R307. Environmental Quality, Air Quality.

R307-312. Aggregate Processing Operations for PM2.5 Nonattainment Areas.

R307-312-1. Purpose.

R307-312 establishes emission standards for sources in the aggregate processing industry, including aggregate processing equipment, hot mix asphalt plants, and concrete batch plants.

R307-312-2. Applicability.

(1) R307-312 applies to all crushers, screens, conveyors, hot mix asphalt plants, and concrete batch plants located within a PM2.5 nonattainment and maintenance area as defined in 40 CFR 81.345 (July 1, 2011) and geographically described as all regions of Salt Lake and Davis counties; all portions of the Cache Valley; all regions in Weber and Utah counties 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.

(2) The provisions of R307-312 do not apply to temporary hot mix asphalt plants.

R307-312-3. Definitions.

The following definitions apply to R307-312:

"Aggregate" means material of which the majority is nonmetallic minerals.

"Concrete batch plant" means any facility used to manufacture concrete by mixing aggregate with cement.

"Conveyor" means a device for transporting nonmetallic materials from one piece of equipment to another.

"Crusher" means a machine used to crush any nonmetallic minerals.

"Hot mix asphalt plant" means any facility used to manufacture hot mix asphalt by heating and drying aggregate and mixing with asphalt cements.

"Nonmetallic mineral" has the same definition as defined in 40 CFR 60.671.

"Screen" means a device for separating nonmetallic minerals according to size by passing undersize material through one or more mesh surfaces in series, and retaining oversize material on the mesh surfaces.

"Temporary" means not more than 180 operating days and not more than 365 calendar days.

R307-312-4. Visible Emissions.

(1) Visible emissions from sources subject to R307-312 shall not exceed the opacity limits as specified in Table 1.

TABLE 1

CATEGORY	OPACITY LIMIT
Crushers	12%
Screens	7%
Conveyor transfer points	7%
Concrete batch plants	7%

(2) Opacity Observation.

(a) Opacity observations of emissions shall be conducted according to 40 CFR 60, Appendix A, Method 9.

(b) The duration of the Method 9 observations shall be 30 minutes (five six-minute averages).

(c) Compliance shall be based on the average of the five six-minute averages. The duration of Method 9 may be reduced to 6 minutes (one six-minute average) if the first six-minute average is below the limit specified in Table 1.

R307-312-5. Hot Mix Asphalt Plants.

(1) The filterable PM2.5 emission rate from a hot mix asphalt plant dryer shall not exceed 0.024 grains per dscf.

(a) Filterable PM2.5 emissions shall be determined by 40 CFR 51, Appendix M, Method 201A.

(2) From November 1 to March 1, a hot mix asphalt plant burning a fuel other than natural gas or liquefied petroleum gas (LPG) shall not produce more than 50% of its rated capacity.

(a) Production shall be determined by scale house records or equivalent method on a daily basis.

(b) Compliance shall be based on either the daily amount of hot mix asphalt produced averaged over the operating day or the daily amount of hot mix asphalt produced while burning a fuel other than natural gas or LPG averaged over the time the plant is operating while burning a fuel other than natural gas or LPG each day.

(c) Compliance shall be determined by production records and fuel records.

R307-312-6. Compliance Schedule.

(1) All sources subject to R307-312-4 or R307-312-5(2) shall be in compliance with this rule by June 7, 2013.

(2) All sources subject to R307-312-5(1) that begin construction prior to June 7, 2013, shall submit test results demonstrating compliance with R307-312-5(1) to the director by December 14, 2015.

(3) All sources subject to R307-312-5(1) that begin construction on or after June 7, 2013, shall submit test results demonstrating compliance with R307-312-5(1) to the director no later than 180 days after initial startup.

KEY: air pollution, aggregate, asphalt, concrete

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