APPENDIX F

GENERATING STATION STATIONERY SOURCE AIR DISPERSION MODELING INFORMATION

- **Air Dispersion Modeling Results Summary**
- **Gas Turbine Emission Rates**
- **Cooling Tower Emission Rates**
- **Source Parameters**
- **Building Parameters**
- **Modeling Grid Summary**
- **Summary of Air Dispersion Calculations**
- **Windrose Information**
- **Modeling Log**
- **SCREEN# Fumigation Run**
- **Select ISCST3 Print-Outs**

Revised Generating Station Air Dispersion Modeling Results Summary
Riverside Energy Resource Center

Description	Time Period	Maximum Concentrations ($\mu g/m^3$)		Receptor UTM Coordinates
Run#: RIVERSIDECEC01				
- Generating Station Emissions	**1-Hour**	5.82660	UTM E	458796
- Normal Operations			UTM N	3760343.5
- Gas Turbine Emissions Only				
- No PM Emissions	**3-Hour**	5.74174	UTM E	458796
- ($\mu g/m^3$ @ 1.00 g/s for NOx, CO, SOx)			UTM N	3760343.5
	8-Hour	4.05330	UTM E	458996
			UTM N	3760343.5
	24-Hour	2.34810	UTM E	458996
			UTM N	3760343.5
	Annual	0.24320	UTM E	459496
			UTM N	3757443.5
Run#: RIVERSIDECEC02				
- Generating Station Emissions	**24-Hour**	1.79701	UTM E	458996
- Normal and Commisioning Operations			UTM N	3760343.5
- 24-Hour PM Run				
- Cooling Tower PM Emission Rate: 0.02 lbs/hr				
- Gas Turbine PM Emission Rate: 3.0 lbs/hr (per gas turbine)				
Run#: RIVERSIDECEC03				
- Generating Station Emissions	**Annual**	0.1871	UTM E	459496
- Normal and Commisioning Operations			UTM N	3757443.5
- Annual PM Run				
- Cooling Tower Emission Rate: 0.004 lbs/hr				
- Gas Turbine Emission Rate: 0.45 lbs/hr (per gas turbine)				

Revised Point Source Parameters
Riverside ERC

Description	Turbine 1	Turbine 2	Cooling Tower
UTM E (m)	458296	458296	458296 (Cell #1)
UTM N (m)	3757943.6	3757980.1	3757958.6
Elevation (ft)	725	725	725
Height (ft)	80	80	18.3
Diameter (ft)	13	13	13
Temperature (F)	830	830	90
Flow Rate (acfm)	575520	575520	613000 (204,333 / cell)

Building Coordinates
Riverside Energy Resource Center

	UTME	UTMN	Length	Width	Height	Dia.	Elevation
Admin/Control Room	458204.6	3757879.6	114'	66'	30'	n/a	725'
Warehouse	458204.6	3757879.6	60'	84'	35'	n/a	725'
Tank	458277.7	3758126.4	n/a	n/a	30'	40'	725'
Fire Water Tank	458314.3	3758117.3	n/a	n/a	40'	48'	725'
Cooling Tower Building	458285.8	3757956.3	71.7	13.9	18.3	n/a	725'
Turbine Building 1a	458251.6	3757941.8	90'	15'	25'	n/a	725'
Turbine Building 1b	458279	3757941	60'	20'	35'	n/a	725'
Turbine Building 2a	458251.6	3757978.5	90'	15'	25'	n/a	725'
Turbine Building 2b	458279	3757978	60'	20'	35'	n/a	725'

Modeling Grids
Riverside Energy Resource Center

	Km Out	Spacing	UTME	UTMN
Grid #1	0-2	30 meter	457296	3756943.6
Grid #2	2-5	100 meter	455796	3756943.6
Grid #3	5-10	200 meter	453296	3752943.6

