

Scenario: V_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	Total	
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																
2016 Base RC Emission Rate (g/s) with Uncertainty Factor applied			2.04E-05	2.04E-05		8.66E-05		3.82E-05		1.37E-06	1.37E-06	2.36E-06	1.37E-06	1.37E-06	2.34E-06	2.34E-06	1.78E-04	
Combination ID	Option Description	B01	B24	B25	B11	B11	B38current	B38	B08	B10	B32	B33	B34	B35	C79	C80	Total	
V	Description of Reduction Component		DEP/WEP/DC	DEP/WEP/DC				DEP/WEP/DC +										
	Individual Reduction Description		1,2 or 3	1,2 or 3				(1,2,or 3)										
	Reduction Efficiency		95%	95%				95%	0%	0%	0%	0%	0%	0%	0%	0%		
	Additional Reduction Efficiency																	
	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)	Source ER (g/s)	Source ER (g/s)	TotalER (g/s)
	RC+(1,2,or 3)		1.02E-06	1.02E-06				6.24E-06		1.37E-06	1.37E-06	2.36E-06	1.37E-06	1.37E-06	2.34E-06	2.34E-06	2.08E-05	

Annual Hexavalent Chromium Results
Technology Benchmarking Option V - 5 year data set

Run (tab) Name:	Ann_Opt_V_R1_Metyr1	Ann_Opt_V_R1_Metyr2	Ann_Opt_V_R1_Metyr3	Ann_Opt_V_R1_Metyr4	Ann_Opt_V_R1_Metyr5	
Run Description:	Option V_R1, Reg 419 grid, Site Specific Met (2009)	Option V_R1, Reg 419 grid, Site Specific Met (2010)	Option V_R1, Reg 419 grid, Site Specific Met (2011)	Option V_R1, Reg 419 grid, Site Specific Met (2012)	Option V_R1, Reg 419 grid, Site Specific Met (2013)	MAX
Result Units:		ng/m3	ng/m3	ng/m3	ng/m3	ng/m3
ALL	1.6227	1.86906	1.5558	1.66901	1.61404	1.86906
B10	0.07817	0.08024	0.08048	0.08142	0.0804	0.08142
B32	0.15957	0.16941	0.15737	0.16204	0.16045	0.16941
B34	0.11866	0.13496	0.11519	0.12199	0.11932	0.13496
B35	0.11847	0.13671	0.11524	0.12361	0.11854	0.13671
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	0.66999	0.75925	0.63554	0.68531	0.66377	0.75925
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	0.66999	0.75925	0.63554	0.68531	0.66377	0.75925
GENEXHTS	0.86248	1.00748	0.83338	0.8937	0.85819	1.00748

Run Description:	Option V_R1, Reg 419 grid, Site Specific Met (2009)	Option V_R1, Reg 419 grid, Site Specific Met (2010)	Option V_R1, Reg 419 grid, Site Specific Met (2011)	Option V_R1, Reg 419 grid, Site Specific Met (2012)	Option V_R1, Reg 419 grid, Site Specific Met (2013)	MAX
Result Units:	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
ALL	0.0016227	0.00186906	0.0015558	0.00166901	0.00161404	0.001869
B10	0.00007817	0.00008024	0.00008048	0.00008142	0.0000804	8.14E-05
B32	0.00015957	0.00016941	0.00015737	0.00016204	0.00016045	0.000169
B34	0.00011866	0.00013496	0.00011519	0.00012199	0.00011932	0.000135
B35	0.00011847	0.00013671	0.00011524	0.00012361	0.00011854	0.000137
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	0.00066999	0.00075925	0.00063554	0.00068531	0.00066377	0.000759
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	0.00066999	0.00075925	0.00063554	0.00068531	0.00066377	0.000759
GENEXHTS	0.00086248	0.00100748	0.00083338	0.0008937	0.00085819	0.001007

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	1.37E-6	321.90	12.10	1.24
		General Exhaust Above T107B F/H							
POINT	B32	562047.16	4821528.02	312.00	14.48	1.37E-6	321.90	19.19	1.24
		General Exhaust Above T106							
POINT	B34	562039.70	4821535.65	312.00	14.48	1.37E-6	321.90	19.19	1.24
		General Exhaust Above T107A F/H							
POINT	B35	562047.03	4821543.82	312.00	14.48	1.37E-6	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	6.24E-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_V_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	0.75925	AT (	562063.97,	4821525.92,	311.00,	311.00,	0.00)	DC
	2ND HIGHEST VALUE IS	0.75925	AT (	562063.97,	4821525.92,	311.00,	311.00,	0.00)	DC
	3RD HIGHEST VALUE IS	0.65228	AT (	562070.91,	4821533.11,	311.00,	311.00,	0.00)	DC
	4TH HIGHEST VALUE IS	0.65228	AT (562070.91,	4821533.11,	311.00,	311.00,	0.00)	DC	
	5TH HIGHEST VALUE IS	0.57278	AT (562057.04,	4821518.74,	311.00,	311.00,	0.00)	DC	

