

# DEPARTMENT OF ENVIRONMENTAL CONSERVATION



**18 AAC 50**

**Air Quality Control**

**Adoption Draft**

**April 16, 2018**

**Bill Walker**  
**Governor**

**Larry Hartig**  
**Commissioner**

18 AAC 50.025(a)(2) is amended to read:

(2) **Denali** [MT. MCKINLEY], Alaska Range, and the Interior Lowlands, as viewed from the vicinity of Wonder Lake; and

(Eff. 1/18/97, Register 141; am 6/21/98, Register 146; am 11/26/2016, Register 220; am \_\_/\_\_/\_\_\_\_, Register \_\_)

**Authority:** AS 46.03.020 AS 46.14.010 AS 46.14.030

18 AAC 50.030(a) is amended to read:

**18 AAC 50.030. State air quality control plan.** (a) Volumes II and III of the *State Air Quality Control Plan* for implementing and enforcing the provisions of AS 46.14 and this chapter, as amended through {*adoption date of the regulations*} [NOVEMBER 3, 2017], are adopted by reference. The plan includes the following documents which are also adopted by reference:

(Eff. 1/18/97, Register 141; am 6/21/98, Register 146; am 9/4/98, Register 147; am 1/1/2000, Register 152; am 12/30/2000; Register 156; am 9/21/2001, Register 159; am 1/27/2002, Register 161; am 3/27/2002, Register 161; am 5/3/2002, Register 162; am 2/20/2004, Register 169; am 6/24/2004, Register 170; am 10/1/2004, Register 171; am 12/14/2006, Register 180; am 12/30/2007, Register 184; am 5/17/2008, Register 186; am 7/25/2008, Register 187; am 11/9/2008, Register 188; am 5/6/2009, Register 190; am 11/4/2009, Register 192; am 4/1/2010, Register 193; am 10/29/2010, Register 196; am 4/13/2011, Register 198; am 9/17/2011, Register 199; am 8/1/2012, Register 203; am 5/8/2013, Register 206; am 2/5/2015, Register 213; am 4/17/2015, Register 214; am 3/2/2016, Register 217; am 11/26/2016, Register 220; am 12/29/2016, Register 220; am \_\_/\_\_/\_\_\_\_, Register \_\_)

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

18 AAC 50.035(a)(3) is amended to read:

(3) the United States Environmental Protection Agency's (EPA) publication AP-42, *Compilation of Air Pollutant Emission Factors, Volume I: Stationary Point and Area Sources*, Fifth Edition with Supplements A – F and annual updates, as updated through **February 2018** [APRIL 2015];

...

18 AAC 50.035(a)(7) is repealed:

(7) repealed \_\_\_/\_\_\_/\_\_\_ [AERSCREEN USER'S GUIDE, EPA-454/B-15-005, DATED JULY 2015];

18 AAC 50.035(a) is being amended by adding a new paragraph to read:

**(9) the department's letter, *Inclusion of Emissions from Worker Housing Units in Air Quality Permits, January 30, 2017.***

(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 9/17/2011, Register 199; am 4/8/2012, Register 202; am 9/14/2012, Register 203; am 1/4/2013, Register 205; am 4/17/2015, Register 214; am 8/20/2016, Register 219; am \_\_\_/\_\_\_/\_\_\_, Register \_\_\_)

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

18 AAC 50.040(a) is amended to read:

**18 AAC 50.040. Federal standards adopted by reference.** (a) The following provisions of 40 C.F.R. Part 60 (Standards of Performance for New Stationary Sources), revised as of **July 1, 2017** [FEBRUARY 1, 2016], are adopted by reference as they apply to a Title V source:

...

18 AAC 50.040(a)(2) is amended by adding a new paragraph to read:

**(ZZ) Subpart OOOOa (Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015);**

...

18 AAC 50.040(b) is amended to read:

(b) The following provisions of 40 C.F.R. Part 61 (National Emission Standards for Hazardous Air Pollutants), revised as of **July 1, 2017** [JULY 1, 2015], are adopted by reference as they apply to a Title V source:

...

18 AAC 50.040(c) is amended to read:

(c) The following provisions of 40 C.F.R. Part 63 (National Emission Standards for Hazardous Air Pollutants), revised as of **July 1, 2017** [FEBRUARY 1, 2016], are adopted by reference as they apply to a Title V source:

...

18 AAC 50.040(d) is amended to read:

(d) The provisions of 40 C.F.R. Part 82, revised as of **July 1, 2017** [JANUARY 1, 2016], are adopted by reference to the extent that they apply to a Title V source.

