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Contact Information

To contact the Division of Air Quality please call:

801-536-4000

or visit one of the following Web sites:

General air quality information, regulations, or to file a complaint:

www.airquality.utah.gov

Administrative rules on road salting and sanding:

www.rules.utah.gov/publicat/code/r307/r307-307.htm

DAQD

Utah Department of Environmental Quality Division of Air Quality

Information Sheet

Road Salting & Sanding Requirements for Non-attainment Areas

**Box Elder, Cache, Davis, Salt Lake,
Tooele, Utah & Weber Counties**

Wintertime salting and sanding of highways and arterial roadways contribute particulate matter emissions to the atmosphere. After these materials are applied to the roadways and the storm passes, the salt and sand dry out and enter the atmosphere as dust particles when road traffic passes over them.



Requirements

Any salt applied to roads shall be at least 92% sodium chloride (NaCl), magnesium chloride (MgCl₂), calcium chloride (CaCl₂), or potassium chloride (KCl). If an abrasive such as crushed slag or sand is applied to a roadway, there are two options:

- Demonstrate that the material does not have PM₁₀ or PM_{2.5} emissions greater than salt that meets the above requirement of at least 92% NaCl, MgCl₂, CaCl₂, or KCl.
- Vacuum sweep every arterial roadway (principal and minor) to which the material was applied within three days of the end of the storm for which the application was made.

Record Keeping

These requirements currently apply to Salt Lake, Davis, and Utah Counties. Beginning January 1, 2014, these requirements will also apply to the following areas:

- all portions of the Cache Valley;
- all regions in Weber County west of the Wasatch mountain range;
- in Box Elder County, from the Wasatch mountain range west to the Promontory mountain range and south of Portage; and,
- in Tooele County, from the northernmost part of the Oquirrh mountain range to the northern most part of the Stansbury mountain range, and north of Route 199.

The following records of material applied to roads must be kept for a period of two years:

Salt

Records must include quantity applied, percent by weight of insoluble solids in the salt, and the percentage of the material that is NaCl, MgCl₂, CaCl₂, or KCl.

Abrasives

(such as sand or crushed slag)

Records shall include the quantity applied and the percent by weight of fine material which passes the number 200 sieve in a standard gradation analysis.

Exemptions

In the interest of public safety, any person who applies an abrasive such as crushed slag or sand to arterial roadways because salt alone would not ensure safe driving conditions due to steepness of grade or extreme weather is exempt from the requirement to apply salt of at least 92% NaCl, MgCl₂, CaCl₂, or KCl. The record keeping requirements still apply.

The following roads are specifically excluded from this requirement:

- all canyon roads;
- the portion of Interstate 15 near Point of the Mountain;
- I-15, from Exit 385 northward to the Idaho Border;
- I-84 from Exit 17 eastward to Exit 40 at Tremonton;
- SR-39 from Harrison Boulevard eastward into Ogden Canyon;
- I-84 from the junction with US-89 eastward into Weber Canyon;
- I-80 near Black Rock, from the junction with SR-36 to the junction with SR-202;
- SR-199; and,
- SR-196.

