

Scenario: M_R1

Emission Rate Calculations for Modeling

		before RC after RC before RC After RC-CFM only																Total
Source	B01	B24	B25	B11current	B11	B38current	B38	B08	B10	B32	B33	B34	B35	C79	C80			
Type	Furnace	Furnace	Furnace	FH	FH	FH	FH	RE1	RE2	RE2	RE1	RE2	RE2	RE1	RE1			
Current Base Case Emission Rate (g/s)	3.55E-05			1.51E-04		3.32E-05		2.05E-06	2.39E-06	2.39E-06		2.39E-06	2.39E-06	2.04E-06	2.04E-06	2.35E-04		
Uncertainty = 1.15	2016 Base RC Emission Rate (g/s) with Uncertainty Factor applied																1.78E-04	
Combination ID	Option Description																	
M	Facility reconfiguration (RC) + Electrostatic Precipitator (DEP) or WEP or DC for hot sources (1, 2 or 3) + forehearth conversion to air/gas combustion (12)																	
	Description of Reduction Component		DEP/WEP/DC		DEP/WEP/DC		Air/Gas+ (DEP/WEP/DC)											
	Individual Reduction Description		1,2 or 3		1,2 or 3		1,2or3 and 12		partial of 12		partial of 12		partial of 12		partial of 12			
	Reduction Efficiency		95%		95%		95%		50%		50%		0%		50%		0%	
	Additional Reduction Efficiency						86%											
	Comments		Source ER (g/s)	Source ER (g/s)	Source ER (g/s)	Source ER (g/s)	Source ER (g/s)	Source ER (g/s)	Source ER (g/s)	Source ER (g/s)	Source ER (g/s)	Source ER (g/s)	Source ER (g/s)	Source ER (g/s)	Source ER (g/s)	Source ER (g/s)	TotalER (g/s)	
RC+(1,2 or 3)+12			1.02E-06	1.02E-06			1.18E-06		6.87E-07	6.87E-07	2.36E-06	6.87E-07	6.87E-07	2.34E-06	2.34E-06	1.30E-05		
Explanation of calculation for B38 :		It is not appropriate to apply the air/gas reduction of 86% to the current B38 emission rate since it is using a different technology that would be removed before installing air/gas combustion. Therefore, for emission reduction estimation purposes, the B38 reconfiguration ER is assumed to be identical to that of the B11 reconfiguration emission rate.																

Annual Hexavalent Chromium Results
 Technical Benchmarking Option M - 5 year data set

Run (tab) Name:	Ann_Otp_M_R1_Metryr1	Ann_Opt_M_R1_Metryr2	Ann_Opt_M_R1_Metryr3	Ann_Opt_M_R1_Metryr4	Ann_Opt_M_R1_Metryr5	
Run Description:	Option M_R1, Reg 419 grid, Site Specific Met (2009)	Option M_R1, Reg 419 grid, Site Specific Met (2010)	Option M_R1, Reg 419 grid, Site Specific Met (2011)	Option M_R1, Reg 419 grid, Site Specific Met (2012)	Option M_R1, Reg 419 grid, Site Specific Met (2013)	MAX
Result Units:		ng/m3	ng/m3	ng/m3	ng/m3	ng/m3
ALL	0.85372	1.00625	0.81832	0.88145	0.84563	1.00625
B10	0.03908	0.04012	0.04024	0.04071	0.0402	0.04071
B32	0.07978	0.0847	0.07868	0.08102	0.08023	0.0847
B34	0.05933	0.06748	0.0576	0.06099	0.05966	0.06748
B35	0.05924	0.06836	0.05762	0.06181	0.05927	0.06836
C79	0.08277	0.10893	0.07708	0.08782	0.08021	0.10893
C80	0.07892	0.1091	0.07271	0.08492	0.07221	0.1091
B38	0.1265	0.14336	0.12	0.12939	0.12533	0.14336
B24	0.04733	0.05293	0.04593	0.04748	0.0491	0.05293
B25	0.0429	0.0494	0.04094	0.04253	0.04298	0.0494
B33	0.24981	0.29562	0.23972	0.25766	0.24583	0.29562
FURNACE	0.09023	0.10233	0.08688	0.09	0.09208	0.10233
FOREHEAR	0.1265	0.14336	0.12	0.12939	0.12533	0.14336
GENEXHTS	0.63699	0.76057	0.61145	0.66205	0.62822	0.76057

