

# **DEPARTMENT OF ENVIRONMENTAL CONSERVATION**

## **AIR QUALITY OPERATING PERMIT**

Permit No. AQ0326TVP04

Public Comment - February 1, 2022

Expiration Date: [Five Years]

The Alaska Department of Environmental Conservation, under the authority of AS 46.14 and 18 AAC 50, issues an operating permit to the Permittee, Hilcorp Alaska LLC., for the operation of the Granite Point Tank Farm.

This permit satisfies the obligation of the owner and operator to obtain an operating permit as set out in AS 46.14.130(b).

As set out in AS 46.14.120(c), the Permittee shall comply with the terms and conditions of this operating permit.

Citations listed herein are contained within the effective version of 18 AAC 50 at permit issuance. All federal regulation citations are from those sections adopted by reference in this version of regulation in 18 AAC 50.040 unless otherwise specified.

Upon effective date of this permit, Operating Permit No. AQ0326TVP03 expires.

This Operating Permit becomes effective <insert date—30 days after issue date>.

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James R. Plosay, Manager  
Air Permits Program

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## Abbreviations and Acronyms

AAC.....	Alaska Administrative Code	MR&R.....	monitoring, recordkeeping, and reporting
ADEC .....	Alaska Department of Environmental Conservation	NAICS.....	North American Industrial Classification System
Administrator.....	EPA and the Department.	NESHAP .....	National Emission Standards for Hazardous Air Pollutants [as contained in 40 C.F.R. 61 and 63]
AOS .....	Air Online Services	NH <sub>3</sub> .....	ammonia
AS .....	Alaska Statutes	NO <sub>x</sub> .....	nitrogen oxides
ASTM.....	American Society for Testing and Materials	N <sub>2</sub> O.....	Nitrous Oxide
BACT .....	best available control technology	NSPS .....	New Source Performance Standards [as contained in 40 C.F.R. 60]
bHp .....	brake horsepower	O & M .....	operation and maintenance
CDX.....	Central Data Exchange	O <sub>2</sub> .....	oxygen
CEDRI .....	Compliance and Emissions Data Reporting Interface	PAL .....	plantwide applicability limitation
C.F.R. ....	Code of Federal Regulations	Pb .....	lead
CAA or The Act	Clean Air Act	PM.....	particulate matter
CO .....	carbon monoxide	PM <sub>10</sub> .....	particulate matter less than or equal to a nominal 10 microns in diameter
CO <sub>2</sub> e .....	CO <sub>2</sub> -equivalent	PM <sub>2.5</sub> .....	particulate matter less than or equal to a nominal 2.5 microns in diameter
Department .....	Alaska Department of Environmental Conservation	ppm .....	parts per million
dscf .....	dry standard cubic foot	ppmv, ppmvd .....	parts per million by volume on a dry basis
EPA .....	US Environmental Protection Agency	psia .....	pounds per square inch (absolute)
EU.....	emissions unit	PSD .....	prevention of significant deterioration
EU ID .....	emissions unit identification number	PTE .....	potential to emit
GACT .....	Generally Available Control Technology	SIC. ....	Standard Industrial Classification
GAPCP .....	Good Air Pollution Control Practice	SIP .....	State Implementation Plan
GHG .....	Greenhouse Gas	SPC .....	Standard Permit Condition
gr/dscf.....	grain per dry standard cubic foot (1 pound = 7000 grains)	SO <sub>2</sub> .....	sulfur dioxide
gph.....	gallons per hour	tph .....	tons per hour
HAPs .....	hazardous air pollutants [as defined in AS 46.14.990]	TPY .....	tons per year
Hp .....	horsepower	VOC .....	volatile organic compound [as defined in 40 C.F.R. 51.100(s)]
kPa.....	kiloPascals	VOL .....	volatile organic liquid [as defined in 40 C.F.R. 60.111b, Subpart Kb]
LAER.....	lowest achievable emission rate	vol% .....	volume percent
MACT .....	maximum achievable control technology [as defined in 40 C.F.R. 63]	wt% .....	weight percent
MMBtu/hr.....	million British thermal units per hour	wt% <sub>S<sub>fuel</sub></sub> .....	weight percent of sulfur in fuel
MMscf .....	million standard cubic feet		

## ***Section 1. Stationary Source Information***

### **Identification**

Permittee:	Hilcorp Alaska LLC. 3800 Centerpoint Drive, Suite 1400 Anchorage, AK Zip 99503	
Stationary Source Name:	Granite Point Tank Farm	
Location:	60° 01' North; 151° 26' West	
Physical Address:	Upper Cook Inlet AK	
Owner:	Hilcorp Alaska, LLC 3800 Centerpoint Drive, Suite 1400 Anchorage, AK 99503	
Operator:	Hilcorp Alaska, LLC 3800 Centerpoint Drive, Suite 1400 Anchorage, AK 99503	
Permittee's Responsible Official:	David S. Wilkins, Senior Vice President 3800 Centerpoint Dr. Suite Anchorage, AK 99503	
Designated Agent:	CT Corporation System 9360 Glacier Highway, Suite 202 Juneau, AK 99801	
Stationary Source and Building Contact:	David S. Wilkins, Senior Vice President 3800 Centerpoint Dr. Suite 1400 Anchorage, AK 99503 (907) 777 - 8397 <a href="mailto:dwilkins@hilcorp.com">dwilkins@hilcorp.com</a>	
Fee Contact:	David S. Wilkins, Senior Vice President 3800 Centerpoint Drive, Suite 1400 City, State Zip Code (907) 777 - 8397 <a href="mailto:dwilkins@hilcorp.com">dwilkins@hilcorp.com</a>	
Permit Contact:	David S. Wilkins, Senior Vice President 3800 Centerpoint Drive, Suite 1400 City, State Zip Code (907) 777 - 8397 <a href="mailto:dwilkins@hilcorp.com">dwilkins@hilcorp.com</a>	
Process Description:	SIC Code	1311 - Crude Petroleum and Natural Gas
	NAICS Code:	211111 - Crude Petroleum and Natural Gas Extraction