18 AAC 50.040(e) is amended to read:

(e) The requirements of 40 C.F.R. 52.70 - 40 C.F.R. 52.98, revised as of **July 1, 2017** [JULY 1, 2015], as they apply to a Title V source and for purposes of a Title V permit, are adopted by reference.

18 AAC 50.040(f) is amended to read:

(f) The provisions of 40 C.F.R. Part 51, Appendix W (Guideline on Air Quality Models), revised as of **July 1, 2017** [JULY 1, 2015], are adopted by reference.

18 AAC 50.040(g) is amended to read:

(g) The following provisions of 40 C.F.R. Part 62 (Approval and Promulgation of State Plans for Designated Facilities and Pollutants), revised as of **July 1, 2017** [JULY 1, 2015], are adopted by reference as they apply to a Title V source:

...

18 AAC 50.040(h) is amended to read:

(h) The following provisions of 40 C.F.R. 51.166 (Prevention of Significant Deterioration of Air Quality) and 40 C.F.R. Part 52 (Approval and Promulgation of Implementation Plans), revised as of **July 1, 2017** [DECEMBER 28, 2015], are adopted by

reference:

...

18 AAC 50.040(i) is amended to read:

(i) From the following provisions of 40 C.F.R. 51.165 (Permit Requirements), revised as of **July 1, 2017** [JULY 1, 2015], text setting out provisions that a state implementation plan shall or may contain is adopted by reference as follows:

...

18 AAC 50.040(j) is amended to read:

(j) The following provisions of 40 C.F.R. Part 71 (Operating Permits), revised as of **July 1, 2017** [JULY 1, 2015], are adopted by reference as they apply to a Title V source, except as provided in 18 AAC 50.326:

...

18 AAC 50.040(k) is amended to read:

(k) The provisions of 40 C.F.R. Part 64, revised as of **July 1, 2017** [JULY 1, 2015], are adopted by reference to the extent that they apply to a Title V source. (Eff. 1/18/97, Register 141; am 6/14/98, Register 146; am 6/21/98, Register 146; am 7/2/2000, Register 154; am 6/1/2002, Register 162; am 8/15/2002, Register 163; am 10/1/2004, Register 171; am 12/3/2005, Register 176; am 7/25/2008, Register 187; am 12/9/2010, Register 196; am 9/14/2012, Register 203; am 1/4/2013, Register 205; am 10/6/2013, Register 208; am 11/9/2014, Register 212; am 4/17/2015, Register 214; am 8/20/2016, Register 219; am \_\_/\_\_/\_\_\_\_, Register \_\_\_\_)

**Authority:** AS 46.03.020 AS 46.14.020 AS 46.14.030

AS 46.14.010

**Editor's note:** The federal standards adopted by reference in 18 AAC 50.040 may be reviewed at the department's Anchorage, Fairbanks, or Juneau office.

The owner or operator of an affected facility subject to a federal emission standard that is not at a stationary source subject to a Title V permit should contact the United States Environmental Protection Agency.

[AS OF REGISTER 199 (OCTOBER 2011), THE REGULATION ATTORNEY MADE A TECHNICAL REVISION UNDER AS 44.62.125(B)(6), TO 18 AAC 50.040(A).

THE JULY 1, 2011 PUBLICATION OF 40 C.F.R., PART 60, SUBPARTS LLLL AND MMMM CONTAIN PRINTING ERRORS: ANNOTATIONS THAT FOLLOW THOSE PROVISIONS INCORRECTLY DESCRIBE THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY AS HAVING INDEFINITELY DELAYED THEIR EFFECTIVE DATES.]

18 AAC 50.055(a)(9) is amended to read:

(9) more than 20 percent for more than three minutes in any one hour for a ~~coal-~~ **fired** [COAL BURNING] boiler that began operation before August 17, 1971, except for an additional three minutes in any one hour if

...

18 AAC 50.055(b)(3) is amended to read:

(3) 0.1 grains for an industrial process in operation before July 1, 1972 [, EXCEPT AS PROVIDED IN (6) OF THIS SUBSECTION];

(Eff. 1/18/97, Register 141; am 6/21/98, Register 146; am 11/4/99, Register 152; am 5/3/2002, Register 162; am 10/1/2004, Register 171; am 7/25/2008, Register 187; am 12/9/2010, Register

196; am 8/20/2016, Register 219; am \_\_/\_\_/\_\_\_\_, Register \_\_\_\_)

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

18 AAC 50.079(b) is amended to read:

(b) A person may not [OPERATE,] install, or reinstall a coal-fired heating device and may not supply, sell, lease, distribute, or convey a coal-fired heating device for operation or installation unless it is a listed device with the local government's air quality program or certified by EPA.

