0	1.0	320.0	1.19	2.70	3.55	HS
40.	2685.	4	1.0	1.0	320.0	1.19	3.52	4.07	HS
50.	2000.	4	1.0	1.0	320.0	1.19	4.32	4.48	HS
60.	1559.	4	1.0	1.0	320.0	1.19	5.12	4.88	HS
70.	1255.	4	1.0	1.0	320.0	1.19	5.90	5.28	HS
80.	1036.	4	1.0	1.0	320.0	1.19	6.68	5.67	HS
90.	871.6	4	1.0	1.0	320.0	1.19	7.45	6.06	HS
100.	744.9	4	1.0	1.0	320.0	1.19	8.21	6.45	HS

```
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

****************************************
     *** REGULATORY (Default) ***
    PERFORMING CAVITY CALCULATIONS
  WITH ORIGINAL SCREEN CAVITY MODEL
          (BRODE, 1988)
****************************************
```

SCREEN3 Paint Storage 10 ft intervals

```
*** CAVITY CALCULATION - 1 ***
 CONC (UG/M**3)       =    1615.
 CRIT WS @10M (M/S)   =     1.00
 CRIT WS @ HS (M/S)   =     1.00
 DILUTION WS (M/S)    =     1.00
 CAVITY HT (M)        =     3.41
 CAVITY LENGTH (M)    =    12.45
 ALONGWIND DIM (M)    =     6.10

*** CAVITY CALCULATION - 2 ***
 CONC (UG/M**3)       =    4521.
 CRIT WS @10M (M/S)   =     1.00
 CRIT WS @ HS (M/S)   =     1.00
 DILUTION WS (M/S)    =     1.00
 CAVITY HT (M)        =     3.05
 CAVITY LENGTH (M)    =     7.11
 ALONGWIND DIM (M)    =    17.07

****************************************
      END OF CAVITY CALCULATIONS
****************************************


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

 CALCULATION          MAX CONC     DIST TO    TERRAIN
  PROCEDURE          (UG/M**3)     MAX (M)     HT (M)
--------------      -----------   -------    -------
SIMPLE TERRAIN       .1616E+05       10.         0.

BLDG. CAVITY-1       1615.           12.        --   (DIST = CAVITY LENGTH)

BLDG. CAVITY-2       4521.            7.        --   (DIST = CAVITY LENGTH)


****************************************************
** REMEMBER TO INCLUDE BACKGROUND CONCENTRATIONS **
****************************************************
```

SCREEN3 Mini Storage

03/17/03
09:05:16

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

Teton Oven/Heater -- Downwash, Mini Storage

SIMPLE TERRAIN INPUTS:
   SOURCE TYPE            =        POINT
   EMISSION RATE (G/S)    =      .126000
   STACK HEIGHT (M)       =       6.0960
   STK INSIDE DIAM (M)    =       5.4800
   STK EXIT VELOCITY (M/S)=        .0010
   STK GAS EXIT TEMP (K)  =     410.9278
   AMBIENT AIR TEMP (K)   =     293.0000
   RECEPTOR HEIGHT (M)    =        .0000
   URBAN/RURAL OPTION     =        RURAL
   BUILDING HEIGHT (M)    =       4.2672
   MIN HORIZ BLDG DIM (M) =       9.1440
   MAX HORIZ BLDG DIM (M) =     141.7300

THE REGULATORY (DEFAULT) MIXING HEIGHT OPTION WAS SELECTED.
THE REGULATORY (DEFAULT) ANEMOMETER HEIGHT OF 10.0 METERS WAS ENTERED.

   STACK EXIT VELOCITY WAS CALCULATED FROM
   VOLUME FLOW RATE =   50.000000     (ACFM)

BUOY. FLUX =     .021 M**4/S**3;  MOM. FLUX =     .000 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.	.0000	0	.0	.0	.0	.00	.00	.00	NA
100.	484.7	4	1.0	1.0	320.0	6.11	8.20	6.31	SS
200.	346.5	6	1.0	1.0	10000.0	8.34	7.73	6.39	SS
300.	258.3	6	1.0	1.0	10000.0	8.34	11.23	7.77	SS
400.	197.9	6	1.0	1.0	10000.0	8.34	14.64	9.09	SS
500.	155.9	6	1.0	1.0	10000.0	8.34	17.97	10.35	SS
600.	128.1	6	1.0	1.0	10000.0	8.34	21.24	11.14	SS
700.	106.5	6	1.0	1.0	10000.0	8.34	24.46	12.18	SS
800.	90.15	6	1.0	1.0	10000.0	8.34	27.63	13.18	SS
900.	78.22	6	1.0	1.0	10000.0	8.34	30.78	13.93	SS
1000.	68.25	6	1.0	1.0	10000.0	8.34	33.88	14.80	SS
MAXIMUM 1-HR CONCENTRATION AT OR BEYOND 1. M:									
27.	1017.	6	1.0	1.0	10000.0	6.76	1.24	3.15	SS

```
 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

****************************************
     *** REGULATORY (Default) ***
```

```
   PERFORMING CAVITY CALCULATIONS
 WITH ORIGINAL SCREEN CAVITY MODEL
         (BRODE, 1988)
****************************************

 *** CAVITY CALCULATION - 1 ***        *** CAVITY CALCULATION - 2 ***
  CONC (UG/M**3)      =    138.9        CONC (UG/M**3)      =    2153.
  CRIT WS @10M (M/S) =      1.00        CRIT WS @10M (M/S) =      1.00
  CRIT WS @ HS (M/S) =      1.00        CRIT WS @ HS (M/S) =      1.00
  DILUTION WS (M/S)  =      1.00        DILUTION WS (M/S)  =      1.00
  CAVITY HT (M)      =      4.69        CAVITY HT (M)      =      4.27
  CAVITY LENGTH (M)  =     26.66        CAVITY LENGTH (M)  =     10.42
  ALONGWIND DIM (M)  =      9.14        ALONGWIND DIM (M)  =    141.73

****************************************
      END OF CAVITY CALCULATIONS
****************************************


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

 CALCULATION          MAX CONC     DIST TO    TERRAIN
  PROCEDURE          (UG/M**3)     MAX (M)     HT (M)
--------------      -----------   -------    -------
SIMPLE TERRAIN        1017.          27.        0.

BLDG. CAVITY-1        138.9          27.        --   (DIST = CAVITY LENGTH)

BLDG. CAVITY-2        2153.          10.        --   (DIST = CAVITY LENGTH)


****************************************************
** REMEMBER TO INCLUDE BACKGROUND CONCENTRATIONS **
****************************************************
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SCREEN3 612 Kit + Storage Wing

03/17/03
09:04:13

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

Teton Oven/Heater -- Downwash, 612 Kit + Attached Storage Wing

SIMPLE TERRAIN INPUTS:
   SOURCE TYPE              =        POINT
   EMISSION RATE (G/S)      =      .126000
   STACK HEIGHT (M)         =       6.0960
   STK INSIDE DIAM (M)      =       5.4800
   STK EXIT VELOCITY (M/S)=          .0010
   STK GAS EXIT TEMP (K)    =     410.9278
   AMBIENT AIR TEMP (K)     =     293.0000
   RECEPTOR HEIGHT (M)      =        .0000
   URBAN/RURAL OPTION       =        RURAL
   BUILDING HEIGHT (M)      =       6.0960
   MIN HORIZ BLDG DIM (M) =        18.2880
   MAX HORIZ BLDG DIM (M) =        43.2820

THE REGULATORY (DEFAULT) MIXING HEIGHT OPTION WAS SELECTED.
THE REGULATORY (DEFAULT) ANEMOMETER HEIGHT OF 10.0 METERS WAS ENTERED.

   STACK EXIT VELOCITY WAS CALCULATED FROM
   VOLUME FLOW RATE =    50.000000      (ACFM)

BUOY. FLUX =      .021 M**4/S**3;  MOM. FLUX =      .000 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.	.0000	0	.0	.0	.0	.00	.00	.00	NA
100.	520.4	6	1.0	1.0	10000.0	7.00	6.60	7.84	SS
200.	322.4	6	1.0	1.0	10000.0	7.00	10.14	9.16	SS
300.	226.3	6	1.0	1.0	10000.0	7.00	13.57	10.42	SS
400.	173.7	6	1.0	1.0	10000.0	7.00	16.92	11.23	SS
500.	137.5	6	1.0	1.0	10000.0	7.00	20.21	12.27	SS
600.	112.2	6	1.0	1.0	10000.0	7.00	23.45	13.26	SS
700.	95.18	6	1.0	1.0	10000.0	7.00	26.64	13.94	SS
800.	81.28	6	1.0	1.0	10000.0	7.00	29.79	14.81	SS
900.	70.45	6	1.0	1.0	10000.0	7.00	32.91	15.65	SS
1000.	61.82	6	1.0	1.0	10000.0	7.00	36.00	16.46	SS

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

19.	1568.	4	1.0	1.0	320.0	6.10	2.25	4.38	SS

