Appendix 3C: Typical TSP Modeling Output File

```
1                    ISCST3 - (DATED 02035)

              ISCST3X  PC (32 BIT) VERSION  4.0.1
             (C) COPYRIGHT 1991-2002, Trinity Consultants

 Run Began on  8/02/2004 at 12:06:19

 ** BREEZE ISC GIS Pro v4.0.11 - C:\Program Files\BREEZE\ISC\PCEIA-F(Aug)\Dust\dust.dat
 ** Trinity Consultants


 CO STARTING
 CO TITLEONE  Peng Chau STW Upgrade
 CO TITLETWO  Unmitigated Construction Dust Impact Assessment
 CO MODELOPT  DFAULT  CONC  RURAL
 CO AVERTIME  1  24
 CO POLLUTID  TSP
 CO TERRHGTS  FLAT
 CO FLAGPOLE  1.5
 CO RUNORNOT  RUN
 CO FINISHED

 SO STARTING
 SO ELEVUNIT  METERS
 SO LOCATION  S1  AREAPOLY  821392.4  816663.9  0
 ** SRCDESCR  General Construction
 SO LOCATION  S2  AREAPOLY  821380.2  816679.0  0
 ** SRCDESCR  Wind Erosion
 SO LOCATION  S3  AREA  821452.71  816691.63  0
 ** SRCDESCR  Concrete Batching Plant
 SO LOCATION  S4  AREA  821480.28  816694.51  0
 ** SRCDESCR  Concrete Batching Plant
 SO SRCPARAM  S1  1.250000E-04  1    9    0
 SO AREAVERT  S1    821392.4  816663.9  821451.1  816683.3  821438.9  816723.4
 SO AREAVERT  S1    821458.6  816730.2  821450.4  816757.0  821364.8  816728.4
 SO AREAVERT  S1    821380.2  816679.3  821373.0  816671.8  821383.4  816660.0
 SO SRCPARAM  S2  1.347700E-06  1    8    0
 SO AREAVERT  S2    821380.2  816679.0  821365.5  816729.1  821450.8  816757.0
 SO AREAVERT  S2    821459.7  816729.5  821439.7  816723.7  821451.5  816681.8
 SO AREAVERT  S2    821384.5  816658.6  821373.8  816671.8
 SO SRCPARAM  S3  2.220000E-02  1  2  1.9  -17.5  0
 SO SRCPARAM  S4  2.220000E-02  1  2  1.9  -17.5  0
 SO EMISFACT  S1  HROFDY  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  1.0  1.0
 SO EMISFACT  S1  HROFDY  1.0  1.0  1.0  1.0  1.0  1.0  1.0  1.0  0.0  0.0
 SO EMISFACT  S1  HROFDY  0.0  0.0  0.0  0.0
 SO EMISFACT  S3  HROFDY  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
 SO EMISFACT  S3  HROFDY  0.0  0.0  1.0  1.0  1.0  1.0  1.0  0.0  0.0  0.0
 SO EMISFACT  S3  HROFDY  0.0  0.0  0.0  0.0
 SO EMISFACT  S4  HROFDY  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
 SO EMISFACT  S4  HROFDY  0.0  0.0  1.0  1.0  1.0  1.0  1.0  0.0  0.0  0.0
 SO EMISFACT  S4  HROFDY  0.0  0.0  0.0  0.0
 SO SRCGROUP  ALL
 SO FINISHED

 RE STARTING
 RE GRIDCART GRD1 STA 0
 RE GRIDCART GRD1 XYINC  821150.0  19  50.0  816950.0  15  -50.0
 RE GRIDCART GRD1 FLAG  1  1.5  1.5  1.5  1.5  1.5  1.5  1.5  1.5  1.5  1.5
 RE GRIDCART GRD1 FLAG  1  1.5  1.5  1.5  1.5  1.5  1.5  1.5  1.5  1.5
 RE GRIDCART GRD1 FLAG  2  1.5  1.5  1.5  1.5  1.5  1.5  1.5  1.5  1.5  1.5
 RE GRIDCART GRD1 FLAG  2  1.5  1.5  1.5  1.5  1.5  1.5  1.5  1.5  1.5
 RE GRIDCART GRD1 FLAG  3  1.5  1.5  1.5  1.5  1.5  1.5  1.5  1.5  1.5  1.5
 RE GRIDCART GRD1 FLAG  3  1.5  1.5  1.5  1.5  1.5  1.5  1.5  1.5  1.5
 RE GRIDCART GRD1 FLAG  4  1.5  1.5  1.5  1.5  1.5  1.5  1.5  1.5  1.5  1.5
 RE GRIDCART GRD1 FLAG  4  1.5  1.5  1.5  1.5  1.5  1.5  1.5  1.5  1.5
 RE GRIDCART GRD1 FLAG  5  1.5  1.5  1.5  1.5  1.5  1.5  1.5  1.5  1.5  1.5
 RE GRIDCART GRD1 FLAG  5  1.5  1.5  1.5  1.5  1.5  1.5  1.5  1.5  1.5
 RE GRIDCART GRD1 FLAG  6  1.5  1.5  1.5  1.5  1.5  1.5  1.5  1.5  1.5  1.5
 RE GRIDCART GRD1 FLAG  6  1.5  1.5  1.5  1.5  1.5  1.5  1.5  1.5  1.5
 RE GRIDCART GRD1 FLAG  7  1.5  1.5  1.5  1.5  1.5  1.5  1.5  1.5  1.5  1.5
 RE GRIDCART GRD1 FLAG  7  1.5  1.5  1.5  1.5  1.5  1.5  1.5  1.5  1.5
 RE GRIDCART GRD1 FLAG  8  1.5  1.5  1.5  1.5  1.5  1.5  1.5  1.5  1.5  1.5
 RE GRIDCART GRD1 FLAG  8  1.5  1.5  1.5  1.5  1.5  1.5  1.5  1.5  1.5
 RE GRIDCART GRD1 FLAG  9  1.5  1.5  1.5  1.5  1.5  1.5  1.5  1.5  1.5  1.5
 RE GRIDCART GRD1 FLAG  9  1.5  1.5  1.5  1.5  1.5  1.5  1.5  1.5  1.5
 RE GRIDCART GRD1 FLAG  10  1.5  1.5  1.5  1.5  1.5  1.5  1.5  1.5  1.5  1.5
 RE GRIDCART GRD1 FLAG  10  1.5  1.5  1.5  1.5  1.5  1.5  1.5  1.5  1.5
 RE GRIDCART GRD1 FLAG  11  1.5  1.5  1.5  1.5  1.5  1.5  1.5  1.5  1.5  1.5
 RE GRIDCART GRD1 FLAG  11  1.5  1.5  1.5  1.5  1.5  1.5  1.5  1.5  1.5
 RE GRIDCART GRD1 FLAG  12  1.5  1.5  1.5  1.5  1.5  1.5  1.5  1.5  1.5  1.5
 RE GRIDCART GRD1 FLAG  12  1.5  1.5  1.5  1.5  1.5  1.5  1.5  1.5  1.5
 RE GRIDCART GRD1 FLAG  13  1.5  1.5  1.5  1.5  1.5  1.5  1.5  1.5  1.5  1.5
 RE GRIDCART GRD1 FLAG  13  1.5  1.5  1.5  1.5  1.5  1.5  1.5  1.5  1.5
```