[18 AAC 50.040(j)(3) & 50.326(a)]  
[40 C.F.R. 71.5(c)(1) & (2)]

## ***Section 2. Emissions Unit Inventory and Description***

Emissions units (EUs) listed in Table A have specific monitoring, recordkeeping, or reporting conditions in this permit. Emissions unit descriptions and ratings are given for identification purposes only.

**Table A - Emissions Unit Inventory**

<b>EU ID</b>	<b>Emissions Unit Name</b>	<b>Emissions Unit Description</b>	<b>Rating/Size</b>	<b>Installation or Construction Date</b>
1	Natural Gas Heater	NATCO Line Heater	5.25 MMBtu/hr	1967
2	Natural Gas Heater	Line Heater	5.63 MMBtu/hr	1967
3	Generator Set	Solar Saturn Turbine 1021S-53	800kW	1977/1995 <sup>1</sup>
4	Generator Set	Solar Saturn Turbine 1021S-53	800kW	1977/1995 <sup>1</sup>
5	Generator Set	Solar Saturn Turbine 1021S-53	800kW	1977/1995 <sup>1</sup>
6	Glycol Regenerator	TEG Dehydration Unit	10 MMscfd	1995
7	Tank 101	Crude Oil Tank	406,065 gallons	2007
8	Tank 102	Crude Oil Tank	394,785 gallons	Pre-June 11, 1973
9	Tank 103	Crude Oil Tank	554,955 gallons	Pre-June 11, 1973
10	Tank 104	Crude Oil Tank	406,065 gallons	2010
11	Tank 105	Crude Oil Tank	107,068 gallons	1997
12	Flare <sup>2</sup>	GBA-Corona, CAF-15 Air Assisted Flare	15.2 MMscfd	November 22, 2010

Notes:

1 This unit was constructed in 1977 and relocated to the Granite Point Tank Farm in 1995.

2. The emission units that vent to the flare are the emission units within the Chakachatna and Granite Point crude oil/water separation processes, i.e., the heater treaters and coalescer pressure vessels that are used to separate crude oil-water emulsion.

[18 AAC 50.326(a)]  
[40 C.F.R. 71.5(c)(3)]

### ***Section 3. State Requirements***

#### **Visible Emissions Standard**

- 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 IDs *1 through 6, and 12* listed in Table A 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)]

- 1.1. For EU IDs *1 through 5*, burn only gas as fuel. In each operating report under Condition 47 indicate whether each of these emissions units burned only gas during the period covered by the report. Report under Condition 46 if any fuel other than gas is burned in any of these emissions units.

- 1.2. For EU ID *12*, monitor, record and report in accordance with Condition 2.

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

*Flares (EU ID 12)*

#### **Visible Emissions Monitoring, Recordkeeping, and Reporting (MR&R)**

- 2. Visible Emissions MR&R.** The Permittee shall monitor, record, and report as follows:

- 2.1. Observe flare events<sup>1</sup> on EU ID 12, for visible emissions following 40 C.F.R. 60, Appendix A-4, Method 9 for 18 minutes to obtain 72 consecutive 15-second opacity observations according to the following schedule
- a. Conduct subsequent visible emissions observations within 14 months of, but not earlier than three months after, the preceding flare event visible emissions observation.
  - b. If there are no flare events that meet the requirements of Condition 2.1.a, the Permittee shall observe the next daylight flare event.
- 2.2. Record the following information for observed flare event:
- a. the flare EU ID number;
  - b. results of the Method-9 observations;
  - c. reason for flaring;
  - d. date, beginning and ending time of event; and

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<sup>1</sup> For purposes of this permit, a “*flare event*” is flaring of gas during daylight for greater than one hour as a result of scheduled release operations; i.e., maintenance or well testing activities. It does not include non-scheduled release operations; i.e., process upsets, emergency flaring, or de-minimis venting of gas incidental to normal operations.

- e. volume of gas flared.
- 2.3. The records required by Condition 2.2 may be kept in electronic format.
- 2.4. Monitoring of a flare event may be postponed for safety or weather reasons, or because a qualified observer is not available.
- 2.5. Include the following in the operating report required by Condition 47 for the period covered by the report:
  - a. copies of the records required by Condition 2.2; and
  - b. if an annual flare event observation required by Condition 2.1.a has not been fulfilled for the year and/or monitoring of a flare event is postponed, an explanation of the reason the event was not monitored.
- 2.6. Report under Condition 46
  - a. whenever the visible emissions standard in Condition 1 is exceeded; or
  - b. the monitoring required under Condition 2.1 is not completed, except as allowed under Condition 2.4.
- 2.7. If no flare events are monitored during a certification period, the Permittee shall certify compliance under Condition 48 with the visible emissions standard in Condition 1 based on reasonable inquiry.