```
 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

****************************************
     *** REGULATORY (Default) ***
```

SCREEN3 612 Kit + Storage Wing

```
   PERFORMING CAVITY CALCULATIONS
 WITH ORIGINAL SCREEN CAVITY MODEL
        (BRODE, 1988)
****************************************

 *** CAVITY CALCULATION - 1 ***        *** CAVITY CALCULATION - 2 ***
  CONC (UG/M**3)      =    318.4         CONC (UG/M**3)      =    753.5
  CRIT WS @10M (M/S) =      1.00         CRIT WS @10M (M/S) =      1.00
  CRIT WS @ HS (M/S) =      1.00         CRIT WS @ HS (M/S) =      1.00
  DILUTION WS (M/S)  =      1.00         DILUTION WS (M/S)  =      1.00
  CAVITY HT (M)      =      6.29         CAVITY HT (M)      =      6.10
  CAVITY LENGTH (M)  =     27.29         CAVITY LENGTH (M)  =     18.29
  ALONGWIND DIM (M)  =     18.29         ALONGWIND DIM (M)  =     43.28

****************************************
      END OF CAVITY CALCULATIONS
****************************************


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

 CALCULATION          MAX CONC    DIST TO   TERRAIN
  PROCEDURE          (UG/M**3)    MAX (M)    HT (M)
--------------      -----------   -------   -------
SIMPLE TERRAIN        1568.          19.        0.

BLDG. CAVITY-1        318.4          27.       --   (DIST = CAVITY LENGTH)

BLDG. CAVITY-2        753.5          18.       --   (DIST = CAVITY LENGTH)


****************************************************
** REMEMBER TO INCLUDE BACKGROUND CONCENTRATIONS **
****************************************************
```

03/17/03
08:48:16

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

Teton Oven/Heater -- Downwash, 604 Kit

SIMPLE TERRAIN INPUTS:
   SOURCE TYPE              =        POINT
   EMISSION RATE (G/S)      =      .126000
   STACK HEIGHT (M)         =       6.0960
   STK INSIDE DIAM (M)      =       5.4800
   STK EXIT VELOCITY (M/S)=         .0010
   STK GAS EXIT TEMP (K)    =     410.9278
   AMBIENT AIR TEMP (K)     =     293.0000
   RECEPTOR HEIGHT (M)      =        .0000
   URBAN/RURAL OPTION       =        RURAL
   BUILDING HEIGHT (M)      =       6.0960
   MIN HORIZ BLDG DIM (M) =        24.3840
   MAX HORIZ BLDG DIM (M) =        32.3090

THE REGULATORY (DEFAULT) MIXING HEIGHT OPTION WAS SELECTED.
THE REGULATORY (DEFAULT) ANEMOMETER HEIGHT OF 10.0 METERS WAS ENTERED.

   STACK EXIT VELOCITY WAS CALCULATED FROM
   VOLUME FLOW RATE =    50.000000      (ACFM)

BUOY. FLUX =      .021 M**4/S**3;  MOM. FLUX =      .000 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.	.0000	0	.0	.0	.0	.00	.00	.00	NA
100.	520.4	6	1.0	1.0	10000.0	7.00	6.60	7.84	SS
200.	322.4	6	1.0	1.0	10000.0	7.00	10.14	9.16	SS
300.	226.3	6	1.0	1.0	10000.0	7.00	13.57	10.42	SS
400.	173.7	6	1.0	1.0	10000.0	7.00	16.92	11.23	SS
500.	137.5	6	1.0	1.0	10000.0	7.00	20.21	12.27	SS
600.	112.2	6	1.0	1.0	10000.0	7.00	23.45	13.26	SS
700.	95.18	6	1.0	1.0	10000.0	7.00	26.64	13.94	SS
800.	81.28	6	1.0	1.0	10000.0	7.00	29.79	14.81	SS
900.	70.45	6	1.0	1.0	10000.0	7.00	32.91	15.65	SS
1000.	61.82	6	1.0	1.0	10000.0	7.00	36.00	16.46	SS
MAXIMUM 1-HR CONCENTRATION AT OR BEYOND 1. M:									
19.	1568.	4	1.0	1.0	320.0	6.10	2.25	4.38	SS