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 RE GRIDCART GRD1 FLAG  14  1.5  1.5  1.5  1.5  1.5  1.5  1.5  1.5  1.5  1.5
 RE GRIDCART GRD1 FLAG  14  1.5  1.5  1.5  1.5  1.5  1.5  1.5  1.5  1.5
 RE GRIDCART GRD1 FLAG  15  1.5  1.5  1.5  1.5  1.5  1.5  1.5  1.5  1.5  1.5
 RE GRIDCART GRD1 FLAG  15  1.5  1.5  1.5  1.5  1.5  1.5  1.5  1.5  1.5
 RE GRIDCART GRD1 END
 RE DISCCART  821478.0  816737.0  1.5
 ** RCPDESCR  Peng Chau Refuse Transfer Station (ASR1)
 RE DISCCART  821682.0  816681.0  1.5
 ** RCPDESCR  Sea Crest Villa D (ASR2)
 RE DISCCART  821698.0  816678.0  1.5
 ** RCPDESCR  Sea Crest Villa C (ASR3)
 RE DISCCART  821710.0  816667.0  1.5
 ** RCPDESCR  Sea Crest Villa B (ASR4)
 RE DISCCART  821696.0  816643.0  1.5
 ** RCPDESCR  Sea Crest Villa A (ASR5)
 RE DISCCART  821848.0  816577.0  1.5
 ** RCPDESCR  Temporary Structure (ASR6)
 RE DISCCART  821828.0  816477.0  1.5
 ** RCPDESCR  Kam Peng Estate (ASR7)
 RE DISCCART  821799.0  816394.0  1.5
 ** RCPDESCR  Peng Lai Court (ASR8)
 RE FINISHED

 ME STARTING
 ME INPUTFIL  "C:\PROGRAM FILES\BREEZE\ISC\PCEIA-F(JUNE)\METEO_DATA.ASC"
 ME ANEMHGHT  95  METERS
 ME SURFDATA  00001  2001
 ME UAIRDATA  00002  2001
 ME STARTEND  2001  01  01  1  2001  12  31  24
 ME FINISHED

 OU STARTING
 OU RECTABLE  1  FIRST
 OU RECTABLE  24  FIRST
 OU RECTABLE  ALLAVE  FIRST
 OU FINISHED

 ** PROJECTN  0 104 7 -177 0 0.9996 500000 0
 ** DXF2  "C:\PROGRAM FILES\BREEZE\ISC\PCEIA-F(AUG)\DUST.DXF" 1 0 0 0 0 0
 ** OUTFILE  "C:\PROGRAM FILES\BREEZE\ISC\PCEIA-F(aug)\DUST\DUST.LST"
 ** RAWFILE  "C:\PROGRAM FILES\BREEZE\ISC\PCEIA-F(aug)\DUST\DUST.RAW"
 ** RAWFMT  2
 ** PERCENT
 ** HILLBOUN  0 0 0 0

 ** POLLUTNT IDN  01  TSP  X
 ** POLLUTNT NAM  01  Total Suspended Particulate
 ** POLLUTNT EMS  S1 1.250000E-04
 ** POLLUTNT EMS  S2 1.347700E-06
 ** POLLUTNT EMS  S3 2.220000E-02
 ** POLLUTNT EMS  S4 2.220000E-02


 **********************************
 *** SETUP Finishes Successfully ***
 **********************************

1 *** ISCST3 - VERSION 02035 ***    ***  Peng Chau STW Upgrade
***        08/02/04
                                    ***  Unmitigated Construction Dust Impact Assessment
***        12:06:19
 **MODELOPTs:
PAGE   1
 CONC                    RURAL FLAT  FLGPOL DFAULT

                                          ***     MODEL SETUP OPTIONS SUMMARY       ***
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - -

 **Intermediate Terrain Processing is Selected

 **Model Is Setup For Calculation of Average CONCentration Values.

   --  SCAVENGING/DEPOSITION LOGIC --
 **Model Uses NO DRY DEPLETION.  DDPLETE =  F
 **Model Uses NO WET DEPLETION.  WDPLETE =  F
 **NO WET SCAVENGING Data Provided.
 **NO GAS DRY DEPOSITION Data Provided.
 **Model Does NOT Use GRIDDED TERRAIN Data for Depletion Calculations

 **Model Uses RURAL Dispersion.

 **Model Uses Regulatory DEFAULT Options:
            1. Final Plume Rise.
            2. Stack-tip Downwash.
            3. Buoyancy-induced Dispersion.
            4. Use Calms Processing Routine.
```

```
            5. Not Use Missing Data Processing Routine.
            6. Default Wind Profile Exponents.
            7. Default Vertical Potential Temperature Gradients.
            8. "Upper Bound" Values for Supersquat Buildings.
            9. No Exponential Decay for RURAL Mode

 **Model Assumes Receptors on FLAT Terrain.

 **Model Accepts FLAGPOLE Receptor Heights.

 **Model Calculates  2 Short Term Average(s) of:   1-HR  24-HR

 **This Run Includes:     4 Source(s);      1 Source Group(s); and     293 Receptor(s)

 **The Model Assumes A Pollutant Type of:  TSP

 **Model Set To Continue RUNning After the Setup Testing.

 **Output Options Selected:
          Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)

 **NOTE:  The Following Flags May Appear Following CONC Values:  c for Calm Hours
                                                                 m for Missing Hours
                                                                 b for Both Calm and Missing Hours

 **Misc. Inputs:  Anem. Hgt. (m) =    95.00 ;    Decay Coef. =       0.0000 ;    Rot. Angle =     0.0
                  Emission Units = GRAMS/SEC                              ;  Emission Rate Unit Factor =
0.10000E+07
                  Output Units   = MICROGRAMS/M**3

 **Approximate Storage Requirements of Model =     1.2 MB of RAM.

 **Input Runstream File:          C:\PROGRAM FILES\BREEZE\ISC\PCEIA-F(AUG)\DUST\DUST.DAT
 **Output Print File:             C:\PROGRAM FILES\BREEZE\ISC\PCEIA-F(AUG)\DUST\DUST.LST
1 *** ISCST3 - VERSION 02035 ***    ***  Peng Chau STW Upgrade
***        08/02/04
                                    ***  Unmitigated Construction Dust Impact Assessment
***        12:06:19
 **MODELOPTs:
PAGE   2
 CONC                    RURAL FLAT  FLGPOL DFAULT


                                                *** AREA SOURCE DATA ***

              NUMBER EMISSION RATE  COORD (SW CORNER)  BASE     RELEASE  X-DIM     Y-DIM    ORIENT.
INIT.  EMISSION RATE
    SOURCE     PART.  (GRAMS/SEC       X        Y      ELEV.    HEIGHT  OF AREA   OF AREA   OF AREA     SZ
SCALAR VARY
      ID       CATS.   /METER**2)   (METERS) (METERS) (METERS) (METERS) (METERS)   (METERS)    (DEG.)
(METERS)      BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - -

   S3            0   0.22200E-01  821452.7  816691.6     0.0     1.00      2.00      1.90    -17.50
0.00     HROFDY
   S4            0   0.22200E-01  821480.2  816694.5     0.0     1.00      2.00      1.90    -17.50
0.00     HROFDY
1 *** ISCST3 - VERSION 02035 ***    ***  Peng Chau STW Upgrade
***        08/02/04
                                    ***  Unmitigated Construction Dust Impact Assessment
***        12:06:19
 **MODELOPTs:
PAGE   3
 CONC                    RURAL FLAT  FLGPOL DFAULT


                                             *** AREAPOLY SOURCE DATA ***

              NUMBER EMISSION RATE   LOCATION OF AREA  BASE     RELEASE  NUMBER      INIT.   EMISSION RATE
    SOURCE     PART.  (GRAMS/SEC       X        Y      ELEV.    HEIGHT  OF VERTS.     SZ      SCALAR VARY
      ID       CATS.   /METER**2)   (METERS) (METERS) (METERS) (METERS)            (METERS)       BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - -

