**340-208-0110**

**Visible Air Contaminant Limitations**

(1) No person may emit or allow to be emitted any air contaminant into the atmosphere from any air contaminant stack or emission point that equals or exceeds 20 percent opacity as a six-minute average except as allowed in section (2).

(2) For wood fired boilers that were constructed or installed prior to June 1, 1970 and not modified since that time, visible emissions during grate cleaning or soot blowing operations must not equal or exceed 40% opacity as a six minute average.

(a) Beginning September 30, 2014, this exception will only apply if the owner or operator conducts the grate cleaning or soot blowing using a grate cleaning or soot blowing plan that has been approved by DEQ.

(b) The owner or operator must prepare a grate cleaning or soot blowing plan in consultation with DEQ and submit the plan to DEQ by September 1, 2014.

3) Compliance with section (1) and (2) is determined using EPA Method 9 (40 CFR Part 60, Appendix A) or a continuous opacity monitoring system (COMS) installed and operated under the DEQ Continuous Monitoring Manual.

(4) DEQ may defer compliance with section (1) until April 1, 2015 for sources that were installed, constructed, or modified before June 1, 1970, that are located outside special control areas and were subject to the 40 percent opacity limit.

**NOTE:** This rule is included in the State of Oregon Clean Air Act Implementation Plan as adopted by the EQC under OAR 340-200-0040.

Stat. Auth.: ORS 468 & 468A   
Stats. Implemented: ORS 468.020 & 468A.025   
Hist.: DEQ 16, f. 6-12-70, ef. 7-11-70; DEQ 4-1993, f. & cert. ef. 3-10-93; DEQ 3-1996, f. & cert. ef. 1-29-96; DEQ 14-1999, f. & cert. ef. 10-14-99, Renumbered from 340-021-0015; DEQ 2-2001, f. & cert. ef 2-5-01; DEQ 8-2007, f. & cert. ef. 11-8-07

**Grain Loading Standards**

**340-226-0210**

**Particulate Emission Limitations for Sources Other Than Fuel Burning Equipment, Refuse Burning Equipment, and Fugitive Emissions**

(1) No person may cause, suffer, allow, or permit particulate matter emission from any air contaminant source in excess of:

(a) For sources installed, constructed, or modified before June 1, 1970:

(A) 0.2 grains per dry standard cubic foot through March 31, 2015;

(B) 0.20 grains per dry standard cubic foot from April 1, 2015 through March 31, 2019.

(b) For sources installed, constructed, or modified on or after June 1, 1970:

(A) 0.1 grains per dry standard cubic foot through March 31, 2019 if located more than 5 miles of a PM10 or PM2.5 sustainment area, nonattainment area, reattainment area, or maintenance area;

(B) 0.1 grains per dry standard cubic foot through March 31, 2015 if located within 5 miles of a PM10 or PM2.5 sustainment area, nonattainment area, reattainment area, or maintenance area;

(C) 0.10 grains per dry standard cubic foot after March 31, 2015 if located within 5 miles of a PM10 or PM2.5 sustainment area, nonattainment area, reattainment area, or maintenance area;

(c) For sources installed, constructed or modified after March 31, 2014, 0.10 grains per dry standard cubic foot.

(d) For all sources, 0.10 grains per dry standard cubic foot after March 31, 2019.

(e) The owner or operator of an source installed, constructed or modified before April 1, 2014 who is unable to comply with any of the compliance dates specified in paragraphs (a)(B), (b)(C), and (d) above may request that DEQ grant an extension allowing the source up to one additional year to comply with the standard, provided that the owner or operator submits an engineering report signed by a registered professional engineer that demonstrates that the source cannot comply with the standard without making significant changes to the equipment or control devices or adding control devices. The request for an extension must be submitted no later than 90 days prior to the compliance dates.

(2) Compliance with the emissions standards in section (1) is determined using:

(a) Oregon Method 5 or DEQ Method 8, as approved by DEQ for sources with exhaust gases at or near ambient conditions;

(b) DEQ Method 7 for direct heat transfer sources;

(c) DEQ Method 5 for indirect heat transfer combustion sources and all other non-fugitive emissions sources not listed above; or

(d) An alternative method approved by DEQ.

