



# POLK COUNTY

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PUBLIC WORKS

## 2015 APPLICATION FOR DUST CONTROL

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

Applicant Name

Address

City

State

Zip

Home Phone

Work Phone

Road where dust control material will be placed: **REQUIRED**

Applicator (Company placing dust control product)

Dust Control Agent (chemical)

**REQUIRED:**

Length

Width

From

To

Remarks:

***NOTE: Dust control material must be applied the full width of the gravel road.***

Applicant hereby certifies that the information submitted above is correct & further understands that submission of fraudulent information will render this permit void. They also certify that they have read and understand the facts concerning the use of Lignon Sulfonate ("Lignon") or Earthbind 100 addressed on the back of this permit. Applicant will place wired flags at shoulder, at the beginning and end of section to be sprayed and keep them in place until October. **Grading of Polk County roads will occur whenever deemed necessary to maintain the roads to County standards. Applicant acknowledges that Polk County reserves the right to grade the road at any time and that Polk County is not responsible for loss of material due to said grading.**

Applicant Signature

Date

County Approval

Date

# DUST ABATEMENT

## COMMONLY ASKED QUESTIONS

### **Q. How much does it cost?**

- A. The cost will vary on product used and length of road to be covered. It is recommended that the resident receive a quote. Residents should select an approved product and contractor. Contractor will supply applicant with flags for marking beginning and ending locations of the area to be treated. The resident will pay their contractor directly for the service. There is no fee to obtain a permit from the county.

### **Q. What information will be needed for Polk County?**

- A. The permit should specify the address, lineal feet and width of the area to be treated. Several property owners can combine their lengths to treat a longer section of road.

### **Q. What are the products, approved for use by residents, to reduce dust problems along county roads?**

- A. Lignon Sulfonate ("Lignon") and Earthbind 100 are approved dust retardants in Polk County.

### **Q. How should it be applied?**

- A. The applicator should follow manufacturer's specifications for solution mix and application method.

### **Q. How long does treatment last?**

- A. Effectiveness of the application will be dependent on road condition, rains, traffic volume and other variables. The dust control should last throughout the summer season. Please be aware that dependent on rainfall, road condition, and other factors, Polk County may grade the road. The County will make every attempt to avoid areas where dust control has been applied. However, the County reserves the right to grade any road at any time to preserve the integrity of the roads. Grading will end the effectiveness of the application.

### **Q. How effective is Lignon or Earthbind 100 to control dust?**

- A. Effectiveness of both products in controlling dust varies. In general, the products are very effective when first applied and gradually loses some effectiveness with the passage of time, depending on the amount and type of traffic using the road and the amount of summer rainfall that occurs.

### **Q. Are there any bad effects from the use of Lignon as a dust retardant?**

- A. As mentioned, the product will lose effectiveness as a result of very heavy rainfall. Other undesirable characteristics are:
1. After application, there may be puddles of the Lignon still in evidence for up to 12 hours. Later, rainfall may also cause the product to splash. If splashing occurs, the product can be washed off with soap and water. **LIGNON DOES NOT ACCELERATE RUSTING.**
  2. Under heavy traffic the treated road surface may begin to develop potholes. Should the road surface become excessively rough Polk County may repair or grade the road.

### **Q. What is the recommended time period for application of products?**

- A. It is recommended that Lignon or Earthbind 100 be applied after the rains have subsided. Typically Polk County grades the roads from September to mid-June. Application of products prior to mid-June would increase the likelihood of a road being graded thereby deteriorating the effectiveness of the application.

### **Q. What is the recommended road condition prior to dust retardant application?**

- A. When product is applied to the road it essentially "freezes" the road in to the condition it was in at the time of the application. Therefore, it is recommended that your road be in optimal condition prior to the application of the material. Optimal road condition would be a road that had minimal wash-boarding, minimal potholes and minimal loose gravel. Polk County does not have staff or resources to prepare roads prior to application of dust retardant.

### **Q. Where can I find more information concerning the use of Lignon or Earthbind 100 as dust retardants?**

- A. The Material Safety Data Sheets (MSDS) are stored at the Public Works Office.

The Bureau of Land Management, the US Forest Service and Oregon Department of Transportation have experience with the use of these products. Both are environmentally safe products.