Generating Station Air Dispersion Modeling Log
Riverside ERC

Run No.	Run Type	Comments:
Generating Station Emissions AQIA:		
RIVERSIDECEC01	AQIA Run	Normal Year Operations & Commissioning Year Operations No PM or cooling tower No HE > ZI
RIVERSIDECEC02	AQIA Run	Normal Year Operations & Commissioning Year Operations PM & cooling towers No HE > ZI 24 hr. only
RIVERSIDECEC03	AQIA Run	Normal Year Operations & Commissioning Year Operations PM & cooling towers No HE > ZI Annual only Emission rates scaled for 1330 hr/yr

Summary of Air Dispersion Calculations

The basic air dispersion equation used in the model assumes that the concentrations of emissions within a plume can be characterized by a Gaussian distribution as it correlate to the centerline of the plume. Concentrations at any location downwind of a point source such as a stack can be determined from the following equation:

$$C(x,y,z,H) = \left(\frac{Q}{2\pi\sigma_y\sigma_z u}\right) * \left(e^{-1/2(y/\sigma y)^2}\right) * \left[\left\{e^{-1/2(z-H/\sigma z)^2}\right\} + \left\{e^{-1/2(z+H/\sigma z)^2}\right\}\right]$$

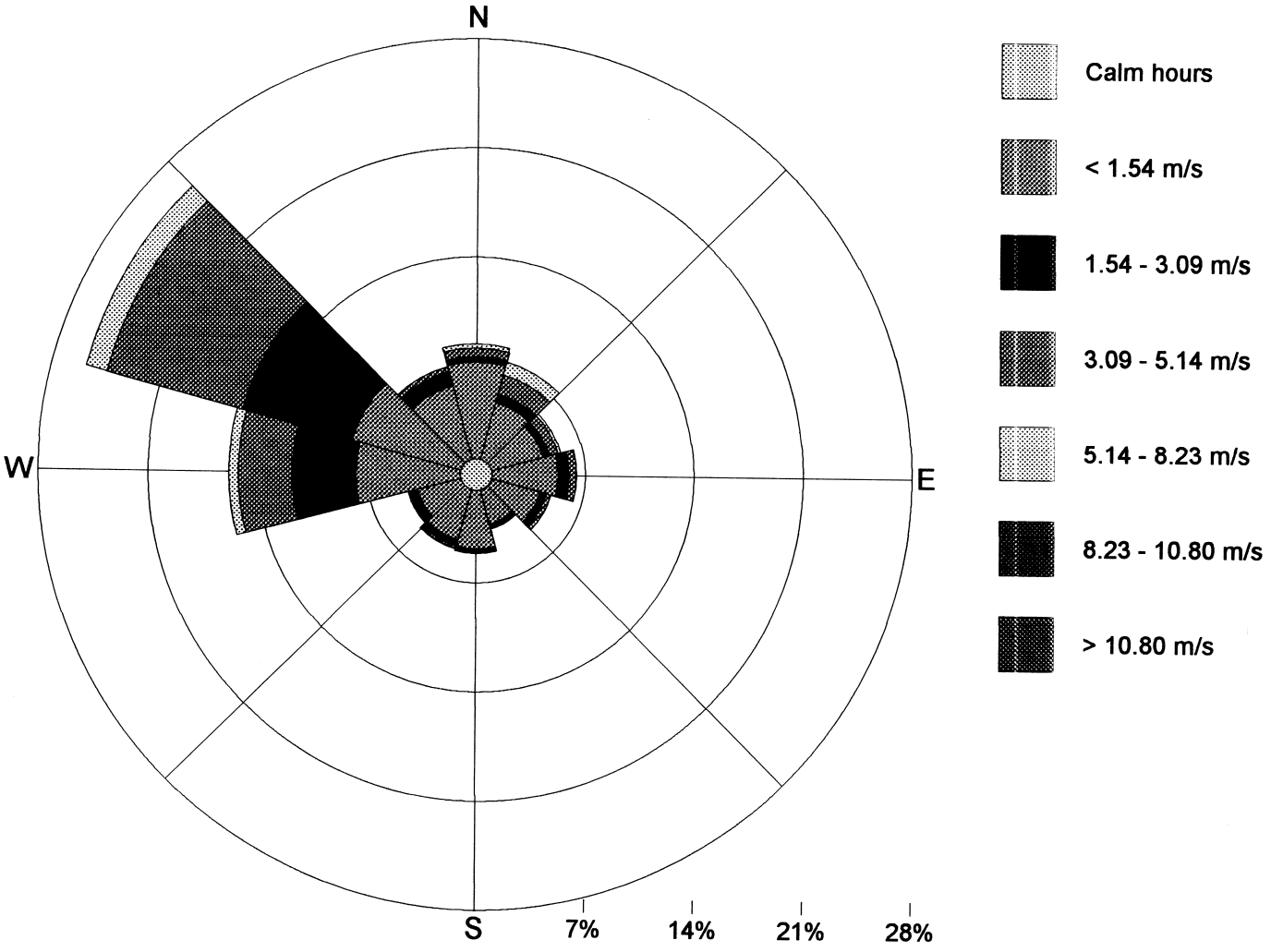
Where:

C	=	The concentration of the subject pollutant in the air.
Q	=	The pollutant emission rate.
$\sigma_y\sigma_z$	=	The horizontal and vertical dispersion coefficients, respectively, at downwind distance x.
u	=	The wind speed at the height of the plume centerline.
x,y,z	=	The variables the define the 3-deminsional Cartesian coordinate system used in the model for receptor grid points; downwind, crosswind, and vertical distances from the base of the stack.
H	=	The height of the plume above the stack base (the sum of the height of the stack and the vertical distance that the plume rises due to the momentum and/or buoyancy of the plume).

The Gaussian dispersion model, which are approved by the USEPA, are based on conservative assumptions (i.e., the model tends to over predict actual impacts by assuming steady-state conditions, no pollutant loss through conservation of mass, no atmospheric chemical reactions, etc.).

Windrose Information
Riverside Energy Resource Center

Surface Station: Riverside, CA
Surface Station #: 54139
Surface Station Year: 1981



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                    ISCST3 - (DATED 02035)

             ISCST3X  PC (32 BIT) VERSION  4.0.0
            (C) COPYRIGHT 1991-2002, Trinity Consultants

 Run Began on  6/03/2004 at  8:35:18

 ** BREEZE ISC GIS Pro v4.0.7 - C:\BREEZE\RiversideCEC01.dat
 ** Trinity Consultants


 CO STARTING
 CO TITLEONE  Riverside ERC
 CO TITLETWO  CEC Modeling Run #01
 CO MODELOPT  CONC  URBAN  NOCALM  HE>ZI
 CO AVERTIME  1  3  8  24  ANNUAL
 CO POLLUTID  OTHER
 CO TERRHGTS  ELEV
 CO RUNORNOT  RUN
 CO FINISHED

