

**ALASKA DEPARTMENT OF
ENVIRONMENTAL CONSERVATION**

**Standard [OPERATING]Permit Condition VIII –
Visible Emissions and Particulate Matter
Monitoring Plan for Gas[-FIRED] Fuel-Burning
Equipment**

**Permit Condition for Air Quality Permits
Adopted by Reference in 18 AAC 50.346**

April 1, 2002

Revised {*adoption date of regulations*} [August 25, 2004]

Standard [OPERATING]Permit Condition VIII –Visible Emissions and Particulate Matter Monitoring Plan for Gas[-FIRED] Fuel-Burning Equipment

Emissions [EMISSION] Unit or Stationary Source Categories This Condition Applies to: Gas[-Fired] fuel-burning equipment subject to the opacity standard of 18 AAC 50.055(a)(1), except flares.

Per Department Policy and Procedure No. 04.02.103 (June 21, 2012) Topic 4, “gas fuel” covered by this SPC includes:

- 1. gas from an oil & gas bearing geologic formation when the gas is conditioned to remove water vapor and liquids (either generated at the regulated facility or a nearby facility under the same or different ownership),**
- 2. pipeline quality natural gas, or**
- 3. facility process gas at an oil & gas processing facility, not including refinery gas.**

It does not include gas burned in a process or emergency flare.

The **Department** [DEPARTMENT] will use **Standard Permit Condition (SPC)** [STANDARD OPERATING PERMIT CONDITION] VIII in any operating permit unless the **Department** [DEPARTMENT] determines that emission unit- or stationary source-specific conditions more adequately meet the requirements of 18 AAC 50.

Circumstances where emission unit- or stationary source- specific conditions more adequately meet 18 AAC 50 include:

1. if the **Department** [DEPARTMENT] finds that equipment may not adequately eliminate entrained liquid **from the gas fuel.**

Permit Wording:

1. **Industrial Process and Fuel-Burning Equipment Visible Emissions.** The **Permittee** [PERMITTEE] shall not cause or allow visible emissions, excluding condensed water vapor, emitted from **EU ID(s)** < *insert EU ID numbers* [IDENTIFY EMISSION UNITS]> **listed in Table** < *insert Table of Emissions Unit Inventory* > to reduce visibility through the exhaust effluent by more than 20 percent averaged over any six consecutive minutes.

[18 AAC 50.040(j)(4), 50.055(a)(1), 50.326(j)(3) & 50.346(c)]
[40 C.F.R. 71.6(a)(1)]

[1.1 MONITORING, RECORD KEEPING, AND REPORTING.]

1.1 For EU ID(s) <insert EU ID numbers of gas fuel-burning equipment>, burn only gas as fuel. Monitoring for these emissions units shall consist of a statement in each operating report under Condition <insert cross reference to SPC VII - Operating Reports> indicating whether each of these emissions units burned only gas during the period covered by the report. Report under Condition <insert cross reference to SPC III - Excess Emissions and Permit Deviation Reports> if any fuel other than gas is burned.

[18 AAC 50.040(j)(4), 50.326(j)(3), & 50.346(c)]
[40 C.F.R. 71.6(a)(3)]

[

- a. THE PERMITTEE SHALL USE ONLY GAS AS FUEL IN EMISSION UNITS <EMISSION UNIT CITATIONS>. THE PERMITTEE SHALL CERTIFY IN EACH OPERATING REPORT REQUIRED UNDER CONDITION <INSERT CROSS REFERENCE TO STANDARD PERMIT CONDITION VII - OPERATING REPORTS> THAT THE EMISSION UNIT BURNED ONLY GAS.
- b. THE PERMITTEE SHALL REPORT UNDER CONDITION <INSERT CROSS REFERENCE TO STANDARD PERMIT CONDITION III - EXCESS EMISSIONS AND PERMIT DEVIATION REPORTS> IF ANY FUEL IS BURNED OTHER THAN GAS.]

2. Industrial Process and Fuel-Burning Equipment Particulate Matter Emissions. [IN ACCORDANCE WITH 18 AAC 50.055(B)(1), THE] The Permittee [PERMITTEE] shall not cause or allow particulate matter emitted from EU ID(s) <insert EU ID numbers of gas fuel-burning equipment [IDENTIFY EMISSION UNITS]> listed in Table <insert reference to Table of Emissions Unit Inventory> to exceed 0.05 grains per cubic foot of exhaust gas corrected to standard conditions and averaged over three hours.

[18 AAC 50.040(j)(4), 50.055(b)(1), 50.326(j)(3) & 50.346(c)]
[40 C.F.R. 71.6(a)(1)]

2.1 [MONITORING, RECORD KEEPING, AND REPORTING.] For EU ID(s) <insert EU ID numbers of gas fuel-burning equipment>, the [The] Permittee [PERMITTEE] shall comply with Condition [CONDITION VIII.] 1.1.

[18 AAC 50.040(j)(4), 50.326(j)(3), & 50.346(c)]
[40 CFR 71.6(a)(3)]