

Table D-1. Regional Source Inventory - Major Source Review

SOURCE DESCRIPTION	City	County	Application Number	UTM East (NAD83 Zone 17) (m)	UTM North (NAD83 Zone 17) (m)	Potential Facility PM ₁₀ Emissions (tpy)	Distance from Facility (km)	W/in 2 km of another facility?	Exclude Per 20D Rule? ¹
Georgia-Pacific Corp Chip-n-Saw Div. Warrenton	Warrenton	Warren	15586	346,956.898	3,697,766.743	97.8	1.94	No	No
TRW Warrenton Foundry	Warrenton	Warren	18565	352,854.858	3,699,389.457	93.7	5.08	No	No
HP Pelzer - Thomson	Thomson	Meduffie	18028	357,092.726	3,702,061.876	32	10.09	No	Yes
TIN Inc. Dba Temple-Inland	Thomson	Meduffie	17729	361,502.960	3,705,313.391	275.1	15.56	No	No
Kamin - Wrens Calcine Plant	Wrens	Jefferson	18155	366,484.067	3,680,602.183	218.74	24.08	No	Yes
Kamin - Wrens Main	Wrens	Jefferson	18156	369,198.533	3,682,434.504	250	25.08	No	Yes
Southern Natural Gas	Wrens	Jefferson	17482	370,269.848	3,675,170.468	5.88	30.56	Yes	Yes
Thiele Kaolin Co. Reedy Creek Div.	Reedy Creek	Glascok	16796	370,269.848	3,675,170.468	230	30.56	Yes	Yes
GA Tenn Mining Co	Wrens	Jefferson	17101	369,878.583	3,672,829.332	185	31.99	No	Yes
Georgia Iron Works	Grovetown	Columbia	17240	389,501.796	3,702,675.945	5	41.38	Yes	Yes
Metokote Corporation Plt 14	Grovetown	Columbia	15212	389,385.811	3,704,080.838	0	41.49	Yes	Yes
Augusta-Richmond County Deans Bridge Road Landfill	Blythe	Richmond	17962	393,567.697	3,690,991.866	28.21	45.37	No	Yes
Washington County Power LLC	Sandersville	Washington	14963	314,748.365	3,663,977.524	79.5	47.04	No	Yes
Imerys Clays, Inc., Deepstep Road Plant Sandersville, GA	Sandersville	Washington	18051	324,392.868	3,655,700.000	152.55	47.58	No	Yes
Georgia Bathware	Union Point	Greene	16494	307,434.462	3,720,941.109	1.5	47.75	No	Yes
Burgess Pigment Company, Sandersville Plant	Sandersville	Washington	16797	330,772.566	3,650,664.643	150	49.33	Yes	Yes
Kamin - Sandersville	Sandersville	Washington	18154	330,772.566	3,650,664.643	127.16	49.33	Yes	Yes
Quebecor World Kri Inc.	Evans	Columbia	17627	396,034.141	3,711,686.647	0	49.79	No	Yes
Thiele Kaolin Co. - Sandersville Plant	Sandersville	Washington	16792	330,686.071	3,649,164.561	415	50.77	Yes	Yes
Imerys Clays, Inc. Sandersville Calcine Plant	Sandersville	Washington	16693	330,657.126	3,649,161.399	94	50.78	Yes	Yes
Crawford Kitchens, Inc.	Martinez	Columbia	15577	398,963.452	3,708,219.657	0	51.71	No	Yes
Southern Natural Gas Co., Hall Gate	Milledgeville	Baldwin	15813	308,427.714	3,659,645.025	19.56	54.61	No	Beyond SID
Novelis, Inc.	Greensboro	Green	17636	295,863.013	3,714,898.770	17	55.76	No	Beyond SID
Solvay Advanced Polymers - Augusta	Augusta	Richmond	18040	405,656.191	3,692,765.697	21.8	57.23	No	Beyond SID
The Proctor & Gamble Manufacturing Company	Augusta	Richmond	16744	406,562.477	3,694,781.101	102	58.03	No	Beyond SID
Thermal Ceramics	Augusta	Richmond	18161	407,138.205	3,700,364.246	200	58.69	No	Beyond SID
Occidental Chemical Corp	Augusta	Richmond	16711	407,597.583	3,695,443.124	30	59.05	Yes	Beyond SID
Prayon Inc.	Augusta	Richmond	15484	407,741.621	3,695,468.473	281	59.19	Yes	Beyond SID
Kendall Co Augusta Plant	Augusta	Richmond	17997	408,696.153	3,695,710.019	2.49	60.14	Yes	Beyond SID

1. Emissions from facilities within 2 km of another site, as determined by a review of the coordinates when sorted by distance from the Warren facility, were grouped together when completing the 20D screening.