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6TH HIGHEST VALUE IS	0.57278	AT (562057.04,	4821518.74,	311.00,	311.00,	0.00)	DC
7TH HIGHEST VALUE IS	0.52279	AT (562085.76,	4821512.01,	311.00,	311.00,	0.00)	DC
8TH HIGHEST VALUE IS	0.51091	AT (	562065.76,	4821512.01,	311.00,	311.00,	0.00)	DC
9TH HIGHEST VALUE IS	0.45991	AT (	562085.76,	4821532.01,	311.00,	311.00,	0.00)	DC
10TH HIGHEST VALUE IS	0.37827	AT (	562077.84,	4821540.29,	311.01,	311.01,	0.00)	DC

GENEXHTS 1ST HIGHEST VALUE IS	1.00748	AT (	562063.97,	4821525.92,	311.00,	311.00,	0.00)	DC
2ND HIGHEST VALUE IS	1.00748	AT (	562063.97,	4821525.92,	311.00,	311.00,	0.00)	DC
3RD HIGHEST VALUE IS	0.86604	AT (	562057.04,	4821518.74,	311.00,	311.00,	0.00)	DC
4TH HIGHEST VALUE IS	0.86604	AT (	562057.04,	4821518.74,	311.00,	311.00,	0.00)	DC
5TH HIGHEST VALUE IS	0.81555	AT (	562070.91,	4821533.11,	311.00,	311.00,	0.00)	DC
6TH HIGHEST VALUE IS	0.81555	AT (	562070.91,	4821533.11,	311.00,	311.00,	0.00)	DC
7TH HIGHEST VALUE IS	0.69066	AT (	562065.76,	4821512.01,	311.00,	311.00,	0.00)	DC
8TH HIGHEST VALUE IS	0.65026	AT (	562085.76,	4821512.01,	311.00,	311.00,	0.00)	DC
9TH HIGHEST VALUE IS	0.62638	AT (	562050.10,	4821511.55,	311.00,	311.00,	0.00)	DC
10TH HIGHEST VALUE IS	0.62638	AT (	562050.10,	4821511.55,	311.00,	311.00,	0.00)	DC

B10 1ST HIGHEST VALUE IS	0.08024	AT (	562050.10,	4821511.55,	311.00,	311.00,	0.00)	DC
2ND HIGHEST VALUE IS	0.08024	AT (	562050.10,	4821511.55,	311.00,	311.00,	0.00)	DC
3RD HIGHEST VALUE IS	0.05750	AT (	562076.93,	4821485.66,	310.19,	310.19,	0.00)	DC
4TH HIGHEST VALUE IS	0.05750	AT (	562076.93,	4821485.66,	310.19,	310.19,	0.00)	DC
5TH HIGHEST VALUE IS	0.05426	AT (	562070.22,	4821492.13,	310.40,	310.40,	0.00)	DC
6TH HIGHEST VALUE IS	0.05426	AT (	562070.22,	4821492.13,	310.40,	310.40,	0.00)	DC
7TH HIGHEST VALUE IS	0.05358	AT (	562057.04,	4821518.74,	311.00,	311.00,	0.00)	DC
8TH HIGHEST VALUE IS	0.05358	AT (	562057.04,	4821518.74,	311.00,	311.00,	0.00)	DC
9TH HIGHEST VALUE IS	0.05274	AT (562063.97,	4821525.92,	311.00,	311.00,	0.00)	DC
10TH HIGHEST VALUE IS	0.05274	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 0.16941 AT (562063.97, 4821525.92, 311.00, 311.00, 0.00) DC
 2ND HIGHEST VALUE IS 0.16941 AT (562063.97, 4821525.92, 311.00, 311.00, 0.00) DC
 3RD HIGHEST VALUE IS 0.15283 AT (562057.04, 4821518.74, 311.00, 311.00, 0.00) DC
 4TH HIGHEST VALUE IS 0.15283 AT (562057.04, 4821518.74, 311.00, 311.00, 0.00) DC
 5TH HIGHEST VALUE IS 0.13784 AT (562070.91, 4821533.11, 311.00, 311.00, 0.00) DC
 6TH HIGHEST VALUE IS 0.13784 AT (562070.91, 4821533.11, 311.00, 311.00, 0.00) DC
 7TH HIGHEST VALUE IS 0.12654 AT (562050.10, 4821511.55, 311.00, 311.00, 0.00) DC
 8TH HIGHEST VALUE IS 0.12654 AT (562050.10, 4821511.55, 311.00, 311.00, 0.00) DC
 9TH HIGHEST VALUE IS 0.08876 AT (562085.76, 4821512.01, 311.00, 311.00, 0.00) DC
 10TH HIGHEST VALUE IS 0.08785 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 0.13496 AT (562063.97, 4821525.92, 311.00, 311.00, 0.00)	DC		
	2ND HIGHEST VALUE IS 0.13496 AT (562063.97, 4821525.92, 311.00, 311.00, 0.00)	DC		
	3RD HIGHEST VALUE IS 0.11600 AT (562057.04, 4821518.74, 311.00, 311.00, 0.00)	DC		
	4TH HIGHEST VALUE IS 0.11600 AT (562057.04, 4821518.74, 311.00, 311.00, 0.00)	DC		
	5TH HIGHEST VALUE IS 0.11206 AT (562070.91, 4821533.11, 311.00, 311.00, 0.00)	DC		
	6TH HIGHEST VALUE IS 0.11206 AT (562070.91, 4821533.11, 311.00, 311.00, 0.00)	DC		
	7TH HIGHEST VALUE IS 0.09289 AT (562050.10, 4821511.55, 311.00, 311.00, 0.00)	DC		
	8TH HIGHEST VALUE IS 0.09289 AT (562050.10, 4821511.55, 311.00, 311.00, 0.00)	DC		
	9TH HIGHEST VALUE IS 0.08457 AT (562085.76, 4821512.01, 311.00, 311.00, 0.00)	DC		
	10TH HIGHEST VALUE IS 0.08300 AT (562065.76, 4821512.01, 311.00, 311.00, 0.00)	DC		
B35	1ST HIGHEST VALUE IS 0.13671 AT (562063.97, 4821525.92, 311.00, 311.00, 0.00)	DC		
	2ND HIGHEST VALUE IS 0.13671 AT (562063.97, 4821525.92, 311.00, 311.00, 0.00)	DC		
	3RD HIGHEST VALUE IS 0.11417 AT (562070.91, 4821533.11, 311.00, 311.00, 0.00)	DC		

