

Missoula Air Quality

Missoula City-County Health Department

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Clean Diesel, Clean Air

National Ambient Air Quality Standards

Standard		Current $\mu\text{g}/\text{m}^3$	Proposed $\mu\text{g}/\text{m}^3$	
PM ₁₀	Daily	150	---	
	Annual	50	---	
PM _{2.5} ("fine")	Daily	65	35	
	Annual	15	15	
PM _{10-2.5} ("coarse")	Daily	---	70	
	Annual	---	---	

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Missoula's Daily PM_{2.5} Values at 35 $\mu\text{g}/\text{m}^3$ or Higher

2001		2002		2003		2004		2005	
Date	$\mu\text{g}/\text{m}^3$	Date	$\mu\text{g}/\text{m}^3$	Date	$\mu\text{g}/\text{m}^3$	Date	$\mu\text{g}/\text{m}^3$	Date	$\mu\text{g}/\text{m}^3$
1/10	48			1/24	42	1/16	62	1/19	63
1/19	46					1/10	55	12/12	54
1/13	44					1/19	47	12/9	43
1/4	43					12/17	37		
1/1	35								

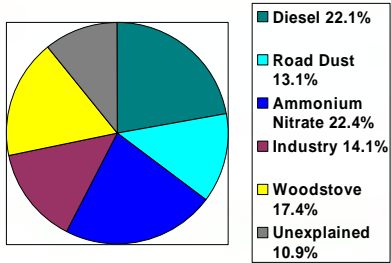
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Standard		Current $\mu\text{g}/\text{m}^3$	Proposed $\mu\text{g}/\text{m}^3$	Missoula's Recent Data $\mu\text{g}/\text{m}^3$
PM ₁₀	Daily	150	---	-80-110
	Annual	50	---	~18-22
PM _{2.5} ("fine")	Daily	65	35	-46
	Annual	15	15	~11
PM _{10-2.5} ("coarse")	Daily	---	70	?
	Annual	---	---	?

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Missoula Average Winter/Spring PM_{2.5} Source Apportionment



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Summary: Why Clean Diesel Technology Is Important

- ▶ Improves air quality for people using diesel vehicles.
- ▶ Diesel emissions are part of the air pollution mix.
- ▶ Missoula may exceed the proposed National Ambient Air Quality Standard for fine particulates.
- ▶ Taking steps now to reduce emissions improves the possibility that Missoula will meet the proposed fine particulate standard.

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