Run Description:	Option M_R1, Reg 419 grid, Site Specific Met (2009)	Option M_R1, Reg 419 grid, Site Specific Met (2010)	Option M_R1, Reg 419 grid, Site Specific Met (2011)	Option M_R1, Reg 419 grid, Site Specific Met (2012)	Option M_R1, Reg 419 grid, Site Specific Met (2013)	MAX
Result Units:	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
ALL	0.00085372	0.00100625	0.00081832	0.00088145	0.00084563	0.001006
B10	0.00003908	0.00004012	0.00004024	0.00004071	0.0000402	4.07E-05
B32	0.00007978	0.0000847	0.00007868	0.00008102	0.00008023	8.47E-05
B34	0.00005933	0.00006748	0.0000576	0.00006099	0.00005966	6.75E-05
B35	0.00005924	0.00006836	0.00005762	0.00006181	0.00005927	6.84E-05
C79	0.00008277	0.00010893	0.00007708	0.00008782	0.00008021	0.000109
C80	0.00007892	0.0001091	0.00007271	0.00008492	0.00007221	0.000109
B38	0.0001265	0.00014336	0.00012	0.00012939	0.00012533	0.000143
B24	0.00004733	0.00005293	0.00004593	0.00004748	0.0000491	5.29E-05
B25	0.0000429	0.0000494	0.00004094	0.00004253	0.00004298	4.94E-05
B33	0.00024981	0.00029562	0.00023972	0.00025766	0.00024583	0.000296
FURNACE	0.00009023	0.00010233	0.00008688	0.00009	0.00009208	0.000102
FOREHEAR	0.00009023	0.00014336	0.00012	0.00012939	0.00012533	0.000143
GENEXHTS	0.00063699	0.00076057	0.00061145	0.00066205	0.00062822	0.000761

Source Pathway - Source Inputs

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Point Sources

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Gas Exit Temp. [K]	Gas Exit Velocity [m/s]	Stack Inside Diameter [m]
POINT	B10	562030.25	4821525.28	312.00	14.45	6.87E-7	321.90	12.10	1.24
		General Exhaust Above T107B F/H							
POINT	B32	562047.16	4821528.02	312.00	14.48	6.87E-7	321.90	19.19	1.24
		General Exhaust Above T106							
POINT	B34	562039.70	4821535.65	312.00	14.48	6.87E-7	321.90	19.19	1.24
		General Exhaust Above T107A F/H							
POINT	B35	562047.03	4821543.82	312.00	14.48	6.87E-7	321.90	19.19	1.24
		General Exhaust Above CFM Main Channel							
POINT	C79	562023.15	4821559.58	312.00	11.64	2.34E-6	310.80	9.59	1.41
		General Exhaust West CFM F/H							
POINT	C80	562028.25	4821564.97	312.00	11.64	2.34E-6	310.80	9.59	1.41
		General Exhaust East CFM F/H							
POINT	B38	562043.48	4821544.79	312.00	16.46	1.18E-6	379.15	5.43	0.75
		105 Forehearth Stack							
POINT	B33	562055.21	4821536.35	312.00	14.48	2.36E-6	321.90	12.59	1.22
		Gen Exhaust Above T105							
POINT	B24	562052.59	4821531.65	312.00	27.77	1.02E-6	597.00	5.89	0.53
		105 Furnace Stack							
POINT	B25	562057.67	4821536.90	312.00	27.77	1.02E-6	597.00	5.89	0.53
		105 Furnace Stack							