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

### Particulate Matter (PM) Emissions Standard

- 3. Industrial Process and Fuel-Burning Equipment PM Emissions.** The Permittee shall not cause or allow particulate matter emitted from EU IDs *1 through 5* and *12* listed in Table A 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)]

- 3.1. For EU IDs 1 through 5, burn only gas as fuel. Monitoring for these emission units shall consist of a statement in each operating report under Condition 47 whether each of these emission units fired only gas during the period covered by the report. Report under Condition 46 if any fuel other than gas is burned.
- 3.2. For EU ID 12, the Permittee must annually certify compliance under Condition 48 with the particulate matter standard.

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

## Sulfur Compound Emissions Standard

4. **Sulfur Compound Emissions.** The Permittee shall not cause or allow sulfur compound emissions, expressed as SO<sub>2</sub>, from EU IDs 1 through 5, and 12 to exceed 500 ppm averaged over three hours.

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

## Sulfur Compound MR&R

### *Fuel Gas (EU IDs 1 through 5, and 12)*

5. **Sulfur Compound Monitoring.** The Permittee shall either
- 5.1. obtain a semiannual statement from the fuel supplier of the fuel total sulfur level in ppm; or
  - 5.2. analyze a representative sample of the fuel semiannually to determine the sulfur content using either ASTM D4084, D5504, D4810, D4913, D6228 or GPA Standard 2377, or other listed method approved in 18 AAC 50.035(b)-(c) or 40 C.F.R. 60.17 incorporated by reference in 18 AAC 50.040(a)(1).
6. **Sulfur Compound Recordkeeping.** The Permittee shall keep records of the semiannual statement from the fuel supplier or the sulfur content analysis required under Conditions 5.1 or 5.2.
7. **Sulfur Compound Reporting.** The Permittee shall report as follows:
- 7.1. Report as excess emissions, in accordance with Condition 46, whenever the fuel combusted causes sulfur compound emissions to exceed the standard of Condition 4.
  - 7.2. Include copies of the records required by Condition 6 with the operating report required by Condition 47 for the period covered by the report.

[18 AAC 50.040(j)(4) & 50.326(j)(4)]  
[40 C.F.R. 71.6(a)(3) & (c)(6)]

## Insignificant Emissions Units

8. For emissions units at the stationary source that are insignificant as defined in 18 AAC 50.326(d) – (i) that are not listed in this permit, the following apply:
- 8.1. **Visible Emissions Standard:** The Permittee shall not cause or allow visible emissions, excluding condensed water vapor, emitted from an industrial process or fuel-burning equipment, or an incinerator to reduce visibility through the exhaust effluent by more than 20 percent averaged over any six consecutive minutes.
  - 8.2. **Particulate Matter Standard:** The Permittee shall not cause or allow particulate matter emitted from an industrial process or fuel-burning equipment to exceed 0.05 grains per cubic foot of exhaust gas corrected to standard conditions and averaged over three hours.

[18 AAC 50.055(b)(1)]



- 8.3. **Sulfur Compound Standard:** The Permittee shall not cause or allow sulfur compound emissions, expressed as SO<sub>2</sub>, from an industrial process or fuel-burning equipment, to exceed 500 ppm averaged over three hours.

[18 AAC 50.055(c)]

- 8.4. **General MR&R for Insignificant Emissions Units:** The Permittee shall comply with the following:

- a. Submit the compliance certifications of Condition 48 based on reasonable inquiry;
- b. Comply with the requirements of Condition 29;
- c. Report in the operating report required by Condition 47 if an emissions unit has historically been classified as insignificant because of actual emissions less than the thresholds of 18 AAC 50.326(e) and current actual emissions have become greater than any of those thresholds; and
- d. No other monitoring, recordkeeping or reporting is required for insignificant emissions units to demonstrate compliance with the emissions standards under Conditions 8.1, 8.2, and 8.3.

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

## ***Section 4. Federal Requirements***

### **40 C.F.R. Part 63 National Emission Standards for Hazardous Air Pollutants (NESHAP)**

- 9. NESHAP Subpart A – General Provisions.** For EU ID 6, the Permittee shall comply with the applicable requirements of 40 C.F.R 63 Subpart A in accordance with the provisions for applicability of Subpart A in Table 2 to NESHAP Subpart HH.

[18 AAC 50.040(j) & 50.326(j)]

[40 C.F.R 71.6(a)(1)]

[40 C.F.R 63.764(a) & Table 2, Subpart HH]

### **40 C.F.R 63 Subpart**

- 10. NESHAP Subpart HH Applicability.** For EU ID 6, the Permittee shall comply with the following applicable requirements of NESHAP Subpart HH.

- 10.1. The owner or operator shall maintain records of the annual facility natural gas or hydrocarbon liquid throughout each year and upon request submit such records to the EPA Administrator and Department. If the facility annual natural gas or hydrocarbon liquid throughput increases above the maximum natural gas or hydrocarbon liquid throughput calculated in 40 C.F.R 63.760(a)(1)(i)(A) or (a)(1)(i)(B), the maximum natural gas or hydrocarbon liquid throughput must be recalculated using the higher throughput multiplied by a factor of 1.2.

[18 AAC 50.040(j) & 50.326(j)]

[40 C.F.R 71.6(a)(1)]

[40 C.F.R 63.764(a) & Table 2, Subpart HH]

- 10.2. Any source that determines it is not a major source but has actual emissions of 5 tons per year or more of a single HAP, or 12.5 tons per year or more of a combination of HAP (i.e., 50 percent of the major source thresholds), shall update its major source determination within 1 year of the prior determination or October 15, 2012, whichever is later, and each year thereafter, using gas composition data measured during the preceding 12 months.

