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## Controlling Dust Emissions

Construction, site preparation, land clearing, excavating, demolition, grading, hauling, concrete cutting, road work, railroad ballast leveling, landscaping, masonry work, grain processing, grinding, rock crushing, baseball fields, off-road recreation, equestrian training and parking lots . . .

**If you work in any of these, or related fields, you need to know what the rules are regarding the control of dust pollution in Spokane County.**

## Why the concern over dust?

Dust, a major component of particulate pollution, is an air quality concern in Spokane, especially when it's dry. If not controlled, dust can be a health hazard and a public nuisance. When inhaled, fine dust particles travel deep into the lungs, increasing breathing problems, damaging lung tissue, and aggravating existing health problems. This is why the Spokane Regional Clean Air Agency (Spokane Clean Air) requires the use of control techniques to prevent and minimize the release of dust emissions.

## Where does all the dust come from?

In the Spokane area, most dust emissions come from paved and unpaved road surfaces, commercial operations, construction and demolition activities, parking lots, storage piles, handling and transfer of materials, leaf blowing and other area sources.

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## What are the rules for controlling dust emissions?

Specifically, Spokane Clean Air regulations state:

- particulate matter emissions must be minimized
- depositing particulate matter onto the property of others is prohibited
- take reasonable measures to prevent particulate matter from becoming airborne
- precautions must be taken to remove dirt and mud from equipment and vehicles before movement onto paved public roads
- dirt and mud tracked onto paved public roadways must be promptly removed
- dust emissions must not create a nuisance



*Using water or a chemical dust suppressant is one way to minimize dust emissions.*

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## How can I control dust?

Depending on the situation, one or more of the following strategies is recommended to minimize dust emissions:

- use water or chemical dust suppressants
- minimize activities during periods of high winds
- use covered chutes, covered containers, or collection and control equipment when handling, transferring, and/or storing dusty material
- minimize free fall distances for dusty materials
- vegetate or mulch dusty areas
- maintain adequate freeboard and cover loads when transporting dusty materials
- keep paved surfaces clean to minimize re-entrainment of dust into the air
- restrict access or limit vehicle speeds on unpaved areas to 15 miles per hour
- limit the amount graded at any one time

Tracking dirt onto paved roadways can also generate dust emissions. The following strategies are recommended to minimize tracking:

- pave or gravel unpaved traveled surfaces
- pave or install gravel buffer areas at exits
- clean vehicle tires and undercarriages before traveling on paved roads (wash stations)
- promptly clean up material that has been tracked onto paved roadways (wet flush/spray off, street sweep/vacuum)

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## Compliance and Enforcement

Spokane Clean Air inspectors respond to many citizen complaints about excessive dust emissions. Inspectors also conduct surveillance throughout the county, and will perform on-the-spot inspections if dust problems are observed. Documented violations may result in formal enforcement action, including civil penalties.

**It is your responsibility to be aware of all dust control regulations before you begin activities that may generate dust. Not knowing about or understanding dust control requirements is not a defense.**

The best way to avoid costly violations is to implement adequate control measures and regularly monitor your operations:

- make sure employees and contractors understand the requirements for dust control
- evaluate the dust control procedures to identify additional issues that develop as the project progresses

For additional information on dust control or for a copy of the *Controlling Dust in Spokane County Guidebook*, contact Spokane Clean Air, (509) 477-4727 or visit [www.spokaneleanair.org](http://www.spokaneleanair.org).



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# Dust Control in Spokane County. . .

## What Your Business Needs To Know



*Uncontrolled dust emissions come from a variety of commercial activities. Inhaling fine dust particles can be a health hazard as well as a public nuisance. Uncontrolled dust emissions can result in enforcement action and fines.*

*working with you for clean air*

SPokane County Air  
**PROGRAM**