(3) This rule does not apply to fuel or refuse burning equipment, or to fugitive emissions. [**NOTE:** This rule is included in the State of Oregon Clean Air Act Implementation Plan as adopted by the EQC under OAR 340-200-0040.]

Stat. Auth.: ORS 468 & ORS 468A  
Stats. Implemented: ORS 468.020 & ORS 468A.025.  
Hist.: DEQ 37, f. 2-15-72, ef. 3-1-72; DEQ 4-1993, f. & cert. ef. 3-10-93; DEQ 3-1996, f. & cert. ef. 1-29-96; DEQ 14-1999, f. & cert. ef. 10-14-99, Renumbered from 340-021-0030; DEQ 6-2001, f. 6-18-01, cert. ef. 7-1-01

**340-228-0210**

**Grain Loading Standards**

(1) No person may cause, suffer, allow, or permit particulate matter emission from any fuel burning equipment in excess of:

(a) For sources installed, constructed, or modified before June 1, 1970:

(A) 0.2 grains per dry standard cubic foot through March 31, 2015;

(B) 0.20 grains per dry standard cubic foot from April 1, 2015 through March 31, 2019.

(b) For sources installed, constructed, or modified on or after June 1, 1970:

(A) 0.1 grains per dry standard cubic foot through March 31, 2019 if located more than 5 miles of a PM10 or PM2.5 sustainment area, nonattainment area, reattainment area, or maintenance area;

(B) 0.1 grains per dry standard cubic foot through March 31, 2015 if located within 5 miles of a PM10 or PM2.5 sustainment area, nonattainment area, reattainment area, or maintenance area;

(C) 0.10 grains per dry standard cubic foot after March 31, 2015 if located within 5 miles of a PM10 or PM2.5 sustainment area, nonattainment area, reattainment area, or maintenance area;

(c) For sources installed, constructed or modified after March 31, 2014, 0.10 grains per dry standard cubic foot.

(d) For all sources, 0.10 grains per dry standard cubic foot after March 31, 2019.

(e) The owner or operator of an source installed, constructed or modified before April 1, 2014 who is unable to comply with any of the compliance dates specified in paragraphs (a)(B), (b)(C), and subsection (d) may request that DEQ grant an extension allowing the source up to one additional year to comply with the standard, provided that the owner or operator submits an engineering report signed by a registered professional engineer that demonstrates that the source cannot comply with the standard without making significant changes to the equipment or control devices or adding control devices. The request for an extension must be submitted no later than 90 days prior to the compliance dates.

(2) Compliance with the emissions standards in section (1) is determined using Oregon Method 5, or an alternative method approved by DEQ.

(a) For external combustion devices that burn wood fuel by itself or in combination with any other fuel, the emission results are corrected to 12% CO2.

(b) For external combustion devices that burn fuels other than wood, the emission results are corrected to 50% excess air.

(3) This rule does not apply to solid fuel burning devices that have been certified under OAR 340-262-0500.

**NOTE:** This rule is included in the State of Oregon Clean Air Act Implementation Plan as adopted by the EQC under OAR 340-200-0040.

Stat. Auth.: ORS 468 & 468A  
Stats. Implemented: ORS 468.020 & 468A.025  
Hist.: DEQ 16, f. 6-12-70, ef. 7-11-70; DEQ 12-1979, f. & ef. 6-8-79; DEQ 6-1981, f. & ef. 2-17-81; DEQ 18-1982, f. & ef. 9-1-82; DEQ 4-1993, f. & cert. ef. 3-10-93; DEQ 3-1996, f. & cert. ef. 1-29-96; DEQ 14-1999, f. & cert. ef. 10-14-99, Renumbered from 340-021-0020; DEQ 8-2007, f. & cert. ef. 11-8-07; DEQ 7-2011, f. & cert. ef. 6-24-11; Administrative correction, 2-6-12; DEQ 1-2012, f. & cert. ef. 5-17-12