

R307. Environmental Quality, Air Quality.

R307-309. Davis, Salt Lake and Utah Counties, Ogden City and Any Nonattainment Area for PM10: Fugitive Emissions and Fugitive Dust.

R307-309-1. Applicability and Definitions.

(1) Applicability. R307-309 applies to all sources of fugitive dust and fugitive emissions located in Davis, Salt Lake and Utah Counties, Ogden City, and any nonattainment area for PM10, except as specified in (2) below. Any source located in those areas for which limitations for fugitive dust or fugitive emissions are assigned pursuant to R307-401 is subject to R307-309 on May 4, 1999, unless the source has an operating permit issued under R307-415 prior to that date. If the source has an operating permit, the source is subject to R307-309 on the date of permit renewal or permit reopening as specified in R307-415, whichever occurs first.

(2) Exemptions.

(a) The provisions of R307-309 do not apply to agricultural or horticultural activities.

(b) Any source which is subject to R307-305-2 through 7 or R307-307 is exempt from all provisions of R307-309 except for R307-309-4.

(c) Any source regulated by R307-205-5 or R307-205-6 is exempt from all provisions of R307-309 except for R307-309-4.

(3) The following additional definitions apply to R307-309:

"Material" means sand, gravel, soil, minerals or other matter which may create fugitive dust.

"Road" means any public or private road.

R307-309-2. Fugitive Emissions.

Fugitive emissions from any source shall not exceed 15% opacity.

R307-309-3. General Requirements for Fugitive Dust.

(1) Opacity caused by fugitive dust shall not exceed: (a) 10% at the property boundary; and (b) 20% on site unless an approval order issued under R307-401 or a dust control plan specifies a lower level; except when the wind speed exceeds 25 miles per hour and the owner or operator is taking appropriate actions to control fugitive dust. If the source has a dust control plan approved by the executive secretary, control measures in the plan are considered appropriate. Wind speed may be measured by a hand-held anemometer or equivalent device.

(2) Any source with a dust control plan approved by the executive secretary prior to March 4,

1999, shall review and revise the plan in accordance with R307-309-4 below. The revised plan shall be submitted to the executive secretary no later than May 4, 1999.

R307-309-4. Fugitive Dust Control Plan.

(1) Any person owning or operating a new or existing source of fugitive dust, including storage, hauling or handling operations or engaging in clearing or leveling of land one-quarter acre or greater in size, earthmoving, excavation, or movement of trucks or construction equipment over cleared land one-quarter acre or greater in size or access haul roads shall submit a plan to control fugitive dust to the executive secretary no later than 30 days after the source becomes subject to the rule. The plan shall address fugitive dust control strategies for the following operations as applicable:

- (a) Material Storage;
 - (b) Material handling and transfer;
 - (c) Material processing;
 - (d) Road ways and yard areas;
 - (e) Material loading and dumping;
 - (f) Hauling of materials;
 - (g) Drilling, blasting and pushing operations;
 - (h) Clearing and leveling;
 - (i) Earth moving and excavation;
 - (j) Exposed surfaces;
 - (k) Any other source of fugitive dust.
- (2) Strategies to control fugitive dust may

include:

- (a) Wetting or watering;
- (b) Chemical stabilization;
- (c) Enclosing or covering operations;
- (d) Planting vegetative cover;
- (e) Providing synthetic cover;
- (f) Wind breaks;
- (g) Reducing vehicular traffic;
- (h) Reducing vehicular speed;
- (i) Cleaning haul trucks before leaving loading area;
- (j) Limiting pushing operations to wet seasons;
- (k) Paving or cleaning road ways;
- (l) Covering loads;
- (m) Conveyor systems;
- (n) Boots on drop points;
- (o) Reducing the height of drop areas;
- (p) Using dust collectors;
- (q) Reducing production;
- (r) Mulching;
- (s) Limiting the number and power of blasts;

(t) Limiting blasts to non-windy days and wet seasons;

(u) Hydro drilling;

(v) Wetting materials before processing;

(w) Using a cattle guard before entering a paved road;

(x) Washing haul trucks before leaving the loading site; or

(y) Terracing.

(3) Each source shall comply with all provisions of the fugitive dust control plan as approved by the executive secretary.

R307-309-5. Storage, Hauling and Handling of Aggregate Materials.

Any person owning, operating or maintaining a new or existing material storage, handling or hauling operation shall prevent, to the maximum extent possible, material from being deposited onto any paved road other than a designated deposit site. Any such person who deposits materials which may create fugitive dust on a public or private paved road shall clean the road promptly.

R307-309-6. Construction and Demolition Activities.

Any person engaging in clearing or leveling of land with an area of one-quarter acre or more, earthmoving, excavating, construction, demolition, or moving trucks or construction equipment over cleared land or access haul roads shall prevent, to the maximum extent possible, material from being deposited onto any paved road other than a designated deposit site. Any such person who deposits materials which may create fugitive dust on a public or private paved road shall clean the road promptly.

R307-309-7. Roads.

(1) Any person responsible for construction or maintenance of any existing road or having right-of-way easement or possessing the right to use the same whose activities result in fugitive dust from the road shall minimize fugitive dust to the maximum extent possible. Any such person who deposits materials which may create fugitive dust on a public or private paved road shall clean the road promptly.

(2) Unpaved Roads.

(a) When unpaved roads have an average daily traffic volume of less than 150 vehicle trips per day, averaged over a consecutive 5-day period, fugitive dust shall be minimized to the maximum extent possible.

(b) When unpaved roads have an average daily traffic volume of 150 vehicle trips per day or greater, averaged over a consecutive 5 day period, control techniques shall be used which are equal to or better than 2-inch bituminous surface.

(c) Any person responsible for construction or maintenance of any new or existing unpaved road shall prevent, to the maximum extent possible, the deposit of material from the unpaved road onto any intersecting paved road during construction or maintenance. Any person who deposits materials which may create fugitive dust on a public or private paved road shall clean the road promptly.

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