

**PM2.5 REDESIGNATION REQUEST & MAINTENANCE PLAN**  
**MOBILE EMISSIONS INVENTORIES**  
**MWAQC TAC Meeting (January 10, 2012) Item 2**

**Table 1 - Year 2002 Emissions (by State)**

State	Annual PM SIP Pollutants					
	VOC	NOX	PM2.5	PM10	NH3	SO2
DC	4,743.00	9,962.80	302.27	431.66	235.84	280.67
Suburban MD	22,212.06	63,391.74	2,056.87	2,553.98	1,161.68	1,706.46
Northern VA	20,515.98	53,598.46	1,599.75	2,029.60	961.44	1,621.78
<b>Regional Total</b>	<b>47,471.05</b>	<b>126,952.99</b>	<b>3,958.89</b>	<b>5,015.24</b>	<b>2,358.96</b>	<b>3,608.92</b>

Notes:

1. Emissions from Refueling Displacement Vapor Loss and Refueling Spillage Loss were EXCLUDED
2. PM2.5 and PM10 emissions include emissions from tirewear and brakewear processes
3. MOVES2010a Emissions Model with local inputs and Version 2.3 model

**Table 2 - Year 2002 Emissions (by Jurisdiction)**

State	Jurisdiction	Annual PM SIP Pollutants					
		VOC	NOX	PM2.5	PM10	NH3	SO2
DC	District of Columbia	4,743.00	9,962.80	302.27	431.66	235.84	280.67
Suburban MD	Charles County	1,450.46	3,813.95	130.67	159.44	58.63	98.53
	Frederick County	3,070.43	11,264.93	374.66	442.06	181.78	301.94
	Montgomery County	8,629.38	21,692.31	685.23	881.81	439.63	601.98
	Prince George's County	9,061.79	26,620.54	866.31	1,070.66	481.63	704.01
	<b>MD Total</b>	<b>22,212.06</b>	<b>63,391.74</b>	<b>2,056.87</b>	<b>2,553.98</b>	<b>1,161.68</b>	<b>1,706.46</b>
Northern VA	City of Alexandria	1,331.79	2,457.24	68.60	91.54	44.23	76.17
	Arlington County	2,060.67	4,210.91	113.66	154.85	99.19	141.63
	Fairfax County	10,808.75	28,390.46	828.29	1,058.43	540.39	875.03
	Loudoun County	2,405.42	7,275.93	244.94	305.75	107.70	216.19
	Prince William County	3,909.35	11,263.92	344.27	419.02	169.94	312.78
	<b>VA Total</b>	<b>20,515.98</b>	<b>53,598.46</b>	<b>1,599.75</b>	<b>2,029.60</b>	<b>961.44</b>	<b>1,621.78</b>
<b>Regional Total</b>	<b>47,471.05</b>	<b>126,952.99</b>	<b>3,958.89</b>	<b>5,015.24</b>	<b>2,358.96</b>	<b>3,608.92</b>	

Notes:

1. Emissions from Refueling Displacement Vapor Loss and Refueling Spillage Loss were EXCLUDED
2. PM2.5 and PM10 emissions include emissions from tirewear and brakewear processes
3. MOVES2010a Emissions Model with local inputs and Version 2.3 model

**Table 3 - Year 2007 Emissions (by State)**

State	Annual PM SIP Pollutants					
	VOC	NOX	PM2.5	PM10	NH3	SO2
DC	3,361.89	7,511.73	272.39	407.84	195.44	67.67
Suburban MD	18,449.15	47,279.13	1,756.91	2,266.95	928.74	319.18
Northern VA	15,703.37	36,847.77	1,422.32	1,884.80	777.24	220.18
<b>Regional Total</b>	<b>37,514.41</b>	<b>91,638.63</b>	<b>3,451.62</b>	<b>4,559.59</b>	<b>1,901.41</b>	<b>607.03</b>

Notes:

1. Emissions from Refueling Displacement Vapor Loss and Refueling Spillage Loss were EXCLUDED
2. PM2.5 and PM10 emissions include emissions from tirewear and brakewear processes
3. MOVES2010a Emissions Model with local inputs and Version 2.3 model

**Table 4 - Year 2007 Emissions (by Jurisdiction)**

State	Jurisdiction	Annual PM SIP Pollutants					
		VOC	NOX	PM2.5	PM10	NH3	SO2
DC	District of Columbia	3,361.89	7,511.73	272.39	407.84	195.44	67.67
Suburban MD	Charles County	1,322.59	2,993.74	112.96	144.76	47.97	18.05
	Frederick County	2,691.09	8,970.68	340.90	413.08	151.33	51.70
	Montgomery County	7,086.38	15,896.74	596.94	798.69	337.68	122.08
	Prince George's County	7,349.08	19,417.96	706.12	910.41	391.76	127.35
	<b>MD Total</b>	<b>18,449.15</b>	<b>47,279.13</b>	<b>1,756.91</b>	<b>2,266.95</b>	<b>928.74</b>	<b>319.18</b>
Northern VA	City of Alexandria	960.18	1,445.54	53.61	77.26	32.31	9.87
	Arlington County	1,329.44	2,683.65	97.92	139.56	77.54	18.28
	Fairfax County	8,029.44	19,203.65	733.16	976.43	429.30	116.93
	Loudoun County	2,086.76	5,412.87	228.70	299.48	91.86	31.05
	Prince William County	3,297.55	8,102.06	308.92	392.06	146.22	44.05
	<b>VA Total</b>	<b>15,703.37</b>	<b>36,847.77</b>	<b>1,422.32</b>	<b>1,884.80</b>	<b>777.24</b>	<b>220.18</b>
<b>Regional Total</b>	<b>37,514.41</b>	<b>91,638.63</b>	<b>3,451.62</b>	<b>4,559.59</b>	<b>1,901.41</b>	<b>607.03</b>	

Notes:

1. Emissions from Refueling Displacement Vapor Loss and Refueling Spillage Loss were EXCLUDED
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