 SO STARTING
 SO ELEVUNIT  METERS
 SO LOCATION  SRC1  POINT  458296.0  3757943.6  220.98
 ** SRCDESCR  Turbine #1
 SO LOCATION  SRC2  POINT  458296.0  3757980.1  220.98
 ** SRCDESCR  Turbine #2
 SO SRCPARAM  SRC1  5.000000E-01  24.384  716.4833  22.02661  3.9624
 SO SRCPARAM  SRC2  5.000000E-01  24.384  716.4833  22.02661  3.9624
```

Riverside ERC

AQIA Modeling

Gas Turbines Only

6/3/04

**MODELOPTs:
CONC URBAN ELEV NOCALM HE>ZI

*** THE MAXIMUM 10 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): SRC1 , SRC2 ,

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

RANK	CONC	(YYMMDDHH)	AT	RECEPTOR (XR,YR)	OF TYPE	RANK	CONC	(YYMMDDHH)	AT	RECEPTOR (XR,YR)	OF TYPE
1.	5.82660	(81122402)	AT	(458696.00, 3760243.50)	DC	6.	5.81573	(81112906)	AT	(458696.00, 3760243.50)	DC
2.	5.82348	(81020107)	AT	(458696.00, 3760243.50)	DC	7.	5.81437	(81020224)	AT	(458696.00, 3760243.50)	DC
3.	5.82040	(81122802)	AT	(458696.00, 3760243.50)	DC	8.	5.81437	(81030307)	AT	(458696.00, 3760243.50)	DC
4.	5.81737	(81013022)	AT	(458696.00, 3760243.50)	DC	9.	5.81276	(81120804)	AT	(458696.00, 3760243.50)	DC
5.	5.81573	(81011003)	AT	(458696.00, 3760243.50)	DC	10.	5.81276	(81120805)	AT	(458696.00, 3760243.50)	DC

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR
BD = BOUNDARY

**MODELOPTs:
CONC URBAN ELEV NOCALM HE>ZI

*** THE MAXIMUM 10 3-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): SRC1 , SRC2 ,

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

RANK	CONC	(YYMMDDHH)	AT	RECEPTOR (XR,YR)	OF TYPE	RANK	CONC	(YYMMDDHH)	AT	RECEPTOR (XR,YR)	OF TYPE
1.	5.74174	(81070403)	AT	(458796.00, 3760343.50)	DC	6.	5.41813	(81070403)	AT	(458796.00, 3760243.50)	DC
2.	5.58552	(81070524)	AT	(458996.00, 3760343.50)	DC	7.	5.33898	(81070403)	AT	(458896.00, 3760443.50)	DC
3.	5.58323	(81070403)	AT	(458996.00, 3760343.50)	DC	8.	5.28497	(81070524)	AT	(458996.00, 3760443.50)	DC
4.	5.58180	(81070324)	AT	(458996.00, 3760343.50)	DC	9.	5.28285	(81070403)	AT	(458996.00, 3760443.50)	DC
5.	5.53065	(81070403)	AT	(458896.00, 3760343.50)	DC	10.	5.28153	(81070324)	AT	(458996.00, 3760443.50)	DC

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR
BD = BOUNDARY

**MODELOPTs: HE>ZI
CONC URBAN ELEV NOCALM

*** THE MAXIMUM 10 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): SRC1 , SRC2 ,

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

RANK	CONC	(YYMMDDHH)	AT	RECEPTOR (XR,YR)	OF TYPE	RANK	CONC	(YYMMDDHH)	AT	RECEPTOR (XR,YR)	OF TYPE