(Eff. 1/12/2018, Register 225; am \_\_/\_\_/\_\_\_\_, Register \_\_\_\_)

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

18 AAC 50.215(c) is amended to read:

(c) A person may substitute or modify a refined air quality model referenced in (b)(1) of this section only after

(1) demonstrating, consistent with 40 C.F.R. Part 51, Appendix W (Guideline on Air Quality Models), **Section 3.2 (Alternative Models)** [SECTION 3.2.2 (USE OF ALTERNATIVE MODELS – RECOMMENDATIONS)], adopted by reference in 18 AAC 50.040(f), that the alternative air quality model is more appropriate than a preferred air quality model; and

(2) obtaining approval from the regional administrator and the **commissioner's designee** [COMMISSIONER].



...

18 AAC 50.215(e) is repealed:

(e) repealed \_\_\_/\_\_\_/\_\_\_\_ [A PERSON MAY USE THE AERSCREEN DISPERSION MODEL AS AN ALLOWED SCREENING TECHNIQUE UNDER SECTION 4.2.1 OF 40 C.F.R. PART 51, APPENDIX W (GUIDELINE ON AIR QUALITY MODELS), ADOPTED BY REFERENCE IN 18 AAC 50.040(f), FOR ESTIMATING THE AMBIENT IMPACTS FROM ONSHORE SOURCES, IF THE ANALYSIS CONDUCTED WITH AERSCREEN IS CONSISTENT WITH EPA'S *AERSCREEN MODEL USER'S GUIDE*, ADOPTED BY REFERENCE IN 18 AAC 50.035(a)].

(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 9/17/2011, Register 199; am 9/14/2012, Register 203; am 1/4/2013, Register 205; am 4/17/2015, Register 214; am 8/20/2016, Register 219; 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(b)(2) is amended to read:

(2) at the maximum rated burning or operating capacity of the **emissions** [EMISSION] unit or another rate determined by the department to characterize the actual discharge into the ambient air.

...

18 AAC 50.220(c)(3) is amended to read:

(3) standard exhaust gas volumes must include only the volume of gases formed

from the theoretical combustion of the fuel, plus the excess air volume normal for the specific **emissions** [EMISSION] unit type, corrected to standard conditions.

...

18 AAC 50.220(d)(1) is amended to read:

(1) the compliance status of the **emissions** [EMISSION] unit and the margin of compliance with each applicable requirement as demonstrated by prior compliance tests or other reasonably accurate data or calculations;

(Eff. 1/18/97, Register 141; am 10/1/2004, Register 171; am 9/17/2011, Register 199; am

9/14/2012, Register 203; am 4/17/2015, Register 214; am \_\_/\_\_/\_\_\_\_, Register \_\_\_\_)

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

18 AAC 50.225(b)(2) is amended to read:

(2) a list of all **emissions** [EMISSION] units at the stationary source;

...

18 AAC 50.225(i) is amended to read:

(i) If an owner or operator requests a limit under this section for a stationary source that already has one or more limits approved under this section, the owner or operator shall provide a copy of all existing limits with the information provided under (b) of this section. This copy is required regardless of whether the new limit will apply to **emissions** [EMISSION] units regulated under any existing limits. If the department make a preliminary decision to approve the new limit, the department will combine the new limit and all existing limits into a single decisional document and process it in accordance with (d) – (g) of this section. All existing limits

remain in effect until the effective date of the new decision, unless revoked earlier in accordance with (h) of this section. (Eff. 1/18/97, Register 141; am 6/21/98, Register 146; am 10/1/2004, Register 171; am 1/29/2005, Register 173; am 7/25/2008, Register 187; am 12/9/2010, Register 196; am 9/14/2012, Register 203; am 10/6/2013, Register 208; am \_\_/\_\_/\_\_\_\_, Register \_\_\_\_)

**Authority:** AS 46.03.020 AS 46.14.020 AS 46.14.140  
AS 46.03.030 AS 46.14.120

18 AAC 50.230(b) is amended to read:

(b) The owner or operator of a stationary source containing one or more **emissions** [EMISSION] units described in (c) or (d) of this section may request that the preapproved limits in those subsections be applied to that stationary source. To make the request, the owner or operator shall submit to the department the information required for the limit requested.

...