[40 C.F.R 71.6(a)(1)]

[40 C.F.R 63.760(c), Subpart HH]

- 11. NESHAP Subpart HH General Standards.** The Permittee shall comply with the following:

- 11.1. Each owner or operator of an area source not located in a UA offset and UC boundary (as defined in 40 C.F.R 63.761) shall comply with Conditions 11.1.a through 11.1.c

[40 C.F.R 71.6(a)(1)]

[40 C.F.R 63.764(d)(2), Subpart HH]

- a. Determine the optimum glycol circulation rate using the equation in 40 C.F.R 63.764(d)(2)(i).

- b. Operate the TEG dehydration unit such that the actual glycol circulation rate does not exceed the optimum glycol circulation rate determined in accordance with Condition 11.1.a. If the TEG dehydration unit is unable to meet the sales gas specification for moisture content using the glycol circulation rate determined in accordance with Condition 11.1.a, the owner or operator must calculate an alternate circulation rate using GRI-GLYCalc™, Version 3.0 or higher. The owner or operator must document why the TEG dehydration unit must be operated using the alternate circulation rate and submit this documentation with the initial notification in accordance with 40 C.F.R 63.775(c)(7).
- c. Maintain a record of the determination specified in Condition 11.1.b in accordance with the requirements in Condition 11.2 and submit the Initial Notification in accordance with the requirements in 40 C.F.R 63.775(c)(7). If operating conditions change and a modification to the optimum glycol circulation rate is required, the owner or operator shall prepare a new determination in accordance with Condition 11.1.a or 11.1.b and submit the information specified under 40 C.F.R 63.775(c)(7)(ii) through (v).

[40 C.F.R 71.6(a)(3)]

[40 C.F.R 63.764(d)(2)(i) through (iii), Subpart HH]

- 11.2. The owner or operator of an area source is exempt from the requirements of Condition 11.1 if the criteria listed in Condition 11.2.a or 11.2.b are met, except that the records of the determination of these criteria must be maintained as required in Condition 13.3.

[40 C.F.R 71.6(a)(1)]

[40 C.F.R 63.764(e), Subpart HH]

- a. The actual annual average flowrate of natural gas to the glycol dehydration unit is less than 85 thousand standard cubic meters per day, as determined by the procedures specified in Condition 12.1; or
- b. The actual average emissions of benzene from the glycol dehydration unit process vent to the atmosphere are less than 0.90 megagram per year, as determined by the procedures specified in Condition 12.2.

[40 C.F.R 71.6(a)(3)]

[40 C.F.R 63.764(e)(1)(i) & (ii), Subpart HH]

- 11.3. At all times the owner or operator must operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.

[40 C.F.R 71.6(a)(1)]

[40 C.F.R 63.764(j), Subpart HH]

**12. NESHAP Subpart HH Test Methods, Compliance Procedures, and Compliance**

**Demonstrations.** For EU ID 6, the Permittee shall comply with the following requirements:

- 12.1. The determination of actual flowrate of natural gas to a glycol dehydration unit shall be made using the procedures of either 40 C.F.R 63.772(b)(1)(i) or (b)(1)(ii).
- 12.2. The determination of actual average benzene or BTEX emissions from a glycol dehydration unit shall be made using the procedures of either 40 C.F.R 63.772(b)(2)(i) or (b)(2)(ii). Emissions shall be determined either uncontrolled, or with federally enforceable controls in place.

[[40 C.F.R 71.6(a)(3)]  
[40 C.F.R 63.772(b)(1) & (2), Subpart HH]

**13. NESHAP Subpart HH Recordkeeping Requirements.** For EU ID 6, the Permittee shall maintain the records as follows:

[40 C.F.R 71.6(a)(3)(ii)]  
[40 C.F.R 63.774(b), Subpart HH]

- 13.1. The owner or operator of an affected source subject to the provisions of NESHAP Subpart HH shall maintain files of all information (including all reports and notifications) required by NESHAP Subpart HH. The files shall be retained for at least 5 years following the date of each occurrence, measurement, maintenance, corrective action, report or period.

[40 C.F.R 63.774(b)(1), Subpart HH]

- a. All applicable records shall be maintained in such a manner that they can be readily accessed.
- b. The most recent 12 months of records shall be retained on site or shall be accessible from a central location by computer or other means that provides access within 2 hours after a request.
- c. The remaining 4 years of records may be retained offsite.
- d. Records may be maintained in hard copy or computer-readable form including, but not limited to, on paper, microfilm, computer, floppy disk, magnetic tape, or microfiche.

[40 C.F.R 63.774(b)(1)(i) through (iv), Subpart HH]

- 13.2. Records specified in 40 C.F.R 63.10(b)(2).

[40 C.F.R 63.774(b)(2), Subpart HH]

- 13.3. An owner or operator of a glycol dehydration unit that meets the exemption criteria in Condition 11.2.a or 11.2.b shall maintain the records specified in Condition 13.3.a or 13.3.b, as appropriate, for that glycol dehydration unit.

[40 C.F.R 71.6(a)(3)(ii)]  
[40 C.F.R 63.774(d)(1), Subpart HH]

- a. The actual annual average natural gas throughput (in terms of natural gas flowrate to the glycol dehydration unit per day) as determined in accordance with Condition 12.1, or
- b. The actual average benzene emissions (in terms of benzene emissions per year) as determined in accordance with Condition 12.2.