   S1            0   0.12500E-03  821392.4  816663.9     0.0     1.00       9         0.00      HROFDY
   S2            0   0.13477E-05  821380.2  816679.0     0.0     1.00       8         0.00
1 *** ISCST3 - VERSION 02035 ***    ***  Peng Chau STW Upgrade
***        08/02/04
                                    ***  Unmitigated Construction Dust Impact Assessment
***        12:06:19
 **MODELOPTs:
PAGE   4
 CONC                    RURAL FLAT  FLGPOL DFAULT
```

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                                        *** SOURCE IDs DEFINING SOURCE GROUPS ***

 GROUP ID                                                SOURCE IDs


  ALL       S1      , S2      , S3      , S4      ,
1 *** ISCST3 - VERSION 02035 ***    ***  Peng Chau STW Upgrade
***        08/02/04
                                    ***  Unmitigated Construction Dust Impact Assessment
***        12:06:19
 **MODELOPTs:
PAGE   5
 CONC                    RURAL FLAT  FLGPOL DFAULT

                           * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

     HOUR    SCALAR      HOUR    SCALAR      HOUR    SCALAR      HOUR    SCALAR      HOUR    SCALAR
HOUR    SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - -


 SOURCE ID = S1       ;  SOURCE TYPE = AREAPOLY :
       1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00
6   .00000E+00
       7   .00000E+00      8   .00000E+00      9   .10000E+01     10   .10000E+01     11   .10000E+01
12   .10000E+01
      13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .10000E+01
18   .10000E+01
      19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00
24   .00000E+00


 SOURCE ID = S3       ;  SOURCE TYPE = AREA     :
       1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00
6   .00000E+00
       7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00
12   .00000E+00
      13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .10000E+01
18   .00000E+00
      19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00
24   .00000E+00


 SOURCE ID = S4       ;  SOURCE TYPE = AREA     :
       1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00
6   .00000E+00
       7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00
12   .00000E+00
      13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .10000E+01
18   .00000E+00
      19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00
24   .00000E+00

1 *** ISCST3 - VERSION 02035 ***    ***  Peng Chau STW Upgrade
***        08/02/04
                                    ***  Unmitigated Construction Dust Impact Assessment
***        12:06:19
 **MODELOPTs:
PAGE   6
 CONC                    RURAL FLAT  FLGPOL DFAULT


                                       *** GRIDDED RECEPTOR NETWORK SUMMARY ***

                                   *** NETWORK ID: GRD1     ;  NETWORK TYPE: GRIDCART ***

                                           *** X-COORDINATES OF GRID ***
                                                   (METERS)

       821150.0,  821200.0,  821250.0,  821300.0,  821350.0,  821400.0,  821450.0,  821500.0,  821550.0,
821600.0,
       821650.0,  821700.0,  821750.0,  821800.0,  821850.0,  821900.0,  821950.0,  822000.0,  822050.0,

                                           *** Y-COORDINATES OF GRID ***
                                                   (METERS)

       816950.0,  816900.0,  816850.0,  816800.0,  816750.0,  816700.0,  816650.0,  816600.0,  816550.0,
816500.0,
       816450.0,  816400.0,  816350.0,  816300.0,  816250.0,
1 *** ISCST3 - VERSION 02035 ***    ***  Peng Chau STW Upgrade
***        08/02/04
                                    ***  Unmitigated Construction Dust Impact Assessment
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***        12:06:19
 **MODELOPTs:
PAGE   7
 CONC                    RURAL FLAT  FLGPOL DFAULT


                                  *** NETWORK ID: GRD1     ;  NETWORK TYPE: GRIDCART ***

                                          * RECEPTOR FLAGPOLE HEIGHTS IN METERS *

    Y-COORD  |                                                  X-COORD (METERS)
    (METERS) |     821150.00    821200.00    821250.00    821300.00    821350.00    821400.00    821450.00
821500.00    821550.00
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - -

   816250.00 |          1.50         1.50         1.50         1.50         1.50         1.50         1.50
1.50         1.50
   816300.00 |          1.50         1.50         1.50         1.50         1.50         1.50         1.50
1.50         1.50
   816350.00 |          1.50         1.50         1.50         1.50         1.50         1.50         1.50
1.50         1.50
   816400.00 |          1.50         1.50         1.50         1.50         1.50         1.50         1.50
1.50         1.50
   816450.00 |          1.50         1.50         1.50         1.50         1.50         1.50         1.50
1.50         1.50
   816500.00 |          1.50         1.50         1.50         1.50         1.50         1.50         1.50
1.50         1.50
   816550.00 |          1.50         1.50         1.50         1.50         1.50         1.50         1.50
1.50         1.50
   816600.00 |          1.50         1.50         1.50         1.50         1.50         1.50         1.50
1.50         1.50
   816650.00 |          1.50         1.50         1.50         1.50         1.50         1.50         1.50
1.50         1.50
   816700.00 |          1.50         1.50         1.50         1.50         1.50         1.50         1.50
1.50         1.50
   816750.00 |          1.50         1.50         1.50         1.50         1.50         1.50         1.50
1.50         1.50
   816800.00 |          1.50         1.50         1.50         1.50         1.50         1.50         1.50
1.50         1.50
   816850.00 |          1.50         1.50         1.50         1.50         1.50         1.50         1.50
1.50         1.50
   816900.00 |          1.50         1.50         1.50         1.50         1.50         1.50         1.50
1.50         1.50
   816950.00 |          1.50         1.50         1.50         1.50         1.50         1.50         1.50
1.50         1.50
1 *** ISCST3 - VERSION 02035 ***    ***  Peng Chau STW Upgrade
***        08/02/04
                                    ***  Unmitigated Construction Dust Impact Assessment
***        12:06:19
 **MODELOPTs:
PAGE   8
 CONC                    RURAL FLAT  FLGPOL DFAULT


                                  *** NETWORK ID: GRD1     ;  NETWORK TYPE: GRIDCART ***

                                          * RECEPTOR FLAGPOLE HEIGHTS IN METERS *

    Y-COORD  |                                                  X-COORD (METERS)
    (METERS) |     821600.00    821650.00    821700.00    821750.00    821800.00    821850.00    821900.00
821950.00    822000.00
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - -

   816250.00 |          1.50         1.50         1.50         1.50         1.50         1.50         1.50
1.50         1.50
   816300.00 |          1.50         1.50         1.50         1.50         1.50         1.50         1.50
1.50         1.50
   816350.00 |          1.50         1.50         1.50         1.50         1.50         1.50         1.50
1.50         1.50
   816400.00 |          1.50         1.50         1.50         1.50         1.50         1.50         1.50
1.50         1.50
   816450.00 |          1.50         1.50         1.50         1.50         1.50         1.50         1.50
1.50         1.50
   816500.00 |          1.50         1.50         1.50         1.50         1.50         1.50         1.50
1.50         1.50
   816550.00 |          1.50         1.50         1.50         1.50         1.50         1.50         1.50
1.50         1.50
   816600.00 |          1.50         1.50         1.50         1.50         1.50         1.50         1.50
1.50         1.50
   816650.00 |          1.50         1.50         1.50         1.50         1.50         1.50         1.50
1.50         1.50
   816700.00 |          1.50         1.50         1.50         1.50         1.50         1.50         1.50
1.50         1.50
   816750.00 |          1.50         1.50         1.50         1.50         1.50         1.50         1.50
1.50         1.50
```