18 AAC 50.230(c)(1)(E) is amended to read:

(E) an estimate of the potential to emit nitrogen oxides, in tons per year, from all **emissions** [EMISSION] units at the stationary source that are not listed under (B) of this paragraph;

...

18 AAC 50.230(d)(1) is amended to read:

(1) submit to the department a [LETTER OR] form containing

...

18 AAC 50.230(d)(2)(D) is amended to read:

(D) no later than January 31 of each year, submit to the department a copy of the records required by (B) of this paragraph for the preceding year **as follows:**

**(i) by letter, form, or electronic submission through Air Online**

**Services on or before January 31, 2019;**

**(ii) by electronic submission through Air Online Services after**

**February 1, 2019; or**

**(iii) by alternative methods upon approval by the department.**

...

18 AAC 50.230(e)(1)(A) is amended to read:

(A) a new **minor permit or** construction permit under this chapter as if the limit had never existed; or

(Eff. 1/18/97, Register 141; am 6/21/98, Register 146; am 10/1/2004, Register 171; am 1/29/2005, Register 173; am 7/1/2010, Register 194; am 9/26/2015, Register 215; am \_\_/\_\_/\_\_\_\_, Register \_\_)

<b>Authority:</b>	AS 44.46.025	AS 46.14.030	AS 46.14.170
	AS 46.03.020	AS 46.14.120	AS 46.14.180
	AS 46.14.010	AS 46.14.130	AS 46.14.240
	AS 46.14.020		

18 AAC 50.235(b)(1) is amended to read:

(1) an unavoidable emergency, malfunction, or nonroutine repair of an **emissions** [EMISSION] unit occurred, and the person can identify the cause;

(Eff. 1/18/97, Register 141; am 6/14/98, Register 146; 10/1/2004, Register 171; am \_\_/\_\_/\_\_\_\_, Register \_\_)

**Authority:** AS 46.03.020 AS 46.14.140 AS 46.14.560

18 AAC 50.260(g) is amended to read:

(g) If an owner or operator elects to apply, or has already applied, the most stringent controls available consistent with the analysis conducted under (e) of this section, they are not required to conduct a visibility impact analysis for the emissions [EMISSION] units and pollutants to which the controls are to be or have been applied.

...

18 AAC 50.260(j) is amended to read:

(j) The department will review each analysis of control options and issue a preliminary BART determination for each emissions [EMISSION] unit at each source subject to BART. In the preliminary BART determination, the department will include:

(1) the pollutant-specific emission limits for each emissions [EMISSION] unit at each source subject to BART; and

...

18 AAC 50.260(l)(1) is amended to read:

(1) the pollutant-specific emission limits for each emissions [EMISSION] unit at each source subject to BART; and

(Eff. 12/30/2007, Register 184; am 7/1/2010, Register 194; am 10/6/2013, Register 208; am 9/26/2015, Register 215; am \_\_/\_\_/\_\_\_\_, Register \_\_)

**Authority:** AS 46.03.710 AS 46.14.020 Sec. 30, ch. 74, SLA 1993

AS 46.14.010

AS 46.14.030

18 AAC 50.311 is amended by adding a new subsection to read:

(e) For purposes of nonattainment area major stationary source permits under this section, the term “significant” as defined under 40 C.F.R. 51.165(a)(1), adopted by reference in 18 AAC 50.040, includes 40 TPY of ammonia emissions as a precursor for PM-2.5.

(Eff. 10/1/2004, Register 171; am \_\_/\_\_/\_\_\_\_, Register \_\_\_\_)

**Authority:** AS 46.03.020 AS 46.14.020 AS 46.14.170  
AS 46.03.850 AS 46.14.130 AS 46.14.180  
AS 46.14.010 AS 46.14.140

18 AAC 50.326(d) is amended to read:

(d) **Applications – insignificant emissions [EMISSION] units.** The provisions in 40 C.F.R. 71.5(c)(11) for insignificant emissions [EMISSION] units and activities do not apply and are replaced by (d) - (i) of this section. **Emissions** [EMISSION] units and activities described in (e) - (i) of this section are insignificant and need not be included in an operating permit application except as follows:

18 AAC 50.326(d)(1) is amended to read:

(1) an **emissions** [EMISSION] unit is not insignificant and must be included in an operating permit application if the **emissions** [EMISSION] unit is subject to

(A) a federal requirement adopted by reference in 18 AAC 50.040(a) -

(d);

(B) an **emissions** [EMISSION] unit-specific requirement established under

(C) a stationary source-specific or **emissions** [EMISSION] unit-specific emission limitation;

18 AAC 50.326(d)(2) is amended to read:

(2) the application must list each requirement of 18 AAC 50.040(e), 18 AAC 50.050 - 18 AAC 50.075, 18 AAC 50.085, and 18 AAC 50.090 that applies to insignificant **emissions** [EMISSION] units at the stationary source;

18 AAC 50.326(d)(3) is amended to read:

(3) the application must list each **emissions** [EMISSION] unit at the stationary source that is identified as insignificant under (e) or (g) of this section; if requested by the department, the applicant must provide sufficient documentation for the department to determine whether a source has been appropriately listed as insignificant;

...