Volume Sources

No Volume Sources Specified

Area Sources

No Area Sources Specified

Source Pathway - Source Inputs

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Open Pit Sources

No Open Pit Sources Specified

Circular Area Sources

No Circular Area Sources Specified

Polygon Area Sources

No Polygon Area Sources Specified

Flare Sources

No Flare Sources Specified

Line Sources

No Line Sources Specified

Line Volume Sources

No Line Volume Sources Specified

Line Area Sources

No Line Area Sources Specified

														Ann_Opt_M_R1_Metyr2		
09 01 01	1 06	-3.2	0.067	-9.000	-9.000	-999.	41.	8.1	0.50	0.55	1.00	1.00	222.	10.0	254.8	2.0
09 01 01	1 07	-9.5	0.113	-9.000	-9.000	-999.	91.	13.2	0.70	0.55	1.00	1.50	145.	10.0	255.9	2.0
09 01 01	1 08	-8.5	0.109	-9.000	-9.000	-999.	86.	13.0	0.63	0.50	1.00	1.50	243.	10.0	257.5	2.0
09 01 01	1 09	-6.0	0.107	-9.000	-9.000	-999.	84.	17.8	0.61	0.95	0.76	1.50	127.	10.0	258.1	2.0
09 01 01	1 10	-1.6	0.057	-9.000	-9.000	-999.	33.	9.9	0.30	0.95	0.66	1.00	121.	10.0	263.8	2.0
09 01 01	1 11	13.2	0.424	0.253	0.009	42.	662.	-499.8	0.50	0.55	0.54	3.10	224.	10.0	264.2	2.0
09 01 01	1 12	19.8	0.428	0.402	0.008	114.	671.	-342.9	0.50	0.55	0.51	3.10	196.	10.0	265.4	2.0
09 01 01	1 13	22.9	0.367	0.559	0.011	265.	536.	-187.8	0.50	0.55	0.51	2.60	203.	10.0	265.4	2.0
09 01 01	1 14	2.1	0.468	0.256	0.007	275.	768.	-4237.3	0.70	0.55	0.48	3.10	179.	10.0	265.9	2.0
09 01 01	1 15	-4.6	0.538	-9.000	-9.000	-999.	946.	2954.8	0.70	0.55	0.51	3.60	162.	10.0	265.4	2.0
09 01 01	1 16	-20.2	0.526	-9.000	-9.000	-999.	915.	625.4	0.70	0.55	0.59	3.60	164.	10.0	265.9	2.0
09 01 01	1 17	-33.2	0.401	-9.000	-9.000	-999.	622.	168.7	0.61	0.95	0.82	3.10	141.	10.0	265.9	2.0
09 01 01	1 18	-28.3	0.491	-9.000	-9.000	-999.	824.	362.7	0.61	0.95	1.00	3.60	137.	10.0	265.9	2.0
09 01 01	1 19	-53.3	0.464	-9.000	-9.000	-999.	760.	163.0	0.61	0.95	1.00	3.60	134.	10.0	265.9	2.0
09 01 01	1 20	-60.2	0.545	-9.000	-9.000	-999.	964.	233.5	0.61	0.95	1.00	4.10	127.	10.0	265.4	2.0
09 01 01	1 21	-44.8	0.474	-9.000	-9.000	-999.	788.	206.2	0.61	0.95	1.00	3.60	130.	10.0	265.9	2.0
09 01 01	1 22	-61.4	0.544	-9.000	-9.000	-999.	961.	227.6	0.61	0.95	1.00	4.10	132.	10.0	266.4	2.0
09 01 01	1 23	-53.4	0.464	-9.000	-9.000	-999.	764.	162.3	0.61	0.95	1.00	3.60	140.	10.0	266.4	2.0
09 01 01	1 24	-21.2	0.225	-9.000	-9.000	-999.	318.	46.9	0.70	0.55	1.00	2.10	160.	10.0	267.0	2.0

First hour of profile data
 YR MO DY HR HEIGHT F WDIR WSPD AMB_TMP sigmaA sigmaW sigmaV
 09 01 01 01 10.0 1 291. 1.50 258.2 99.0 -99.00 -99.00

F indicates top of profile (=1) or below (=0)
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**MODELOPTS: NonDEFAULT CONC ELEV FLGPOL BETA
 *** THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER 1 YEARS ***
 ** CONC OF HCR IN NANOGRAMS/M3 **