1.	4.05330	(81070408)	AT	(458996.00, 3760343.50)	DC	6.	3.54915	(81070324)	AT	(458996.00, 3760343.50)	DC
2.	4.00500	(81070408)	AT	(458896.00, 3760343.50)	DC	7.	3.54772	(81070408)	AT	(458896.00, 3760243.50)	DC
3.	3.87646	(81070408)	AT	(458896.00, 3760443.50)	DC	8.	3.48303	(81070524)	AT	(458996.00, 3760343.50)	DC
4.	3.83787	(81070408)	AT	(458996.00, 3760443.50)	DC	9.	3.45497	(81070408)	AT	(458796.00, 3760343.50)	DC
5.	3.65551	(81070408)	AT	(458996.00, 3760243.50)	DC	10.	3.36420	(81070508)	AT	(458996.00, 3760343.50)	DC

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR
BD = BOUNDARY

**MODELOPTs: HE>ZI
CONC URBAN ELEV NOCALM

*** THE MAXIMUM 10 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): SRC1 , SRC2 ,

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

RANK	CONC	(YYMMDDHH)	AT	RECEPTOR (XR,YR)	OF TYPE	RANK	CONC	(YYMMDDHH)	AT	RECEPTOR (XR,YR)	OF TYPE
1.	2.34810	(81070524)	AT	(458996.00, 3760343.50)	DC	6.	1.99688	(81070424)	AT	(458996.00, 3760243.50)	DC
2.	2.22235	(81070524)	AT	(458996.00, 3760443.50)	DC	7.	1.96442	(81070524)	AT	(458996.00, 3760143.50)	DC
3.	2.17264	(81070424)	AT	(458996.00, 3760343.50)	DC	8.	1.91066	(81070524)	AT	(459296.00, 3760743.50)	DC
4.	2.16948	(81070524)	AT	(458996.00, 3760243.50)	DC	9.	1.90410	(81070524)	AT	(458896.00, 3760343.50)	DC
5.	2.05629	(81070424)	AT	(458996.00, 3760443.50)	DC	10.	1.89301	(81070424)	AT	(458896.00, 3760243.50)	DC

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR
BD = BOUNDARY

**MODELOPTs: HE>ZI
CONC URBAN ELEV NOCALM

*** THE SUMMARY OF MAXIMUM ANNUAL (1 YRS) RESULTS ***

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

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	1ST HIGHEST VALUE IS	0.24320 AT	(459496.00, 3757443.50, 268.49, 0.00)	DC	NA
	2ND HIGHEST VALUE IS	0.22735 AT	(459396.00, 3757443.50, 265.37, 0.00)	DC	NA
	3RD HIGHEST VALUE IS	0.22634 AT	(459596.00, 3757443.50, 265.54, 0.00)	DC	NA
	4TH HIGHEST VALUE IS	0.22627 AT	(459896.00, 3757343.50, 269.51, 0.00)	DC	NA
	5TH HIGHEST VALUE IS	0.22445 AT	(459496.00, 3757543.50, 265.54, 0.00)	DC	NA
	6TH HIGHEST VALUE IS	0.22411 AT	(459396.00, 3757543.50, 261.03, 0.00)	DC	NA
	7TH HIGHEST VALUE IS	0.22267 AT	(459296.00, 3757543.50, 257.52, 0.00)	DC	NA
	8TH HIGHEST VALUE IS	0.22039 AT	(459596.00, 3757343.50, 268.66, 0.00)	DC	NA
	9TH HIGHEST VALUE IS	0.21566 AT	(459096.00, 3757633.50, 246.18, 0.00)	DC	NA
	10TH HIGHEST VALUE IS	0.21356 AT	(459796.00, 3757343.50, 261.85, 0.00)	DC	NA

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR
BD = BOUNDARY