18 AAC 50.326(d)(5) is amended to read:

(5) the application must include compliance certification based on reasonable inquiry for insignificant **emissions** [EMISSION] units; a compliance certification made during the permit term according to the schedule proposed to satisfy 40 C.F.R. 71.5(c)(9) must include insignificant **emissions** [EMISSION] units;

...

18 AAC 50.326(e) is amended to read:

(e) **Applications – insignificant emissions [EMISSION] units: emission rate basis.**

Except as provided in (d) of this section, an emissions [EMISSION] unit is insignificant based on emission rate if its actual emissions of each air pollutant are less than the rates listed in this subsection. If requested by the department, an applicant or permittee shall demonstrate that an emissions [EMISSION] unit listed as insignificant under this subsection has actual emissions less than the following rates:

...

18 AAC 50.326(f) is amended to read:

(f) **Applications – insignificant emissions [EMISSION] units: category basis.** Except as provided in (d) of this section, the following categories of emissions [EMISSION] units are insignificant:

...

18 AAC 50.326(g) is amended to read:

(g) **Applications – insignificant emissions [EMISSION] units: size or production rate basis.** Except as provided in (d) of this section, the following emissions [EMISSION] units are insignificant on the basis of size or production rate:

...

18 AAC 50.326(g)(5) is amended to read:

(5) a combustion emissions [EMISSION] unit with a rated capacity less than 4,000,000 Btu per hour exclusively using natural gas, butane, propane, or liquefied petroleum gas (LPG); emissions [EMISSION] units under this paragraph do not include internal combustion engines;



18 AAC 50.326(g)(6) is amended to read:

(6) a combustion **emissions** [EMISSION] unit with a rated capacity less than 350,000 Btu per hour using a commercial fuel containing less than 0.5 percent sulfur by weight for coal or less than 500,000 Btu per hour at one percent sulfur by weight for other fuels; **emissions** [EMISSION] units under this paragraph do not include internal combustion engines;

18 AAC 50.326(g)(7) is amended to read:

(7) a combustion **emissions** [EMISSION] unit with a rated capacity less than 1,700,000 Btu per hour using kerosene, No. 1 fuel oil, or No. 2 fuel oil; **emissions** [EMISSION] units under this paragraph do not include internal combustion engines;

18 AAC 50.326(g)(8) is amended to read:

(8) a combustion **emissions** [EMISSION] unit with a rated capacity less than 300,000 Btu per hour if burning used oil; **emissions** [EMISSION] units under this paragraph do not include internal combustion engines;

18 AAC 50.326(g)(9) is amended to read:

(9) a combustion **emissions** [EMISSION] unit with a rated capacity less than 450,000 Btu per hour if burning wood waste or waste paper; **emissions** [EMISSION] units under this paragraph do not include internal combustion engines;

...

18 AAC 50.326(h) is amended to read:

(h) **Applications – insignificant emissions [EMISSION] units: case-by-case basis.**

This subsection lists **emissions** [EMISSION] units or activities that may be insignificant on the basis of size or production rate. Insignificant **emissions** [EMISSION] units and activities listed in this subsection that are subject to a standard under 18 AAC 50.050 – 18 AAC 50.090 must be listed on the permit application. Except as provided in (d) of this section, the department may determine the following **emissions** [EMISSION] units to be insignificant on a case-by-case basis:

...

18 AAC 50.326(i) is amended to read:

(i) **Applications – insignificant emissions [EMISSION] units: administratively insignificant emissions [EMISSION] units.** The following **emissions** [EMISSION] units might have significant emissions, but are considered administratively insignificant **emissions** [EMISSION] units for the purpose of operating permit applications:

...