Table D-2. Regional Source Inventory - Minor Source Review

Facility Name	Most Recent Permit Number	City	County	UTM East (NAD83 Zone 17) (m)	UTM North (NAD83 Zone 17) (m)	Potential Facility PM ₁₀ Emissions (tpy)	Distance from Facility (km)	W/in 2 km of another facility?	Exclude Per 20D Rule? ^{1,2}
Martin Marietta Aggregates - Warrenton Rock Quarry	1423-301-0005-S-01-3	Warrenton	Warren	347,946	3,695,382	98.1	1.44	No	No
Jebeo, Inc.	2522-301-0010-S-01-0	Warrenton	Warren	343,662	3,697,525	0	4.97	No	Yes
Shaw Industries Group, Inc. - Plant 22/89	2281-189-0024-S-01-2	Thomson	McDuffie	356,807	3,701,793	33.2	9.70	No	Yes
Pelzer Acoustic Products LLC	2399-189-0020-S-01-1	Thomson	McDuffie	361,527	3,703,986	12	14.88	No	Yes
Reeves Construction Co.	2951-301-0007-S-01-0	Thomson	Warren	361,037	3,705,920	45.96	15.53	Yes	Yes
Hanson Aggregates Southeast LLC - Sparta Quarry	1423-141-0007-S-02-1	Sparta	Hancock	337,582	3,685,184	N/A	15.90	No	Yes
Milliken & Company Kingsley Plant	2221-189-0021-S-01-0	Thomson	McDuffie	360,222	3,710,799	N/A	18.31	No	Yes
Martin Marietta Aggregates - Camak Rock Quarry	1423-301-0002-S-01-1	Thomson	Warren	347,924	3,716,391	N/A	19.72	No	Yes
Erdene Materials Corporation - Dearing Plant	1455-189-0025-B-01-0	Dearing	McDuffie	371,754	3,697,857	N/A	23.22	No	Yes
Mestek, Inc. (dba Air Balance, Inc.)	3433-163-0015-B-01-0	Wrens	Jefferson	369,721	3,673,964	N/A	31.05	No	Yes
Continental Commercial Products, LLC - Glit Division	2295-163-0031-S-04-0	Wrens	Jefferson	371,459	3,675,353	N/A	31.29	No	Yes
Georgia Vitrified Brick & Clay Ltd	3259-036-11751	Harlem	Columbia	380,034	3,697,625	N/A	31.49	No	Yes
Corridor Materials LLC - Sparta Quarry	1423-141-0002-B-01-0	Sparta	Hancock	317,731	3,684,524	N/A	33.14	No	Yes
Corridor Mining LLC - Culverton Quarry	1423-141-0002-B-02-0	Sparta	Hancock	315,971	3,683,610	N/A	35.11	Yes	Yes
Reeves Co Inc. - Appling Hmaf	2951-073-0024-S-02-0	Appling	Columbia	381,234	3,710,694	N/A	35.55	No	Yes
Hexcel Reinforcements Corp.	2221-317-0019-S-03-0	Washington	Wilkes	338,045	3,731,573	N/A	36.44	No	Yes
Anthony Forest Products Company	2439-317-0027-S-01-2	Washington	Wilkes	337,424	3,731,418	N/A	36.48	Yes	Yes
Sample & Son Const and Demolition LF	4953-073-0030-S-01-0	Grovetown	Columbia	382,931	3,710,318	N/A	36.98	No	Yes
Reeves Construction Co.	2951-073-0026-S-02-0	Grovetown	Columbia	384,120	3,709,694	N/A	37.87	Yes	Yes
Augusta Ready Mix, Inc.	3273-073-0031-R-01-0	Grovetown	Columbia	384,589	3,709,140	N/A	38.12	No	Yes
International Paper Company - Washington Lumber Mill	2421-317-0023-V-01-1	Washington	Wilkes	338,979	3,733,610	N/A	38.15	No	Yes
Martin Marietta Aggregates	1423-036-11280	Grovetown	Columbia	385,159	3,709,414	N/A	38.75	No	Yes
Augusta Asphalt, LLC	2951-073-0028-R-01-0	Grovetown	Columbia	385,194	3,709,406	N/A	38.78	Yes	Yes
Paul Creek Energy Center	4911-303-0052-E-01-0	Warthen	Washington	325,635	3,664,932	N/A	39.16	No	Yes
AFG Insulations, Inc.	3296-317-0030-E-01-0	Washington	Wilkes	337,317	3,735,091	N/A	40.02	No	Yes
Aggregates, USA - Dogwood Quarry	1423-073-0002-S-02-0	Grovetown	Columbia	388,045	3,704,794	N/A	40.31	No	Yes
Ready Mix USA, LLC - Sparta Rock Quarry	1423-141-0008-S-01-0	East of Sparta	Hancock	310,493	3,681,646	N/A	40.93	No	Yes
Pollard Lumber Co	2421-073-0023-S-01-0	Appling	Columbia	382,225	3,720,504	N/A	41.24	No	Yes
MetoKote Corp Plant 14	3479-073-0020-S-02-0	Grovetown	Columbia	389,363	3,703,792	N/A	41.42	No	Yes
Pittman Construction Company	2951-133-0019-S-02-0	Greensboro	Greene	310,334	3,714,071	N/A	42.00	No	Yes
National Security Agency	9711-245-0176-S-01-0	Augusta	Richmond	390,998	3,699,652	N/A	42.54	No	Yes
Vulcan Materials	1423-133-0018-S-01-0	Greensboro	Greene	306,807	3,712,676	N/A	44.71	No	Yes
Georgia Department of Transportation - Davisboro Asphalt Plant	2951-303-0049-R-01-0	Davisboro	Washington	349,678	3,651,097	N/A	45.60	No	Yes
Leco Corporation	3297-036-11078	Grovetown	Columbia	394,372	3,705,331	N/A	46.62	No	Yes
Cobb EMC - Sandersville	4911-303-0045-S-01-0	Sandersville	Washington	331,802	3,652,098	N/A	47.63	No	Yes
Lafarge Building Materials, Inc. - Martinez Concrete Plant	3273-073-0015-R-01-0	Martinez	Columbia	395,868	3,705,928	N/A	48.20	No	Yes
Cobb EMC - Robin Springs	4911-303-0038-S-01-0	Sandersville	Washington	324,916	3,654,516	N/A	48.34	No	Yes
Kentucky-Tennessee Clay Company (Plt 53)	3295-303-0021-S-02-1	Sandersville	Washington	325,130	3,654,389	N/A	48.35	Yes	Yes
Unimin Corporation - Hephzibah	1455-245-0007-S-02-2	Hephzibah	Richmond	396,297	3,686,147	N/A	48.89	No	Yes
Thermo King Corporation	3585-163-0007-B-01-0	Louisville	Jefferson	370,429	3,652,598	N/A	49.21	No	Yes
US Battery Manufacturing Company	3691-073-0017-B-03-0	Evans	Columbia	395,518	3,712,345	N/A	49.50	No	Yes
Sandersville Ethanol, LLC	2869-303-0050-S-01-0	Sandersville	Washington	328,546	3,651,211	N/A	49.68	No	Yes
Kennametal Inc.	3545-073-0012-S-02-0	Evans	Columbia	396,787	3,710,426	N/A	50.15	No	Yes
Martin Marietta Aggregates	1423-121-5292-SM	Augusta	Richmond	398,434	3,709,133	N/A	51.41	No	Yes
Kentucky-Tennessee Clay Company (Plts 51 & 52)	3295-303-0005-S-01-0	Sandersville	Washington	329,474	3,648,637	N/A	51.70	No	Yes
Georgia Industrial Minerals, Inc.	3295-303-0046-B-01-1	Sandersville	Washington	316,547	3,655,890	N/A	51.85	No	Yes

1. As noted in EPA guidance "Recommended Minor Source (<100 tpy) Criteria Pollutant Inventory Techniques for PSD Modeling Projects", minor sources inherently have emissions below 100 tons per year.