```
                    ISCST3 - (DATED 02035)

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Run Began on  6/07/2004 at  9:45:21

** BREEZE ISC GIS Pro v4.0.7 - C:\BREEZE\RiversideCEC02.dat
** Trinity Consultants


CO STARTING
CO TITLEONE  Riverside ERC
CO TITLETWO  CEC Modeling Run #02 (PM Emissions - 24-Hour Only)
CO MODELOPT  CONC  URBAN  NOCALM  HE>ZI
CO AVERTIME  24
CO POLLUTID  OTHER
CO TERRHGTS  ELEV
CO RUNORNOT  RUN
CO FINISHED

SO STARTING
SO ELEVUNIT  METERS
SO LOCATION  SRC1  POINT  458296.0  3757943.6  220.98
** SRCDESCR  Turbine #1
SO LOCATION  SRC2  POINT  458296.0  3757980.1  220.98
** SRCDESCR  Turbine #2
SO LOCATION  SRC3  POINT  458291.0  3757958.0  220.98
** SRCDESCR  Cooling Tower #1
SO LOCATION  SRC4  POINT  458296.0  3757958.0  220.98
** SRCDESCR  Cooling Tower #2
SO LOCATION  SRC5  POINT  458301.0  3757958.0  220.98
** SRCDESCR  Cooling Tower #3
SO SRCPARAM  SRC1  3.779937E-01  24.384  716.4833  22.02661  3.9624
SO SRCPARAM  SRC2  3.779937E-01  24.384  716.4833  22.02661  3.9624
SO SRCPARAM  SRC3  2.519958E-03  5.57784  305.3722  7.82034  3.9624
SO SRCPARAM  SRC4  2.519958E-03  5.57784  305.3722  7.82034  3.9624
SO SRCPARAM  SRC5  2.519958E-03  5.57784  305.3722  7.82034  3.9624
```

Riverside ERC

AQIA Modeling

Turbines + Cooling Tower

24-Hour Run - PM

**MODELOPTs:
CONC URBAN ELEV NOCALM HE>ZI

*** THE MAXIMUM 10 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): SRC1 , SRC2 , SRC3 , SRC4 , SRC5 ,

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

RANK	CONC	(YYMMDDHH)	AT	RECEPTOR (XR,YR)	OF TYPE	RANK	CONC	(YYMMDDHH)	AT	RECEPTOR (XR,YR)	OF TYPE
1.	1.79701	(81070524)	AT	(458996.00, 3760343.50)	DC	6.	1.53457	(81070424)	AT	(458996.00, 3760243.50)	DC
2.	1.70070	(81070524)	AT	(458996.00, 3760443.50)	DC	7.	1.51556	(81070524)	AT	(458996.00, 3760143.50)	DC
3.	1.66590	(81070524)	AT	(458996.00, 3760243.50)	DC	8.	1.46387	(81070524)	AT	(459296.00, 3760743.50)	DC
4.	1.66414	(81070424)	AT	(458996.00, 3760343.50)	DC	9.	1.45842	(81070524)	AT	(458896.00, 3760343.50)	DC
5.	1.57486	(81070424)	AT	(458996.00, 3760443.50)	DC	10.	1.45520	(81070424)	AT	(458896.00, 3760243.50)	DC

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

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                    ISCST3 - (DATED 02035)

          ISCST3X  PC (32 BIT) VERSION  4.0.0
         (C) COPYRIGHT 1991-2002, Trinity Consultants

 Run Began on  6/07/2004 at 10:11:09

 ** BREEZE ISC GIS Pro v4.0.7 - C:\BREEZE\RiversideCEC03.dat
 ** Trinity Consultants


 CO STARTING
 CO TITLEONE  Riverside ERC
 CO TITLETWO  CEC Modeling Run #02 (PM Emissions - Annual Only)
 CO MODELOPT  CONC  URBAN  NOCALM  HE>ZI
 CO AVERTIME  ANNUAL
 CO POLLUTID  OTHER
 CO TERRHGTS  ELEV
 CO RUNORNOT  RUN
 CO FINISHED

 SO STARTING
 SO ELEVUNIT  METERS
 SO LOCATION  SRC1  POINT  458296.0  3757943.6  220.98
 ** SRCDESCR  Turbine #1
 SO LOCATION  SRC2  POINT  458296.0  3757980.1  220.98
 ** SRCDESCR  Turbine #2
 SO LOCATION  SRC3  POINT  458291.0  3757958.0  220.98
 ** SRCDESCR  Cooling Tower #1
 SO LOCATION  SRC4  POINT  458296.0  3757958.0  220.98
 ** SRCDESCR  Cooling Tower #2
 SO LOCATION  SRC5  POINT  458301.0  3757958.0  220.98
 ** SRCDESCR  Cooling Tower #3
 SO SRCPARAM  SRC1  3.779937E-01  24.384  716.4833  22.02661  3.9624
 SO SRCPARAM  SRC2  3.779937E-01  24.384  716.4833  22.02661  3.9624
 SO SRCPARAM  SRC3  5.039916E-04  5.57784  305.3722  7.82034  3.9624
 SO SRCPARAM  SRC4  5.039916E-04  5.57784  305.3722  7.82034  3.9624
 SO SRCPARAM  SRC5  5.039916E-04  5.57784  305.3722  7.82034  3.9624
```

