

**ALASKA DEPARTMENT OF ENVIRONMENTAL  
CONSERVATION**

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

**Permit Condition for Air Quality Permits**

**Adopted by Reference in 18 AAC 50.346**

**April 1, 2002**

**Revised July 22, 2020**

# Standard Permit Condition VIII –Visible Emissions and Particulate Matter Monitoring Plan for Gas Fuel-Burning Equipment

**Emissions Unit or Stationary Source Categories This Condition Applies to:** Gas fuel-burning equipment subject to the visible emissions 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 will use Standard Permit Condition (SPC) VIII in any operating permit unless the 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 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 shall not cause or allow visible emissions, excluding condensed water vapor, emitted from EU ID(s) <insert EU ID numbers> 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 For EU ID(s) <insert EU ID numbers of gas fuel-burning equipment>, burn only gas as fuel.
- 1.2 In each operating report under Condition <insert cross reference to SPC VII - Operating Reports>, indicate whether each of these emissions units burned only gas during the period covered by the report.

1.3 Report under Condition *<insert cross reference to SPC III - Excess Emissions and Permit Deviation Reports>* if any fuel other than gas is burned in any of these emissions units.

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

**2. Industrial Process and Fuel-Burning Equipment Particulate Matter Emissions.** The Permittee shall not cause or allow particulate matter emitted from EU ID(s) *<insert EU ID numbers of gas fuel-burning equipment>* 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 For EU ID(s) *<insert EU ID numbers of gas fuel-burning equipment>*, the Permittee shall comply with Condition 1.1 through 1.3.

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