```
 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

****************************************
     *** REGULATORY (Default) ***
```

```
   PERFORMING CAVITY CALCULATIONS
 WITH ORIGINAL SCREEN CAVITY MODEL
        (BRODE, 1988)
****************************************

 *** CAVITY CALCULATION - 1 ***        *** CAVITY CALCULATION - 2 ***
  CONC (UG/M**3)      =    426.5         CONC (UG/M**3)      =    565.1
  CRIT WS @10M (M/S) =      1.00         CRIT WS @10M (M/S) =      1.00
  CRIT WS @ HS (M/S) =      1.00         CRIT WS @ HS (M/S) =      1.00
  DILUTION WS (M/S)  =      1.00         DILUTION WS (M/S)  =      1.00
  CAVITY HT (M)      =      6.15         CAVITY HT (M)      =      6.10
  CAVITY LENGTH (M)  =     24.32         CAVITY LENGTH (M)  =     21.34
  ALONGWIND DIM (M)  =     24.38         ALONGWIND DIM (M)  =     32.31

****************************************
      END OF CAVITY CALCULATIONS
****************************************


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

 CALCULATION          MAX CONC     DIST TO    TERRAIN
  PROCEDURE          (UG/M**3)     MAX (M)     HT (M)
 -------------      -----------   -------    -------
SIMPLE TERRAIN        1568.          19.        0.

BLDG. CAVITY-1        426.5          24.        --   (DIST = CAVITY LENGTH)

BLDG. CAVITY-2        565.1          21.        --   (DIST = CAVITY LENGTH)


****************************************************
** REMEMBER TO INCLUDE BACKGROUND CONCENTRATIONS **
****************************************************
```

03/17/03
10:36:17

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

Teton Oven/Heater -- Downwash, 518 Kit

SIMPLE TERRAIN INPUTS:
   SOURCE TYPE            =        POINT
   EMISSION RATE (G/S)    =      .126000
   STACK HEIGHT (M)       =       6.0960
   STK INSIDE DIAM (M)    =       5.4800
   STK EXIT VELOCITY (M/S)=        .0010
   STK GAS EXIT TEMP (K)  =     410.9278
   AMBIENT AIR TEMP (K)   =     293.0000
   RECEPTOR HEIGHT (M)    =        .0000
   URBAN/RURAL OPTION     =        RURAL
   BUILDING HEIGHT (M)    =       6.0960
   MIN HORIZ BLDG DIM (M) =      24.3840
   MAX HORIZ BLDG DIM (M) =      39.6240

THE REGULATORY (DEFAULT) MIXING HEIGHT OPTION WAS SELECTED.
THE REGULATORY (DEFAULT) ANEMOMETER HEIGHT OF 10.0 METERS WAS ENTERED.

   STACK EXIT VELOCITY WAS CALCULATED FROM
   VOLUME FLOW RATE =   50.000000     (ACFM)

BUOY. FLUX =      .021 M**4/S**3;  MOM. FLUX =      .000 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.	.0000	0	.0	.0	.0	.00	.00	.00	NA
100.	520.4	6	1.0	1.0	10000.0	7.00	6.60	7.84	SS
200.	322.4	6	1.0	1.0	10000.0	7.00	10.14	9.16	SS
300.	226.3	6	1.0	1.0	10000.0	7.00	13.57	10.42	SS
400.	173.7	6	1.0	1.0	10000.0	7.00	16.92	11.23	SS
500.	137.5	6	1.0	1.0	10000.0	7.00	20.21	12.27	SS
600.	112.2	6	1.0	1.0	10000.0	7.00	23.45	13.26	SS
700.	95.18	6	1.0	1.0	10000.0	7.00	26.64	13.94	SS
800.	81.28	6	1.0	1.0	10000.0	7.00	29.79	14.81	SS
900.	70.45	6	1.0	1.0	10000.0	7.00	32.91	15.65	SS
1000.	61.82	6	1.0	1.0	10000.0	7.00	36.00	16.46	SS

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

19.	1568.	4	1.0	1.0	320.0	6.10	2.25	4.38	SS

```
 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

****************************************
     *** REGULATORY (Default) ***
```

```
   PERFORMING CAVITY CALCULATIONS
  WITH ORIGINAL SCREEN CAVITY MODEL
          (BRODE, 1988)
****************************************

 *** CAVITY CALCULATION - 1 ***        *** CAVITY CALCULATION - 2 ***
  CONC (UG/M**3)      =    347.8         CONC (UG/M**3)      =    565.1
  CRIT WS @10M (M/S) =      1.00         CRIT WS @10M (M/S) =      1.00
  CRIT WS @ HS (M/S) =      1.00         CRIT WS @ HS (M/S) =      1.00
  DILUTION WS (M/S)  =      1.00         DILUTION WS (M/S)  =      1.00
  CAVITY HT (M)      =      6.15         CAVITY HT (M)      =      6.10
  CAVITY LENGTH (M)  =     26.42         CAVITY LENGTH (M)  =     21.34
  ALONGWIND DIM (M)  =     24.38         ALONGWIND DIM (M)  =     39.62

****************************************
      END OF CAVITY CALCULATIONS
****************************************


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

 CALCULATION          MAX CONC    DIST TO   TERRAIN
  PROCEDURE          (UG/M**3)    MAX (M)    HT (M)
--------------      -----------  -------   -------
SIMPLE TERRAIN        1568.          19.       0.

