



How Dusty Is Your Community?

New federal health standards on particulate matter air pollution provide an opportunity to work on rural Alaska concerns about dust pollution. The Alaska Department of Environmental Conservation (ADEC) Air Quality Division needs to know how prevalent the dust problem is in rural Alaska. Limited air monitoring indicates dust can be a large problem in some rural Alaska communities. ADEC cannot monitor air quality in all communities. This informal survey will help ADEC determine the extent of Alaska's dust problem.

Community Name: _____ **Phone:** _____

Person Completing Survey? _____

(Current) Community Population: (approximate) _____

Miles of roadway now being maintained by community? _____

Who is responsible for road maintenance? _____ (Community, City, Village)
(is this the only community entity doing road maintenance in your area? Circle Yes or No.
If no, please provide additional entities? _____

Are any of your roads **paved**? (Yes or No) _____ (Approximate Miles? _____)

What is the typical road surface in your community? (Crushed gravel, Dirt, Sand, etc)

_____ (Please provide, if possible, photos of your typical roads during dry and dusty conditions)

What grades do your roads average? (Level, Shallow rise/fall, Steep) _____

What are the typical vehicles on roads in your community? (Express in Percent)

ATVs _____% Cars _____% Pickup trucks _____% Larger trucks _____% Bulldozers _____%

Is any "official" weather data available for your community? Yes or No (Provide if Possible)

Approximately how many dusty days occur during:

Winter _____ May _____ June _____ July _____ August _____ September _____ October _____
(Nov.-April)

Are there people in your community highly affected by dust releases-How many? _____

People with: (Check all that apply)

Asthma _____ Chronic Bronchitis _____ Emphysema _____ Coughing _____
Irritation of the eyes, nose, and throat _____ Tightness of the chest _____ Shortness of breath _____

Does your community already do dust control work? _____

-If yes, what funding is used to pay for costs of your dust control? _____

-If yes, do you use water, or chemicals? What kind? (Water, Calcium Chloride, EK-35, Durasoil, other?)_____

-Is the community willing to try chemical dust palliatives?_____

-What will you want to know or read before trying chemicals?_____

Is water readily available "in town"; either for direct dust control, or for mixing in with purchased dust palliative products?_____

Does the community have heavy equipment (grader) to grade and shape roads?_____

-Do you have equipment available which can lift 1-ton "totes"?_____

-Do you have a truck; 1 ton or larger, which can pull trailer & tote?_____

-Do you have water truck available; and/or a large, mobile compactor?_____

-Do you have ATV available; capable of pulling trailer w/a water tank?_____

-Do you know what equipment would be required in your community?

(Circle items below)

Dust Palliative Sprayer

Trailer for palliative totes

Totes (for water)

Water Truck

Compactor (for road surface)

Other:_____

-Do you know the names/types of any dust control you'd like to try?

-Do you have a place to store dust control equipment; or products?_____

-Warm? or cold storage? Dry or just covered?_____

-Are you willing to try controlling dust, in some locations, by applying and enforcing **speed limits**, for minimizing dust releases at specific, high-speed or high traffic areas in your community? _____

-Please describe, briefly, any past dust monitoring work done at your community. By who, when, and what were the results?_____

Can you think of other important questions, issues, worries, or items that should be said that affect the possibility of dust control in your community?_____

Note: Do you prefer that your community's response, the dust survey you're providing us, remain somewhat "confidential", namely the information provided is not broadly published or passed on unless it is compiled with the entire array of questionnaires, and therefore individual answers won't be directly attributable to you? Yes_____ No_____

Please indicate if your community would like to receive information on rural dust issues?

Circle Yes or No.

Return Survey to:
Cindy Williams
ADEC-Air Quality

Address:
610 University Ave.
Fairbanks, AK 99709

Contact:
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