

Road Dust Control

Road dusts consist of particulate matter from vehicle exhausts and tire, pavement, and brake wear. As traffic moves along roads, it stirs up dust from the pavement and re-suspends it in the air creating road dust. Road dust is a significant contributor to the level of particulate matter in our air and a cause for poor air quality.



Particulate matter is fine liquid and solid particles and includes such things as fumes, aerosols, ash, pollen, and dust. It is categorized by its size:

- PM₁₀ includes all particulate matter of 10 microns or less in size. It includes the coarser fraction which settles out of the air and when inhaled it is removed by the upper respiratory system.
- PM_{2.5} is fine particulate matter, roughly the size of bacteria. It is easily inhaled deep into the lungs. Because of its fine size, PM_{2.5} has a tendency to remain in the air for extended periods of time.

To minimize road dust:

- Slow down
- Cover your truck loads
- Limit load size to avoid spillage of material
- Minimize the distance traveled
- Minimize the mud and dust track out from unpaved areas
- Maintain road surfaces
- Maintain your vehicle

To control road dust:

- Clean paved roads
- Apply dust suppressants when necessary

Strive **FOR** Wise

DID YOU KNOW?

- A micron is one thousandth of a millimeter. To put this in perspective, a human hair is about 100 microns in diameter.
- Particulate matter comes from both natural and man-made sources.
 - Natural sources include things like volcanos erupting, sea spray, wind, or forest fire
 - Man-made sources include campfires, industry and vehicle emissions
- Particulate matter is a contaminant under the Environmental Protection Act

Road Dust Control

Company _____ Date _____ Delivered by _____

Other topics discussed _____

Name	Signature	Name	Signature
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
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_____	_____	_____	_____
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QUESTIONS/DISCUSSIONS

RECORD RESPONSES SPECIFIC TO YOUR SITE

1. What sources of particulate matter do you generate at home? _____

2. How is your facility designed to reduce distances traveled? _____

3. What changes could you make to reduce distances traveled? _____

4. What steps can you/have you taken to minimize track out from your facility? _____



February 2 was National Sweater Day

National Sweater Day was created by the World Wildlife Fund (WWF) in 2010 and is an opportunity to commit, create and participate by turning our thermostats down by 2 degrees to take action against climate change and work towards a sustainable future.

Thanks to everyone who participated!
Check out all of the photos in the EARTH 1st Blog photo library:
<http://walkerhome/earth1st/earth1stblog/Lists/Photos/Forms/AllItems.aspx>



We are the environment!
commit ■ create ■ participate