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   816800.00 |         1.50         1.50         1.50         1.50         1.50         1.50         1.50
1.50         1.50
   816850.00 |         1.50         1.50         1.50         1.50         1.50         1.50         1.50
1.50         1.50
   816900.00 |         1.50         1.50         1.50         1.50         1.50         1.50         1.50
1.50         1.50
   816950.00 |         1.50         1.50         1.50         1.50         1.50         1.50         1.50
1.50         1.50
1 *** ISCST3 - VERSION 02035 ***    ***  Peng Chau STW Upgrade
***        08/02/04
                                    ***  Unmitigated Construction Dust Impact Assessment
***        12:06:19
 **MODELOPTs:
PAGE   9
 CONC                   RURAL FLAT  FLGPOL DFAULT


                                  *** NETWORK ID: GRD1     ;  NETWORK TYPE: GRIDCART ***

                                            * RECEPTOR FLAGPOLE HEIGHTS IN METERS *

    Y-COORD  |                                           X-COORD (METERS)
    (METERS) |     822050.00
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - -

   816250.00 |         1.50
   816300.00 |         1.50
   816350.00 |         1.50
   816400.00 |         1.50
   816450.00 |         1.50
   816500.00 |         1.50
   816550.00 |         1.50
   816600.00 |         1.50
   816650.00 |         1.50
   816700.00 |         1.50
   816750.00 |         1.50
   816800.00 |         1.50
   816850.00 |         1.50
   816900.00 |         1.50
   816950.00 |         1.50
1 *** ISCST3 - VERSION 02035 ***    ***  Peng Chau STW Upgrade
***        08/02/04
                                    ***  Unmitigated Construction Dust Impact Assessment
***        12:06:19
 **MODELOPTs:
PAGE  10
 CONC                   RURAL FLAT  FLGPOL DFAULT


                                             *** DISCRETE CARTESIAN RECEPTORS ***
                                               (X-COORD, Y-COORD, ZELEV, ZFLAG)
                                                          (METERS)

     ( 821478.0,  816737.0,       0.0,       1.5);          ( 821682.0,  816681.0,       0.0,       1.5);
_______________________
     ( 821698.0,  816678.0,       0.0,       1.5);          ( 821710.0,  816667.0,       0.0,       1.5);
     ( 821696.0,  816643.0,       0.0,       1.5);          ( 821848.0,  816577.0,       0.0,       1.5);
     ( 821828.0,  816477.0,       0.0,       1.5);          ( 821799.0,  816394.0,       0.0,       1.5);
1 *** ISCST3 - VERSION 02035 ***    ***  Peng Chau STW Upgrade
***        08/02/04
                                    ***  Unmitigated Construction Dust Impact Assessment
***        12:06:19
 **MODELOPTs:
PAGE  11
 CONC                   RURAL FLAT  FLGPOL DFAULT


                                            *** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
                                                             (1=YES; 0=NO)