[40 C.F.R. 63.774(d)(1)(i) & (ii), Subpart HH]

- 13.4. The owner or operator of an area source not located within a UA plus offset and UC boundary must keep a record of the calculation used to determine the optimum glycol circulation rate in accordance with Condition 11.1.a or 11.1.b, as applicable.

[40 C.F.R. 71.6(a)(3)(ii)]

[40 C.F.R. 63.774(f), Subpart HH]

#### **40 C.F.R. Part 61 National Emission Standards for Hazardous Air Pollutants (NESHAP)**

- 14. Subpart A – General Provisions & Subpart M – Asbestos.** The Permittee shall comply with the applicable requirements set forth in 40 C.F.R. 61.145, 61.150, and 61.152 of Subpart M, and the applicable sections set forth in 40 C.F.R. 61, Subpart A and Appendix A.

[18 AAC 50.040(b)(1) & (2)(F), & 50.326(j)]

[40 C.F.R. 61, Subparts A & M, and Appendix A]

#### **40 C.F.R. Part 82 Protection of Stratospheric Ozone**

- 15. Subpart F – Recycling and Emissions Reduction.** The Permittee shall comply with the applicable standards for recycling and emission reduction of refrigerants set forth in 40 C.F.R. 82, Subpart F.

[18 AAC 50.040(d) & 50.326(j)]

[40 C.F.R. 82, Subpart F]

- 16. Subpart G – Significant New Alternatives.** The Permittee shall comply with the applicable prohibitions set out in 40 C.F.R. 82.174 (Protection of Stratospheric Ozone Subpart G – Significant New Alternatives Policy Program).

[18 AAC 50.040(d) & 50.326(j)]

[40 C.F.R. 82.174(b) through (d), Subpart G]

- 17. Subpart H – Halons Emissions Reduction.** The Permittee shall comply with the applicable prohibitions set out in 40 C.F.R. 82.270 (Protection of Stratospheric Ozone Subpart H – Halon Emission Reduction).

[18 AAC 50.040(d) & 50.326(j)]

[40 C.F.R. 82.270(b) through (f), Subpart H]

#### **NESHAP Applicability Determination Requirements**

- 18.** The Permittee shall determine rule applicability and designation of affected sources under National Emission Standards for Hazardous Air Pollutants (NESHAP) for Source Categories (40 C.F.R. 63) in accordance with the procedures described in 40 C.F.R. 63.1(b).

- 18.1. If an owner or operator of a stationary source who is in the relevant source category determines that the source is not subject to a relevant standard or other requirement established under 40 C.F.R. 63, the owner or operator must keep a record as specified in 40 C.F.R. 63.10(b)(3).
- 18.2. If a source becomes affected by an applicable subpart of 40 C.F.R. 63, the owner or operator shall comply with such standard by the compliance date established by the Administrator in the applicable subpart, in accordance with 40 C.F.R. 63.6(c).
- 18.3. After the effective date of any relevant standard promulgated by the Administrator under this part, an owner or operator who constructs a new affected source that is not major-emitting or reconstructs an affected source that is not major-emitting that is subject to such standard, or reconstructs a source such that the source becomes an affected source subject to the standard, must notify the Administrator and the Department of the intended construction or reconstruction. The notification must be submitted in accordance with the procedures in 40 C.F.R. 63.9(b).

[18 AAC 50.040(c)(1), 50.040(j), & 50.326(j)]

[40 C.F.R. 71.6(a)(3)(ii)]

[40 C.F.R. 63.1(b), 63.5(b)(4), 63.6(c)(1), 63.9(b), & 63.10(b)(3), Subpart A]

## ***Section 5. General Conditions***

### **Standard Terms and Conditions**

- 19.** Each permit term and condition is independent of the permit as a whole and remains valid regardless of a challenge to any other part of the permit.

[18 AAC 50.326(j)(3) and 50.345(a) & (e)]

- 20.** The permit may be modified, reopened, revoked and reissued, or terminated for cause. A request by the Permittee for modification, revocation and re-issuance, or termination or a notification of planned changes or anticipated noncompliance does not stay any permit condition.

[18 AAC 50.326(j)(3) and 50.345(a) & (f)]

- 21.** The permit does not convey any property rights of any sort, nor any exclusive privilege.

[18 AAC 50.326(j)(3) and 50.345(a) & (g)]

- 22. Administration Fees.** The Permittee shall pay to the Department all assessed permit administration fees. Administration fee rates are set out in 18 AAC 50.400-403.

[18 AAC 50.326(j)(1), 50.400, and 50.403]  
[AS 37.10.052(b) and AS 46.14.240]

- 23. Assessable Emissions.** For each period from July 1 through the following June 30, the Permittee shall pay to the Department an annual emission fee based on the stationary source's assessable emissions, as determined by the Department under 18 AAC 50.410. The Department will assess fees per ton of each air pollutant that the stationary source emits or has the potential to emit in quantities 10 tons per year or greater. The quantity for which fees will be assessed is the lesser of the stationary source's:

23.1. potential to emit of 196 TPY; or

23.2. projected annual rate of emissions, in TPY, based upon actual annual emissions for the most recent calendar year, or another 12-month period approved in writing by the Department, when demonstrated by credible evidence of actual emissions, based upon the most representative information available from one or more of the following methods:

- a. an enforceable test method described in 18 AAC 50.220;
- b. material balance calculations;
- c. emission factors from EPA's publication AP-42, Vol. I, adopted by reference in 18 AAC 50.035; or
- d. other methods and calculations approved by the Department, including appropriate vendor-provided emissions factors when sufficient documentation is provided.