Thus, any facility located more than 5 km from the proposed facility will be excluded per the 20D Rule.

2. Emissions from facilities within 2 km of another site, as determined by a review of the coordinates when sorted by distance from the Warren facility, were grouped together when completing the 20D screening.

Table D-3. Modeling Data for Georgia-Pacific Chip-n-Saw Warrenton

Source ID	Model ID	UTM East (NAD83 Zone 17) (m)	UTM North (NAD83 Zone 17) (m)	Elevation (m)	Potential PM Emissions (tons/yr)	Installation/ Modification Date	NAAQS Inventory Emission (lb/hr)	Increment Inventory Emission (lb/hr)	Height (m)	Diam. (m)	Vel. (m/s)	Temp. (F)	Notes
BESP	GPBESP	346,957	3,697,767	168	62.06	1/1/1973	14.17		23	1.30	18	500	1
103S	GP103S	346,957	3,697,767	168	0.84	1/1/1989	0.19		9	2.13	21	100	1,2
104S	GP104S	346,957	3,697,767	168	6.41	1/1/1989	1.46	0.89	7	2.15	21	100	1,2
S201	GPS201	346,957	3,697,767	168	0.70	1/1/1973	0.16		7	0.53	21	260	1
S202	GPS202	346,957	3,697,767	168	0.70	1/1/1973	0.16		7	0.53	21	260	1
S203	GPS203	346,957	3,697,767	168	0.70	1/1/1976	0.16		7	0.53	21	260	1
302P	GP302P	346,957	3,697,767	168	1.07	1/1/1995	0.25	0.15	20	3.23	18	100	1,2
105A	GP105A	346,957	3,697,767	168	7.46	1/1/1978	1.70		1	1.00	0	Ambient	1
105B	GP105B	346,957	3,697,767	168	6.02	1/1/1978	1.37		1	1.00	0	Ambient	1
Facility Total:					85.96		19.63	1.15					3

1. As total of individual max actual emission rates did not sum to facility-wide total potential emissions presented in Title V application, individual source emission rates were scaled by ratio of (total potential / total max actual) to ensure total facility-wide potential emissions were modeled.
 2. Increment emission rates reflect max actual emissions as presented in facility Title V application.

Table D-4. Modeling Data for Temple-Inland

Source ID	Model ID	UTM East (NAD83 Zone 17) (m)	UTM North (NAD83 Zone 17) (m)	Elevation (m)	Potential PM Emissions (tons/yr)	Installation/ Modification Date	NAAQS Inventory Emission (lb/hr)	Increment Inventory Emission (lb/hr)	Height (m)	Diam. (m)	Vel. (m/s)	Temp. (F)	Notes
SB01	TINSB01	362,550	3,703,879	170	25.94	1/1/1974	5.92		18	1.1	4.6	390	
SB02	TINSB02	362,550	3,703,879	170	1.47	1/1/1974	0.34		14	0.4	8.8	80	
SD06	TINSD06	362,550	3,703,879	170	47.14	1/1/1997	10.76	9.73	25	1.5	32.0	80	1
SD11	TINSD11	362,550	3,703,879	170	73.48	1/1/1997	16.78	15.17	12	2.5	12.2	150	1
SF01	TINSF01	362,550	3,703,879	170	8.81	1/1/1974	2.01		2	0.8	20.9	80	
SF02	TINSF02	362,550	3,703,879	170	4.88	1/1/1974	1.11		5	0.7	15.5	80	
SF03	TINSF03	362,550	3,703,879	170	12.50	1/1/1991	2.85	2.58	3	1.3	12.3	80	1
SF04	TINSF04	362,550	3,703,879	170	12.50	1/1/1991	2.85	2.58	3	1.3	12.3	80	1
SM01	TINSM01	362,550	3,703,879	170	10.36	1/1/1974	2.37		26	0.9	24.4	80	
SM02	TINSM02	362,550	3,703,879	170	10.21	1/1/1974	2.33		26	0.9	24.4	80	
SP01	TINSP01	362,550	3,703,879	170	3.33	1/1/1997	0.76	0.69	19	1.2	3.7	80	1
SP03	TINSP03	362,550	3,703,879	170	22.78	1/1/1997	5.20	4.70	16	1.8	11.3	80	1
SP56	TINSP56	362,550	3,703,879	170	12.83	1/1/1997	2.93	2.65	14	1.6	7.3	120	1
SP07	TINSP07	362,550	3,703,879	170	9.11	1/1/2001	2.08	1.88	5	0.9	16.9	80	1
SR01	TINSR01	362,550	3,703,879	170	1.84	1/1/1974	0.42		26	0.8	2.4	80	
SP4X	TINSP4X	362,550	3,703,879	170	17.92	1/1/1974	4.09		16	1.6	21.5	120	
Facility Total:					275.10		62.81	39.98					2

1. Increment emission rates reflect actual emissions as presented in 2005 NEI dataset.
 2. As individual stack emission rates did not sum to facility-wide total presented in Title V application, individual source emission rates were scaled appropriately to ensure total facility-wide emissions were modeled.