BLDG. CAVITY-1        347.8          26.       --   (DIST = CAVITY LENGTH)

BLDG. CAVITY-2        565.1          21.       --   (DIST = CAVITY LENGTH)


****************************************************
** REMEMBER TO INCLUDE BACKGROUND CONCENTRATIONS **
****************************************************
```

SCREEN3 Storage

03/17/03
09:53:44

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

Teton Oven/Heater -- Downwash, Storage Building Immediatley East of 518 Kit

SIMPLE TERRAIN INPUTS:
   SOURCE TYPE              =        POINT
   EMISSION RATE (G/S)      =      .126000
   STACK HEIGHT (M)         =       6.0960
   STK INSIDE DIAM (M)      =       5.4800
   STK EXIT VELOCITY (M/S)=         .0010
   STK GAS EXIT TEMP (K)    =     410.9278
   AMBIENT AIR TEMP (K)     =     293.0000
   RECEPTOR HEIGHT (M)      =       .0000
   URBAN/RURAL OPTION       =       RURAL
   BUILDING HEIGHT (M)      =      7.3150
   MIN HORIZ BLDG DIM (M) =       14.6300
   MAX HORIZ BLDG DIM (M) =       24.3840

THE REGULATORY (DEFAULT) MIXING HEIGHT OPTION WAS SELECTED.
THE REGULATORY (DEFAULT) ANEMOMETER HEIGHT OF 10.0 METERS WAS ENTERED.

   STACK EXIT VELOCITY WAS CALCULATED FROM
   VOLUME FLOW RATE =   50.000000     (ACFM)

BUOY. FLUX =     .021 M**4/S**3;  MOM. FLUX =     .000 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.	.0000	0	.0	.0	.0	.00	.00	.00	NA
100.	236.0	6	1.0	1.0	10000.0	6.42	14.54	9.13	SS
200.	178.5	6	1.0	1.0	10000.0	6.42	17.87	10.39	SS
300.	142.8	6	1.0	1.0	10000.0	6.42	21.14	11.30	SS
400.	116.6	6	1.0	1.0	10000.0	6.42	24.36	12.33	SS
500.	97.29	6	1.0	1.0	10000.0	6.42	27.54	13.33	SS
600.	83.96	6	1.0	1.0	10000.0	6.42	30.68	14.02	SS
700.	72.66	6	1.0	1.0	10000.0	6.42	33.79	14.88	SS
800.	63.66	6	1.0	1.0	10000.0	6.42	36.87	15.72	SS
900.	56.35	6	1.0	1.0	10000.0	6.42	39.93	16.53	SS
1000.	50.33	6	1.0	1.0	10000.0	6.42	42.95	17.32	SS

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

22.	387.2	1	1.0	1.0	320.0	6.10	10.02	5.19	SS

```
 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

****************************************
     *** REGULATORY (Default) ***
```

```
   PERFORMING CAVITY CALCULATIONS
  WITH ORIGINAL SCREEN CAVITY MODEL
          (BRODE, 1988)
****************************************

 *** CAVITY CALCULATION - 1 ***        *** CAVITY CALCULATION - 2 ***
  CONC (UG/M**3)      =    470.9        CONC (UG/M**3)      =    784.9
  CRIT WS @10M (M/S) =      1.00        CRIT WS @10M (M/S) =      1.00
  CRIT WS @ HS (M/S) =      1.00        CRIT WS @ HS (M/S) =      1.00
  DILUTION WS (M/S)  =      1.00        DILUTION WS (M/S)  =      1.00
  CAVITY HT (M)      =      8.18        CAVITY HT (M)      =      7.47
  CAVITY LENGTH (M)  =     23.28        CAVITY LENGTH (M)  =     17.07
  ALONGWIND DIM (M)  =     14.63        ALONGWIND DIM (M)  =     24.38

****************************************
      END OF CAVITY CALCULATIONS
****************************************


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

 CALCULATION          MAX CONC    DIST TO   TERRAIN
  PROCEDURE          (UG/M**3)    MAX (M)    HT (M)
--------------      -----------  -------   -------
SIMPLE TERRAIN        387.2          22.        0.

BLDG. CAVITY-1        470.9          23.       --   (DIST = CAVITY LENGTH)

BLDG. CAVITY-2        784.9          17.       --   (DIST = CAVITY LENGTH)


****************************************************
** REMEMBER TO INCLUDE BACKGROUND CONCENTRATIONS **
****************************************************
```

SCREEN3 Paint Storage TAP

03/17/03
12:29:48

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

Teton TAPs -- Downwash, Paint Storage Directly East of 604 Kit

SIMPLE TERRAIN INPUTS:
   SOURCE TYPE              =        POINT
   EMISSION RATE (G/S)      =      .126000
   STACK HEIGHT (M)         =       7.0104
   STK INSIDE DIAM (M)      =        .9144
   STK EXIT VELOCITY (M/S)=          3.5934
   STK GAS EXIT TEMP (K)    =     293.0000
   AMBIENT AIR TEMP (K)     =     293.0000
   RECEPTOR HEIGHT (M)      =        .0000
   URBAN/RURAL OPTION       =        RURAL
   BUILDING HEIGHT (M)      =       3.0480
   MIN HORIZ BLDG DIM (M) =         6.0960
   MAX HORIZ BLDG DIM (M) =        17.0690

THE REGULATORY (DEFAULT) MIXING HEIGHT OPTION WAS SELECTED.
THE REGULATORY (DEFAULT) ANEMOMETER HEIGHT OF 10.0 METERS WAS ENTERED.

   STACK EXIT VELOCITY WAS CALCULATED FROM
   VOLUME FLOW RATE =   5000.0000     (ACFM)

BUOY. FLUX =     .000 M**4/S**3;  MOM. FLUX =    2.699 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.	.0000	1	1.0	1.0	320.0	16.87	.90	.82	NO
100.	61.34	3	3.0	3.0	960.0	9.74	12.50	7.50	NO
200.	58.82	3	1.0	1.0	320.0	16.87	23.79	14.31	NO
300.	76.25	5	1.0	1.0	10000.0	14.07	17.01	8.93	NO
400.	72.78	5	1.0	1.0	10000.0	14.07	22.10	11.00	NO
500.	76.04	6	1.0	1.0	10000.0	13.44	18.06	8.59	NO
600.	75.33	6	1.0	1.0	10000.0	13.44	21.32	9.86	NO
700.	70.71	6	1.0	1.0	10000.0	13.44	24.53	11.08	NO
800.	64.59	6	1.0	1.0	10000.0	13.44	27.70	12.12	NO
900.	58.66	6	1.0	1.0	10000.0	13.44	30.83	13.11	NO
1000.	53.22	6	1.0	1.0	10000.0	13.44	33.93	14.07	NO
MAXIMUM 1-HR CONCENTRATION AT OR BEYOND 1. M:									
29.	129.9	4	8.0	8.0	2560.0	5.92	2.69	3.54	HS