GROUP ID	AVERAGE CONC			RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)					OF TYPE	NETWORK GRID-ID
FURNACE	1ST HIGHEST VALUE IS	0.10233	AT (	562063.97,	4821525.92,	311.00,	311.00,	0.00)	DC
	2ND HIGHEST VALUE IS	0.10233	AT (	562063.97,	4821525.92,	311.00,	311.00,	0.00)	DC
	3RD HIGHEST VALUE IS	0.08622	AT (	562070.91,	4821533.11,	311.00,	311.00,	0.00)	DC
	4TH HIGHEST VALUE IS	0.08622	AT (	562070.91,	4821533.11,	311.00,	311.00,	0.00)	DC
	5TH HIGHEST VALUE IS	0.08252	AT (	562057.04,	4821518.74,	311.00,	311.00,	0.00)	DC
	6TH HIGHEST VALUE IS	0.08252	AT (	562057.04,	4821518.74,	311.00,	311.00,	0.00)	DC
	7TH HIGHEST VALUE IS	0.07194	AT (	562065.76,	4821512.01,	311.00,	311.00,	0.00)	DC
	8TH HIGHEST VALUE IS	0.06620	AT (	562085.76,	4821512.01,	311.00,	311.00,	0.00)	DC
	9TH HIGHEST VALUE IS	0.06392	AT (	562085.76,	4821532.01,	311.00,	311.00,	0.00)	DC
	10TH HIGHEST VALUE IS	0.04896	AT (	562050.10,	4821511.55,	311.00,	311.00,	0.00)	DC
FOREHEAR	1ST HIGHEST VALUE IS	0.14336	AT (	562063.97,	4821525.92,	311.00,	311.00,	0.00)	DC
	2ND HIGHEST VALUE IS	0.14336	AT (	562063.97,	4821525.92,	311.00,	311.00,	0.00)	DC
	3RD HIGHEST VALUE IS	0.12316	AT (	562070.91,	4821533.11,	311.00,	311.00,	0.00)	DC
	4TH HIGHEST VALUE IS	0.12316	AT (562070.91,	4821533.11,	311.00,	311.00,	0.00)	DC	
	5TH HIGHEST VALUE IS	0.10815	AT (562057.04,	4821518.74,	311.00,	311.00,	0.00)	DC	

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6TH HIGHEST VALUE IS	0.10815	AT (562057.04,	4821518.74,	311.00,	311.00,	0.00)	DC
7TH HIGHEST VALUE IS	0.09871	AT (562085.76,	4821512.01,	311.00,	311.00,	0.00)	DC
8TH HIGHEST VALUE IS	0.09647	AT (	562065.76,	4821512.01,	311.00,	311.00,	0.00)	DC
9TH HIGHEST VALUE IS	0.08684	AT (	562085.76,	4821532.01,	311.00,	311.00,	0.00)	DC
10TH HIGHEST VALUE IS	0.07142	AT (	562077.84,	4821540.29,	311.01,	311.01,	0.00)	DC

GENEXHTS 1ST HIGHEST VALUE IS	0.76057	AT (	562063.97,	4821525.92,	311.00,	311.00,	0.00)	DC
2ND HIGHEST VALUE IS	0.76057	AT (	562063.97,	4821525.92,	311.00,	311.00,	0.00)	DC
3RD HIGHEST VALUE IS	0.65066	AT (	562057.04,	4821518.74,	311.00,	311.00,	0.00)	DC
4TH HIGHEST VALUE IS	0.65066	AT (	562057.04,	4821518.74,	311.00,	311.00,	0.00)	DC
5TH HIGHEST VALUE IS	0.60741	AT (	562070.91,	4821533.11,	311.00,	311.00,	0.00)	DC
6TH HIGHEST VALUE IS	0.60741	AT (	562070.91,	4821533.11,	311.00,	311.00,	0.00)	DC
7TH HIGHEST VALUE IS	0.54638	AT (	562065.76,	4821512.01,	311.00,	311.00,	0.00)	DC
8TH HIGHEST VALUE IS	0.51083	AT (	562085.76,	4821512.01,	311.00,	311.00,	0.00)	DC
9TH HIGHEST VALUE IS	0.44607	AT (	562050.10,	4821511.55,	311.00,	311.00,	0.00)	DC
10TH HIGHEST VALUE IS	0.44607	AT (	562050.10,	4821511.55,	311.00,	311.00,	0.00)	DC

