

**2008 ANNUAL EMISSIONS for the PM<sub>10</sub> Nonattainment Area (tons/year)**

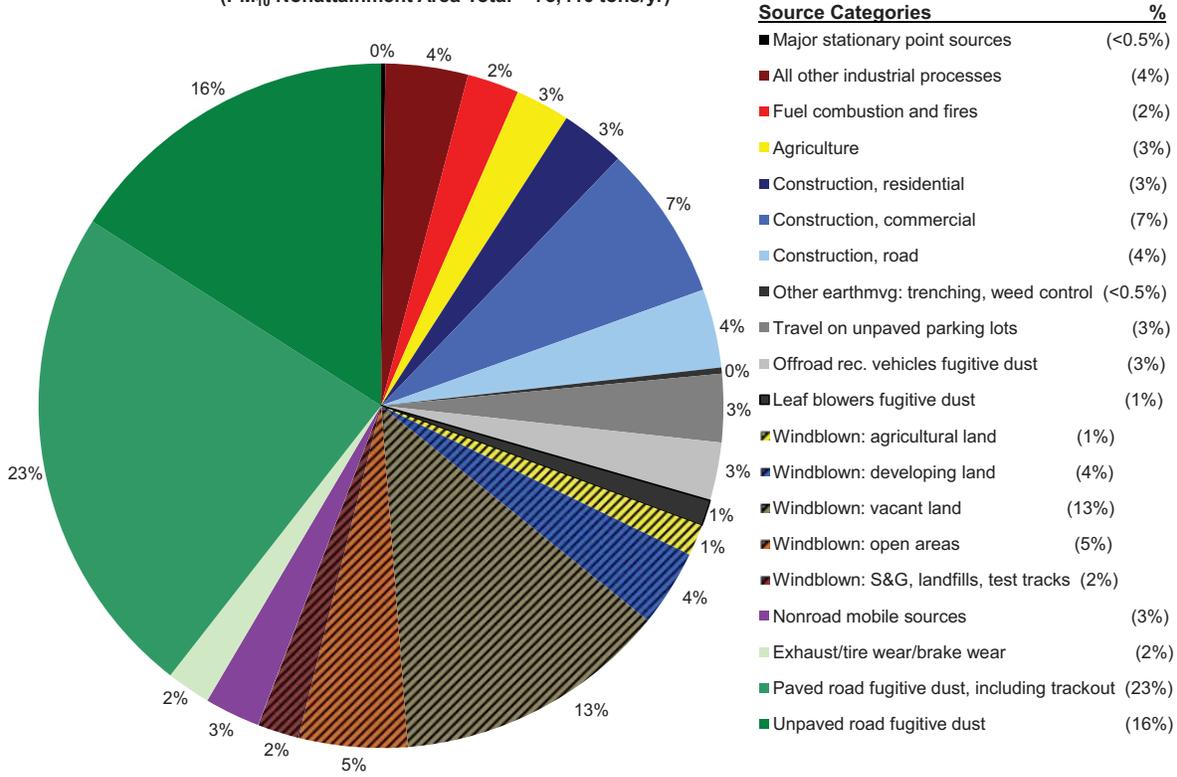
SOURCE CATEGORY	PM <sub>10</sub> Emissions		PM <sub>2.5</sub> Emissions		NO <sub>x</sub> Emissions		SO <sub>x</sub> Emissions		NH <sub>3</sub> Emissions	
	Tons/yr	% of total	Tons/yr	% of total	Tons/yr	% of total	Tons/yr	% of total	Tons/yr	% of total
<b>STATIONARY POINT SOURCES:</b>	<b>149.84</b>	<b>0.2%</b>	<b>132.94</b>	<b>1.1%</b>	<b>1,319.65</b>	<b>1.5%</b>	<b>28.76</b>	<b>1.6%</b>	<b>132.18</b>	<b>0.9%</b>
<b>AREA SOURCES:</b>										
<i>-Industrial Processes:</i>										
Chemical manufacturing	186.94		151.03				0.34		0.03	
Commercial cooking	993.04		920.94							
Grain handling/processing	16.73		5.68							
Ammonia cold storage									1,674.07	
Secondary metal production	60.56		52.16		49.73		18.65		0.04	
Non-metallic mineral processes	190.45		93.72							
Mining and quarrying	184.25		50.64							
Wood product manufacturing	216.69		202.72							
Rubber/plastic product mfg.	140.57		105.68							
Fabricated metal products mfg.	51.35		42.51						4.49	
Electrical equipment mfg.	13.94		9.64		20.45		0.18		31.55	
State-permitted portable sources	59.00		29.50		282.18		88.93			
Industrial paved/unpaved road travel	511.29		227.58							
Engine testing	0.18		0.17		6.74		2.49			
Crematories	0.93		0.62		12.36		1.58			
Accidental releases	0.01		0.01		0.06					
Landfills	60.25		50.78		19.47		6.22			
POTWs									1,494.12	
On-site incineration	0.06		0.04		5.01		0.01			
Other industrial waste disposal	32.78		16.93		18.39		50.62			
Other industrial processes	136.00		99.12		8.12		21.47		14.10	
<b>-Subtotal, Industrial Processes:</b>	<b>2,855.04</b>	<b>3.3%</b>	<b>2,059.47</b>	<b>16.7%</b>	<b>422.51</b>	<b>0.5%</b>	<b>190.50</b>	<b>10.6%</b>	<b>3,218.39</b>	<b>22.3%</b>
<i>-Fuel Combustion:</i>										
Industrial natural gas	30.70		30.70		573.79		2.41		12.66	
Industrial fuel oil	457.60		457.60		6,358.50		608.03		26.19	
Commercial/institutional natural gas	66.20		66.20		1,260.65		5.20		4.18	
Commercial/institutional fuel oil	223.00		223.00		3,256.70		269.88		8.09	
Residential natural gas	61.73		61.73		763.51		4.87			
Residential wood	461.41		429.11		34.67		5.33			
Residential fuel oil	0.01		0.01		0.25		0.10			
<b>-Subtotal, Fuel Combustion:</b>	<b>1,300.65</b>	<b>1.8%</b>	<b>1,268.35</b>	<b>10.3%</b>	<b>12,248.07</b>	<b>14.1%</b>	<b>895.83</b>	<b>49.7%</b>	<b>51.11</b>	<b>0.4%</b>
<i>-Fires:</i>										
Open burning	27.67		27.67		7.44					
Wildfires	423.56		363.27		93.46		25.62		19.60	
Prescribed fires	0.21		0.21		0.16		0.04		0.01	
Structure fires	15.10		15.10		1.96					
Vehicle fires	30.16		30.16		1.21					
<b>-Subtotal, Fires:</b>	<b>496.71</b>	<b>0.7%</b>	<b>436.41</b>	<b>3.5%</b>	<b>104.22</b>	<b>0.1%</b>	<b>25.67</b>	<b>1.4%</b>	<b>19.61</b>	<b>0.1%</b>
<i>-Agricultural Activities:</i>										
Tilling	834.20		125.13							
Harvesting	54.14		8.12							
Travel on unpaved farm roads	731.03		73.10							
Cotton ginning	4.86		1.39							
Fertilizer application									1,004.82	
Livestock	260.95		28.70						5,486.90	
<b>-Subtotal, Agricultural Activities:</b>	<b>1,885.19</b>	<b>2.6%</b>	<b>236.45</b>	<b>1.9%</b>					<b>6,491.72</b>	<b>45.1%</b>