```
 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

****************************************
     *** REGULATORY (Default) ***
```

```
   PERFORMING CAVITY CALCULATIONS
  WITH ORIGINAL SCREEN CAVITY MODEL
          (BRODE, 1988)
****************************************


 *** CAVITY CALCULATION - 1 ***        *** CAVITY CALCULATION - 2 ***
  CONC (UG/M**3)      =    .0000        CONC (UG/M**3)      =    .0000
  CRIT WS @10M (M/S) =    99.99        CRIT WS @10M (M/S) =    99.99
  CRIT WS @ HS (M/S) =    99.99        CRIT WS @ HS (M/S) =    99.99
  DILUTION WS (M/S)  =    99.99        DILUTION WS (M/S)  =    99.99
  CAVITY HT (M)      =     3.41        CAVITY HT (M)      =     3.05
  CAVITY LENGTH (M)  =    12.45        CAVITY LENGTH (M)  =     7.11
  ALONGWIND DIM (M)  =     6.10        ALONGWIND DIM (M)  =    17.07

CAVITY CONC NOT CALCULATED FOR CRIT WS > 20.0 M/S.  CONC SET = 0.0

****************************************
      END OF CAVITY CALCULATIONS
****************************************


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

 CALCULATION          MAX CONC     DIST TO    TERRAIN
  PROCEDURE          (UG/M**3)     MAX (M)     HT (M)
--------------      -----------   -------    -------
SIMPLE TERRAIN        129.9          29.         0.


**************************************************
** REMEMBER TO INCLUDE BACKGROUND CONCENTRATIONS **
**************************************************
```

03/17/03
12:29:48

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

Teton TAPs -- Downwash, Paint Storage Directly East of 604 Kit

SIMPLE TERRAIN INPUTS:
   SOURCE TYPE              =        POINT
   EMISSION RATE (G/S)      =      .126000
   STACK HEIGHT (M)         =       7.0104
   STK INSIDE DIAM (M)      =        .9144
   STK EXIT VELOCITY (M/S)=          3.5934
   STK GAS EXIT TEMP (K)    =     293.0000
   AMBIENT AIR TEMP (K)     =     293.0000
   RECEPTOR HEIGHT (M)      =        .0000
   URBAN/RURAL OPTION       =        RURAL
   BUILDING HEIGHT (M)      =       3.0480
   MIN HORIZ BLDG DIM (M) =         6.0960
   MAX HORIZ BLDG DIM (M) =        17.0690

THE REGULATORY (DEFAULT) MIXING HEIGHT OPTION WAS SELECTED.
THE REGULATORY (DEFAULT) ANEMOMETER HEIGHT OF 10.0 METERS WAS ENTERED.

   STACK EXIT VELOCITY WAS CALCULATED FROM
   VOLUME FLOW RATE =   5000.0000     (ACFM)

BUOY. FLUX =      .000 M**4/S**3;  MOM. FLUX =    2.699 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.	.0000	1	1.0	1.0	320.0	16.87	.90	.82	NO
100.	61.34	3	3.0	3.0	960.0	9.74	12.50	7.50	NO
200.	58.82	3	1.0	1.0	320.0	16.87	23.79	14.31	NO
300.	76.25	5	1.0	1.0	10000.0	14.07	17.01	8.93	NO
400.	72.78	5	1.0	1.0	10000.0	14.07	22.10	11.00	NO
500.	76.04	6	1.0	1.0	10000.0	13.44	18.06	8.59	NO
600.	75.33	6	1.0	1.0	10000.0	13.44	21.32	9.86	NO
700.	70.71	6	1.0	1.0	10000.0	13.44	24.53	11.08	NO
800.	64.59	6	1.0	1.0	10000.0	13.44	27.70	12.12	NO
900.	58.66	6	1.0	1.0	10000.0	13.44	30.83	13.11	NO
1000.	53.22	6	1.0	1.0	10000.0	13.44	33.93	14.07	NO
MAXIMUM 1-HR CONCENTRATION AT OR BEYOND 1. M:									
29.	129.9	4	8.0	8.0	2560.0	5.92	2.69	3.54	HS

```
 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

****************************************
     *** REGULATORY (Default) ***
```

SCREEN3 Paint Storage TAP

```
   PERFORMING CAVITY CALCULATIONS
  WITH ORIGINAL SCREEN CAVITY MODEL
          (BRODE, 1988)
****************************************


 *** CAVITY CALCULATION - 1 ***        *** CAVITY CALCULATION - 2 ***
  CONC (UG/M**3)      =    .0000        CONC (UG/M**3)      =    .0000
  CRIT WS @10M (M/S) =    99.99        CRIT WS @10M (M/S) =    99.99
  CRIT WS @ HS (M/S) =    99.99        CRIT WS @ HS (M/S) =    99.99
  DILUTION WS (M/S)  =    99.99        DILUTION WS (M/S)  =    99.99
  CAVITY HT (M)      =     3.41        CAVITY HT (M)      =     3.05
  CAVITY LENGTH (M)  =    12.45        CAVITY LENGTH (M)  =     7.11
  ALONGWIND DIM (M)  =     6.10        ALONGWIND DIM (M)  =    17.07

CAVITY CONC NOT CALCULATED FOR CRIT WS > 20.0 M/S.  CONC SET = 0.0

****************************************
      END OF CAVITY CALCULATIONS
****************************************


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

 CALCULATION          MAX CONC    DIST TO   TERRAIN
  PROCEDURE          (UG/M**3)    MAX (M)    HT (M)
--------------      -----------  -------    -------
SIMPLE TERRAIN        129.9          29.        0.