B10 1ST HIGHEST VALUE IS	0.04012	AT (	562050.10,	4821511.55,	311.00,	311.00,	0.00)	DC
2ND HIGHEST VALUE IS	0.04012	AT (	562050.10,	4821511.55,	311.00,	311.00,	0.00)	DC
3RD HIGHEST VALUE IS	0.02875	AT (	562076.93,	4821485.66,	310.19,	310.19,	0.00)	DC
4TH HIGHEST VALUE IS	0.02875	AT (	562076.93,	4821485.66,	310.19,	310.19,	0.00)	DC
5TH HIGHEST VALUE IS	0.02713	AT (	562070.22,	4821492.13,	310.40,	310.40,	0.00)	DC
6TH HIGHEST VALUE IS	0.02713	AT (	562070.22,	4821492.13,	310.40,	310.40,	0.00)	DC
7TH HIGHEST VALUE IS	0.02679	AT (	562057.04,	4821518.74,	311.00,	311.00,	0.00)	DC
8TH HIGHEST VALUE IS	0.02679	AT (	562057.04,	4821518.74,	311.00,	311.00,	0.00)	DC
9TH HIGHEST VALUE IS	0.02637	AT (562063.97,	4821525.92,	311.00,	311.00,	0.00)	DC
10TH HIGHEST VALUE IS	0.02637	AT (562063.97,	4821525.92,	311.00,	311.00,	0.00)	DC

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**MODELOPTS: NonDEFAULT CONC ELEV FLGPOL BETA

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER 1 YEARS ***

** CONC OF HCR IN NANOGRAMS/M3 **

GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID	
B24	1ST HIGHEST VALUE IS	0.05293 AT (562063.97, 4821525.92,	311.00,	311.00,	0.00) DC
	2ND HIGHEST VALUE IS	0.05293 AT (562063.97, 4821525.92,	311.00,	311.00,	0.00) DC
	3RD HIGHEST VALUE IS	0.04613 AT (562070.91, 4821533.11,	311.00,	311.00,	0.00) DC
	4TH HIGHEST VALUE IS	0.04613 AT (562070.91, 4821533.11,	311.00,	311.00,	0.00) DC
	5TH HIGHEST VALUE IS	0.04269 AT (562057.04, 4821518.74,	311.00,	311.00,	0.00) DC
	6TH HIGHEST VALUE IS	0.04269 AT (562057.04, 4821518.74,	311.00,	311.00,	0.00) DC
	7TH HIGHEST VALUE IS	0.03650 AT (562065.76, 4821512.01,	311.00,	311.00,	0.00) DC
	8TH HIGHEST VALUE IS	0.03461 AT (562085.76, 4821532.01,	311.00,	311.00,	0.00) DC
	9TH HIGHEST VALUE IS	0.03175 AT (562085.76, 4821512.01,	311.00,	311.00,	0.00) DC
	10TH HIGHEST VALUE IS	0.02648 AT (562077.84, 4821540.29,	311.01,	311.01,	0.00) DC
B25	1ST HIGHEST VALUE IS	0.04940 AT (562063.97, 4821525.92,	311.00,	311.00,	0.00) DC
	2ND HIGHEST VALUE IS	0.04940 AT (562063.97, 4821525.92,	311.00,	311.00,	0.00) DC
	3RD HIGHEST VALUE IS	0.04009 AT (562070.91, 4821533.11,	311.00,	311.00,	0.00) DC
	4TH HIGHEST VALUE IS	0.04009 AT (562070.91, 4821533.11,	311.00,	311.00,	0.00) DC

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5TH HIGHEST VALUE IS 0.03983 AT (562057.04, 4821518.74, 311.00, 311.00, 0.00) DC
 6TH HIGHEST VALUE IS 0.03983 AT (562057.04, 4821518.74, 311.00, 311.00, 0.00) DC
 7TH HIGHEST VALUE IS 0.03545 AT (562065.76, 4821512.01, 311.00, 311.00, 0.00) DC
 8TH HIGHEST VALUE IS 0.03445 AT (562085.76, 4821512.01, 311.00, 311.00, 0.00) DC
 9TH HIGHEST VALUE IS 0.02931 AT (562085.76, 4821532.01, 311.00, 311.00, 0.00) DC
 10TH HIGHEST VALUE IS 0.02528 AT (562105.76, 4821512.01, 311.00, 311.00, 0.00) DC

