

Appendix C – CALPUFF Results Summary

Dewey-Burdock Project
AQRV Model
February 2013

PM10 - Concentration [ug/m**3]

Average Period	Rank	Peak	Year, Julian Day, Start Hour	X (Km)	Y (Km)	Receptor	Receptor Type
1 HOUR	1	3.5258E+001	2010, 243, 1300	620.215	4819.730	1	DISCRETE
1 HOUR	2	2.6746E+001	2011, 227, 1400	620.166	4822.506	23	DISCRETE
1 HOUR	1	3.5258E+001	2010, 243, 1300	620.215	4819.730	1	DISCRETE
1 HOUR	2	2.6746E+001	2011, 227, 1400	620.166	4822.506	23	DISCRETE
3 HOUR	1	1.4489E+001	2011, 229, 1300	621.462	4825.307	47	DISCRETE
3 HOUR	2	1.3065E+001	2011, 227, 1300	620.822	4823.444	32	DISCRETE
24 HOUR	1	2.6975E+000	2010, 238, 0100	620.215	4819.730	1	DISCRETE
24 HOUR	2	1.8751E+000	2010, 187, 0100	620.215	4819.730	1	DISCRETE
**** HOUR	1	8.6926E-002		620.215	4819.730	1	DISCRETE

Appendix C – CALPUFF Results Summary

Dewey-Burdock Project
AQRV Model
February 2013

PM10 - Dry Deposition [ug/m**2/s]

Average Period	Rank	Peak	Year, Julian Day, Start Hour	X (Km)	Y (Km)	Receptor	Receptor Type
1 HOUR	1	4.8439E-001	2010, 243, 1300	620.215	4819.730	1	DISCRETE
1 HOUR	2	3.4332E-001	2009, 166, 1300	621.361	4830.860	150	DISCRETE
1 HOUR	1	4.8439E-001	2010, 243, 1300	620.215	4819.730	1	DISCRETE
1 HOUR	2	3.4332E-001	2009, 166, 1300	621.361	4830.860	150	DISCRETE
3 HOUR	1	1.7185E-001	2010, 243, 1300	620.215	4819.730	1	DISCRETE
3 HOUR	2	1.3024E-001	2011, 229, 1300	620.166	4822.506	23	DISCRETE
24 HOUR	1	2.1838E-002	2010, 243, 0100	620.215	4819.730	1	DISCRETE
24 HOUR	2	1.9286E-002	2011, 191, 0100	620.215	4819.730	1	DISCRETE
**** HOUR	1	5.3145E-004		620.215	4819.730	1	DISCRETE

Appendix C – CALPUFF Results Summary

Dewey-Burdock Project
AQRV Model
February 2013

PM10 - Wet Deposition [$\mu\text{g}/\text{m}^2/\text{s}$]

Average Period	Rank	Peak	Year, Julian Day, Start Hour	X (Km)	Y (Km)	Receptor	Receptor Type
1 HOUR	1	3.1929E+000	2011, 189, 1400	634.155	4830.178	149	DISCRETE
1 HOUR	2	1.8583E+000	2011, 189, 1300	629.448	4830.086	142	DISCRETE
1 HOUR	1	3.1929E+000	2011, 189, 1400	634.155	4830.178	149	DISCRETE
1 HOUR	2	1.8583E+000	2011, 189, 1300	629.448	4830.086	142	DISCRETE
3 HOUR	1	1.4215E+000	2011, 189, 1300	633.482	4830.165	148	DISCRETE
3 HOUR	2	8.3017E-001	2009, 194, 1300	622.067	4829.021	112	DISCRETE
24 HOUR	1	1.7784E-001	2011, 189, 0100	633.482	4830.165	148	DISCRETE
24 HOUR	2	1.0487E-001	2011, 189, 0100	621.395	4829.009	111	DISCRETE
**** HOUR	1	7.0560E-004		620.166	4822.506	23	DISCRETE

Appendix C – CALPUFF Results Summary

Dewey-Burdock Project
AQRV Model
February 2013

PM2.5 - Concentration [ug/m**3]

Average Period	Rank	Peak	Year, Julian Day, Start Hour	X (Km)	Y (Km)	Receptor	Receptor Type
1 HOUR	1	5.5305E+000	2010, 243, 1300	620.215	4819.730	1	DISCRETE
1 HOUR	2	4.5698E+000	2011, 227, 1400	620.182	4821.581	14	DISCRETE
1 HOUR	1	5.5305E+000	2010, 243, 1300	620.215	4819.730	1	DISCRETE
1 HOUR	2	4.5698E+000	2011, 227, 1400	620.182	4821.581	14	DISCRETE
3 HOUR	1	2.3181E+000	2011, 227, 1300	620.166	4822.506	23	DISCRETE
3 HOUR	2	2.1916E+000	2011, 229, 1300	620.822	4823.444	32	DISCRETE
24 HOUR	1	4.3822E-001	2010, 238, 0100	620.215	4819.730	1	DISCRETE
24 HOUR	2	3.0656E-001	2011, 227, 0100	620.166	4822.506	23	DISCRETE
**** HOUR	1	1.6770E-002		620.215	4819.730	1	DISCRETE

Appendix C – CALPUFF Results Summary

Dewey-Burdock Project
AQRV Model
February 2013

PM2.5 - Dry Deposition [$\mu\text{g}/\text{m}^2/\text{s}$]