[18 AAC 50.040(j)(4), 50.035, 50.326(j)(1) & (3), 50.346(b)(1), 50.410, & 50.420]

- 24. Assessable Emission Estimates.** The Permittee shall comply as follows:

- 24.1. No later than March 31 of each year, the Permittee may submit an estimate of the stationary source's assessable emissions as determined in Condition 23.2. Submit actual emissions estimates in accordance with the submission instructions on the Department's Standard Permit Conditions web page at <http://dec.alaska.gov/air/air-permit/standard-conditions/standard-condition-i-submission-instructions/>.
- 24.2. The Permittee shall include with the assessable emissions report all of the assumptions and calculations used to estimate the assessable emissions in sufficient detail so the Department can verify the estimates.
- 24.3. If no estimate or waiver letter is submitted on or before March 31st of each year, emission fees for the next fiscal year will be based on the potential to emit in Condition 23.1.

[18 AAC 50.040(j)(4), 50.326(j)(1) & (3), 50.346(b)(1), 50.410, & 50.420]

**25. Good Air Pollution Control Practice.** The Permittee shall do the following for EU IDs 1 through 5 and 7 through 12:

- 25.1. perform regular maintenance considering the manufacturer's or the operator's maintenance procedures;
- 25.2. keep records of any maintenance that would have a significant effect on emissions; the records may be kept in electronic format; and
- 25.3. keep a copy of either the manufacturer's or the operator's maintenance procedures.

[18 AAC 50.030, 50.326(j)(3), & 50.346(b)(5)]

**26. Dilution.** The Permittee shall not dilute emissions with air to comply with this permit. Monitoring shall consist of an annual certification that the Permittee does not dilute emissions to comply with this permit.

[18 AAC 50.045(a)]

**27. Reasonable Precautions to Prevent Fugitive Dust.** A person who causes or permits bulk materials to be handled, transported, or stored, or who engages in an industrial activity or construction project shall take reasonable precautions to prevent particulate matter from being emitted into the ambient air.

27.1. The Permittee shall keep records of:

- a. complaints received by the Permittee and complaints received by the Department and conveyed to the Permittee; and
- b. any additional precautions that are taken
  - (i) to address complaints described in Condition 27.1.a or to address the results of Department inspections that found potential problems; and
  - (ii) to prevent future dust problems.



27.2. The Permittee shall report according to Condition 29.3.

[18 AAC 50.045(d), 50.326(j)(3), and 50.346(c)]

**28. Stack Injection.** The Permittee shall not release materials other than process emissions, products of combustion, or materials introduced to control pollutant emissions from a stack at a stationary source constructed or modified after November 1, 1982, except as authorized by a construction permit, Title V permit, or air quality control permit issued before October 1, 2004.

[18 AAC 50.055(g)]

**29. Air Pollution Prohibited.** No person may permit any emission which is injurious to human health or welfare, animal or plant life, or property, or which would unreasonably interfere with the enjoyment of life or property.

[18 AAC 50.040(j)(4), 50.110, 50.326(j)(3), and 50.346(a)]  
[40 C.F.R. 71.6(a)(3)]

29.1. **Monitoring.** The Permittee shall monitor as follows:

- a. As soon as practicable after becoming aware of a complaint that is attributable to emissions from the stationary source, the Permittee shall investigate the complaint to identify emissions that the Permittee believes have caused or are causing a violation of Condition 29.
- b. The Permittee shall initiate and complete corrective action necessary to eliminate any violation identified by a complaint or investigation as soon as practicable if
  - (i) after an investigation because of a complaint or other reason, the Permittee believes that emissions from the stationary source have caused or are causing a violation of Condition 29; or
  - (ii) the Department notifies the Permittee that it has found a violation of Condition 29.

29.2. **Recordkeeping.** The Permittee shall keep records of

- a. the date, time, and nature of all emissions complaints received;
- b. the name of the person or persons that complained, if known;
- c. a summary of any investigation, including reasons the Permittee does or does not believe the emissions have caused a violation of Condition 29; and
- d. any corrective actions taken or planned for complaints attributable to emissions from the stationary source.

29.3. **Reporting.** The Permittee shall report as follows:

- a. With each stationary source operating report under Condition 47, the Permittee shall include a brief summary report which must include the following for the period covered by the report:

- (i) the number of complaints received;
  - (ii) the number of times the Permittee or the Department found corrective action necessary;
  - (iii) the number of times action was taken on a complaint within 24 hours; and
  - (iv) the status of corrective actions the Permittee or Department found necessary that were not taken within 24 hours.
- b. The Permittee shall notify the Department of a complaint that is attributable to emissions from the stationary source within 24 hours after receiving the complaint, unless the Permittee has initiated corrective action within 24 hours of receiving the complaint.
  - c. If emissions present a potential threat to human health or safety, the Permittee shall report any such emissions according to Condition 46.

**30. Technology-Based Emission Standard.** If an unavoidable emergency, malfunction (as defined in 18 AAC 50.235(d)), or non-routine repair (as defined in 18 AAC 50.990(64)), causes emissions in excess of a technology-based emission standard<sup>2</sup> listed in Conditions 15 (refrigerants), the Permittee shall

30.1. take all reasonable steps to minimize levels of emissions that exceed the standard; and

30.2. report in accordance with Condition 46.1.b; the report must include information on the steps taken to mitigate emissions and corrective measures taken or to be taken.