18 AAC 50.326(j)(5) is amended to read:

(5) notwithstanding 40 C.F.R. 71.6(b), a department term or condition is not federally enforceable unless required by the Clean Air Act **or any of its applicable requirements**; that term or condition is not subject to affected state review under 40 C.F.R. 71.8; in the permit, the department will identify each term or condition that is not federally enforceable and not subject to affected state review;

(Eff. 10/1/2004, Register 171; am 12/1/2004, Register 172; am 9/17/2011, Register 199; am 9/14/2012, Register 203; am \_\_/\_\_/\_\_\_\_, Register \_\_\_\_)

<b>Authority:</b>	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 50.345(h) is amended to read:

(h) The permittee shall allow the department or an inspector authorized by the department, upon presentation of credentials and at reasonable times with the consent of the owner or operator [TO]

(1) **to** enter upon the premises where **an emissions unit** [A SOURCE] subject to the permit is located or where records required by the permit are kept;

(2) **to** have access to and copy any records required by the permit;

(3) **to** inspect any stationary source, equipment, practices, or operations regulated by or referenced in the permit; and

(4) **to** sample or monitor substances or parameters to assure compliance with the permit or other applicable requirements.

...

18 AAC 50.345(m) is amended to read:

(m) Before conducting any source tests, the permittee shall submit a plan to the department. The plan must include the methods and procedures to be used for sampling, testing, and quality assurance and must specify how the **emissions** [EMISSION] unit will operate during the test and how the permittee will document that operation. The permittee shall submit a complete plan within 60 days after receiving a request under (k) of this section and at least 30 days before the scheduled date of any test unless the department agrees in writing to some other time period. Retesting may be done without resubmitting the plan.

(Eff. 1/18/97, Register 141; am 6/21/98, Register 146; am 5/3/2002, Register 162; am 10/1/2004, Register 171; am 11/9/2008, Register 188; am 9/14/2012, Register 203; am 8/20/2016, Register 219; am \_\_/\_\_/\_\_\_\_, Register \_\_\_\_)

**Authority:** AS 46.03.020 AS 46.14.120 AS 46.14.140  
AS 46.14.010 AS 46.14.130 AS 46.14.180  
AS 46.14.020

18 AAC 50.346(a) – (b) are amended to read:

**18 AAC 50.346. Construction and operating permits: other permit conditions. (a)**

For a construction permit or Title V permit, the department will use the standard permit condition in this subsection, unless the department determines that **emissions** [EMISSION] unit-specific or stationary source-specific conditions more adequately meet the requirements of this chapter or that no comparable condition is appropriate for the stationary source or **emissions** [EMISSION] unit. The department’s Standard Permit Condition II – Air Pollution Prohibited, as revised as of {*adoption date of the regulations*} [SEPTEMBER 27, 2010], is adopted by reference.

(b) In a Title V permit, the department will use the standard permit conditions listed in this subsection, unless the department determines that **emissions** [EMISSION] unit-specific or stationary source-specific conditions more adequately meet the requirements of this chapter or that no comparable condition is appropriate for the Title V source or **emissions** [EMISSION] unit. The following standard permit conditions prepared by the department are adopted by reference:

...

18 AAC 50.346(c) is amended to read:

(c) Unless the department determines that **emissions** [EMISSION] unit-specific or stationary source-specific conditions more adequately meet the requirements of this chapter, the department will use the standard operating permit conditions listed in Table 7 of this subsection for the respective **emissions** [EMISSION] unit or **emissions** [EMISSION] unit types identified in the table. The standard operating permit conditions listed in Table 7 are adopted by reference.

(Eff. 5/3/2002, Register 162; am 10/1/2004, Register 171; am 11/9/2008, Register 188; am 12/9/2010, Register 196; am \_\_/\_\_/\_\_\_\_, Register \_\_\_\_)

<b>Authority:</b>	AS 46.03.020	AS 46.14.120	AS 46.14.180
	AS 46.14.010	AS 46.14.130	AS 46.14.250
	AS 46.14.020	AS 46.14.140	

18 AAC 50.400(i)(4)(A)(ii) is amended to read:

(ii) that has a potential to emit a total greater than or equal to 500 tons per year of regulated air pollutants in the aggregate, and that contains **emissions** [EMISSION] units used to provide power to a mine or military base;

...

18 AAC 50.400(i)(7)(A) is amended to read:

(A) means all direct services and costs necessary to accomplish the regularly scheduled onsite or offsite review of a stationary source's **emissions** [EMISSION] units, records, and self-monitoring reports

...