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4TH HIGHEST VALUE IS 0.11417 AT (562070.91, 4821533.11, 311.00, 311.00, 0.00) DC
 5TH HIGHEST VALUE IS 0.10835 AT (562057.04, 4821518.74, 311.00, 311.00, 0.00) DC
 6TH HIGHEST VALUE IS 0.10835 AT (562057.04, 4821518.74, 311.00, 311.00, 0.00) DC
 7TH HIGHEST VALUE IS 0.09148 AT (562065.76, 4821512.01, 311.00, 311.00, 0.00) DC
 8TH HIGHEST VALUE IS 0.08925 AT (562085.76, 4821512.01, 311.00, 311.00, 0.00) DC
 9TH HIGHEST VALUE IS 0.08202 AT (562085.76, 4821532.01, 311.00, 311.00, 0.00) DC
 10TH HIGHEST VALUE IS 0.06283 AT (562077.84, 4821540.29, 311.01, 311.01, 0.00) DC

B38 1ST HIGHEST VALUE IS 0.75925 AT (562063.97, 4821525.92, 311.00, 311.00, 0.00) DC
 2ND HIGHEST VALUE IS 0.75925 AT (562063.97, 4821525.92, 311.00, 311.00, 0.00) DC
 3RD HIGHEST VALUE IS 0.65228 AT (562070.91, 4821533.11, 311.00, 311.00, 0.00) DC
 4TH HIGHEST VALUE IS 0.65228 AT (562070.91, 4821533.11, 311.00, 311.00, 0.00) DC
 5TH HIGHEST VALUE IS 0.57278 AT (562057.04, 4821518.74, 311.00, 311.00, 0.00) DC
 6TH HIGHEST VALUE IS 0.57278 AT (562057.04, 4821518.74, 311.00, 311.00, 0.00) DC
 7TH HIGHEST VALUE IS 0.52279 AT (562085.76, 4821512.01, 311.00, 311.00, 0.00) DC
 8TH HIGHEST VALUE IS 0.51091 AT (562065.76, 4821512.01, 311.00, 311.00, 0.00) DC
 9TH HIGHEST VALUE IS 0.45991 AT (562085.76, 4821532.01, 311.00, 311.00, 0.00) DC
 10TH HIGHEST VALUE IS 0.37827 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 1.86906 AT (562063.97, 4821525.92, 311.00, 311.00, 0.00)	DC		
	2ND HIGHEST VALUE IS 1.86906 AT (562063.97, 4821525.92, 311.00, 311.00, 0.00)	DC		

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3RD HIGHEST VALUE IS	1.55405	AT (562070.91,	4821533.11,	311.00,	311.00,	0.00)	DC
4TH HIGHEST VALUE IS	1.55405	AT (562070.91,	4821533.11,	311.00,	311.00,	0.00)	DC
5TH HIGHEST VALUE IS	1.52134	AT (	562057.04,	4821518.74,	311.00,	311.00,	0.00)	DC
6TH HIGHEST VALUE IS	1.52134	AT (	562057.04,	4821518.74,	311.00,	311.00,	0.00)	DC
7TH HIGHEST VALUE IS	1.27351	AT (	562065.76,	4821512.01,	311.00,	311.00,	0.00)	DC
8TH HIGHEST VALUE IS	1.23925	AT (	562085.76,	4821512.01,	311.00,	311.00,	0.00)	DC
9TH HIGHEST VALUE IS	1.07747	AT (	562085.76,	4821532.01,	311.00,	311.00,	0.00)	DC
10TH HIGHEST VALUE IS	0.95467	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 ***

