

## DUST CONTROL PROGRAM INFORMATION SHEET

Becker County Highway Department will again offer the Dust Control Program for our gravel-surfaced roads. The dust suppressant used is one application of liquid magnesium chloride. As a result of previous applications, we have concluded we can save some blading and graveling costs for those areas where a magnesium chloride application has been made. In addition, the adjacent residents have also had dust reductions for the season.

Magnesium chloride is hygroscopic, meaning that it attracts moisture from the atmosphere and its surroundings. This tendency helps to keep gravel surfaces damp and the dust down. As a result, when applied to the road the surface becomes compact. Over time, the chemical penetrates the surface adding a stabilizing effect, which holds the aggregate together in the gravel surface.

Becker County **CANNOT** guarantee that the suppressant will last the entire season, variables such as weather and traffic volumes affect the chemical's performance. During dry periods watering the treated area will re-activate the dust suppressant. Heavy rains may wash the suppressant from the road surface. It is recommended that "Dust Control" signs be placed at the beginning and end of the section to notify the blade operators of the application. Repeated applications year after year increase the chemical's performance tremendously in most cases. Blading can be done to the application area, but care must be taken not to bring any non-treated material into the treated area.

Due to budget constraints the County will **no longer** be cost-sharing with the landowner on County roads. The entire cost is the responsibility of the landowner for both Township and County roads. If you live on a township road and you are interested in participating, please contact your town board so they are aware of the application and plan their maintenance and improvements accordingly. **There is a minimum application length of 500 feet for either road type.**

The attached Cost Estimate Sheet for 2009 will give you an estimated price for the length you would like to apply. It is the property owner's responsibility to mark the area to be treated. **All County Roads are estimated for an application width of 20 feet, not the total road width. Township roads are estimated for the application width chosen, not the total road width.**

If you are interested please complete the attached form and provide a sketch on the back if you would like. The application and a deposit equal to 50% of the property owner's share is due in the Becker County Highway Office, 200 State Street East, Detroit Lakes, MN 56501 no later than **May 15, 2009.**

The final billing for that balance will be issued based on the actual gallons applied. This will be due and payable upon receipt of the statement. The application of the magnesium chloride will be some time after June 12, 2009

**County Roads Only**

**DUST CONTROL PROGRAM  
RESIDENTIAL SIGN-UP**

Name: \_\_\_\_\_

E911 Address: \_\_\_\_\_

Phone No.: \_\_\_\_\_

Location: \_\_\_\_\_ miles (N, S, E, W) of C.S.A.H./Co. Rd./T.H.: \_\_\_\_\_

on C.S.A.H./Co. Rd. \_\_\_\_\_ Length Requested \_\_\_\_\_ ft. (minimum 500 ft.)

I/we understand that upon sign-up, I/we must make a 50% deposit of my/our cost or the request will not be considered. I/we understand that the dust suppressant will be applied after June 12, 2009. I/we understand that Becker County does not guarantee this application will last the entire season and that after application rains will have an effect on the longevity of the dust control. I/we understand that upon application of the dust suppressant, the remainder of my/our share will be due upon receipt of invoice from Becker County. Resident shall mark the approximate start point for the application.

**DUE IN THE HIGHWAY OFFICE NO LATER THAN May 15, 2009**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

\*\*\*\*\*Office Use Only\*\*\*\*\*

Total Estimated Cost \_\_\_\_\_  
50% Down Payment Due \_\_\_\_\_  
Balance Remaining \_\_\_\_\_

Min. 50% Deposit Received \$ \_\_\_\_\_  cash  check  money order

Date: \_\_\_\_\_

Check # \_\_\_\_\_

**Township Roads Only**

**DUST CONTROL PROGRAM  
RESIDENTIAL SIGN-UP**

Name: \_\_\_\_\_

E-911 Address: \_\_\_\_\_

Daytime Phone Number: \_\_\_\_\_

Location: \_\_\_\_\_ miles (N, S, E, W) of C.S.A.H./Co. Rd./T.H. #: \_\_\_\_\_

on Twp. Rd. \_\_\_\_\_ Length Requested \_\_\_\_\_ ft. (minimum 500 ft.)

Estimated Road Width (choose one)  20 feet  12 feet

I/we understand that upon sign-up, I/we must make a 50% deposit of my/our cost or the request will not be considered. I/we understand that the dust suppressant will be applied after June 12, 2009. I/we understand that Becker County does not guarantee this application will last the entire season and that after application rains will have an effect on the longevity of the dust control. I/we understand that upon application of the dust suppressant, the remainder of my/our share will be due upon receipt of invoice from Becker County. Resident shall mark the approximate start point for the application.

**DUE IN THE HIGHWAY OFFICE NO LATER THAN May 15, 2009**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

\*\*\*\*\*Office Use Only\*\*\*\*\*

Total Estimated Cost \_\_\_\_\_  
50% Down Payment Due \_\_\_\_\_  
Balance Remaining \_\_\_\_\_

Min. 50% Deposit Received \$ \_\_\_\_\_  cash  check  money order

Date: \_\_\_\_\_

Check # \_\_\_\_\_

**COUNTY HIGHWAY DUST CONTROL PROGRAM  
COST ESTIMATE SHEET**

**Dustcoating, Inc** was the low bidder in 2009 for the application of **magnesium** chloride for dust control. The bid price was \$ .795 per gallon, after the addition of the wetting agent and labor & equipment the cost per gallon is: **\$0.815** Solution is an approximate mix of **30% magnesium** chloride.

**REGARDLESS OF REQUESTED COVERAGE ENTIRE COST IS INDIVIDUAL OR TOWNSHIP  
COUNTY ROADS ARE CONSIDERED TO BE 20 FOOT WIDTH**

Distance In Feet	Cost to Individual 20' Width	Down Payment	Cost to Individual 12' Width	Down Payment
500	326.00	163.00	195.60	97.00
750	489.00	245.00	293.40	146.00
1000	652.00	326.00	391.20	195.00
1320	860.64	430.00	516.38	258.00
2640	1,721.28	860.00	1,032.77	516.00
3960	2,581.92	1,291.00	1,549.15	775.00
5280	3,442.56	1,721.00	2,065.54	1,033.00

\*\* Upon placing a request 50% of the individual's total payment is due. **No down payment for Townships will be required they will be billed on their statement.**

\*\* Estimated amounts are calculated based on gallons per sq yd, final billings will be based on actual usage in gallons.

$(L \times W / 9 \times .36) =$  estimated gallons: estimated gallons x cost per gallon = Total Cost Estimate