18 AAC 50.400(i)(8)(A)(iii) is amended to read:

(iii) that has a potential to emit a total less than 500 tons per year

of regulated air pollutants in the aggregate, and that contains **emissions**

[EMISSION] units used to provide power to a mine or military base;

(Eff. 1/18/97, Register 141; am 6/21/98, Register 146; am 10/1/2004, Register 171; am 12/1/2004, Register 172; am 1/29/2005, Register 173; am 12/30/2007, Register 184; am 7/25/2008, Register 187; am 7/1/2010, Register 194; am 9/14/2012, Register 203; am 9/26/2015, Register 215; am \_\_/\_\_/\_\_\_\_, Register \_\_\_\_)

**Authority:** AS 37.10.050 AS 44.46.025 AS 46.14.140  
AS 37.10.052 AS 46.03.020 AS 46.14.240  
AS 37.10.058

18 AAC 50.410(d) is amended to read:

(d) For a stationary source that needs an operating permit only because that source contains an **emissions** [EMISSION] unit that is subject to a federal emission standard under 42 U.S.C. 7411 or 7412, only emissions from the **emissions** [EMISSION] unit subject to that standard are subject to emission fees under (b)(1) of this section.

(Eff. 1/18/97, Register 141; am 5/3/2002, Register 162; am 10/16/2003, Register 168; am 10/1/2004, Register 171; am 1/29/2005, Register 173; am 12/3/2005, Register 176; am 12/14/2006, Register 180; am 6/18/2009, Register 190; am 7/1/2010, Register 194; add'l am 7/1/2010, Register 194; am 9/26/2015, Register 215; am 8/20/2016, Register 219; am \_\_/\_\_/\_\_\_\_, Register \_\_\_\_)

**Authority:** AS 44.46.025 AS 46.14.140 AS 46.14.250  
AS 46.03.020

18 AAC 50.502(c)(2)(B) is amended to read:

(B) after October 1, 2004 of an **emissions** [EMISSION] unit with a rated capacity of 10 million Btu or more per hour in a sulfur dioxide special protection area established under 18 AAC 50.025(c);

•••

18 AAC 50.502(f)(1)(B) is amended to read:

(B) identification of each **emissions** [EMISSION] unit that has emissions of a regulated NSR pollutant that could be affected by the project; and

•••

18 AAC 50.502(f)(2) is amended to read:

(2) if the **emissions** [EMISSION] unit is an existing electric utility steam generating unit, before beginning actual construction, the owner or operator shall provide a copy of the information listed in (1) of this subsection to the department;

•••

18 AAC 50.502(f)(3) is amended to read:

(3) the owner or operator shall monitor the emissions of any regulated NSR pollutant that could increase as a result of the project and that is emitted by any **emissions** [EMISSION] unit identified in (1)(B) of this subsection, and shall calculate and maintain a record of the annual emissions, in tons per year on a calendar year basis, for a period of five years following resumption of regular operations after the project, or for a period of 10 years following resumption of regular operations after the project if the project increases the design capacity of or potential to emit that regulated NSR pollutant at that **emissions** [EMISSION] unit;

...

18 AAC 50.502(f)(4) is amended to read:

(4) if the **emissions** [EMISSION] unit is an existing electric utility steam generating unit, the owner or operator shall submit a report to the department within 60 days after the end of each year during which records must be generated under (3) of this subsection setting out the unit's annual emissions during the calendar year that preceded submission of the report.

...

18 AAC 50.502(h)(4) is amended to read:

(4) “projected actual emissions” means the maximum annual rate, in tons per year, at which an existing **emissions** [EMISSION] unit is projected to emit a regulated NSR pollutant in any one of the five 12-month periods following the date the unit resumes regular operation after the project, or in any one of the 10 years following that date, if the project involves increasing the emissions unit's design capacity or the potential to emit that regulated NSR pollutant and full utilization of the unit would result in an emissions increase or a net emissions increase greater than a threshold in (c)(3) of this section.

(Eff. 10/1/2004, Register 171; am 12/1/2004, Register 172; am 12/3/2005, Register 176; am 7/25/2008, Register 187; am 12/9/2010, Register 196; am 1/4/2013, Register 205; am 11/9/2014, Register 212; am 8/20/2016, Register 219; am \_\_/\_\_/\_\_\_\_, Register \_\_)

<b>Authority:</b>	AS 46.03.020	AS 46.14.120	AS 46.14.170
	AS 46.14.010	AS 46.14.130	AS 46.14.180
	AS 46.14.020	AS 46.14.140	



18 AAC 50.540(c)(1)(A) is amended to read:

(A) the ***Emissions*** [*EMISSION*] *Unit Information Form*;

...