****************************************************
** REMEMBER TO INCLUDE BACKGROUND CONCENTRATIONS **
****************************************************
```

03/17/03
12:28:37

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

Teton TAPs -- Downwash, Mini Storage

SIMPLE TERRAIN INPUTS:
   SOURCE TYPE              =        POINT
   EMISSION RATE (G/S)      =      .126000
   STACK HEIGHT (M)         =       7.0104
   STK INSIDE DIAM (M)      =        .9144
   STK EXIT VELOCITY (M/S)=          3.5934
   STK GAS EXIT TEMP (K)    =     293.0000
   AMBIENT AIR TEMP (K)     =     293.0000
   RECEPTOR HEIGHT (M)      =        .0000
   URBAN/RURAL OPTION       =        RURAL
   BUILDING HEIGHT (M)      =       4.2672
   MIN HORIZ BLDG DIM (M) =         9.1440
   MAX HORIZ BLDG DIM (M) =       141.7300

THE REGULATORY (DEFAULT) MIXING HEIGHT OPTION WAS SELECTED.
THE REGULATORY (DEFAULT) ANEMOMETER HEIGHT OF 10.0 METERS WAS ENTERED.

   STACK EXIT VELOCITY WAS CALCULATED FROM
   VOLUME FLOW RATE =   5000.0000     (ACFM)

BUOY. FLUX =      .000 M**4/S**3;  MOM. FLUX =    2.699 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.	.0000	1	1.0	1.0	320.0	16.87	.90	.82	NO
100.	153.0	6	4.0	4.0	10000.0	8.37	4.13	6.01	HS
200.	97.82	6	3.0	3.0	10000.0	9.74	7.79	7.43	HS
300.	80.32	6	2.0	2.0	10000.0	11.94	11.32	8.82	HS
400.	72.78	5	1.0	1.0	10000.0	14.07	22.10	11.00	NO
500.	76.04	6	1.0	1.0	10000.0	13.44	18.06	8.59	NO
600.	75.33	6	1.0	1.0	10000.0	13.44	21.32	9.86	NO
700.	70.71	6	1.0	1.0	10000.0	13.44	24.53	11.08	NO
800.	64.59	6	1.0	1.0	10000.0	13.44	27.70	12.12	NO
900.	58.66	6	1.0	1.0	10000.0	13.44	30.83	13.11	NO
1000.	53.22	6	1.0	1.0	10000.0	13.44	33.93	14.07	NO
MAXIMUM 1-HR CONCENTRATION AT OR BEYOND 1. M:									
34.	288.5	6	4.0	4.0	10000.0	7.94	1.64	4.51	HS

```
 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

****************************************
     *** REGULATORY (Default) ***
```

SCREEN3 Mini Storage TAP

PERFORMING CAVITY CALCULATIONS
WITH ORIGINAL SCREEN CAVITY MODEL
(BRODE, 1988)

****

*** CAVITY CALCULATION - 1 ***			*** CAVITY CALCULATION - 2 ***		
CONC (UG/M**3)	=	.0000	CONC (UG/M**3)	=	.0000
CRIT WS @10M (M/S)	=	99.99	CRIT WS @10M (M/S)	=	99.99
CRIT WS @ HS (M/S)	=	99.99	CRIT WS @ HS (M/S)	=	99.99
DILUTION WS (M/S)	=	99.99	DILUTION WS (M/S)	=	99.99
CAVITY HT (M)	=	4.69	CAVITY HT (M)	=	4.27
CAVITY LENGTH (M)	=	26.66	CAVITY LENGTH (M)	=	10.42
ALONGWIND DIM (M)	=	9.14	ALONGWIND DIM (M)	=	141.73

CAVITY CONC NOT CALCULATED FOR CRIT WS > 20.0 M/S. CONC SET = 0.0

****
END OF CAVITY CALCULATIONS
****

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

CALCULATION PROCEDURE	MAX CONC (UG/M**3)	DIST TO MAX (M)	TERRAIN HT (M)
SIMPLE TERRAIN	288.5	34.	0.

****
** REMEMBER TO INCLUDE BACKGROUND CONCENTRATIONS **
****

SCREEN3 612 Kit + Storage Wing TAP

03/17/03
12:27:19

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

Teton TAP -- Downwash, 612 Kit + Attached Storage Wing

SIMPLE TERRAIN INPUTS:
   SOURCE TYPE              =        POINT
   EMISSION RATE (G/S)      =      .126000
   STACK HEIGHT (M)         =       7.0104
   STK INSIDE DIAM (M)      =        .9144
   STK EXIT VELOCITY (M/S)=         3.5934
   STK GAS EXIT TEMP (K)    =     293.0000
   AMBIENT AIR TEMP (K)     =     293.0000
   RECEPTOR HEIGHT (M)      =        .0000
   URBAN/RURAL OPTION       =        RURAL
   BUILDING HEIGHT (M)      =       6.0960
   MIN HORIZ BLDG DIM (M) =        18.2880
   MAX HORIZ BLDG DIM (M) =        43.2820

THE REGULATORY (DEFAULT) MIXING HEIGHT OPTION WAS SELECTED.
THE REGULATORY (DEFAULT) ANEMOMETER HEIGHT OF 10.0 METERS WAS ENTERED.

   STACK EXIT VELOCITY WAS CALCULATED FROM
   VOLUME FLOW RATE =    5000.0000      (ACFM)

BUOY. FLUX =      .000 M**4/S**3;  MOM. FLUX =     2.699 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.	.0000	0	.0	.0	.0	.00	.00	.00	NA
100.	326.0	6	2.0	2.0	10000.0	7.80	4.07	5.47	SS
200.	198.5	6	2.0	2.0	10000.0	7.80	7.73	6.90	SS
300.	155.7	6	1.5	1.5	10000.0	9.01	11.23	7.69	SS
400.	122.9	6	1.5	1.5	10000.0	9.01	14.64	9.00	SS
500.	107.1	6	1.0	1.0	10000.0	11.82	17.97	9.32	SS
600.	95.58	6	1.0	1.0	10000.0	11.82	21.24	10.57	SS
700.	84.00	6	1.0	1.0	10000.0	11.82	24.46	11.38	SS
800.	74.28	6	1.0	1.0	10000.0	11.82	27.63	12.41	SS
900.	65.89	6	1.0	1.0	10000.0	11.82	30.78	13.40	SS
1000.	58.97	6	1.0	1.0	10000.0	11.82	33.88	14.17	SS

```
MAXIMUM 1-HR CONCENTRATION AT OR BEYOND     1. M:
    29.   471.5        6     3.0     3.0 10000.0    7.12     1.33     3.84     SS