Table D-5. Modeling Data for TRW Warrenton Foundry

Source ID	Model ID	UTM East (NAD83 Zone 17) (m)	UTM North (NAD83 Zone 17) (m)	Elevation (m)	Potential PM Emissions (tons/yr)	Installation/ Modification Date	NAAQS Inventory Emission (lb/hr)	Increment Inventory Emission (lb/hr)	Height (m)	Diam. (m)	Vel. (m/s)	Temp. (F)	Notes
910	TRW910	352,855	3,699,389	148	10.21	1/1/1995	2.33	2.33	27	1.5	15.5	200	1
920	TRW920	352,855	3,699,389	148	4.69	1/1/1995	1.07	1.07	18	2.1	16.5	150	1
930	TRW930	352,855	3,699,389	148	46.19	1/1/1995	10.55	10.55	18	2.0	24.0	150	1
980	TRW980	352,855	3,699,389	148	0.19	1/1/1995	0.04	0.04	9	0.2	15.2	Ambient	1
981	TRW981	352,855	3,699,389	148	0.19	1/1/1995	0.04	0.04	9	0.2	15.2	Ambient	1
982	TRW982	352,855	3,699,389	148	0.19	1/1/1995	0.04	0.04	9	0.2	15.2	Ambient	1
983	TRW983	352,855	3,699,389	148	0.19	1/1/1995	0.04	0.04	9	0.2	15.2	Ambient	1
941A	TRW941A	352,855	3,699,389	148	0.30	1/1/1995	0.07	0.07	20	0.5	15.2	Ambient	1
921A	TRW921A	352,855	3,699,389	148	0.30	1/1/1995	0.07	0.07	20	0.5	15.2	Ambient	1
940A	TRW940A	352,855	3,699,389	148	3.00E-01	1/1/1995	0.07	0.07	66	1.5	50.0	Ambient	
Facility Total:					94.43		14.33	14.33					2

1. NAAQS and Increment emission rates both reflect potential emissions as presented in Title V Application.
 2. To provide a conservative estimate of facility impacts to regional modeling, no adjustment applied to individual stack emissions, although modeled total exceeds listed facility-wide total.