            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1
1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1
1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1
1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1
1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1
1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1
1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1
1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1
```

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                    METEOROLOGICAL DATA PROCESSED BETWEEN START DATE: 2001   1  1  1
                                                    AND END DATE: 2001  12 31 24

              NOTE:  METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE
DATA FILE.


                                  *** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
                                                  (METERS/SEC)

                                                1.54,   3.09,   5.14,   8.23,  10.80,

                                                *** WIND PROFILE EXPONENTS ***

               STABILITY                                WIND SPEED CATEGORY
               CATEGORY         1             2             3             4             5
6
                  A          .70000E-01    .70000E-01    .70000E-01    .70000E-01    .70000E-01
.70000E-01
                  B          .70000E-01    .70000E-01    .70000E-01    .70000E-01    .70000E-01
.70000E-01
                  C          .10000E+00    .10000E+00    .10000E+00    .10000E+00    .10000E+00
.10000E+00
                  D          .15000E+00    .15000E+00    .15000E+00    .15000E+00    .15000E+00
.15000E+00
                  E          .35000E+00    .35000E+00    .35000E+00    .35000E+00    .35000E+00
.35000E+00
                  F          .55000E+00    .55000E+00    .55000E+00    .55000E+00    .55000E+00
.55000E+00

                                  *** VERTICAL POTENTIAL TEMPERATURE GRADIENTS ***
                                            (DEGREES KELVIN PER METER)

               STABILITY                                WIND SPEED CATEGORY
               CATEGORY         1             2             3             4             5
6
                  A          .00000E+00    .00000E+00    .00000E+00    .00000E+00    .00000E+00
.00000E+00
                  B          .00000E+00    .00000E+00    .00000E+00    .00000E+00    .00000E+00
.00000E+00
                  C          .00000E+00    .00000E+00    .00000E+00    .00000E+00    .00000E+00
.00000E+00
                  D          .00000E+00    .00000E+00    .00000E+00    .00000E+00    .00000E+00
.00000E+00
                  E          .20000E-01    .20000E-01    .20000E-01    .20000E-01    .20000E-01
.20000E-01
                  F          .35000E-01    .35000E-01    .35000E-01    .35000E-01    .35000E-01
.35000E-01
1 *** ISCST3 - VERSION 02035 ***    ***  Peng Chau STW Upgrade
***        08/02/04
                                    ***  Unmitigated Construction Dust Impact Assessment
***        12:06:19
 **MODELOPTs:
PAGE  12
 CONC                    RURAL FLAT  FLGPOL DFAULT


                        *** THE FIRST  24 HOURS OF METEOROLOGICAL DATA ***

      FILE:   C:\PROGRAM FILES\BREEZE\ISC\PCEIA-F(JUNE)\METEO_DATA.ASC
      FORMAT: (4I2,2F9.4,F6.1,I2,2F7.1,f9.4,f10.1,f8.4,i4,f7.2)
      SURFACE STATION NO.:      1                    UPPER AIR STATION NO.:      2
                     NAME: UNKNOWN                                    NAME: UNKNOWN
                     YEAR:   2001                                     YEAR:   2001

               FLOW   SPEED  TEMP  STAB  MIXING HEIGHT (M)  USTAR  M-O LENGTH   Z-0 IPCODE PRATE
 YR MN DY HR VECTOR  (M/S)    (K)  CLASS   RURAL   URBAN     (M/S)      (M)        (M)        (mm/HR)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - -

 01 01 01 01  200.0   3.80  286.1   5     552.0   552.0    0.0000       0.0  0.0000   0   0.00
 01 01 01 02  210.0   3.10  286.5   5     552.0   552.0    0.0000       0.0  0.0000   0   0.00
 01 01 01 03  220.0   3.70  286.7   5     552.0   552.0    0.0000       0.0  0.0000   0   0.00
 01 01 01 04  220.0   4.00  287.2   5     552.0   552.0    0.0000       0.0  0.0000   0   0.00
 01 01 01 05  190.0   4.70  286.5   5     552.0   552.0    0.0000       0.0  0.0000   0   0.00
 01 01 01 06  200.0   5.50  286.8   4     552.0   552.0    0.0000       0.0  0.0000   0   0.00
 01 01 01 07  210.0   5.20  287.1   4     552.0   552.0    0.0000       0.0  0.0000   0   0.00
 01 01 01 08  220.0   6.80  287.8   4     552.0   552.0    0.0000       0.0  0.0000   0   0.00
 01 01 01 09  224.0   5.20  296.0   4     552.0   552.0    0.0000       0.0  0.0000   0   0.00
 01 01 01 10  224.0   5.20  296.0   4     552.0   552.0    0.0000       0.0  0.0000   0   0.00
 01 01 01 11  224.0   5.20  296.0   4     552.0   552.0    0.0000       0.0  0.0000   0   0.00
 01 01 01 12  280.0   3.80  291.7   3     552.0   552.0    0.0000       0.0  0.0000   0   0.00
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 01 01 01 13  210.0   2.70  292.3   2     552.0   552.0    0.0000       0.0  0.0000   0   0.00
 01 01 01 14  290.0   3.00  291.9   2     552.0   552.0    0.0000       0.0  0.0000   0   0.00
 01 01 01 15  290.0   7.40  292.9   4     552.0   552.0    0.0000       0.0  0.0000   0   0.00
 01 01 01 16  290.0   7.20  290.8   4     552.0   552.0    0.0000       0.0  0.0000   0   0.00
 01 01 01 17  290.0   6.70  289.9   4     552.0   552.0    0.0000       0.0  0.0000   0   0.00
 01 01 01 18  270.0   4.80  288.7   5     552.0   552.0    0.0000       0.0  0.0000   0   0.00
 01 01 01 19  280.0   5.30  287.6   4     552.0   552.0    0.0000       0.0  0.0000   0   0.00
 01 01 01 20  280.0   4.70  287.7   5     552.0   552.0    0.0000       0.0  0.0000   0   0.00
 01 01 01 21  260.0   4.20  288.2   5     552.0   552.0    0.0000       0.0  0.0000   0   0.00
 01 01 01 22  230.0   2.50  287.7   6     552.0   552.0    0.0000       0.0  0.0000   0   0.00
 01 01 01 23  190.0   2.10  287.8   6     552.0   552.0    0.0000       0.0  0.0000   0   0.00
 01 01 01 24  250.0   2.70  287.5   6     552.0   552.0    0.0000       0.0  0.0000   0   0.00



 *** NOTES:  STABILITY CLASS 1=A, 2=B, 3=C, 4=D, 5=E AND 6=F.
             FLOW VECTOR IS DIRECTION TOWARD WHICH WIND IS BLOWING.
1 *** ISCST3 - VERSION 02035 ***    ***  Peng Chau STW Upgrade
***        08/02/04
                                    ***  Unmitigated Construction Dust Impact Assessment
***        12:06:19
 **MODELOPTs:
PAGE  13
 CONC                    RURAL FLAT  FLGPOL DFAULT

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP:
ALL      ***
                                  INCLUDING SOURCE(S):      S1      , S2      , S3      , S4      ,

                                   *** NETWORK ID: GRD1     ;  NETWORK TYPE: GRIDCART ***

                                        ** CONC OF TSP      IN MICROGRAMS/M**3                          **

  Y-COORD  |                                                 X-COORD (METERS)
  (METERS) |       821150.00              821200.00              821250.00              821300.00
821350.00
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - -

  816250.0 |    902.38562 (01032710)    313.72781 (01091416)    430.77420 (01020815)    240.24634
(01020815)    266.74924 (01020709)
  816300.0 |    706.29968 (01032710)    781.52478 (01032710)    445.32574 (01020815)    365.31552
(01020815)    337.56464 (01020709)
  816350.0 |    409.91275 (01012416)   1161.25330 (01032710)    429.72751 (01091416)    520.28497
(01020815)    418.18716 (01020709)
  816400.0 |    899.21082 (01050917)    669.77716 (01032710)   1212.17383 (01032710)    663.48804
(01020815)    500.22739 (01020709)
  816450.0 |   1245.66418 (01050917)    985.34906 (01050917)   1427.74219 (01032710)    669.53589
(01020815)    572.57947 (01020709)
  816500.0 |   1343.19556 (01022118)   1531.15930 (01050917)   1086.49670 (01050917)   1920.22253
(01032710)    890.95557 (01020815)
  816550.0 |    731.97186 (01022718)   1489.87805 (01022118)   1937.02942 (01050917)   1650.78870
(01032710)   1331.39148 (01032710)
  816600.0 |    355.64944 (01022718)    904.27277 (01022718)   1618.23669 (01022118)   2567.07617
(01050917)   3182.55249 (01032710)
  816650.0 |   1769.62561 (01060217)   2409.70215 (01060217)   2675.70386 (01060217)   1686.52295
(01022118)   3702.35986 (01022118)
  816700.0 |   1103.36426 (01012513)   1424.00024 (01060217)   2228.80688 (01060217)   2541.90625
(01060217)   3341.03223 (01012513)
  816750.0 |   1431.39917 (01032009)   1687.05457 (01032009)   1955.70264 (01032515)   4052.70020
(01032515)   3177.02808 (01010718)
  816800.0 |   1975.32275 (01032515)   1959.47852 (01032515)   2040.81921 (01032711)   2319.52734
(01091415)   2293.57373 (01091918)
  816850.0 |   1368.30090 (01032711)   1120.93591 (01032711)   1931.61804 (01091415)   1762.78625
(01030118)   1860.13269 (01012018)
  816900.0 |   1046.10046 (01091415)   1574.98938 (01091415)   1435.97229 (01030118)   1498.94873
(01091918)   1564.49512 (01012018)
  816950.0 |   1253.51465 (01091415)   1201.91382 (01030118)   1203.03296 (01091918)   1249.33997
(01012018)   1118.38318 (01012018)
1 *** ISCST3 - VERSION 02035 ***    ***  Peng Chau STW Upgrade
***        08/02/04
                                    ***  Unmitigated Construction Dust Impact Assessment
***        12:06:19
 **MODELOPTs:
PAGE  14
 CONC                    RURAL FLAT  FLGPOL DFAULT

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP:
ALL      ***
                                  INCLUDING SOURCE(S):      S1      , S2      , S3      , S4      ,

                                   *** NETWORK ID: GRD1     ;  NETWORK TYPE: GRIDCART ***

                                        ** CONC OF TSP      IN MICROGRAMS/M**3                          **

  Y-COORD  |                                                 X-COORD (METERS)
  (METERS) |       821400.00              821450.00              821500.00              821550.00
```

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821600.00
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - -

  816250.0 |    876.76880 (01012518)    426.28082 (01012518)    833.07343 (01011118)    208.58292
(01032714)    204.42867 (01050118)
  816300.0 |    975.79169 (01012518)    654.45972 (01011118)    857.72156 (01011118)    272.82800
(01050118)    173.00665 (01050118)
  816350.0 |   1094.05884 (01012518)    939.34619 (01011118)    831.41541 (01011118)    314.28018
(01050118)    115.13664 (01122217)
  816400.0 |   1237.30188 (01012518)   1167.96301 (01011118)    705.99756 (01011118)    297.68051
(01050118)    153.23474 (01122217)
  816450.0 |   1415.49255 (01012518)   1340.97937 (01011118)    481.71570 (01050118)    213.41579
(01050118)    516.30273 (01071515)
  816500.0 |   1648.03772 (01012518)   1542.54443 (01011118)    555.32629 (01050118)    567.55627
(01071515)    796.90173 (01071515)
  816550.0 |   1975.09143 (01012518)   1824.64001 (01011118)    618.43567 (01071515)    973.62915
(01071515)    685.07593 (01071515)
  816600.0 |   2437.76758 (01012518)   2219.00073 (01011118)   1252.13074 (01071515)    915.68353
(01071515)    852.77399 (01120718)
  816650.0 |   3194.36182 (01012518)   2658.61255 (01011118)   1614.63379 (01120718)   1733.78467
(01071617)   1716.16699 (01071617)
  816700.0 |   3172.84277 (01071713)  11348.80664 (01120717)   7723.84473 (01061114)   1848.11768
(01020918)   1410.03809 (01020918)
  816750.0 |   3505.14502 (01042111)   3956.43384 (01093018)   2986.97974 (01071509)   3003.77881
(01042417)   1742.01611 (01071509)
  816800.0 |   2509.29126 (01101718)   3045.83472 (01091618)   2244.94434 (01071510)   2442.28101
(01042417)   1594.73572 (01042417)
  816850.0 |   2027.02429 (01101718)   2247.08887 (01042111)   2679.65283 (01093018)   1268.48718
(01071510)   1164.74854 (01042417)
  816900.0 |   1680.84778 (01101718)   1835.19019 (01042111)   1873.47009 (01091618)   1223.36011
(01093018)    778.58435 (01071510)
  816950.0 |   1434.35803 (01101718)   1543.74915 (01042111)   1668.29663 (01091618)   1721.54126
(01093018)    878.20801 (01071510)
1 *** ISCST3 - VERSION 02035 ***    ***  Peng Chau STW Upgrade
***        08/02/04
                                    ***  Unmitigated Construction Dust Impact Assessment
***        12:06:19
 **MODELOPTs:
PAGE  15
 CONC                    RURAL FLAT  FLGPOL DFAULT

