

R307. Environmental Quality, Air Quality.

R307-307. Road Salting and Sanding.

R307-307-1. Applicability.

R307-307 applies to all persons who apply salt or abrasives such as crushed slag and sand to roads in PM10 and PM2.5 nonattainment and maintenance areas as defined in 40 CFR 81.345 (July 1, 2011) and geographically described as all regions of Davis, Salt Lake, and Utah counties; 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.

R307-307-2. Definitions.

The following additional definition applies to R307-307:

"Arterial roadway" has the same meaning as outlined in U.S. DOT Federal Highway Administration Publication No. FHWA-ED-90-006, Revised March 1989, "Highway Functional Classification: Concepts, Criteria, and Procedures" as interpreted by Utah Department of Transportation and shown in the following maps: Salt Lake Urbanized Area, Provo-Orem Urbanized Area, and Ogden Urbanized Area (1992 or later).

R307-307-3. Records.

(1) Any person who applies salt or abrasives such as crushed slag and sand to roads in PM10 and PM2.5 nonattainment and maintenance areas shall maintain records of the material applied.

(a) For salt, the records shall include the quantity applied, the percent by weight of insoluble solids in the salt, and the percentage of the material that is sodium chloride (NaCl), magnesium chloride (MgCl₂), calcium chloride (CaCl₂), or potassium chloride (KCl).

(b) For abrasives such as sand or crushed slag, the 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.

(2) All records shall be maintained for a period of at least two years, and the records shall be made available to the director or his designated representative upon request.

R307-307-4. Content.

(1) After October 1, 1993, any salt applied to roads in Salt Lake, Davis, or Utah counties shall be at least 92% NaCl, MgCl₂, CaCl₂, and/or KCl.

(2) After January 1, 2014, any salt applied to roads in all other areas specified in R307-307-1 shall be no less than 92% by weight NaCl, MgCl₂, CaCl₂, and/or KCl.

R307-307-5. Alternatives.

(1) After October 1, 1993, any person who applies an abrasive such as crushed slag, or sand or who applies salt that is less than 92% by weight NaCl, MgCl₂, CaCl₂ and/or KCl to roads in Salt Lake, Davis, or Utah Counties shall either:

(a) demonstrate to the director that the material applied has no more PM10 or PM2.5 emissions than salt which is at least 92% NaCl, MgCl₂, CaCl₂, and/or KCl; or

(b) 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.

(2) After January 1, 2014, any person who applies an abrasive such as crushed slag or sand, or who applies salt that is less than 92% by weight NaCl, MgCl₂, and/or CaCl₂ to roads in all other areas specified in R307-307-1 shall comply with the requirements of either R307-307-5(1)(a) or (b).

R307-307-6. Exemptions.

(1) 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 requirements in R307-307-4.

(2) The following roads are specifically excluded from the requirements of R307-307-5(1):

(a) all canyon roads;

(b) the portion of Interstate 15 near Point of the Mountain;

(c) I-15, from Exit 385 northward to the Idaho Border;

(d) I-84 from Exit 17 eastward to Exit 40 at Tremonton;

(e) SR-39 from Harrison Boulevard eastward into Ogden Canyon;

(f) I-84 from the junction with US-89 eastward into Weber Canyon;

(g) I-80 near Black Rock, from the junction with SR-36 to the junction with SR-202;

(h) SR-199; and

(i) SR-196.

KEY: air pollution, roads, particulate

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