Riverside ERC

AQIA Modeling

Turbines + Cooling Tower

Annual PM Run

**MODELOPTs:
CONC URBAN ELEV NOCALM HE>ZI

*** THE SUMMARY OF MAXIMUM ANNUAL (1 YRS) RESULTS ***

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

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	1ST HIGHEST VALUE IS	0.18710 AT	(459496.00, 3757443.50, 268.49, 0.00)	DC	NA
	2ND HIGHEST VALUE IS	0.17533 AT	(459396.00, 3757443.50, 265.37, 0.00)	DC	NA
	3RD HIGHEST VALUE IS	0.17404 AT	(459596.00, 3757443.50, 265.54, 0.00)	DC	NA
	4TH HIGHEST VALUE IS	0.17321 AT	(459896.00, 3757343.50, 269.51, 0.00)	DC	NA
	5TH HIGHEST VALUE IS	0.17313 AT	(459396.00, 3757543.50, 261.03, 0.00)	DC	NA
	6TH HIGHEST VALUE IS	0.17291 AT	(459496.00, 3757543.50, 265.54, 0.00)	DC	NA
	7TH HIGHEST VALUE IS	0.17257 AT	(459296.00, 3757543.50, 257.52, 0.00)	DC	NA
	8TH HIGHEST VALUE IS	0.16929 AT	(459596.00, 3757343.50, 268.66, 0.00)	DC	NA
	9TH HIGHEST VALUE IS	0.16847 AT	(459096.00, 3757633.50, 246.18, 0.00)	DC	NA
	10TH HIGHEST VALUE IS	0.16638 AT	(459096.00, 3757603.50, 247.55, 0.00)	DC	NA

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR
BD = BOUNDARY

09:57:00

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

RIVERSIDECEC01 ** 64.008

Riverside ERC
Fumigation Analysis
(@ 1.0 g/s)

SIMPLE TERRAIN INPUTS:
SOURCE TYPE = POINT
EMISSION RATE (G/S) = 1.00000
STACK HEIGHT (M) = 24.3840
STK INSIDE DIAM (M) = 3.9624
STK EXIT VELOCITY (M/S)= 22.0266
STK GAS EXIT TEMP (K) = 716.4833
AMBIENT AIR TEMP (K) = 293.0000
RECEPTOR HEIGHT (M) = 0.0000
URBAN/RURAL OPTION = RURAL
BUILDING HEIGHT (M) = 0.0000
MIN HORIZ BLDG DIM (M) = 0.0000
MAX HORIZ BLDG DIM (M) = 0.0000

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

STACK EXIT VELOCITY WAS CALCULATED FROM
VOLUME FLOW RATE = 271.61520 (M**3/S)

BUOY. FLUX = 501.110 M**4/S**3; MOM. FLUX = 778.777 M**4/S**2.