[18 AAC 50.235(a), 50.326(j)(4), & 50.040(j)(4)]  
[40 C.F.R. 71.6(c)(6)]

### Open Burning Requirements

**31. Open Burning.** If the Permittee conducts open burning at this stationary source, the Permittee shall comply with the requirements of 18 AAC 50.065. The Permittee shall comply as follows:

31.1. Keep written records to demonstrate that the Permittee complies with the limitations in this condition and the requirements of 18 AAC 50.065. Upon request by the Department, submit copies of the records; and

31.2. Include this condition in the annual certification required under Condition 48.

[18 AAC 50.065, 50.040(j), and 50.326(j)]  
[40 C.F.R. 71.6(a)(3)]

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<sup>2</sup> As defined in 18 AAC 50.990(106), the term “*technology-based emission standard*” means a best available control technology (BACT) standard; a lowest achievable emission rate (LAER) standard; a maximum achievable control technology (MACT) standard established under 40 C.F.R. 63, Subpart B, adopted by reference in 18 AAC 50.040(c); a standard adopted by reference in 18 AAC 50.040(a) or (c); and any other similar standard for which the stringency of the standard is based on determinations of what is technologically feasible, considering relevant factors.

## ***Section 6. General Source Testing and Monitoring Requirements***

- 32. Requested Source Tests.** In addition to any source testing explicitly required by the permit, the Permittee shall conduct source testing as requested by the Department to determine compliance with applicable permit requirements.

[18 AAC 50.220(a) and 50.345(a) & (k)]

- 33. Operating Conditions.** Unless otherwise specified by an applicable requirement or test method, the Permittee shall conduct source testing

[18 AAC 50.220(b)]

- 33.1. at a point or points that characterize the actual discharge into the ambient air; and
- 33.2. at the maximum rated burning or operating capacity of the emissions unit or another rate determined by the Department to characterize the actual discharge into the ambient air.

- 34. Reference Test Methods.** The Permittee shall use the following test methods when conducting source testing for compliance with this permit:

- 34.1. Source testing for compliance with requirements adopted by reference in 18 AAC 50.040(a) must be conducted in accordance with the methods and procedures specified in 40 C.F.R. 60.

[18 AAC 50.220(c)(1)(A) and 50.040(a)]  
[40 C.F.R. 60]

- 34.2. Source testing for compliance with requirements adopted by reference in 18 AAC 50.040(b) must be conducted in accordance with the methods and procedures specified in 40 C.F.R. 61.

[18 AAC 50.040(b) and 50.220(c)(1)(B)]  
[40 C.F.R. 61]

- 34.3. Source testing for compliance with requirements adopted by reference in 18 AAC 50.040(c) must be conducted in accordance with the source test methods and procedures specified in 40 C.F.R. 63.

[18 AAC 50.040(c) and 50.220(c)(1)(C)]  
[40 C.F.R. 63]

- 34.4. Source testing for the reduction in visibility through the exhaust effluent must be conducted in accordance with the procedures set out in Reference Method 9. The Permittee may use the form in Section 11 to record data.

[18 AAC 50.030 and 50.220(c)(1)(D)]

- 34.5. Source testing for emissions of total particulate matter, sulfur compounds, nitrogen compounds, carbon monoxide, lead, volatile organic compounds, fluorides, sulfuric acid mist, municipal waste combustor organics, metals, and acid gases must be conducted in accordance with the methods and procedures specified in 40 C.F.R. 60, Appendix A.

[18 AAC 50.040(a)(3) and 50.220(c)(1)(E)]  
[40 C.F.R. 60, Appendix A]

- 34.6. Source testing for emissions of PM<sub>10</sub> and PM<sub>2.5</sub> must be conducted in accordance with the procedures specified in 40 C.F.R. 51, Appendix M, Methods 201 or 201A and 202.

[18 AAC 50.035(b)(2) & 50.220(c)(1)(F)]  
[40 C.F.R. 51, Appendix M]

- 34.7. Source testing for emissions of any pollutant may be determined using an alternative method approved by the Department in accordance with 40 C.F.R. 63 Appendix A, Method 301.

[18 AAC 50.040(c)(32) & 50.220(c)(2)]  
[40 C.F.R. 63, Appendix A, Method 301]

- 35. Excess Air Requirements.** To determine compliance with this permit, 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 unit type, corrected to standard conditions (dry gas at 68° F and an absolute pressure of 760 millimeters of mercury).

[18 AAC 50.220(c)(3) and 50.990(102)]

- 36. Test Exemption.** The Permittee is not required to comply with Conditions 38, 39, and 40 when the exhaust is observed for visible emissions by Method 9 Plan (Condition 2.1).

[18 AAC 50.345(a)]

- 37. Test Deadline Extension.** The Permittee may request an extension to a source test deadline established by the Department. The Permittee may delay a source test beyond the original deadline only if the extension is approved in writing by the Department's appropriate division director or designee.

[18 AAC 50.345(a) & (l)]

- 38. Test Plans.** Except as provided in Condition 37, 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 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 Condition 32 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.

[18 AAC 50.345(a) & (m)]

- 39. Test Notification.** Except as provided in Condition 37, at least 10 days before conducting a source test, the Permittee shall give the Department written notice of the date and the time the source test will begin.