Table D-6. Modeling Data for Martin Marietta Aggregates - Warrenton Rock Quarry

Source	Schedule	Source ID	Model ID	UTM East (NAD83 Zone 17) (m)	UTM North (NAD83 Zone 17) (m)	Elevation (m)	Height (ft)	Horizontal Dimension (ft)	Vertical Dimension (ft)	Installation Date per most recent permit	2006 PM10 Emissions (lb/hr)	2008 PM10 Emissions (lb/hr)	Difference b/l 1996 and 2008 PM Emissions (lb/hr)	NAAQS Inventory Emission (lb/hr)	Increment Inventory Emission (lb/hr)	Notes
Current Primary Plant Emission Sources																
54" x 26 Grizzly Feeder	20 hr day, 4AM-11PM	FD1	MMQ001	347,291	3,694,330	157.6	25	2,079	5,814	9/26/2006	0.0896	0.0243	-0.065	0.024	-0.065	
C-145B Jaw Crusher	20 hr day, 4AM-11PM	CR1	MMQ002	347,291	3,694,330	157.6	20	0.789	4,651	11/9/1999	0.9264	0.5376	-0.399	0.538	-0.399	
Conveyor #P1 54" x 75'	20 hr day, 4AM-11PM	CCP1	MMQ003	347,291	3,694,330	157.6	5	1.047	2,326	11/9/1999		0.0672	0.067	0.067	0.067	
Conveyor #P2 42" x 230'	20 hr day, 4AM-11PM	CCP2	MMQ004	347,291	3,694,330	157.6	5	0.814	2,326	11/9/1999		0.0672	0.067	0.067	0.067	
6 x 16 2d Screen #1	20 hr day, 4AM-11PM	SC1	MMQ005	347,369	3,694,260	157.1	30	0.698	6,977	11/9/1999		1.176	1.176	1.176	1.176	
5 1/2 STD Crusher	20 hr day, 4AM-11PM	CR2	MMQ006	347,369	3,694,260	157.1	15	1.133	6,977	11/9/1999	0.8392	0.5103	-0.325	0.510	-0.325	
Conveyor #P3 36" x 100'	20 hr day, 4AM-11PM	CCP3	MMQ007	347,369	3,694,260	157.1	5	0.698	2,326	11/9/1999		0.0672	0.067	0.067	0.067	
Conveyor #P4 36" x 404'	20 hr day, 4AM-11PM	CCP4	MMQ008	347,426	3,694,290	155.8	5	0.698	2,326	11/9/1999		0.0672	0.067	0.067	0.067	
Conveyor #P5 36" x 404'	20 hr day, 4AM-11PM	CCP5	MMQ009	347,493	3,694,460	155.2	5	0.698	2,326	11/9/1999		0.0672	0.067	0.067	0.067	
Conveyor #P6 36" x 404'	20 hr day, 4AM-11PM	CCP6	MMQ010	347,533	3,694,580	154.1	5	0.698	2,326	11/9/1999		0.0672	0.067	0.067	0.067	
Conveyor #P7 36" x 319'	20 hr day, 4AM-11PM	CCP7	MMQ011	347,576	3,694,700	152.6	5	0.698	2,326	11/9/1999		0.0672	0.067	0.067	0.067	
Conveyor #P7A 36" x 330'	20 hr day, 4AM-11PM	CCP7A	MMQ012	347,576	3,694,700	152.6	5	0.698	2,326	3/8/2006		0.0672	0.067	0.067	0.067	
Primary Plant Sources, 1996, Since Removed																
Conveyor #1 30" x 100'	20 hr day, 4AM-11PM	CC1	MMQ013	347,304	3,694,207	156.9	5	1.047	2,326	1970s	0.0896		-0.090	0.000	-0.090	1
Conveyor #2 30" x 100'	20 hr day, 4AM-11PM	CC2	MMQ014	347,331	3,694,287	155.9	5	0.581	2,326	1970s	0.4872		-0.487	0.000	-0.487	1
Rip Rap Conveyor 60" x 50'	20 hr day, 4AM-11PM	CC2A	MMQ015	347,328	3,694,284	155.9	5	0.581	2,326	1970s		0.5404	-0.540	0.000	-0.540	1
Rip Rap Stacker 36" x 75'	20 hr day, 4AM-11PM	CC2B	MMQ016	347,330	3,694,284	155.8	5	0.698	2,326	1970s	0.0532		-0.053	0.000	-0.053	1
Conveyor #3 36" x 30'	20 hr day, 4AM-11PM	CC3	MMQ017	347,328	3,694,284	155.9	5	0.698	2,326	1970s		0.5768	-0.577	0.000	-0.577	1
Conveyor #4 36" x 30'	20 hr day, 4AM-11PM	CC4	MMQ018	347,335	3,694,297	156.1	5	1.134	2,326	1970s		0.5768	-0.577	0.000	-0.577	1
Conveyor #5 36" x 30'	20 hr day, 4AM-11PM	CC5	MMQ019	347,359	3,694,336	156.8	5	0.698	2,326	1970s		0.5768	-0.577	0.000	-0.577	1
Conveyor #6 30" x 150'	20 hr day, 4AM-11PM	CC6	MMQ020	347,359	3,694,336	156.8	5	0.581	2,326	1970s	0.6496		-0.650	0.000	-0.650	1
Current Secondary Plant Emission Sources																
36" Conveyor #8	20 hr day, 4AM-12AM	CC8	MMQ021	347,519	3,694,940	156.7	5	0.698	2,326	9/26/2006		0.048	0.048	0.048	0.048	
8x24 3d Screen #2	20 hr day, 4AM-12AM	SC2	MMQ022	347,436	3,695,060	159.1	30	0.581	6,977	9/26/2006		0.84	0.840	0.840	0.840	
36" Conveyor #9	20 hr day, 4AM-12AM	CC9	MMQ023	347,436	3,695,060	159.1	5	0.581	2,326	9/26/2006		0.0253	0.025	0.025	0.025	
24" Conveyor #12	20 hr day, 4AM-12AM	CC12	MMQ024	347,436	3,695,060	159.1	5	0.581	2,326	9/26/2006		0.0126	0.013	0.013	0.013	
75 Ton Surge Bin #1	20 hr day, 4AM-12AM	BN1	MMQ025	347,382	3,695,030	160.0	25	0.598	5,814	9/26/2006		0.0126	0.013	0.013	0.013	
75 Ton Surge Bin #2	20 hr day, 4AM-12AM	BN2	MMQ026	347,380	3,695,040	160.3	25	0.581	5,814	9/26/2006		0.0126	0.013	0.013	0.013	
48" x 19" Bell Feeder #1	20 hr day, 4AM-12AM	BF1	MMQ027	347,382	3,695,030	160.0	15	0.581	6,977	9/26/2006		0.0126	0.013	0.013	0.013	
48" x 19" Bell Feeder #2	20 hr day, 4AM-12AM	BF2	MMQ028	347,390	3,695,040	160.3	15	2.279	6,977	9/26/2006		0.0126	0.013	0.013	0.013	
1560 Omnicone Crusher	20 hr day, 4AM-12AM	CR3	MMQ029	347,382	3,695,030	160.0	15	1.133	6,977	9/26/2006		0.1553	0.155	0.155	0.155	