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SOURCE CATEGORY	PM <sub>10</sub> Emissions		PM <sub>2.5</sub> Emissions		NO <sub>x</sub> Emissions		SO <sub>x</sub> Emissions		NH <sub>3</sub> Emissions	
	Tons/yr	% of total	Tons/yr	% of total	Tons/yr	% of total	Tons/yr	% of total	Tons/yr	% of total
<b>-Construction:</b>										
Residential (single- and multi-family)	2,245.39		224.54							
Commercial	5,380.95		538.10							
Road construction	2,724.87		272.49							
All other (trenching, site prep., etc.)	215.70		21.57							
<b>-Subtotal, Construction:</b>	<b>10,566.92</b>	<b>14.4%</b>	<b>1,056.69</b>	<b>8.6%</b>						
<b>-Miscellaneous Area Sources:</b>										
Travel on unpaved parking lots	2,365.07		237.45							
Offroad rec. vehicles fugitive dust	2,014.17		200.09							
Leaf blowers fugitive dust	894.98		337.78							
Humans									1,181.71	
Windblown dust (by land use type):	<b>18,468.36</b>	<b>25.2%</b>	<b>1,846.84</b>	<b>15.0%</b>						
--Agricultural	1,083.26		108.33							
--Commercial Construction	2,664.48									
--Residential Construction										
--Transportation Construction										
--Vacant	9,522.43		952.24							
--Open Areas	3,762.38		376.24							
--Sand&Gravel, Landfills, Auto Tracks	1,435.81		143.58							
<b>-Subtotal, Misc. Area Sources:</b>	<b>23,742.58</b>	<b>32.3%</b>	<b>2,622.15</b>	<b>21.2%</b>					<b>1,181.71</b>	<b>8.2%</b>
<b>TOTAL, ALL AREA SOURCES:</b>	<b>40,847.07</b>	<b>55.6%</b>	<b>7,679.53</b>	<b>62.2%</b>	<b>12,774.79</b>	<b>14.7%</b>	<b>1,112.00</b>	<b>61.6%</b>	<b>10,962.54</b>	<b>76.1%</b>
<b>NONROAD MOBILE SOURCES:</b>										
Agricultural equipment	15.13		14.67		161.35		0.06		0.30	
Airport grd. support eqpmt + APUs	26.99		26.48		578.95		26.22			
Commercial equipment	117.66		112.69		1,391.61		2.39		21.06	
Construction and mining equipment	1,249.88		1,210.00		14,666.42		6.55		27.85	
Industrial equipment	101.42		98.71		2,586.39		3.21		56.09	
Comm. & residential lawn/garden	183.02		169.48		801.41		3.17		19.71	
Logging equipment	0.00		0.00		0.00		0.00		0.00	
Pleasure craft	7.02		6.48		59.03		0.64		1.32	
Railway maintenance equipment	1.13		1.10		9.26		0.00		0.02	
Recreational equipment	7.68		7.08		10.76		0.07		0.35	
Aircraft	183.80		177.61		2,620.31		316.00			
Locomotives	34.16		31.88		907.76		9.11		2.16	
<b>TOTAL, NONROAD MOBILE:</b>	<b>1,927.89</b>	<b>2.6%</b>	<b>1,856.18</b>	<b>15.0%</b>	<b>23,793.26</b>	<b>27.3%</b>	<b>367.42</b>	<b>20.4%</b>	<b>128.87</b>	<b>0.9%</b>
<b>ONROAD MOBILE SOURCES:</b>										
Exhaust	1,529.54		954.23		49,142.10		295.90		3,180.66	
Tire wear										
Brake wear										
Paved road fugitive dust	17,245.10		547.90							
Unpaved road fugitive dust	11,710.70		1,169.00							
<b>TOTAL, ONROAD MOBILE:</b>	<b>30,485.34</b>	<b>41.5%</b>	<b>2,671.13</b>	<b>21.6%</b>	<b>49,142.10</b>	<b>56.5%</b>	<b>295.90</b>	<b>16.4%</b>	<b>3,180.66</b>	<b>22.1%</b>
<b>Biogenic Emissions</b>					332.77	0.4%				
<b>GRAND TOTAL, ALL CATEGORIES:</b>	<b>73,410.1</b>	<b>100%</b>	<b>12,339.8</b>	<b>100%</b>	<b>87,029.8</b>	<b>100%</b>	<b>1,804.1</b>	<b>100%</b>	<b>14,404.2</b>	<b>100%</b>