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP:
ALL      ***
                                  INCLUDING SOURCE(S):      S1      , S2      , S3      , S4      ,

                                   *** NETWORK ID: GRD1     ;  NETWORK TYPE: GRIDCART ***

                                        ** CONC OF TSP      IN MICROGRAMS/M**3                            **

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |      821650.00              821700.00              821750.00              821800.00
821850.00
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - -

  816250.0 |     80.46438 (01122217)     90.86566 (01122217)    230.43150 (01071515)    356.03662
(01071515)    260.58087 (01071515)
  816300.0 |    109.67087 (01122217)    214.65848 (01071515)    399.57742 (01071515)    327.56281
(01071515)    137.23181 (01092518)
  816350.0 |    187.72221 (01071515)    439.78403 (01071515)    411.65280 (01071515)    174.04027
(01092518)    187.21350 (01092518)
  816400.0 |    477.36658 (01071515)    515.44672 (01071515)    222.79085 (01092518)    208.43764
(01092518)    151.44295 (01120718)
  816450.0 |    640.00464 (01071515)    286.73764 (01092518)    224.74666 (01092518)    279.48645
(01120718)    339.19943 (01120718)
  816500.0 |    426.39017 (01071515)    289.04672 (01120718)    438.64050 (01120718)    367.95062
(01120718)    210.18137 (01120718)
  816550.0 |    567.83282 (01120718)    530.30847 (01120718)    360.49503 (01071617)    541.40369
(01071617)    574.01440 (01071617)
  816600.0 |    714.68781 (01071617)    941.18054 (01071617)    753.51031 (01071617)    443.38644
(01020918)    586.54865 (01020918)
  816650.0 |   1418.30835 (01020918)   1299.58008 (01020918)   1131.60400 (01020918)    957.57593
(01020918)    785.63684 (01020918)
  816700.0 |    995.44806 (01020918)    571.92914 (01020918)    451.30750 (01022109)    381.48401
(01022109)    326.32956 (01022109)
  816750.0 |   1397.30811 (01071509)   1214.66357 (01071509)   1029.84094 (01071509)    772.26233
(01071509)    506.94559 (01071509)
  816800.0 |   1568.94653 (01042417)    512.21649 (01071509)    828.56610 (01071509)    939.80554
(01071509)    916.31506 (01071509)
  816850.0 |   1601.57629 (01042417)   1256.49011 (01042417)    814.35040 (01042417)    221.82869
(01041418)    170.86295 (01041418)
  816900.0 |    767.76587 (01091818)   1111.09412 (01042417)   1166.41504 (01042417)    990.78809
(01042417)    445.94089 (01042417)
  816950.0 |    511.06030 (01071510)    632.27454 (01091818)    367.81577 (01042417)    955.24896
(01042417)    933.55676 (01042417)
1 *** ISCST3 - VERSION 02035 ***    ***  Peng Chau STW Upgrade
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***        08/02/04
                                   ***  Unmitigated Construction Dust Impact Assessment
***        12:06:19
 **MODELOPTs:
PAGE  16
 CONC                    RURAL FLAT  FLGPOL DFAULT

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP:
ALL      ***
                                  INCLUDING SOURCE(S):      S1      , S2      , S3      , S4      ,

                                   *** NETWORK ID: GRD1     ;  NETWORK TYPE: GRIDCART ***

                                        ** CONC OF TSP      IN MICROGRAMS/M**3                          **

  Y-COORD  |                                              X-COORD (METERS)
  (METERS) |       821900.00              821950.00              822000.00              822050.00
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - -

  816250.0 |    109.53581 (01092518)    142.69133 (01092518)    112.22588 (01092518)     59.00371
(01092518)
  816300.0 |    164.52179 (01092518)    114.05977 (01092518)     93.79327 (01120718)    156.44328
(01120718)
  816350.0 |    111.49506 (01092518)    160.55556 (01120718)    217.34016 (01120718)    208.49271
(01120718)
  816400.0 |    251.16681 (01120718)    264.54373 (01120718)    199.45027 (01120718)    115.89706
(01120718)
  816450.0 |    266.79227 (01120718)    152.76001 (01120718)    202.26459 (01071617)    271.34604
(01071617)
  816500.0 |    324.49274 (01071617)    398.69846 (01071617)    382.94467 (01071617)    305.85782
(01071617)
  816550.0 |    452.57440 (01071617)    294.08655 (01071617)    175.22011 (01020918)    260.35236
(01020918)
  816600.0 |    671.85706 (01020918)    695.83685 (01020918)    672.19629 (01020918)    615.92200
(01020918)
  816650.0 |    610.25641 (01020918)    442.65475 (01020918)    301.48560 (01020918)    195.83702
(01020918)
  816700.0 |    282.10471 (01022109)    246.17325 (01022109)    216.63797 (01022109)    192.06517
(01022109)
  816750.0 |    303.30109 (01071509)    172.47482 (01071509)    156.35130 (01022109)    143.31940
(01022109)
  816800.0 |    845.48993 (01071509)    756.96625 (01071509)    650.37817 (01071509)    530.18011
(01071509)
  816850.0 |    145.12117 (01071509)    276.10477 (01071509)    397.55533 (01071509)    481.46637
(01071509)
  816900.0 |    152.75714 (01041418)    137.50977 (01041418)    110.20338 (01041418)     81.55553
(01041418)
  816950.0 |    724.40479 (01042417)    273.99744 (01042417)    104.55125 (01041418)    104.32744
(01041418)
1 *** ISCST3 - VERSION 02035 ***    ***  Peng Chau STW Upgrade
***        08/02/04
                                   ***  Unmitigated Construction Dust Impact Assessment
***        12:06:19
 **MODELOPTs:
PAGE  17
 CONC                    RURAL FLAT  FLGPOL DFAULT

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP:
ALL      ***
                                  INCLUDING SOURCE(S):      S1      , S2      , S3      , S4      ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                        ** CONC OF TSP      IN MICROGRAMS/M**3                          **

     X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)  Y-COORD (M)        CONC
(YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - -
        821478.00    816737.00     3647.01538  (01071509)               821682.00    816681.00
1142.79285  (01020918)
        821698.00    816678.00     1097.04016  (01020918)               821710.00    816667.00
1168.54187  (01020918)
        821696.00    816643.00     1244.24561  (01020918)               821848.00    816577.00
449.49731  (01071617)
        821828.00    816477.00      356.83426  (01120718)               821799.00    816394.00
216.44286  (01092518)
1 *** ISCST3 - VERSION 02035 ***    ***  Peng Chau STW Upgrade
***        08/02/04
                                   ***  Unmitigated Construction Dust Impact Assessment
***        12:06:19
 **MODELOPTs:
PAGE  18
 CONC                    RURAL FLAT  FLGPOL DFAULT

                              *** THE   1ST HIGHEST 24-HR AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP:
```

```
ALL      ***
                                  INCLUDING SOURCE(S):      S1      , S2      , S3      , S4      ,

                                   *** NETWORK ID: GRD1     ;  NETWORK TYPE: GRIDCART ***

                                        ** CONC OF TSP      IN MICROGRAMS/M**3                          **

  Y-COORD  |                                                 X-COORD (METERS)
  (METERS) |       821150.00              821200.00              821250.00              821300.00
821350.00
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - -

  816250.0 |     39.85201 (01041424)     15.68675c(01091424)     20.28216 (01020824)     18.67026
(01020824)     16.31957 (01111524)
  816300.0 |     31.87387 (01041424)     35.29837 (01041424)     20.90370 (01020824)     23.35807
(01020824)     20.77887 (01020824)
  816350.0 |     20.16966 (01020324)     51.78917 (01041424)     23.19879 (01121724)     28.78309
(01020824)     27.79115 (01020824)
  816400.0 |     43.21639c(01050924)     31.41970 (01041424)     55.04648 (01041424)     34.00163
(01020824)     36.56433 (01020824)
  816450.0 |     71.15714c(01071924)     49.96029c(01091424)     65.14376 (01041424)     40.43438
(01121724)     48.34808 (01020824)
  816500.0 |     56.63951 (01022124)     88.69890c(01071924)     68.44939c(01091424)     89.04792
(01041424)     65.65098 (01020824)
  816550.0 |     48.11184 (01022724)     63.17215 (01022124)    114.75199c(01071924)
108.82111c(01091424)     90.89432 (01020824)
  816600.0 |     27.21523 (01010424)     59.34687 (01022724)     80.69222 (01022724)
162.94408c(01091424)    174.40582c(01091424)
  816650.0 |     84.95253 (01060224)    113.43078 (01060224)    126.87382 (01060224)    127.37112
(01040624)    284.51840c(01091424)
  816700.0 |     55.01540c(01010824)     79.15471 (01060224)    125.33772 (01060224)    167.39842
(01060224)    368.29822 (01040624)
  816750.0 |     74.08517c(01090124)     91.31059 (01050424)    122.90515 (01050424)
176.22456c(01032524)    354.45847 (01100824)
  816800.0 |     85.88360c(01032524)     85.19472c(01032524)    126.67854 (01111724)    167.59834
(01100824)    201.96851 (01100824)
  816850.0 |     77.31484 (01111724)     74.97197 (01111724)     98.25832c(01091424)    136.73341
(01100824)    135.01913c(01102724)
  816900.0 |     56.66139 (01010724)     79.43340c(01091424)    101.98456 (01100824)
76.05970c(01091924)    108.55157c(01102724)
  816950.0 |     63.01243c(01091424)     79.86944 (01100824)     59.88644c(01091924)
69.85384c(01102724)     78.79286c(01102724)
1 *** ISCST3 - VERSION 02035 ***    ***  Peng Chau STW Upgrade
***        08/02/04
                                   ***  Unmitigated Construction Dust Impact Assessment
***        12:06:19
 **MODELOPTs:
PAGE  19
 CONC                    RURAL FLAT  FLGPOL DFAULT

                              *** THE   1ST HIGHEST 24-HR AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP:
ALL      ***
                                  INCLUDING SOURCE(S):      S1      , S2      , S3      , S4      ,

                                   *** NETWORK ID: GRD1     ;  NETWORK TYPE: GRIDCART ***

                                        ** CONC OF TSP      IN MICROGRAMS/M**3                          **

  Y-COORD  |                                                 X-COORD (METERS)
  (METERS) |       821400.00              821450.00              821500.00              821550.00
821600.00
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - -

  816250.0 |     47.91665c(01012524)     28.77705 (01032724)     50.40850 (01011124)     15.45845
(01011124)     15.69767 (01102824)
  816300.0 |     53.96631c(01012524)     42.80035 (01011124)     53.56930 (01011124)     18.43322
(01102824)     15.14942 (01102824)
  816350.0 |     61.40717c(01012524)     59.57557 (01011124)     54.52370 (01011124)     22.32080
(01102824)     12.41794 (01102824)
  816400.0 |     70.77906c(01012524)     75.67246 (01011124)     50.81593 (01011124)     23.87964
(01102824)     17.65534 (01092924)
  816450.0 |     83.09491c(01012524)     91.44400 (01011124)     41.38906 (01011124)     22.17694
(01102824)     32.45269 (01031124)
  816500.0 |    104.39880 (01032724)    110.97525 (01011124)     40.09431 (01102824)     38.37205
(01092924)     49.93209 (01031124)
  816550.0 |    145.48529 (01032724)    138.24780 (01011124)     61.05953 (01031124)     66.58955
(01031124)     43.35553 (01031124)
  816600.0 |    242.91620 (01011124)    191.63118 (01011124)    111.08753 (01031124)     69.80048
(01031124)     35.85567 (01120724)
  816650.0 |    489.94730 (01032724)    299.42825 (01031124)     96.80787c(01071624)
128.27884c(01071624)    115.25282c(01071624)
  816700.0 |    633.77692c(01091424)    798.16071c(01122324)    466.72406c(01061124)
125.13210c(01052224)     69.08717 (01020924)
  816750.0 |    485.87091c(01091424)    628.99695c(01090524)    237.59177c(01090524)
171.39865c(01090524)     75.86657c(01071524)
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  816800.0 |    229.39880 (01012024)    241.93996c(01112424)    165.40982c(01090524)
161.58273c(01090524)     98.68906c(01090524)
  816850.0 |    130.35422c(01101724)    172.19745c(01112424)    141.72606c(01093024)
65.72965c(01091724)     90.66682c(01090524)
  816900.0 |    103.24465c(01101724)    129.92476c(01112424)     96.44577c(01091624)
62.97363c(01093024)     39.74775c(01091724)
  816950.0 |     85.40891c(01101724)    102.27207c(01112424)     86.52055c(01091624)
87.31270c(01093024)     38.29351c(01071524)
1 *** ISCST3 - VERSION 02035 ***    ***  Peng Chau STW Upgrade
***        08/02/04                      ***  Unmitigated Construction Dust Impact Assessment
***        12:06:19
 **MODELOPTs:
PAGE  20
 CONC                    RURAL FLAT  FLGPOL DFAULT

                              *** THE   1ST HIGHEST 24-HR AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP:
ALL      ***
                                 INCLUDING SOURCE(S):      S1      , S2      , S3      , S4      ,

                                  *** NETWORK ID: GRD1     ;  NETWORK TYPE: GRIDCART ***

                                       ** CONC OF TSP      IN MICROGRAMS/M**3                          **

  Y-COORD  |                                          X-COORD (METERS)
  (METERS) |       821650.00              821700.00              821750.00              821800.00
821850.00
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - -

  816250.0 |      7.81140c(01101624)      9.05247 (01092924)     14.18432 (01031124)     19.13404
(01031124)     14.70329 (01031124)
  816300.0 |     10.37845c(01101624)     14.14090 (01031124)     22.14534 (01031124)     18.35443
(01031124)      8.36994 (01031124)
  816350.0 |     15.47102 (01092924)     25.40488 (01031124)     23.21587 (01031124)     10.54369
(01031124)      8.50138 (01092524)
  816400.0 |     28.81462 (01031124)     29.75944 (01031124)     13.71866 (01031124)      9.45089
(01092524)      6.62914c(01070424)
  816450.0 |     38.41709 (01031124)     18.71850 (01031124)     10.21883 (01092524)     11.76052
(01120724)     14.14365 (01120724)
  816500.0 |     27.28460 (01031124)     13.10076c(01070424)     18.36768 (01120724)     15.33423
(01120724)     15.62086c(01071624)
  816550.0 |     23.96712 (01120724)     22.15379 (01120724)     27.96666c(01071624)
38.86354c(01071624)     39.88927c(01071624)
  816600.0 |     54.78583c(01071624)     65.96400c(01071624)     52.49067c(01071624)
31.43735c(01071624)     27.80952 (01020924)
  816650.0 |     69.33340 (01020924)     62.39174 (01020924)     53.55001 (01020924)     44.84689
(01020924)     36.58369 (01020924)
  816700.0 |     48.10088 (01020924)     31.52978c(01052224)     23.95061c(01052224)
18.91955c(01052224)     15.32845c(01052224)
  816750.0 |     60.80656c(01071524)     52.83024c(01071524)     44.78213c(01071524)
33.57895c(01071524)     22.04202c(01071524)
  816800.0 |     68.21507c(01042424)     28.58126c(01051924)     36.08612c(01071524)
40.89508c(01071524)     39.85717c(01071524)
  816850.0 |     82.11188c(01090524)     55.92786c(01090524)     35.40654c(01042424)     17.75025
(01071224)     14.07479c(01051924)
  816900.0 |     47.88571c(01090524)     58.06316c(01090524)     50.71370c(01042424)
43.07774c(01042424)     20.73732c(01090524)
  816950.0 |     26.63416c(01091724)     30.80353c(01090524)     35.89368c(01090524)
41.53256c(01042424)     40.58942c(01042424)
1 *** ISCST3 - VERSION 02035 ***    ***  Peng Chau STW Upgrade
***        08/02/04                      ***  Unmitigated Construction Dust Impact Assessment
***        12:06:19
 **MODELOPTs:
PAGE  21
 CONC                    RURAL FLAT  FLGPOL DFAULT

                              *** THE   1ST HIGHEST 24-HR AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP:
ALL      ***
                                 INCLUDING SOURCE(S):      S1      , S2      , S3      , S4      ,

                                  *** NETWORK ID: GRD1     ;  NETWORK TYPE: GRIDCART ***

                                       ** CONC OF TSP      IN MICROGRAMS/M**3                          **

  Y-COORD  |                                          X-COORD (METERS)
  (METERS) |       821900.00              821950.00              822000.00              822050.00
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - -

  816250.0 |      6.87180 (01031124)      6.52789 (01092524)      4.79897 (01092524)
3.04796c(01070424)
  816300.0 |      7.48326 (01092524)      4.86567 (01092524)      3.97934c(01070424)      6.52572
(01120724)
  816350.0 |      4.74415 (01092524)      6.72648 (01120724)      9.05894 (01120724)      8.68729
(01120724)
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  816400.0 |     10.48756 (01120724)     11.02359 (01120724)      8.31044 (01120724)
6.19051c(01071624)
  816450.0 |     11.11651 (01120724)      9.49968c(01071624)     15.07368c(01071624)
19.24671c(01071624)
  816500.0 |     23.71784c(01071624)     27.92675c(01071624)     26.49987c(01071624)
21.35572c(01071624)
  816550.0 |     31.65008c(01071624)     21.20506c(01071624)     12.70897c(01071624)     12.53111
(01020924)
  816600.0 |     31.08979 (01020924)     31.74500 (01020924)     30.41783 (01020924)     27.75690
(01020924)
  816650.0 |     28.45437 (01020924)     20.85569 (01020924)     14.52316 (01020924)      9.76600
(01020924)
  816700.0 |     12.67681c(01052224)     10.73520c(01090524)      9.31132c(01090524)
8.15626c(01090524)
  816750.0 |     14.67043c(01052224)     12.23031c(01052224)     10.34618c(01052224)
8.87649c(01052224)
  816800.0 |     36.76907c(01071524)     32.91587c(01071524)     28.27949c(01071524)
23.05244c(01071524)
  816850.0 |     11.67236c(01051924)     12.02942c(01071524)     17.30020c(01071524)
20.94237c(01071524)
  816900.0 |     12.56042 (01071224)      9.75228 (01071224)      8.49127c(01051924)
7.16046c(01051924)
  816950.0 |     31.49586c(01042424)     14.20265c(01090524)      9.05490 (01071224)      7.58836
(01071224)
1 *** ISCST3 - VERSION 02035 ***    ***  Peng Chau STW Upgrade
***        08/02/04
                                    ***  Unmitigated Construction Dust Impact Assessment
***        12:06:19
 **MODELOPTs:
PAGE  22
 CONC                    RURAL FLAT  FLGPOL DFAULT

                              *** THE   1ST HIGHEST 24-HR AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP:
ALL      ***
                                 INCLUDING SOURCE(S):      S1      , S2      , S3      , S4      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                       ** CONC OF TSP      IN MICROGRAMS/M**3                          **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)  Y-COORD (M)        CONC
(YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - -
        821478.00    816737.00      344.39026c (01090524)               821682.00    816681.00
55.51804  (01020924)
        821698.00    816678.00       53.03010  (01020924)               821710.00    816667.00
56.27704  (01020924)
        821696.00    816643.00       59.73711  (01020924)               821848.00    816577.00
31.99746c (01071624)
        821828.00    816477.00       14.87188  (01120724)               821799.00    816394.00
10.01307  (01092524)
1 *** ISCST3 - VERSION 02035 ***    ***  Peng Chau STW Upgrade
***        08/02/04
                                    ***  Unmitigated Construction Dust Impact Assessment
***        12:06:19
 **MODELOPTs:
PAGE  23
 CONC                    RURAL FLAT  FLGPOL DFAULT

                                             *** THE SUMMARY OF HIGHEST  1-HR RESULTS ***


                                       ** CONC OF TSP      IN MICROGRAMS/M**3                          **

                                                  DATE
NETWORK
 GROUP ID                         AVERAGE CONC     (YYMMDDHH)             RECEPTOR  (XR, YR, ZELEV, ZFLAG)
OF TYPE  GRID-ID
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - -

 ALL      HIGH  1ST HIGH VALUE IS   11348.80664  ON 01120717: AT (  821450.00,   816700.00,      0.00,
1.50)  GC   GRD1


  *** RECEPTOR TYPES:  GC = GRIDCART
                       GP = GRIDPOLR
                       DC = DISCCART
                       DP = DISCPOLR
                       BD = BOUNDARY
1 *** ISCST3 - VERSION 02035 ***    ***  Peng Chau STW Upgrade
***        08/02/04
                                    ***  Unmitigated Construction Dust Impact Assessment
***        12:06:19
 **MODELOPTs:
PAGE  24
```

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 CONC                    RURAL FLAT  FLGPOL DFAULT

                                          *** THE SUMMARY OF HIGHEST 24-HR RESULTS ***


                                       ** CONC OF TSP      IN MICROGRAMS/M**3                          **

                                                 DATE
NETWORK
 GROUP ID                          AVERAGE CONC     (YYMMDDHH)             RECEPTOR  (XR, YR, ZELEV, ZFLAG)
OF TYPE  GRID-ID
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - -

 ALL      HIGH  1ST HIGH VALUE IS     798.16071c ON 01122324: AT (  821450.00,   816700.00,      0.00,
1.50)  GC   GRD1


  *** RECEPTOR TYPES:  GC = GRIDCART
                       GP = GRIDPOLR
                       DC = DISCCART
                       DP = DISCPOLR
                       BD = BOUNDARY
1 *** ISCST3 - VERSION 02035 ***    ***  Peng Chau STW Upgrade
***        08/02/04
                                    ***  Unmitigated Construction Dust Impact Assessment
***        12:06:19
 **MODELOPTs:
PAGE  25
 CONC                    RURAL FLAT  FLGPOL DFAULT


 *** Message Summary : ISCST3 Model Execution ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            0 Warning Message(s)
 A Total of          244 Informational Message(s)

 A Total of          244 Calm Hours Identified


    ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***


    ********   WARNING MESSAGES   ********
               ***  NONE  ***


    ***********************************
    *** ISCST3 Finishes Successfully ***
    ***********************************
```