

**DEPARTMENT OF
ENVIRONMENTAL CONSERVATION**



18 AAC 50

AIR QUALITY CONTROL

Re-Adoption Draft

August 3, 2011

**Sean Parnell
Governor**

**Larry Hartig
Commissioner**

18 AAC 50.010(2) is amended by adding a new subparagraph to read:

(D) one-hour average sulfur dioxide concentration of 196 micrograms per cubic meter, attained when the three-year average of the annual, 99th percentile, daily maximum, one-hour sulfur dioxide concentration is less than or equal to 196 micrograms per cubic meter, as determined in accordance with 40 C.F.R. Part 50, Appendix T, adopted by reference in 18 AAC 50.035(b);

(Eff. 1/18/97, Register 141; am 6/21/98, Register 146; am 10/1/2004, Register 171; am 4/1/2010, Register 193; am __/__/____, Register ____)

Authority: AS 46.03.020 AS 46.14.030 Sec. 30, ch. 74, SLA 1993
AS 46.14.010

The lead-in language of 18 AAC 50.035(b) is amended to read:

(b) The following procedures and methods set out in 40 C.F.R., as revised as of July 1, **2010** [2009], are adopted by reference:

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18 AAC 50.035(b)(1) is amended to read:

(1) 40 C.F.R. Part 50, Appendices A, D, F, G, J, K, L, N, P, Q, [AND] **R, and T**; (Eff. 1/18/97, Register 141; am 6/21/98, Register 146; am 7/2/2000, Register 154; am 2/2/2002, Register 161; am 5/3/2002, Register 162; am 10/1/2004, Register 171; am 12/3/2005, Register 176; am 7/25/2008, Register 187; am 11/9/2008, Register 188; am 4/1/2010, Register 193; am __/__/____, Register ____)

Authority: AS 46.03.020 AS 46.14.030 Sec. 30, ch. 74, SLA 1993
 AS 46.14.010 AS 46.14.140
 AS 46.14.020

18 AAC 50.215(d) is amended to read:

(d) Table 5 establishes the significant impact level, expressed as micrograms per cubic **meter** [METERS], for each pollutant and averaging **period** [TIME]. If the ambient impacts from emissions from a stationary source or modification are less than the concentrations in Table 5, the emissions are not considered to cause or contribute to a violation of an ambient air quality standard or maximum allowable increase for a Class II area.

Table 5. Significant Impact Levels (SILs)

Pollutant	Significant impact level (micrograms per cubic meter)				
	Averaging period [TIME (HOURS)]				
	Annual	24 hours	8 hours	3 hours	1 hour
Sulfur dioxide	1.0	5	N/A	25	8 [N/A]
PM-10	1.0	5	N/A	N/A	N/A
PM-2.5	0.3	1.2	N/A	N/A	N/A
Nitrogen dioxide	1.0	N/A	N/A	N/A	N/A

Carbon monoxide	N/A	N/A	500	N/A	2,000
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Note to Table 5: In this table, "N/A" means not applicable.

(Eff. 1/18/97, Register 141; am 6/21/98, Register 146; am 10/1/2004, Register 171; am 7/25/2008, Register 187; am 4/1/2010, Register 193; am 10/29/2010, Register 196; am __/__/____, Register __)

Authority: AS 46.03.020 AS 46.14.140 Sec. 30, ch. 74, SLA 1993
AS 46.14.030 AS 46.14.180

18 AAC 50.220(c)(1)(F) is amended to read:

(F) source testing for emissions of PM-10 **and PM-2.5** must follow the procedures set out in Appendix M to 40 C.F.R. Part 51, adopted by reference in 18 AAC 50.035; (Eff. 1/18/97, Register 141; am 10/1/2004, Register 171; am __/__/____, Register __)

Authority: AS 46.03.020 AS 46.14.030 Sec. 30, ch. 74, SLA 1993
AS 46.14.010 AS 46.14.140
AS 46.14.020

The lead-in language of 18 AAC 50.326(e) is amended to read:

(e) **Applications – insignificant emission units: emission rate basis.** Except as provided in (d) of this section, an emission unit is insignificant based on emission rate if its actual emissions of each air pollutant are less than the rates listed in [(1) - (15) OF] this subsection. If requested by the department, an applicant or permittee shall demonstrate that an

emission unit listed as insignificant under this subsection has actual emissions less than the following rates:

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18 AAC 50.326(e)(15) is repealed and readopted to read:

(15) for greenhouse gases, 3,750 TPY of CO₂ equivalent emissions (CO₂e);

18 AAC 50.326(e) is amended by adding a new paragraph to read:

(16) 0.5 TPY for any regulated air pollutant not listed in (1) - (15) of this subsection.

(Eff. 10/1/2004, Register 171; am 12/1/2004, Register 172; am __/__/____, Register __)

Authority:	AS 46.03.020	AS 46.14.140	AS 46.14.190
	AS 46.14.010	AS 46.14.150	AS 46.14.220
	AS 46.14.020	AS 46.14.170	AS 46.14.230
	AS 46.14.120	AS 46.14.180	AS 46.14.515
	AS 46.14.130		

18 AAC 50.990 is amended by adding new paragraphs to read:

(131) “greenhouse gases” has the meaning given in 40 C.F.R. 52.21, adopted by reference in 18 AAC 50.040;

(132) CO₂ equivalent emissions or CO₂e has the meaning given in 40 C.F.R. 52.21, adopted by reference in 18 AAC 50.040.

(Eff. 1/18/97, Register 141; am 6/14/98, Register 146; am 6/21/98, Register 146; am 9/4/98,

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Register 147; am 11/4/99, Register 152; am 1/1/2000, Register 152; am 2/2/2002, Register 161;
am 5/3/2002, Register 162; am 11/15/2002, Register 164; am 8/8/2003, Register 167; am
10/1/2004, Register 171; am 12/3/2005, Register 176; am 12/30/2007, Register 184; am
7/25/2008, Register 187; am 4/1/2010, Register 193; am 12/9/2010, Register 196; am __/__/____,
Register ____)

Authority:	AS 44.46.025	AS 46.14.140	AS 46.14.250
	AS 46.03.020	AS 46.14.150	AS 46.14.255
	AS 46.03.710	AS 46.14.160	AS 46.14.280
	AS 46.14.010	AS 46.14.170	AS 46.14.285
	AS 46.14.020	AS 46.14.180	AS 46.14.290
	AS 46.14.030	AS 46.14.210	AS 46.14.300
	AS 46.14.120	AS 46.14.230	AS 46.14.560
	AS 46.14.130	AS 46.14.240	Sec. 30, ch. 74, SLA 1993