\* = source category is less than 0.05% of total.

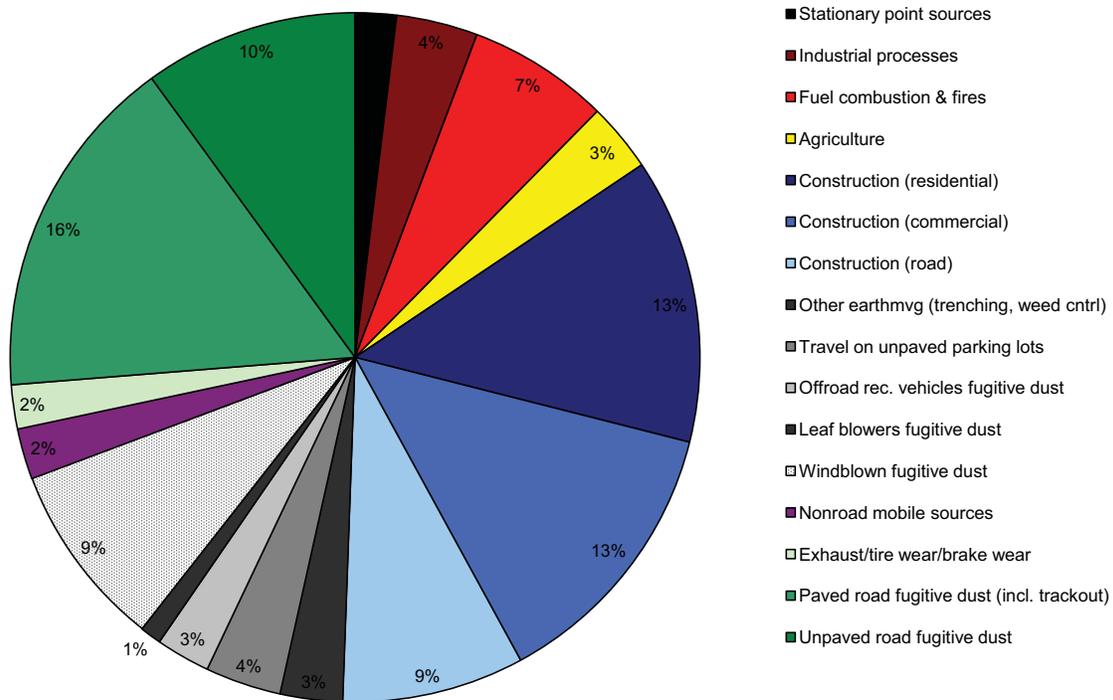
**2008 PM<sub>10</sub> Emissions Inventory**  
 (PM<sub>10</sub> Nonattainment Area Total = 73,410 tons/yr)



Emissions Inventory Unit, MCAQD

June 30, 2010

**2005 PM<sub>10</sub> Emissions Inventory**  
 (Revised May 2007 – PM<sub>10</sub> Nonattainment Area Total = 84,753 tons/yr)



Emissions Inventory Unit, MCAQD

April 26, 2007