2008 Annual PM_{10} Emissions in the PM_{10} Nonattainment Area

Comparison of original inventory (published June 2010) vs. March 2011 revisions (highlighted)

SOURCE CATEGORY	Original (June 2010) Tons/yr	Original (June 2010) % of total	Revised (March 2011) Tons/yr	Revised (March 2011) % of total	% change
STATIONARY POINT SOURCES:	**149.84**	**0.2%**	**149.84**	**0.3%**	**n/a**
AREA SOURCES:					
–Industrial Processes:					
Chemical manufacturing	186.94		186.94		
Commercial cooking	993.04		993.04		
Grain handling/processing	16.73		16.73		
Secondary metal production	60.56		60.56		
Non-metallic mineral processes	190.45		187.73		–1.4%
Mining and quarrying	184.25		156.60		–15.0%
Wood product manufacturing	216.69		216.69		
Rubber/plastic product mfg.	140.57		140.57		
Fabricated metal products mfg.	51.35		51.35		
Electrical equipment mfg.	13.94		13.94		
State-permitted portable sources	59.00		59.00		
Industrial paved/unpaved road travel	511.29		472.36		–7.6%
Engine testing	0.18		0.18		
Crematories	0.93		0.93		
Accidental releases	0.01		0.01		
Landfills	60.25		60.25		
On-site incineration	0.06		0.06		
Other industrial waste disposal	32.78		32.78		
Other industrial processes	136.00		136.00		
–Subtotal, Industrial Processes:	**2,855.04**	**3.9%**	**2,785.74**	**5.8%**	**–2.4%**
–Fuel Combustion:					
Industrial natural gas	30.70		30.70		
Industrial fuel oil	457.60		457.60		
Commercial/institutional natural gas	66.20		66.20		
Commercial/institutional fuel oil	223.00		223.00		
Residential natural gas	61.73		61.73		
Residential wood	461.41		461.41		
Residential fuel oil	0.01		0.01		
–Subtotal, Fuel Combustion:	**1,300.65**	**1.8%**	**1,300.65**	**2.7%**	**n/a**
–Fires:					
Open burning	27.67		27.67		
Wildfires	423.56		423.56		
Prescribed fires	0.21		0.21		
Structure fires	15.10		15.10		
Vehicle fires	30.16		30.16		
–Subtotal, Fires:	**496.71**	**0.7%**	**496.71**	**1.0%**	**n/a**
–Agricultural Activities:					
Tilling	834.20		834.20		
Harvesting	54.14		54.14		
Travel on unpaved farm roads	731.03		731.03		
Cotton ginning	4.86		4.86		
Livestock	260.95		260.95		
–Subtotal, Agricultural Activities:	**1,885.19**	**2.6%**	**1,885.19**	**3.9%**	**n/a**

2008 Annual PM_{10} Emissions in the PM_{10} Nonattainment Area (continued)

SOURCE CATEGORY	Original (June 2010) Tons/yr	Original (June 2010) % of total	Revised (March 2011) Tons/yr	Revised (March 2011) % of total	Revised (March 2011) % change
–Construction:					
Residential (single- and multi-family)	2,245.39		1,692.38		–24.6%
Commercial	5,380.95		4,057.29		–24.6%
Road construction	2,724.87		2,051.78		–24.7%
All other (trenching, site prep., etc.)	215.70		162.41		–24.7%
–Subtotal, Construction:	**10,566.91**	**14.4%**	**7,963.87**	**16.5%**	**–24.6%**
–Miscellaneous Area Sources:					
Travel on unpaved parking lots	2,365.07		2,365.07		
Offroad recreational vehicles fugitive dust	2,014.17		2,014.17		
Leaf blowers fugitive dust	894.98		894.98		
Windblown dust (by land use type):	**18,468.36**	**25.2%**	**4,814.80**	**10.0%**	**–73.9%**
–Agricultural	1,083.26		354.24		–67.3%
–Commercial Construction –Residential Construction –Transportation Construction	2,664.48		391.00		–85.3%
–Vacant	9,522.43		1,852.19		–80.5%
–Open Areas	3,762.38		2,036.54		–45.9%
–Sand & Gravel, Mining, Landfills, Test Tracks	1,435.81		180.84		–87.4%
–Subtotal, Miscellaneous Area Sources:	**23,742.58**	**32.3%**	**10,089.02**	**21.0%**	**–57.5%**
TOTAL, ALL AREA SOURCES:	**40,847.07**	**55.6%**	**24,521.17**	**50.9%**	**–40.0%**
NONROAD MOBILE SOURCES:					
Agricultural equipment	15.13		15.13		
Airport ground support equipment and APUs	26.99		26.99		
Commercial equipment	117.66		117.66		
Construction and mining equipment	1,249.88		1,249.88		
Industrial equipment	101.42		101.42		
Commercial & residential lawn/garden	183.02		183.02		
Logging equipment	0.00		0.00		
Pleasure craft	7.02		7.02		
Railway maintenance equipment	1.13		1.13		
Recreational equipment	7.68		7.68		
Aircraft	183.80		183.80		
Locomotives	34.16		34.16		
TOTAL, NONROAD MOBILE:	**1,927.89**	**2.6%**	**1,927.89**	**4.0%**	**n/a**
ONROAD MOBILE SOURCES:					
Exhaust / tire wear / brake wear	1,529.54		3,144.17		+105.6%
Paved road fugitive dust	17,245.10		6,694.22		–61.2%
Unpaved road fugitive dust	11,710.70		11,710.70		
TOTAL, ONROAD MOBILE:	**30,485.34**	**41.5%**	**21,549.09**	**44.8%**	**–29.3%**
GRAND TOTAL, ALL CATEGORIES:	**73,410.1**	**100%**	**48,148.0**	**100%**	**–34.4%**

Key to highlighting of individual source categories:

- Source category revised applying updated rule effectiveness (RE) calculations.
- Source category revised using improved windblown dust methodology.
- Source category revised using new MOVES2010a model (vs. MOBILE6.2 previously).
- Source category revised using new EPA AP-42 emission factor published January 2011.