B32 1ST HIGHEST VALUE IS 0.08470 AT (562063.97, 4821525.92, 311.00, 311.00, 0.00) DC
 2ND HIGHEST VALUE IS 0.08470 AT (562063.97, 4821525.92, 311.00, 311.00, 0.00) DC
 3RD HIGHEST VALUE IS 0.07642 AT (562057.04, 4821518.74, 311.00, 311.00, 0.00) DC
 4TH HIGHEST VALUE IS 0.07642 AT (562057.04, 4821518.74, 311.00, 311.00, 0.00) DC
 5TH HIGHEST VALUE IS 0.06892 AT (562070.91, 4821533.11, 311.00, 311.00, 0.00) DC
 6TH HIGHEST VALUE IS 0.06892 AT (562070.91, 4821533.11, 311.00, 311.00, 0.00) DC
 7TH HIGHEST VALUE IS 0.06327 AT (562050.10, 4821511.55, 311.00, 311.00, 0.00) DC
 8TH HIGHEST VALUE IS 0.06327 AT (562050.10, 4821511.55, 311.00, 311.00, 0.00) DC
 9TH HIGHEST VALUE IS 0.04438 AT (562085.76, 4821512.01, 311.00, 311.00, 0.00) DC
 10TH HIGHEST VALUE IS 0.04392 AT (562065.76, 4821512.01, 311.00, 311.00, 0.00) DC

B33 1ST HIGHEST VALUE IS 0.29562 AT (562063.97, 4821525.92, 311.00, 311.00, 0.00) DC
 2ND HIGHEST VALUE IS 0.29562 AT (562063.97, 4821525.92, 311.00, 311.00, 0.00) DC
 3RD HIGHEST VALUE IS 0.25393 AT (562057.04, 4821518.74, 311.00, 311.00, 0.00) DC
 4TH HIGHEST VALUE IS 0.25393 AT (562057.04, 4821518.74, 311.00, 311.00, 0.00) DC
 5TH HIGHEST VALUE IS 0.23387 AT (562070.91, 4821533.11, 311.00, 311.00, 0.00) DC
 6TH HIGHEST VALUE IS 0.23387 AT (562070.91, 4821533.11, 311.00, 311.00, 0.00) DC
 7TH HIGHEST VALUE IS 0.20783 AT (562065.76, 4821512.01, 311.00, 311.00, 0.00) DC
 8TH HIGHEST VALUE IS 0.18964 AT (562085.76, 4821512.01, 311.00, 311.00, 0.00) DC
 9TH HIGHEST VALUE IS 0.16851 AT (562050.10, 4821511.55, 311.00, 311.00, 0.00) DC
 10TH HIGHEST VALUE IS 0.16851 AT (562050.10, 4821511.55, 311.00, 311.00, 0.00) DC

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**MODELOPTS: NonDEFAULT CONC ELEV FLGPOL BETA