Average Period	Rank	Peak	Year, Julian Day, Start Hour	X (Km)	Y (Km)	Receptor	Receptor Type
1 HOUR	1	1.1901E-003	2009, 172, 1200	620.822	4823.444	32	DISCRETE
1 HOUR	2	1.1899E-003	2011, 158, 1200	620.822	4823.444	32	DISCRETE
1 HOUR	1	1.1901E-003	2009, 172, 1200	620.822	4823.444	32	DISCRETE
1 HOUR	2	1.1899E-003	2011, 158, 1200	620.822	4823.444	32	DISCRETE
3 HOUR	1	5.5590E-004	2011, 158, 1000	620.822	4823.444	32	DISCRETE
3 HOUR	2	4.1151E-004	2009, 172, 1000	620.822	4823.444	32	DISCRETE
24 HOUR	1	7.3884E-005	2011, 158, 0100	620.822	4823.444	32	DISCRETE
24 HOUR	2	6.1863E-005	2009, 172, 0100	620.822	4823.444	32	DISCRETE
**** HOUR	1	2.0757E-006		620.215	4819.730	1	DISCRETE

Appendix C – CALPUFF Results Summary

Dewey-Burdock Project
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February 2013

PM2.5 - Wet Deposition [$\mu\text{g}/\text{m}^2/\text{s}$]

Average Period	Rank	Peak	Year, Julian Day, Start Hour	X (Km)	Y (Km)	Receptor	Receptor Type
1 HOUR	1	7.3702E-001	2011, 189, 1400	634.155	4830.178	149	DISCRETE
1 HOUR	2	4.3925E-001	2011, 189, 1400	628.793	4829.147	122	DISCRETE
1 HOUR	1	7.3702E-001	2011, 189, 1400	634.155	4830.178	149	DISCRETE
1 HOUR	2	4.3925E-001	2011, 189, 1400	628.793	4829.147	122	DISCRETE
3 HOUR	1	3.2575E-001	2011, 189, 1300	632.810	4830.151	147	DISCRETE
3 HOUR	2	1.4953E-001	2011, 181, 1300	623.583	4819.791	6	DISCRETE
24 HOUR	1	4.0745E-002	2011, 189, 0100	632.810	4830.151	147	DISCRETE
24 HOUR	2	1.9388E-002	2011, 181, 0100	622.909	4819.779	5	DISCRETE
**** HOUR	1	1.3659E-004		620.215	4819.730	1	DISCRETE

VISIB - Visibility [1/Mega-m] with PM₁₀ Transport Excluded

Average Period	Rank	Peak	Year, Julian Day, Start Hour	X (Km)	Y (Km)	Receptor	Receptor Type
24 HOUR	1	1.6016E+001	2009, 159, 0100	621.445	4826.233	61	DISCRETE
24 HOUR	2	1.5975E+001	2011, 156, 0100	621.378	4829.935	130	DISCRETE
**** HOUR	1	1.5675E+001		620.215	4819.730	1	DISCRETE

Appendix C – CALPUFF Results Summary

Dewey-Burdock Project
AQRV Model
February 2013

S - Dry Wet Deposition [ug/m**2/s]

Average Period	Rank	Peak	Year, Julian Day, Start Hour	X (Km)	Y (Km)	Receptor	Receptor Type
1 HOUR	1	9.4690E-003	2011, 189, 1400	634.155	4830.178	149	DISCRETE
1 HOUR	2	5.2213E-003	2011, 189, 1400	628.811	4828.222	103	DISCRETE
1 HOUR	1	9.4690E-003	2011, 189, 1400	634.155	4830.178	149	DISCRETE
1 HOUR	2	5.2213E-003	2011, 189, 1400	628.811	4828.222	103	DISCRETE
3 HOUR	1	4.1631E-003	2011, 189, 1300	633.501	4829.239	129	DISCRETE
3 HOUR	2	2.2340E-003	2011, 181, 1300	622.909	4819.779	5	DISCRETE
24 HOUR	1	5.2086E-004	2011, 189, 0100	633.501	4829.239	129	DISCRETE
24 HOUR	2	3.0586E-004	2011, 189, 0100	621.395	4829.009	111	DISCRETE
**** HOUR	1	3.2642E-006		620.215	4819.730	1	DISCRETE

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Dewey-Burdock Project
AQRV Model
February 2013

N - Dry Wet Deposition [$\mu\text{g}/\text{m}^2/\text{s}$]

Average Period	Rank	Peak	Year, Julian Day, Start Hour	X (Km)	Y (Km)	Receptor	Receptor Type
1 HOUR	1	1.5213E-002	2011, 189, 1400	634.155	4830.178	149	DISCRETE
1 HOUR	2	8.3382E-003	2011, 189, 1400	628.793	4829.147	122	DISCRETE
1 HOUR	1	1.5213E-002	2011, 189, 1400	634.155	4830.178	149	DISCRETE
1 HOUR	2	8.3382E-003	2011, 189, 1400	628.793	4829.147	122	DISCRETE
3 HOUR	1	6.6588E-003	2011, 189, 1300	634.155	4830.178	149	DISCRETE
3 HOUR	2	3.6886E-003	2010, 240, 1300	621.428	4827.158	75	DISCRETE
24 HOUR	1	8.3275E-004	2011, 189, 0100	634.155	4830.178	149	DISCRETE
24 HOUR	2	5.1289E-004	2009, 220, 0100	622.740	4829.034	113	DISCRETE
**** HOUR	1	4.5012E-006		620.166	4822.506	23	DISCRETE