Secondary Plant Source	20 hr day, 4AM-12AM	CR4	MMQ030	347,390	3,695,040	160.3	15	1.133	6,977	9/26/2006		0.1553	0.155	0.155	0.155	
Secondary Plant Source	20 hr day, 4AM-12AM	CC10	MMQ031	347,390	3,695,040	160.3	5	0.698	2,326	9/26/2006		0.0253	0.025	0.025	0.025	
Secondary Plant Source	20 hr day, 4AM-12AM	CC11	MMQ032	347,390	3,695,040	160.3	5	0.698	2,326	9/26/2006		0.0253	0.025	0.025	0.025	
Secondary Plant Source	20 hr day, 4AM-12AM	SC3	MMQ033	347,386	3,695,130	162.0	30	2.279	6,977	9/26/2006		0.4424	0.442	0.442	0.442	
Secondary Plant Source	20 hr day, 4AM-12AM	CC15	MMQ034	347,386	3,695,130	162.0	5	0.581	2,326	9/26/2006		0.0204	0.020	0.020	0.020	
Secondary Plant Source	20 hr day, 4AM-12AM	SC4	MMQ035	347,386	3,695,130	162.0	30	2.279	6,977	9/26/2006		0.3565	0.357	0.357	0.357	
Secondary Plant Source	20 hr day, 4AM-12AM	BN4	MMQ036	347,386	3,695,130	162.0	15	0.698	6,977	9/26/2006		0.0001	0.000	0.000	0.000	
Secondary Plant Source	20 hr day, 4AM-12AM	BN5	MMQ037	347,386	3,695,130	162.0	15	0.698	6,977	9/26/2006		0.0001	0.000	0.000	0.000	
Secondary Plant Source	20 hr day, 4AM-12AM	BN6	MMQ038	347,386	3,695,130	162.0	15	0.698	6,977	9/26/2006		0.0051	0.005	0.005	0.005	
Secondary Plant Source	20 hr day, 4AM-12AM	BN7	MMQ039	347,386	3,695,130	162.0	15	0.698	6,977	9/26/2006		0.0051	0.005	0.005	0.005	
Secondary Plant Source	20 hr day, 4AM-12AM	BN8	MMQ040	347,386	3,695,130	162.0	15	0.698	6,977	9/26/2006		0.0052	0.005	0.005	0.005	
Secondary Plant Source	20 hr day, 4AM-12AM	CC17	MMQ041	347,386	3,695,130	162.0	5	0.581	2,326	9/26/2006		0.0047	0.005	0.005	0.005	
Secondary Plant Source	20 hr day, 4AM-12AM	FD3	MMQ042	347,386	3,695,130	162.0	15	0.698	6,977	9/26/2006		0.0052	0.005	0.005	0.005	
36" Conveyor #19	20 hr day, 4AM-12AM	CC19	MMQ043	347,386	3,695,130	162.0	5	0.698	2,326	9/26/2006		0.0156	0.016	0.016	0.016	
36" Conveyor #13	20 hr day, 4AM-12AM	CC13	MMQ044	347,436	3,695,060	159.1	5	0.698	2,326	9/26/2006		0.0269	0.027	0.027	0.027	
36" Conveyor #14b	20 hr day, 4AM-12AM	CC14b	MMQ045	347,510	3,695,110	162.2	5	0.698	2,326	3/1/2008		0.0269	0.027	0.027	0.027	2
36" Telescoping Conveyor #14	20 hr day, 4AM-12AM	CC14	MMQ046	347,510	3,695,110	162.2	5	0.698	2,326	9/26/2006		0.0269	0.027	0.027	0.027	
24" Conveyor #18	20 hr day, 4AM-12AM	CC18	MMQ047	347,470	3,695,080	160.3	5	0.465	2,326	9/26/2006		0.0005	0.001	0.001	0.001	
Conveyor #20 24" x 50'	20 hr day, 4AM-12AM	CC20	MMQ048	347,407	3,695,093	160.8	5	0.465	2,326	9/26/2006		0	0.000	0.000	0.000	3
Conveyor #21 30" x 75'	20 hr day, 4AM-12AM	CC21	MMQ049	347,407	3,695,093	160.8	5	0.581	2,326	9/26/2006		0	0.000	0.000	0.000	3
30" Conveyor #16	20 hr day, 4AM-12AM	CC16	MMQ050	347,374	3,695,150	162.0	5	0.581	2,326	9/26/2006		0.0054	0.005	0.005	0.005	
	20 hr day, 4AM-12AM	CC26	MMQ051	347,343	3,695,220	160.9	5	0.581	2,326	9/26/2006		0.0056	0.006	0.006	0.006	
	20 hr day, 4AM-12AM	CC27	MMQ052	347,407	3,695,230	161.7	5	0.581	2,326	9/26/2006		0.0056	0.006	0.006	0.006	
Secondary Plant Sources, 1996, Since Removed																
6 x 16 3 Deck Screen #1	20 hr day, 4AM-12AM	SC1	MMQ053	347,338	3,694,296	156.0	30	2.279	6,977	1970s	6.9600		-6.960	0.000	-6.960	4
4" STD Crusher	20 hr day, 4AM-12AM	CR3	MMQ054	347,356	3,694,348	157.2	15	1.133	6,977	1970s		0.5568	-0.557	0.000	-0.557	5
Conveyor #7 30" x 30'	20 hr day, 4AM-12AM	CC7	MMQ055	347,372	3,694,376	157.2	5	0.581	2,326	1970s		0.1988	-0.199	0.000	-0.199	6
Conveyor #8 30" x 60'	20 hr day, 4AM-12AM	CC8	MMQ056	347,384	3,694,391	157.0	5	0.581	2,326	1970s		0.1988	-0.199	0.000	-0.199	6
Conveyor #9 30" x 100'	20 hr day, 4AM-12AM	CC9	MMQ057	347,405	3,694,411	156.6	5	0.581	2,326	1970s		0.1988	-0.199	0.000	-0.199	6
Conveyor #10 36" x 30'	20 hr day, 4AM-12AM	CC10	MMQ058	347,361	3,694,382	157.5	5	0.698	2,326	1970s		0.3248	-0.325	0.000	-0.325	6
Conveyor #11 36" x 60'	20 hr day, 4AM-12AM	CC11	MMQ059	347,366	3,694,351	157.0	5	0.581	2,326	1970s		0.1260	-0.126	0.000	-0.126	6
Conveyor #12 30" x 120'	20 hr day, 4AM-12AM	CC12	MMQ060	347,361	3,694,382	157.5	5	0.581	2,326	1970s		0.3164	-0.316	0.000	-0.316	6
6 x 16 3 Deck Screen #2	20 hr day, 4AM-12AM	SC2	MMQ061	347,372	3,694,377	157.2	30	2.279	6,977	1970s		5.4000	-5.400	0.000	-5.400	4
1560 Omnicone Crusher	20 hr day, 4AM-12AM	CR4	MMQ062	347,332	3,694,288	155.9	15	1.133	6,977	1970s		0.3096	-0.310	0.000	-0.310	5
Conveyor #13 36" x 30'	20 hr day, 4AM-12AM	CC13	MMQ063	347,348	3,694,353	157.5	5	0.698	2,326	1970s		0.1806	-0.181	0.000	-0.181	6
Conveyor #17 30" x 80'	20 hr day, 4AM-12AM	CC17	MMQ064	347,362	3,694,368	157.4	5	0.581</								