*** STABILITY CLASS 6 ONLY ***
*** ANEMOMETER HEIGHT WIND SPEED OF 2.50 M/S ONLY ***

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

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

DIST (M)	CONC (UG/M**3)	STAB	U10M (M/S)	USTK (M/S)	MIX HT (M)	PLUME HT (M)	SIGMA Y (M)	SIGMA Z (M)	DWASH
65.	0.000	6	2.5	4.1	10000.0	146.97	14.64	14.47	NO
100.	0.5371E-10	6	2.5	4.1	10000.0	146.97	19.59	19.31	NO
200.	0.8524E-03	6	2.5	4.1	10000.0	146.97	31.39	30.70	NO
300.	0.1120E-01	6	2.5	4.1	10000.0	146.97	36.78	35.47	NO
400.	0.1216E-01	6	2.5	4.1	10000.0	146.97	37.96	35.73	NO
500.	0.1332E-01	6	2.5	4.1	10000.0	146.97	39.36	36.02	NO
600.	0.1470E-01	6	2.5	4.1	10000.0	146.97	40.96	36.34	NO
700.	0.1632E-01	6	2.5	4.1	10000.0	146.97	42.72	36.69	NO
800.	0.1782E-01	6	2.5	4.1	10000.0	146.97	44.61	37.01	NO
900.	0.1947E-01	6	2.5	4.1	10000.0	146.97	46.62	37.35	NO
1000.	0.2128E-01	6	2.5	4.1	10000.0	146.97	48.73	37.70	NO
1100.	0.2302E-01	6	2.5	4.1	10000.0	146.97	50.92	38.03	NO
1200.	0.2487E-01	6	2.5	4.1	10000.0	146.97	53.18	38.36	NO
1300.	0.2685E-01	6	2.5	4.1	10000.0	146.97	55.49	38.70	NO
1400.	0.2895E-01	6	2.5	4.1	10000.0	146.97	57.85	39.05	NO
1500.	0.3119E-01	6	2.5	4.1	10000.0	146.97	60.25	39.39	NO
1600.	0.3357E-01	6	2.5	4.1	10000.0	146.97	62.69	39.74	NO
1700.	0.3608E-01	6	2.5	4.1	10000.0	146.97	65.15	40.09	NO
1800.	0.3873E-01	6	2.5	4.1	10000.0	146.97	67.64	40.45	NO
1900.	0.4153E-01	6	2.5	4.1	10000.0	146.97	70.15	40.80	NO
2000.	0.4447E-01	6	2.5	4.1	10000.0	146.97	72.67	41.16	NO

2100.	0.4688E-01	6	2.5	4.1	10000.0	146.97	75.21	41.47	NO
2200.	0.4936E-01	6	2.5	4.1	10000.0	146.97	77.76	41.78	NO
2300.	0.5191E-01	6	2.5	4.1	10000.0	146.97	80.32	42.09	NO
2400.	0.5452E-01	6	2.5	4.1	10000.0	146.97	82.88	42.39	NO
2500.	0.5719E-01	6	2.5	4.1	10000.0	146.97	85.45	42.70	NO
2600.	0.5992E-01	6	2.5	4.1	10000.0	146.97	88.03	43.00	NO
2700.	0.6271E-01	6	2.5	4.1	10000.0	146.97	90.61	43.31	NO
2800.	0.6556E-01	6	2.5	4.1	10000.0	146.97	93.20	43.61	NO
2900.	0.6846E-01	6	2.5	4.1	10000.0	146.97	95.78	43.91	NO
3000.	0.7141E-01	6	2.5	4.1	10000.0	146.97	98.37	44.21	NO
3500.	0.8284E-01	6	2.5	4.1	10000.0	146.97	111.31	45.46	NO
4000.	0.9439E-01	6	2.5	4.1	10000.0	146.97	124.21	46.66	NO
4500.	0.1060	6	2.5	4.1	10000.0	146.97	137.05	47.83	NO
5000.	0.1174	6	2.5	4.1	10000.0	146.97	149.82	48.96	NO

ITERATION STOPPED AT 50 - MAX NOT FOUND!!!

MAXIMUM 1-HR CONCENTRATION AT OR BEYOND 65. M:

7880.	0.1740	6	2.5	4.1	10000.0	146.97	222.03	54.72	NO

DWASH= MEANS NO CALC MADE (CONC = 0.0)
DWASH=NO MEANS NO BUILDING DOWNWASH USED
DWASH=HS MEANS HUBER-SNYDER DOWNWASH USED
DWASH=SS MEANS SCHULMAN-SCIRE DOWNWASH USED
DWASH=NA MEANS DOWNWASH NOT APPLICABLE, X<3*LB

*** INVERSION BREAK-UP FUMIGATION CALC. ***
CONC (UG/M**3) = 1.054
DIST TO MAX (M) = 18264.51

****
*** SUMMARY OF SCREEN MODEL RESULTS ***
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CALCULATION PROCEDURE	MAX CONC (UG/M**3)	DIST TO MAX (M)	TERRAIN HT (M)
SIMPLE TERRAIN	0.1740	7880.	0.
INV BREAKUP FUMI	1.054	18265.	--

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** REMEMBER TO INCLUDE BACKGROUND CONCENTRATIONS **
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