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER 1 YEARS ***

** CONC OF HCR IN NANOGRAMS/M3 **

GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
B34	1ST HIGHEST VALUE IS 0.06748 AT (562063.97, 4821525.92, 311.00, 311.00, 0.00)	DC		
	2ND HIGHEST VALUE IS 0.06748 AT (562063.97, 4821525.92, 311.00, 311.00, 0.00)	DC		
	3RD HIGHEST VALUE IS 0.05800 AT (562057.04, 4821518.74, 311.00, 311.00, 0.00)	DC		
	4TH HIGHEST VALUE IS 0.05800 AT (562057.04, 4821518.74, 311.00, 311.00, 0.00)	DC		
	5TH HIGHEST VALUE IS 0.05603 AT (562070.91, 4821533.11, 311.00, 311.00, 0.00)	DC		
	6TH HIGHEST VALUE IS 0.05603 AT (562070.91, 4821533.11, 311.00, 311.00, 0.00)	DC		
	7TH HIGHEST VALUE IS 0.04644 AT (562050.10, 4821511.55, 311.00, 311.00, 0.00)	DC		
	8TH HIGHEST VALUE IS 0.04644 AT (562050.10, 4821511.55, 311.00, 311.00, 0.00)	DC		
	9TH HIGHEST VALUE IS 0.04229 AT (562085.76, 4821512.01, 311.00, 311.00, 0.00)	DC		
	10TH HIGHEST VALUE IS 0.04150 AT (562065.76, 4821512.01, 311.00, 311.00, 0.00)	DC		
B35	1ST HIGHEST VALUE IS 0.06836 AT (562063.97, 4821525.92, 311.00, 311.00, 0.00)	DC		
	2ND HIGHEST VALUE IS 0.06836 AT (562063.97, 4821525.92, 311.00, 311.00, 0.00)	DC		
	3RD HIGHEST VALUE IS 0.05709 AT (562070.91, 4821533.11, 311.00, 311.00, 0.00)	DC		

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4TH HIGHEST VALUE IS	0.05709	AT (562070.91,	4821533.11,	311.00,	311.00,	0.00)	DC
5TH HIGHEST VALUE IS	0.05418	AT (562057.04,	4821518.74,	311.00,	311.00,	0.00)	DC
6TH HIGHEST VALUE IS	0.05418	AT (	562057.04,	4821518.74,	311.00,	311.00,	0.00)	DC
7TH HIGHEST VALUE IS	0.04574	AT (	562065.76,	4821512.01,	311.00,	311.00,	0.00)	DC
8TH HIGHEST VALUE IS	0.04462	AT (	562085.76,	4821512.01,	311.00,	311.00,	0.00)	DC
9TH HIGHEST VALUE IS	0.04101	AT (	562085.76,	4821532.01,	311.00,	311.00,	0.00)	DC
10TH HIGHEST VALUE IS	0.03141	AT (	562077.84,	4821540.29,	311.01,	311.01,	0.00)	DC

B38 1ST HIGHEST VALUE IS	0.14336	AT (	562063.97,	4821525.92,	311.00,	311.00,	0.00)	DC
2ND HIGHEST VALUE IS	0.14336	AT (	562063.97,	4821525.92,	311.00,	311.00,	0.00)	DC
3RD HIGHEST VALUE IS	0.12316	AT (	562070.91,	4821533.11,	311.00,	311.00,	0.00)	DC
4TH HIGHEST VALUE IS	0.12316	AT (	562070.91,	4821533.11,	311.00,	311.00,	0.00)	DC
5TH HIGHEST VALUE IS	0.10815	AT (	562057.04,	4821518.74,	311.00,	311.00,	0.00)	DC
6TH HIGHEST VALUE IS	0.10815	AT (	562057.04,	4821518.74,	311.00,	311.00,	0.00)	DC
7TH HIGHEST VALUE IS	0.09871	AT (	562085.76,	4821512.01,	311.00,	311.00,	0.00)	DC
8TH HIGHEST VALUE IS	0.09647	AT (	562065.76,	4821512.01,	311.00,	311.00,	0.00)	DC
9TH HIGHEST VALUE IS	0.08684	AT (	562085.76,	4821532.01,	311.00,	311.00,	0.00)	DC
10TH HIGHEST VALUE IS	0.07142	AT (	562077.84,	4821540.29,	311.01,	311.01,	0.00)	DC

C79 1ST HIGHEST VALUE IS	0.10893	AT (	562063.97,	4821525.92,	311.00,	311.00,	0.00)	DC
2ND HIGHEST VALUE IS	0.10893	AT (	562063.97,	4821525.92,	311.00,	311.00,	0.00)	DC
3RD HIGHEST VALUE IS	0.09493	AT (	562085.76,	4821512.01,	311.00,	311.00,	0.00)	DC
4TH HIGHEST VALUE IS	0.09149	AT (	562070.91,	4821533.11,	311.00,	311.00,	0.00)	DC
5TH HIGHEST VALUE IS	0.09149	AT (	562070.91,	4821533.11,	311.00,	311.00,	0.00)	DC
6TH HIGHEST VALUE IS	0.08665	AT (	562065.76,	4821512.01,	311.00,	311.00,	0.00)	DC
7TH HIGHEST VALUE IS	0.08102	AT (	562057.04,	4821518.74,	311.00,	311.00,	0.00)	DC
8TH HIGHEST VALUE IS	0.08102	AT (	562057.04,	4821518.74,	311.00,	311.00,	0.00)	DC
9TH HIGHEST VALUE IS	0.06501	AT (562085.76,	4821532.01,	311.00,	311.00,	0.00)	DC
10TH HIGHEST VALUE IS	0.06296	AT (562105.76,	4821512.01,	311.00,	311.00,	0.00)	DC