Table D-6. Modeling Data for Martin Marietta Aggregates - Warrenton Rock Quarry

Source	Schedule	Source ID	Model ID	UTM East (NAD83 Zone 17) (m)	UTM North (NAD83 Zone 17) (m)	Elevation (m)	Height (ft)	Horizontal Dimension (ft)	Vertical Dimension (ft)	Installation Date per most recent permit	2006 PM10 Emissions (lb/hr)	2008 PM10 Emissions (lb/hr)	Difference b/t 1996 and 2008 PM Emissions (lb/hr)	NAAQs Inventory Emission (lb/hr)	Increment Inventory Emission (lb/hr)	Notes
Quarry Roads																
Paved Road	15 hr day, 4AM-7PM	RD2006	MMQ073	347,677	3,695,370	162.3	0	14.7	5.81	0.0281	0.087453624	0.039	0.087	0.039	7	
Paved Road	15 hr day, 4AM-7PM	RD2007	MMQ074	347,668	3,695,340	161.3	0	14.7	5.81	0.0281	0.087453624	0.039	0.087	0.039	7	
Paved Road	15 hr day, 4AM-7PM	RD2008	MMQ075	347,659	3,695,310	160.6	0	14.7	5.81	0.0141	0.043726812	0.030	0.044	0.030	7	
Paved Road	15 hr day, 4AM-7PM	RD2009	MMQ076	347,645	3,695,280	159.9	0	14.7	5.81	0.0141	0.043726812	0.030	0.044	0.030	7	
Unpaved Road	15 hr day, 4AM-7PM	RD2010	MMQ077	347,622	3,695,260	160.1	0	14.7	5.81	0.1467	0.456273019	0.310	0.456	0.310	7	
Unpaved Road	15 hr day, 4AM-7PM	RD2011	MMQ078	347,594	3,695,250	161.0	0	14.7	5.81	0.1467	0.456273019	0.310	0.456	0.310	7	
Unpaved Road	15 hr day, 4AM-7PM	RD2012	MMQ079	347,681	3,695,210	160.7	0	14.7	5.81	0.0141	0.043726812	0.030	0.044	0.030	7	
Paved Road	15 hr day, 4AM-7PM	RD2013	MMQ080	347,683	3,695,270	159.2	0	14.7	5.81	0.0141	0.043726812	0.030	0.044	0.030	7	
Paved Road	15 hr day, 4AM-7PM	RD2014	MMQ081	347,678	3,695,240	158.2	0	14.7	5.81	0.0141	0.043726812	0.030	0.044	0.030	7	
Paved Road	15 hr day, 4AM-7PM	RD2015	MMQ082	347,672	3,695,210	158.6	0	14.7	5.81	0.0141	0.043726812	0.030	0.044	0.030	7	
Paved Road	15 hr day, 4AM-7PM	RD2016	MMQ083	347,666	3,695,180	159.0	0	14.7	5.81	0.0141	0.043726812	0.030	0.044	0.030	7	
Paved Road	15 hr day, 4AM-7PM	RD2017	MMQ084	347,660	3,695,150	159.4	0	14.7	5.81	0.0141	0.043726812	0.030	0.044	0.030	7	
Unpaved Road	15 hr day, 4AM-7PM	RD2018	MMQ085	347,654	3,695,120	159.8	0	14.7	5.81	0.0733	0.22695827	0.154	0.228	0.154	7	
Unpaved Road	15 hr day, 4AM-7PM	RD2019	MMQ086	347,640	3,695,090	160.3	0	14.7	5.81	0.0733	0.22695827	0.154	0.228	0.154	7	
Unpaved Road	15 hr day, 4AM-7PM	RD2020	MMQ087	347,613	3,695,070	161.1	0	14.7	5.81	0.0733	0.22695827	0.154	0.228	0.154	7	
Unpaved Road	15 hr day, 4AM-7PM	RD2021	MMQ088	347,539	3,695,240	162.3	0	14.7	5.81	0.0733	0.22695827	0.154	0.228	0.154	7	
Unpaved Road	15 hr day, 4AM-7PM	RD2022	MMQ089	347,527	3,695,210	163.4	0	14.7	5.81	0.0733	0.22695827	0.154	0.228	0.154	7	
Unpaved Road	15 hr day, 4AM-7PM	RD2023	MMQ090	347,554	3,695,190	163.0	0	14.7	5.81	0.0733	0.22695827	0.154	0.228	0.154	7	
Unpaved Road	15 hr day, 4AM-7PM	RD2024	MMQ091	347,580	3,695,170	162.0	0	14.7	5.81	0.0733	0.22695827	0.154	0.228	0.154	7	
Unpaved Road	15 hr day, 4AM-7PM	RD2025	MMQ092	347,591	3,695,140	161.4	0	14.7	5.81	0.0733	0.22695827	0.154	0.228	0.154	7	
Unpaved Road	15 hr day, 4AM-7PM	RD2026	MMQ093	347,595	3,695,110	161.3	0	14.7	5.81	0.0733	0.22695827	0.154	0.228	0.154	7	
Unpaved Road	15 hr day, 4AM-7PM	RD2027	MMQ094	347,598	3,695,080	161.4	0	14.7	5.81	0.0733	0.22695827	0.154	0.228	0.154	7	
Unpaved Road	15 hr day, 4AM-7PM	RD2028	MMQ095	347,563	3,695,250	161.6	0	14.7	5.81	0.1467	0.456273019	0.310	0.456	0.310	7	
Unpaved Road	15 hr day, 4AM-7PM	RD2029	MMQ096	347,533	3,695,260	161.9	0	14.7	5.81	0.0733	0.22695827	0.154	0.228	0.154	7	
Unpaved Road	15 hr day, 4AM-7PM	RD2030	MMQ097	347,505	3,695,270	162.0	0	14.7	5.81	0.0733	0.22695827	0.154	0.228	0.154	7	
Unpaved Road	15 hr day, 4AM-7PM	RD2031	MMQ098	347,478	3,695,280	161.8	0	14.7	5.81	0.0733	0.22695827	0.154	0.228	0.154	7	
Unpaved Road	15 hr day, 4AM-7PM	RD2032	MMQ099	347,450	3,695,300	161.3	0	14.7	5.81	0.0733	0.22695827	0.154	0.228	0.154	7	
Unpaved Road	15 hr day, 4AM-7PM	RD2033	MMQ100	347,422	3,695,310	160.3	0	14.7	5.81	0.0733	0.22695827	0.154	0.228	0.154	7	
Unpaved Road	15 hr day, 4AM-7PM	RD2034	MMQ101	347,391	3,695,310	158.4	0	14.7	5.81	0.0409	0.12717663	0.086	0.127	0.086	7	
Unpaved Road	15 hr day, 4AM-7PM	RD2035	MMQ102	347,361	3,695,310	157.9	0	14.7	5.81	0.0409	0.12717663	0.086	0.127	0.086	7	
Unpaved Road	15 hr day, 4AM-7PM	RD2036	MMQ103	347,330	3,695,310	157.8	0	14.7	5.81	0.0409	0.12717663	0.086	0.127	0.086	7	
Unpaved Road	15 hr day, 4AM-7PM	RD2037	MMQ104	347,300	3,695,310	157.6	0	14.7	5.81	0.0409	0.12717663	0.086	0.127	0.086	7	
Unpaved Road	15 hr day, 4AM-7PM	RD2038	MMQ105	347,269	3,695,310	158.1	0	14.7	5.81	0.0409	0.12717663	0.086	0.127	0.086	7	