 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

****************************************
     *** REGULATORY (Default) ***
```

SCREEN3 612 Kit + Storage Wing TAP

PERFORMING CAVITY CALCULATIONS
WITH ORIGINAL SCREEN CAVITY MODEL
(BRODE, 1988)

****

*** CAVITY CALCULATION - 1 ***			*** CAVITY CALCULATION - 2 ***		
CONC (UG/M**3)	=	108.6	CONC (UG/M**3)	=	233.5
CRIT WS @10M (M/S)	=	5.86	CRIT WS @10M (M/S)	=	6.46
CRIT WS @ HS (M/S)	=	5.86	CRIT WS @ HS (M/S)	=	6.46
DILUTION WS (M/S)	=	2.93	DILUTION WS (M/S)	=	3.23
CAVITY HT (M)	=	6.29	CAVITY HT (M)	=	6.10
CAVITY LENGTH (M)	=	27.29	CAVITY LENGTH (M)	=	18.29
ALONGWIND DIM (M)	=	18.29	ALONGWIND DIM (M)	=	43.28

****
END OF CAVITY CALCULATIONS
****

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

CALCULATION PROCEDURE	MAX CONC (UG/M**3)	DIST TO MAX (M)	TERRAIN HT (M)	
SIMPLE TERRAIN	471.5	29.	0.	
BLDG. CAVITY-1	108.6	27.	--	(DIST = CAVITY LENGTH)
BLDG. CAVITY-2	233.5	18.	--	(DIST = CAVITY LENGTH)

****
** REMEMBER TO INCLUDE BACKGROUND CONCENTRATIONS **
****

03/17/03
12:26:13

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

Teton TAPs -- Downwash, 604 Kit

SIMPLE TERRAIN INPUTS:
   SOURCE TYPE            =        POINT
   EMISSION RATE (G/S)    =      .126000
   STACK HEIGHT (M)       =       7.0104
   STK INSIDE DIAM (M)    =        .9144
   STK EXIT VELOCITY (M/S)=       3.5934
   STK GAS EXIT TEMP (K)  =     293.0000
   AMBIENT AIR TEMP (K)   =     293.0000
   RECEPTOR HEIGHT (M)    =        .0000
   URBAN/RURAL OPTION     =        RURAL
   BUILDING HEIGHT (M)    =       6.0960
   MIN HORIZ BLDG DIM (M) =      24.3840
   MAX HORIZ BLDG DIM (M) =      32.3090

THE REGULATORY (DEFAULT) MIXING HEIGHT OPTION WAS SELECTED.
THE REGULATORY (DEFAULT) ANEMOMETER HEIGHT OF 10.0 METERS WAS ENTERED.

   STACK EXIT VELOCITY WAS CALCULATED FROM
   VOLUME FLOW RATE =   5000.0000     (ACFM)

BUOY. FLUX =     .000 M**4/S**3;  MOM. FLUX =    2.699 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.	.0000	0	.0	.0	.0	.00	.00	.00	NA
100.	326.0	6	2.0	2.0	10000.0	7.80	4.07	5.47	SS
200.	198.5	6	2.0	2.0	10000.0	7.80	7.73	6.90	SS
300.	155.7	6	1.5	1.5	10000.0	9.01	11.23	7.69	SS
400.	122.9	6	1.5	1.5	10000.0	9.01	14.64	9.00	SS
500.	107.1	6	1.0	1.0	10000.0	11.82	17.97	9.32	SS
600.	95.58	6	1.0	1.0	10000.0	11.82	21.24	10.57	SS
700.	84.00	6	1.0	1.0	10000.0	11.82	24.46	11.38	SS
800.	74.28	6	1.0	1.0	10000.0	11.82	27.63	12.41	SS
900.	65.89	6	1.0	1.0	10000.0	11.82	30.78	13.40	SS
1000.	58.97	6	1.0	1.0	10000.0	11.82	33.88	14.17	SS

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

29.	471.5	6	3.0	3.0	10000.0	7.12	1.33	3.84	SS

```
 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

****************************************
     *** REGULATORY (Default) ***
```

PERFORMING CAVITY CALCULATIONS
WITH ORIGINAL SCREEN CAVITY MODEL
(BRODE, 1988)
****

*** CAVITY CALCULATION - 1 ***			*** CAVITY CALCULATION - 2 ***		
CONC (UG/M**3)	=	136.9	CONC (UG/M**3)	=	175.1
CRIT WS @10M (M/S)	=	6.23	CRIT WS @10M (M/S)	=	6.46
CRIT WS @ HS (M/S)	=	6.23	CRIT WS @ HS (M/S)	=	6.46
DILUTION WS (M/S)	=	3.12	DILUTION WS (M/S)	=	3.23
CAVITY HT (M)	=	6.15	CAVITY HT (M)	=	6.10
CAVITY LENGTH (M)	=	24.32	CAVITY LENGTH (M)	=	21.34
ALONGWIND DIM (M)	=	24.38	ALONGWIND DIM (M)	=	32.31

****
END OF CAVITY CALCULATIONS
****

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

CALCULATION PROCEDURE	MAX CONC (UG/M**3)	DIST TO MAX (M)	TERRAIN HT (M)	
SIMPLE TERRAIN	471.5	29.	0.	
BLDG. CAVITY-1	136.9	24.	--	(DIST = CAVITY LENGTH)
BLDG. CAVITY-2	175.1	21.	--	(DIST = CAVITY LENGTH)

****
** REMEMBER TO INCLUDE BACKGROUND CONCENTRATIONS **
****

03/17/03
12:21:55

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

Teton TAPs -- Downwash, Storage Building Immediatley East of 518 Kit

SIMPLE TERRAIN INPUTS:
   SOURCE TYPE              =        POINT
   EMISSION RATE (G/S)      =      .126000
   STACK HEIGHT (M)         =       7.0104
   STK INSIDE DIAM (M)      =        .9144
   STK EXIT VELOCITY (M/S)=          3.5934
   STK GAS EXIT TEMP (K)    =     293.0000
   AMBIENT AIR TEMP (K)     =     293.0000
   RECEPTOR HEIGHT (M)      =        .0000
   URBAN/RURAL OPTION       =        RURAL
   BUILDING HEIGHT (M)      =       7.3150
   MIN HORIZ BLDG DIM (M) =        14.6300
   MAX HORIZ BLDG DIM (M) =        24.3840

THE REGULATORY (DEFAULT) MIXING HEIGHT OPTION WAS SELECTED.
THE REGULATORY (DEFAULT) ANEMOMETER HEIGHT OF 10.0 METERS WAS ENTERED.

   STACK EXIT VELOCITY WAS CALCULATED FROM
   VOLUME FLOW RATE =    5000.0000      (ACFM)

BUOY. FLUX =      .000 M**4/S**3;  MOM. FLUX =     2.699 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.	.0000	0	.0	.0	.0	.00	.00	.00	NA
100.	468.2	6	1.5	1.5	10000.0	8.12	4.07	6.64	SS
200.	258.3	6	1.5	1.5	10000.0	8.12	7.73	8.00	SS
300.	204.9	6	1.0	1.0	10000.0	10.04	11.23	8.14	SS
400.	164.8	6	1.0	1.0	10000.0	10.04	14.64	9.44	SS
500.	134.3	6	1.0	1.0	10000.0	10.04	17.97	10.69	SS
600.	112.4	6	1.0	1.0	10000.0	10.04	21.24	11.41	SS
700.	95.17	6	1.0	1.0	10000.0	10.04	24.46	12.44	SS
800.	81.71	6	1.0	1.0	10000.0	10.04	27.63	13.43	SS
900.	71.65	6	1.0	1.0	10000.0	10.04	30.78	14.13	SS
1000.	63.10	6	1.0	1.0	10000.0	10.04	33.88	14.99	SS

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

22.	1031.	6	2.0	2.0	10000.0	7.21	1.04	4.12	SS

