

# POLICY MANUAL

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|   | <b>Dust Control (Suppression)<br/>For Residential Sites</b> | <b>March 24,<br/>2021</b> | <b>C21-102</b> |

## PURPOSE:

To allow Starland County to provide a dust control (suppression) policy and authorize dust suppression products to be used in front of residential and farm sites, cemeteries, industrial/commercial sites and for roadway remediation when required.

## BACKGROUND:

Starland County prohibits the dumping of oil on any County roadway without County approval. However, Starland County recognizes that dust from gravel roads may create health, safety or general nuisance concerns and therefore offers a dust control program to decrease the impact of dust from the gravel roads.

## POLICY GUIDELINES:

1. Starland County will supply dust suppression for a minimum distance of 200 meters (656 feet) in front of a residence, industrial or commercial site on a municipal road allowance upon request.
2. The applicant will be responsible for the cost of the dust abatement products and the application equipment. Application rates and material costs will be determined annually on a full cost recovery basis. In addition, application of the product is only available upon receiving sufficient orders to warrant ordering a truck load of product and is also subject to availability of the product. The County will provide a quote for this application dependent upon the length and width of roadway to receive abatement as well as the type of dust suppressant chosen.
3. The County will advertise the procedures for dust control, requiring all interested customers to submit an application for dust control before the deadline noted. Payment in full is to be submitted with the application. If payment is not made with the submission the applicant will be denied and will not receive dust suppression.
4. Applications received after the deadline may still be accepted, but application cannot be guaranteed unless there are sufficient orders to warrant ordering a truck load of product.
5. This policy applies to one application per year only. Starland County does not guarantee the effectiveness of the dust suppression agent. Once a dust suppressant has been applied, no refunds will be made.



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6. The following dust control products have been approved by the County for 2023 and will be applied at the rates recommended by the product supplier. Alternative dust suppressants will need to be approved by the CAO or designate.

**(a) MG30:** MG30 is applied at an application rate of approximately 3 liters/m<sup>2</sup>

MG30 Dust Suppressant is a calcium chloride, magnesium hydroxide solution. The solution has the benefits of dust abatement and aggregate loss reduction. It is typically the more affordable product approved at approximately 1/4 of the cost of DL10.

**2023 Rates for MG30:**

**\$1.03/m<sup>2</sup>**

This includes the price of the product, equipment and personnel needed to complete the application.

An example of the calculation for this product is as follows:

9m wide road surface x 200m long = \$1,800 m<sup>2</sup>

1800 m<sup>2</sup> x \$1.03/m<sup>2</sup> = \$1,854.00 + GST

**(b) DL10:** DL10 is applied at an application rate of approximately 4 liter/m<sup>2</sup> and there is an additional cost for application.

DL10 is a softer asphalt emulsion that was designed specifically to be applied as a surface spray. It is the more expensive of the two options, but should offer longer lasting results depending on traffic.

**2023 Rates for DL10:**

**\$3.96/m<sup>2</sup>**

This includes the price of the product, application, equipment and personnel needed to complete the application.

An example of the calculation for this product is as follows:

9m wide road surface x 200m long = \$1,800 m<sup>2</sup>

1800 m<sup>2</sup> x \$3.96/m<sup>2</sup> = \$7,128 + GST



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7. No person shall be allowed to apply any dust suppression (control) product on any municipal roadway. The County may permit the use of water as a temporary means of dust suppression on areas of intensive use, subject to the applicator signing a Save Harmless Agreement with Starland County.
8. The annual road program of Council may include locations where the Councillor for a division includes, as part of his road program, some form of dust control or a road treatment that provides dust control to a ratepayer's residence. Whether or not the resident has requested dust control, if the control provided is a result of the Annual Road Program, the resident will not be charged in accordance with Section 2 of this policy.

**MAINTENANCE:**

9. The County reserves the right to grade any stretch of road which may have a dust control product applied to it, at any time during its normal grading operations, if the motor grader operator deems it necessary and first obtains the authorization to do so from the Public Works Supervisor. During the first year of application, if it is determined that this area needs grading or maintenance of any type, the Public Works Supervisor will contact the customer prior to this work being done.
10. If a dust control site is destroyed or adversely affected by road construction or major road work, the County will replace the dust control site at no cost to the landowner.

**POLICY APPROVAL:** March 24, 2021 (Motion C21-102)

**POLICY REVIEW:** Annually

**POLICY AMENDMENTS:** April 19, 2023 (Motion C23-105) – DL10 replaced CleanTRACK