



Proposed National Ambient Air Quality Particulate Matter Standards - EPA

Air Quality Advisory Council

May 2, 2006



Proposed Particulate Standards

- n January 17, 2006: PM NAAQS Revisions Proposed in 71 FR 2620
- n January 17, 2006: PM Monitoring Regulations Proposed in 71 FR 2710
- n July 10, 2006: Public Comment period ends
- n September 27, 2006: Final Rule signed
- n November 2006: Standards take effect

National Ambient Air Quality Standards

Standard		Current		
PM-10	Daily	150		
	Annual	50		
PM-2.5	Daily	65		
	Annual	15		

National Ambient Air Quality Standards

Standard		Current	Proposed	Missoula
PM-10	Daily	150	n/a	
	Annual	50	n/a	
PM-2.5	Daily	65	35	
	Annual	15	15	

National Ambient Air Quality Standards

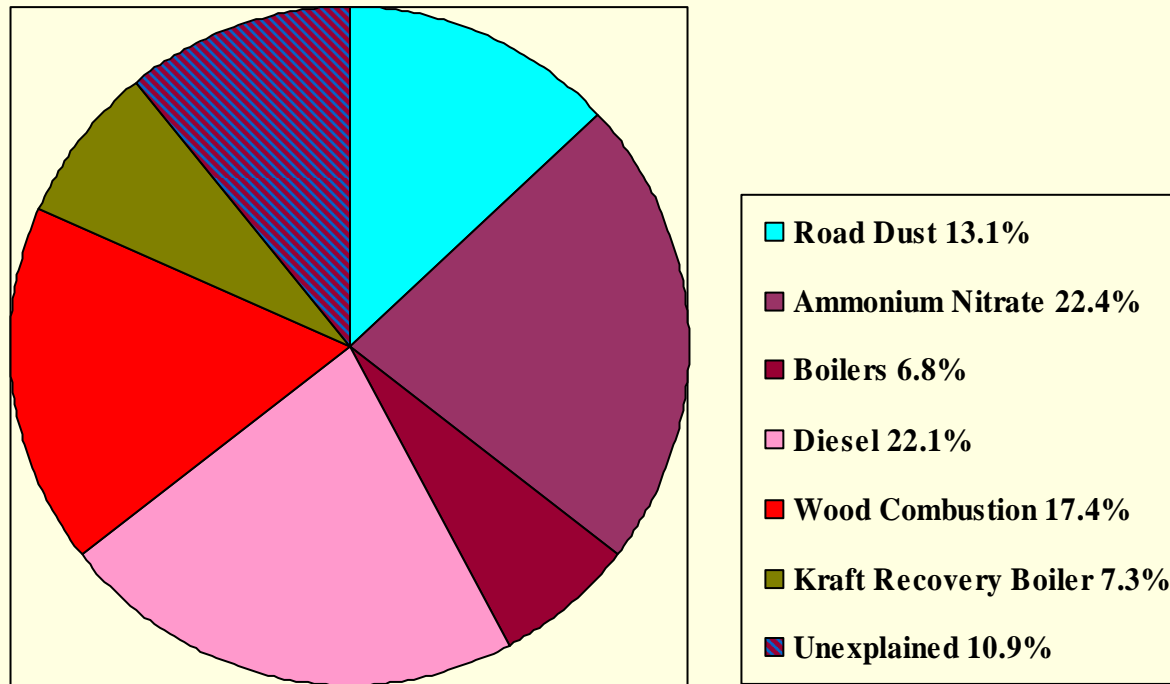
Standard		Current	Proposed	Missoula
PM-10	Daily	150	n/a	
	Annual	50	n/a	
PM-2.5	Daily	65	35	
	Annual	15	15	
PM-coarse (2.5-10)	Daily	n/a	70	
	Annual	n/a	n/a	

National Ambient Air Quality Standards

Standard		Current	Proposed	Missoula
PM-10	Daily	150	gone	~80-110
	Annual	50	gone	~18-22
PM-2.5	Daily	65	35	~46
	Annual	15	15	~11
PM-coarse (2.5-10)	Daily	n/a	70	?
	Annual	n/a	n/a	?

1995-1996 PM-2.5 Source Contributions

32.2 $\mu\text{g}/\text{m}^3$ Average



24-Hour PM_{2.5} Values $\geq 35 \text{ ug/m}^3$ in Missoula, 2001 through 2005

2001	ug/m ³	2003	ug/m ³	2004	ug/m ³	2005	ug/m ³
1/4/01	42.9	1/24/03	41.6	1/10/04	55.4	1/19/05	62.5
1/10/01	47.9	11/8/03	32.9	1/16/04	62.3	12/9/05	42.5
1/13/01	43.7			1/19/04	46.8	12/12/05	54.0
1/19/01	45.4			12/17/04	36.6		



MCCHD Comments on Proposed PM Standards

- n Lower Daily PM_{2.5} Standard to 32 $\mu\text{g}/\text{m}^3$
- n Lower Annual PM_{2.5} Standard to 13-14 $\mu\text{g}/\text{m}^3$
- n Do not categorically exclude mining and agriculture activities from PM Coarse Standard & Pollution Controls
 - n Crustal sources can be harmful
 - n Unworkable: Apportionment Difficult
- n Keep PM₁₀ Standard until **National** PM Coarse Standard is promulgated and non-attainment areas are designated



MCCHD Comments on Proposed Monitoring Changes

- n Do not exclude rural areas from $PM_{10-2.5}$ monitoring (Missoula is rural)
 - n Urban defined by population density and total population
 - n Missoula has major highways and industry, just like an “urban” area
 - n Health studies indicate that health in urban and rural populations is affected by PM in air
 - n Proposal places PM coarse monitors where minimal problems exist and excludes areas with high PM coarse concentrations



MCCHD Comments on Proposed Monitoring Changes

- n Expand, do not cut funding for PM_{2.5} monitoring
 - n Could impair the attainment and maintenance of the PM_{2.5} standards
 - n More speciation monitoring would help pinpoint the sources of PM_{2.5}
 - n Monitoring in some locations is important to protect public health

Questions? Comments?

Ben Schmidt
Air Quality Specialist