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**MODELOPTS: NonDEFAULT CONC ELEV FLGPOL BETA

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER 1 YEARS ***

** CONC OF HCR I N NANOGRAMS/M3 **

GROUP ID	AVERAGE CONC		RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)				OF TYPE	NETWORK GRID-ID
C80 1ST HIGHEST VALUE IS	0.10910	AT (	562063.97,	4821525.92,	311.00,	311.00,	0.00)	DC
2ND HIGHEST VALUE IS	0.10910	AT (	562063.97,	4821525.92,	311.00,	311.00,	0.00)	DC
3RD HIGHEST VALUE IS	0.10763	AT (	562065.76,	4821512.01,	311.00,	311.00,	0.00)	DC
4TH HIGHEST VALUE IS	0.10032	AT (	562057.04,	4821518.74,	311.00,	311.00,	0.00)	DC
5TH HIGHEST VALUE IS	0.10032	AT (	562057.04,	4821518.74,	311.00,	311.00,	0.00)	DC
6TH HIGHEST VALUE IS	0.08681	AT (	562085.76,	4821512.01,	311.00,	311.00,	0.00)	DC
7TH HIGHEST VALUE IS	0.07391	AT (	562070.91,	4821533.11,	311.00,	311.00,	0.00)	DC
8TH HIGHEST VALUE IS	0.07391	AT (	562070.91,	4821533.11,	311.00,	311.00,	0.00)	DC
9TH HIGHEST VALUE IS	0.06977	AT (	562085.76,	4821492.01,	310.52,	310.52,	0.00)	DC
10TH HIGHEST VALUE IS	0.06310	AT (	562056.81,	4821505.08,	310.84,	310.84,	0.00)	DC
ALL 1ST HIGHEST VALUE IS	1.00625	AT (562063.97,	4821525.92,	311.00,	311.00,	0.00)	DC
2ND HIGHEST VALUE IS	1.00625	AT (562063.97,	4821525.92,	311.00,	311.00,	0.00)	DC

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3RD HIGHEST VALUE IS	0.84133	AT (562057.04,	4821518.74,	311.00,	311.00,	0.00)	DC
4TH HIGHEST VALUE IS	0.84133	AT (562057.04,	4821518.74,	311.00,	311.00,	0.00)	DC
5TH HIGHEST VALUE IS	0.81678	AT (	562070.91,	4821533.11,	311.00,	311.00,	0.00)	DC
6TH HIGHEST VALUE IS	0.81678	AT (	562070.91,	4821533.11,	311.00,	311.00,	0.00)	DC
7TH HIGHEST VALUE IS	0.71479	AT (	562065.76,	4821512.01,	311.00,	311.00,	0.00)	DC
8TH HIGHEST VALUE IS	0.67574	AT (	562085.76,	4821512.01,	311.00,	311.00,	0.00)	DC
9TH HIGHEST VALUE IS	0.55878	AT (	562085.76,	4821532.01,	311.00,	311.00,	0.00)	DC
10TH HIGHEST VALUE IS	0.54778	AT (562050.10,	4821511.55,	311.00,	311.00,	0.00)	DC

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

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**MODELOPTS: NonDEFAULT CONC ELEV FLGPOL BETA

*** Message Summary : AERMOD Model Execution ***

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

A Total of 0 Fatal Error Message(s)
 A Total of 0 Warning Message(s)
 A Total of 3 Informational Message(s)
 A Total of 8760 Hours Were Processed
 A Total of 3 Calm Hours Identified
 A Total of 0 Missing Hours Identified (0.00 Percent)

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

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

