



BURLEIGH COUNTY HIGHWAY DEPARTMENT

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Dust Control Policy

Approved by the Burleigh County Commission
(February 3, 2014)

OVERVIEW

As the area around the City of Bismarck grows, residents on the township and county roadway system have experienced increases in traffic. It has long been the desire of the Burleigh County Board of Commissioners and the Highway Department to promote the paving of new subdivisions that are developed; however, in older subdivisions and on section line roadways in the growth area, that have not been paved, we are receiving more calls requesting some type of dust control.

The loss of fines (dust) from our gravel roads is not only a nuisance to residents, but it can also be a health hazard to individuals with emphysema or asthma. It also decreases the effectiveness of our gravel by creating greater segregation within our roadway surfacing. This requires us to gravel more often. Chemical treatment of gravel roads with either Calcium Chloride or Magnesium Chloride has been proven to reduce the loss of fines from gravel roadways. In general, Magnesium Chloride has been found most effective in our climate. Other types of chemical treatments have been tested but none have been found as effective as Magnesium Chloride.

It is the Highway Department's desire to implement a Dust Control Policy to help direct the use of chemical treatment of both township and county roadways. The following guidelines would be used in administering the application of dust control chemicals:

OPERATING PROCEDURES

On county roads:

Dust control will be applied to gravel roadways meeting the following criteria:

- 1) Roadways with Average Daily Traffic (ADT) counts of 200 or greater will receive solid application.

- 2) Roadways with ADT counts between 50 and 200 will receive application in front of homes and buildings.
- 3) Roadways with ADT counts less than 50 will receive application in front of homes if the resident of the home has health (breathing) issues, and provides us documentation of such.
- 4) Application in front of homes will only be done if the home is within 1,000 feet of the roadway. The application distance in front of homes will be for a maximum of 1,500 feet.

On township roads:

- 1) The township must request dust control application, and
- 2) The township agrees to pay all costs associated with application, and
- 3) The township agrees with the same application criteria as laid out for county roads.
- 4) The County Commissioner holding the Highway Department portfolio will approve/deny all requests for dust control application on unorganized township roadways.

The County Highway Department will determine the application rates and the type of dust control chemical used on an annual basis.

INFORMATION

Questions or concerns regarding Burleigh County Dust Control Policy may be directed to the Burleigh County Highway Department in Bismarck at (701) 204 - 7748.