18 AAC 50.540(c)(2) is amended to read:

(2) for a permit for construction, modification, or relocation of a stationary source, a demonstration in accordance with **18 AAC 50.215(b) – (d)** [18 AAC 50.215(b) – (e)] that the proposed potential emissions from the stationary source will not interfere with the attainment or maintenance of the ambient air quality standards, except as provided under (l) of this section; the ambient demonstration must follow an approved modeling protocol if the department requests a modeling protocol for demonstrating compliance with ambient air quality standards; unless the department has made a finding in writing that the stationary source or modification does not need an ambient analysis to determine that construction and operation will not result in a violation of an ambient air quality standard, the application must include an ambient analysis for

(Eff. 10/1/2004, Register 171; am 12/1/2004, Register 172; am 12/3/2005, Register 176; am 7/25/2008, Register 187; am 12/9/2010, Register 196; am 9/14/2012, Register 203; am 1/4/2013, Register 205; am 8/20/2016, Register 219; am \_\_/\_\_/\_\_\_\_, Register \_\_)

<b>Authority:</b>	AS 46.03.020	AS 46.14.120	AS 46.14.170
	AS 46.14.010	AS 46.14.130	AS 46.14.180
	AS 46.14.020	AS 46.14.140	

18 AC 50.542(f)(6) is amended to read:

(6) approve a minor permit for establishing or revising a PAL, if the department finds that the **emissions** [EMISSION] unit satisfies the criteria for a PAL in 40 C.F.R. 52.21(aa), adopted by reference in 18 AAC 50.040, and if the department required an ambient air quality analysis, that emissions under the PAL will not cause or contribute to a violation of an ambient air quality standard;

(Eff. 10/1/2004, Register 171; am 12/1/2004, Register 172; am 7/25/2008, Register 187; am 12/9/2010, Register 196; am 1/4/2013, Register 205; am 8/20/2016, Register 219; am \_\_/\_\_/\_\_\_\_, Register \_\_)

<b>Authority:</b>	AS 46.03.020	AS 46.14.120	AS 46.14.170
	AS 46.14.010	AS 46.14.130	AS 46.14.180
	AS 46.14.020	AS 46.14.140	AS 46.14.200

18 AAC 50.560(a) is amended to read:

**18 AAC 50.560. General minor permits.** (a) **Criteria.** The department may issue a general minor permit to allow construction or operation of stationary sources or **emissions** [EMISSION] units that

(Eff. 10/1/2004, Register 171; am \_\_/\_\_/\_\_\_\_, Register \_\_)

<b>Authority:</b>	AS 46.03.020	AS 46.14.130	AS 46.14.180
	AS 46.14.010	AS 46.14.140	AS 46.14.211
	AS 46.14.020	AS 46.14.150	AS 46.14.250
	AS 46.14.120	AS 46.14.170	

18 AAC 50.990(8)(A) is amended to read:

(A) “allowable emissions” means the emissions rate of an **emissions** [EMISSION] unit calculated considering any emission limitation that is enforceable as a practical matter on the **emissions** [EMISSION] unit’s potential to emit; and

...

18 AAC 50.990(40) is amended to read:

(40) "fugitive emissions" has the meaning given in 40 C.F.R. 51.166(b)(20), as revised as of **July 1, 2017** [JULY 1, 2012], and adopted by reference;

...

18 AAC 50.990(65) is amended to read:

(65) "open burning"

(A) means the burning of a material that results in the products of combustion being emitted directly into the ambient air without passing through a stack, flare, vent, or other opening of an **emissions** [EMISSION] unit from which an air pollutant could be emitted;

...

18 AAC 50.990(78) is amended to read:

(78) “Port of Anchorage stationary source” means a stationary source located in the Port of Anchorage that contains one or more **emissions** [EMISSION] units subject to a standard in 18 AAC 50.085 or 18 AAC 50.090;

...

18 AAC 50.990(121) is amended to read:

(121) “volatile organic compound” or “VOC” has the meaning given in 40 C.F.R. 51.100(s), as revised as of **July 1, 2017** [NOVEMBER 21, 2013], and adopted by reference;

(Eff. 1/18/97, Register 141; am 6/14/98, Register 146; am 6/21/98, Register 146; am 9/4/98, 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 9/17/2011, Register 199; am 9/14/2012, Register 203; am 10/6/2013, Register 208; am 11/9/2014, Register 212; am 2/28/2015, Register 213; am 4/17/2015, Register 214; am 3/2/2016, Register 217; am \_\_/\_\_/\_\_\_\_, Register \_\_\_\_; am \_\_/\_\_/\_\_\_\_, Register \_\_\_\_)

<b>Authority:</b>	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