Unpaved Road	15 hr day, 4AM-7PM	RD2039	MMQ106	347,238	3,695,310	158.7	0	14.7	5.81	0.0409	0.12717663	0.086	0.127	0.086	7	
Unpaved Road	15 hr day, 4AM-7PM	RD2040	MMQ107	347,209	3,695,310	159.2	0	14.7	5.81	0.0409	0.12717663	0.086	0.127	0.086	7	
Unpaved Road	15 hr day, 4AM-7PM	RD2041	MMQ108	347,185	3,695,280	160.0	0	14.7	5.81	0.0409	0.12717663	0.086	0.127	0.086	7	
Unpaved Road	15 hr day, 4AM-7PM	RD2042	MMQ109	347,171	3,695,260	160.5	0	14.7	5.81	0.0409	0.12717663	0.086	0.127	0.086	7	
Unpaved Road	15 hr day, 4AM-7PM	RD2043	MMQ110	347,166	3,695,230	160.8	0	14.7	5.81	0.0409	0.12717663	0.086	0.127	0.086	7	
Unpaved Road	15 hr day, 4AM-7PM	RD2044	MMQ111	347,171	3,695,190	160.3	0	14.7	5.81	0.0409	0.12717663	0.086	0.127	0.086	7	
Unpaved Road	15 hr day, 4AM-7PM	RD2045	MMQ112	347,176	3,695,160	159.9	0	14.7	5.81	0.0409	0.12717663	0.086	0.127	0.086	7	
Unpaved Road	15 hr day, 4AM-7PM	RD2046	MMQ113	347,181	3,695,130	159.4	0	14.7	5.81	0.0409	0.12717663	0.086	0.127	0.086	7	
Unpaved Road	15 hr day, 4AM-7PM	RD2047	MMQ114	347,186	3,695,100	158.6	0	14.7	5.81	0.0409	0.12717663	0.086	0.127	0.086	7	
Unpaved Road	15 hr day, 4AM-7PM	RD2048	MMQ115	347,193	3,695,070	157.9	0	14.7	5.81	0.0409	0.12717663	0.086	0.127	0.086	7	
Unpaved Road	15 hr day, 4AM-7PM	RD2049	MMQ116	347,208	3,695,050	158.0	0	14.7	5.81	0.0409	0.12717663	0.086	0.127	0.086	7	
Unpaved Road	15 hr day, 4AM-7PM	RD2050	MMQ117	347,233	3,695,030	158.2	0	14.7	5.81	0.0409	0.12717663	0.086	0.127	0.086	7	
Unpaved Road	15 hr day, 4AM-7PM	RD2051	MMQ118	347,262	3,695,020	158.6	0	14.7	5.81	0.0409	0.12717663	0.086	0.127	0.086	7	
Unpaved Road	15 hr day, 4AM-7PM	RD2052	MMQ119	347,292	3,695,010	158.3	0	14.7	5.81	0.0409	0.12717663	0.086	0.127	0.086	7	
Unpaved Road	15 hr day, 4AM-7PM	RD2053	MMQ120	347,323	3,695,010	158.8	0	14.7	5.81	0.0409	0.12717663	0.086	0.127	0.086	7	
Unpaved Road	15 hr day, 4AM-7PM	RD2054	MMQ121	347,353	3,695,010	159.3	0	14.7	5.81	0.0409	0.12717663	0.086	0.127	0.086	7	
Unpaved Road	15 hr day, 4AM-7PM	RD2055	MMQ122	347,385	3,695,000	159.1	0	14.7	5.81	0.0409	0.12717663	0.086	0.127	0.086	7	
Unpaved Road	15 hr day, 4AM-7PM	RD2056	MMQ123	347,411	3,695,020	159.1	0	14.7	5.81	0.0409	0.12717663	0.086	0.127	0.086	7	
Unpaved Road	15 hr day, 4AM-7PM	RD2057	MMQ124	347,437	3,695,040	158.2	0	14.7	5.81	0.0409	0.12717663	0.086	0.127	0.086	7	
Unpaved Road	15 hr day, 4AM-7PM	RD2058	MMQ125	347,464	3,695,050	158.5	0	14.7	5.81	0.0409	0.12717663	0.086	0.127	0.086	7	
Unpaved Road	15 hr day, 4AM-7PM	RD2059	MMQ126	347,495	3,695,050	160.2	0	14.7	5.81	0.0409	0.12717663	0.086	0.127	0.086	7	
Unpaved Road	15 hr day, 4AM-7PM	RD2060	MMQ127	347,525	3,695,040	161.2	0	14.7	5.81	0.0409	0.12717663	0.086	0.127	0.086	7	
Unpaved Road	15 hr day, 4AM-7PM	RD2061	MMQ128	347,556	3,695,030	161.8	0	14.7	5.81	0.0409	0.12717663	0.086	0.127	0.086	7	
Unpaved Road	15 hr day, 4AM-7PM	RD2062	MMQ129	347,584	3,695,060	161.7	0	14.7	5.81	0.0409	0.12717663	0.086	0.127	0.086	7	
Unpaved Road	15 hr day, 4AM-7PM	RD3001	MMQ130	347,271	3,694,320	157.2	0	14.7	5.81	0.1157	0.35989044	0.244	0.360	0.244	7	
Unpaved Road	15 hr day, 4AM-7PM	RD3002	MMQ131	347,241	3,694,310	156.7	0	14.7	5.81	0.1157	0.35989044	0.244	0.360	0.244	7	
Unpaved Road	15 hr day, 4AM-7PM	RD3003	MMQ132	347,211	3,694,310	156.3	0	14.7	5.81	0.1157	0.35989044	0.244	0.360	0.244	7	
Unpaved Road	15 hr day, 4AM-7PM	RD3004	MMQ133	347,180	3,694,310	155.9	0	14.7	5.81	0.1157	0.35989044	0.244	0.360	0.244	7	
Unpaved Road	15 hr day, 4AM-7PM	RD3005	MMQ134	347,150	3,694,300	155.3	0	14.7	5.81	0.1157	0.35989044	0.244	0.360	0.244	7	
Unpaved Road	15 hr day, 4AM-7PM	RD3006	MMQ135	347,119	3,694,300	155.2	0	14.7	5.81	0.1157	0.35989044	0.244	0.360	0.244	7	
Unpaved Road	15 hr day, 4AM-7PM	RD3007	MMQ136	347,090	3,694,310	157.0	0	14.7	5.81	0.1157	0.35989044	0.244	0.360	0.244	7	
Unpaved Road	15 hr day, 4AM-7PM	RD3008	MMQ137	347,060	3,694,320	158.2	0	14.7	5.81	0.1157	0.35989044	0.244	0.360	0.244	7	
Unpaved Road	15 hr day, 4AM-7PM	RD3009	MMQ138	347,031	3,694,330	158.2	0	14.7	5.81	0.1157	0.35989044	0.244	0.360	0.244	7	
Unpaved Road	15 hr day, 4AM-7PM	RD3010	MMQ139	347,007	3,694,360	157.1	0	14.7	5.81	0.1157	0.35989044	0.244	0.360	0.244	7	
Unpaved Road	15 hr day, 4AM-7PM	RD3011	MMQ140	346,995	3,694,380	156.3	0	14.7	5.81	0.1157	0.35989044	0.244	0.360	0.244	7	
Unpaved Road	15 hr day, 4AM-7PM	RD3012	MMQ141	346,981	3,694,410	155.2	0	14.7	5.81	0.1157	0.35989044	0.244	0.360	0.244	7	
Unpaved Road	15 hr day, 4AM-7PM	RD3013														