```
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

****************************************
     *** REGULATORY (Default) ***
```

```
   PERFORMING CAVITY CALCULATIONS
 WITH ORIGINAL SCREEN CAVITY MODEL
         (BRODE, 1988)
****************************************

 *** CAVITY CALCULATION - 1 ***        *** CAVITY CALCULATION - 2 ***
  CONC (UG/M**3)      =    287.0         CONC (UG/M**3)      =    407.0
  CRIT WS @10M (M/S) =      3.28         CRIT WS @10M (M/S) =      3.86
  CRIT WS @ HS (M/S) =      3.28         CRIT WS @ HS (M/S) =      3.86
  DILUTION WS (M/S)  =      1.64         DILUTION WS (M/S)  =      1.93
  CAVITY HT (M)      =      8.18         CAVITY HT (M)      =      7.47
  CAVITY LENGTH (M)  =     23.28         CAVITY LENGTH (M)  =     17.07
  ALONGWIND DIM (M)  =     14.63         ALONGWIND DIM (M)  =     24.38

****************************************
      END OF CAVITY CALCULATIONS
****************************************


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

 CALCULATION          MAX CONC    DIST TO    TERRAIN
  PROCEDURE          (UG/M**3)    MAX (M)     HT (M)
--------------      -----------  -------    -------
SIMPLE TERRAIN        1031.          22.        0.

BLDG. CAVITY-1        287.0          23.        --   (DIST = CAVITY LENGTH)

BLDG. CAVITY-2        407.0          17.        --   (DIST = CAVITY LENGTH)


****************************************************
** REMEMBER TO INCLUDE BACKGROUND CONCENTRATIONS **
****************************************************
```

03/17/03
12:25:10

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

Teton TAPs -- Downwash, 518 Kit

SIMPLE TERRAIN INPUTS:
   SOURCE TYPE              =        POINT
   EMISSION RATE (G/S)      =      .126000
   STACK HEIGHT (M)         =       7.0104
   STK INSIDE DIAM (M)      =        .9144
   STK EXIT VELOCITY (M/S)=         3.5934
   STK GAS EXIT TEMP (K)    =     293.0000
   AMBIENT AIR TEMP (K)     =     293.0000
   RECEPTOR HEIGHT (M)      =        .0000
   URBAN/RURAL OPTION       =        RURAL
   BUILDING HEIGHT (M)      =       6.0960
   MIN HORIZ BLDG DIM (M) =        24.3840
   MAX HORIZ BLDG DIM (M) =        39.6240

THE REGULATORY (DEFAULT) MIXING HEIGHT OPTION WAS SELECTED.
THE REGULATORY (DEFAULT) ANEMOMETER HEIGHT OF 10.0 METERS WAS ENTERED.

   STACK EXIT VELOCITY WAS CALCULATED FROM
   VOLUME FLOW RATE =   5000.0000     (ACFM)

BUOY. FLUX =     .000 M**4/S**3;  MOM. FLUX =    2.699 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.	.0000	0	.0	.0	.0	.00	.00	.00	NA
100.	326.0	6	2.0	2.0	10000.0	7.80	4.07	5.47	SS
200.	198.5	6	2.0	2.0	10000.0	7.80	7.73	6.90	SS
300.	155.7	6	1.5	1.5	10000.0	9.01	11.23	7.69	SS
400.	122.9	6	1.5	1.5	10000.0	9.01	14.64	9.00	SS
500.	107.1	6	1.0	1.0	10000.0	11.82	17.97	9.32	SS
600.	95.58	6	1.0	1.0	10000.0	11.82	21.24	10.57	SS
700.	84.00	6	1.0	1.0	10000.0	11.82	24.46	11.38	SS
800.	74.28	6	1.0	1.0	10000.0	11.82	27.63	12.41	SS
900.	65.89	6	1.0	1.0	10000.0	11.82	30.78	13.40	SS
1000.	58.97	6	1.0	1.0	10000.0	11.82	33.88	14.17	SS

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

29.	471.5	6	3.0	3.0	10000.0	7.12	1.33	3.84	SS

```
 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

****************************************
     *** REGULATORY (Default) ***
```

PERFORMING CAVITY CALCULATIONS
WITH ORIGINAL SCREEN CAVITY MODEL
(BRODE, 1988)
****

*** CAVITY CALCULATION - 1 ***			*** CAVITY CALCULATION - 2 ***		
CONC (UG/M**3)	=	111.6	CONC (UG/M**3)	=	175.1
CRIT WS @10M (M/S)	=	6.23	CRIT WS @10M (M/S)	=	6.46
CRIT WS @ HS (M/S)	=	6.23	CRIT WS @ HS (M/S)	=	6.46
DILUTION WS (M/S)	=	3.12	DILUTION WS (M/S)	=	3.23
CAVITY HT (M)	=	6.15	CAVITY HT (M)	=	6.10
CAVITY LENGTH (M)	=	26.42	CAVITY LENGTH (M)	=	21.34
ALONGWIND DIM (M)	=	24.38	ALONGWIND DIM (M)	=	39.62

****
END OF CAVITY CALCULATIONS
****

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

CALCULATION PROCEDURE	MAX CONC (UG/M**3)	DIST TO MAX (M)	TERRAIN HT (M)	
SIMPLE TERRAIN	471.5	29.	0.	
BLDG. CAVITY-1	111.6	26.	--	(DIST = CAVITY LENGTH)
BLDG. CAVITY-2	175.1	21.	--	(DIST = CAVITY LENGTH)

****
** REMEMBER TO INCLUDE BACKGROUND CONCENTRATIONS **
****