[18 AAC 50.345(a) & (n)]

- 40. Test Reports.** Except as provided in Condition 37, within 60 days after completing a source test, the Permittee shall submit one certified copy of the results in the format set out in the *Source Test Report Outline*, adopted by reference in 18 AAC 50.030. The Permittee shall certify the results in the manner set out in Condition 43. If requested in writing by the Department, the Permittee must provide preliminary results in a shorter period of time specified by the Department.

[18 AAC 50.345(a) & (o)]

- 41. Particulate Matter Calculations.** In source testing for compliance with the particulate matter standards in Conditions 3 and 8.2, the three-hour average is determined using the average of three one-hour test runs.

[18 AAC 50.220(f)]

## ***Section 7. General Recordkeeping and Reporting Requirements***

### **Recordkeeping Requirements**

**42.** The Permittee shall keep all records required by this permit for at least five years after the date of collection, including:

- 42.1. Copies of all reports and certifications submitted pursuant to this section of the permit; and
- 42.2. Records of all monitoring required by this permit, and information about the monitoring including
  - a. the date, place, and time of sampling or measurements;
  - b. the date(s) analyses were performed;
  - c. the company or entity that performed the analyses;
  - d. the analytical techniques or methods used;
  - e. the results of such analyses; and,
  - f. the operating conditions as existing at the time of sampling or measurement.

[18 AAC 50.040(a)(1) & (j)(4) and 50.326(j)]  
[40 C.F.R 60.7(f), Subpart A, 40 C.F.R 71.6(a)(3)(ii)(A) & (B)]

### **Reporting Requirements**

**43. Certification.** The Permittee shall certify any permit application, report, affirmation, or compliance certification submitted to the Department and required under the permit by including the signature of a responsible official for the permitted stationary source following the statement: *“Based on information and belief formed after reasonable inquiry, I certify that the statements and information in and attached to this document are true, accurate, and complete.”* Excess emission reports must be certified either upon submittal or with an operating report required for the same reporting period. All other reports and other documents must be certified upon submittal.

- 43.1. The Department may accept an electronic signature on an electronic application or other electronic record required by the Department if the person providing the electronic signature
  - a. uses a security procedure, as defined in AS 09.80.190, that the Department has approved; and
  - b. accepts or agrees to be bound by an electronic record executed or adopted with that signature.

[18 AAC 50.205, 50.326(j)(3), 50.345(a) & (j), & 50.346(b)(10)]

**44. Submittals.** Unless otherwise directed by the Department or this permit, the Permittee shall submit to the Department one certified copy of reports, compliance certifications, and/or other submittals required by this permit. The Permittee may submit the documents electronically or by hard copy.

44.1. Submit the certified copy of reports, compliance certifications, and/or other submittals in accordance with the submission instructions on the Department's Standard Permit Conditions web page at <http://dec.alaska.gov/air/air-permit/standard-conditions/standard-condition-xvii-submission-instructions/>.

[18 AAC 50.326(j)(3) & 50.346(b)(10)]

**45. Information Requests.** The Permittee shall furnish to the Department, within a reasonable time, any information the Department requests in writing to determine whether cause exists to modify, revoke and reissue, or terminate the permit or to determine compliance with the permit. Upon request, the Permittee shall furnish to the Department copies of records required to be kept by the permit. The Department may require the Permittee to furnish copies of those records directly to the Federal Administrator.

[18 AAC 50.345(a) & (i), 50.200, & 50.326(a) & (j)]  
[40 C.F.R. 71.5(a)(2) & 71.6(a)(3)]

**46. Excess Emissions and Permit Deviation Reports.** The Permittee shall report excess emissions and permit deviations as follows:

46.1. **Excess Emissions Reporting.** Except as provided in Condition 29, the Permittee shall report all emissions or operations that exceed emissions standards or limits of this permit as follows:

- a. In accordance with 18 AAC 50.240(c), as soon as possible, report
  - (i) excess emissions that present a potential threat to human health or safety; and
  - (ii) excess emissions that the Permittee believes to be unavoidable.
- b. In accordance with 18 AAC 50.235(a), within two working days after the event commenced or was discovered, report an unavoidable emergency, malfunction, or nonroutine repair that causes emissions in excess of a technology-based emission standard.
- c. If a continuous or recurring excess emissions is not corrected within 48 hours of discovery, report within 72 hours of discovery unless the Department provides written permission to report under Condition 46.1.d.
- d. Report all other excess emissions not described in Conditions 46.1.a, 46.1.b, and 46.1.c within 30 days after the end of the month during which the excess emissions occurred or as part of the next routine operating report in Condition 47 for excess emissions that occurred during the period covered by the report, whichever is sooner.

- e. If requested by the Department, the Permittee shall provide a more detailed written report to follow up on an excess emissions report.

[18 AAC 50.235(a)(2), 50.240(c), 50.326(j)(3), & 50.346(b)(2)]

**46.2. Permit Deviations Reporting.** For permit deviations that are not “excess emissions,” as defined under 18 AAC 50.990:

- a. Report permit deviations within 30 days after the end of the month during which the deviation occurred or as part of the next routine operating report in Condition 47 for permit deviations that occurred during the period covered by the report, whichever is sooner.

[18 AAC 50.326(j)(3) & 50.346(b)(2)]

**46.3. Notification Form.** When reporting either excess emissions or permit deviations, the Permittee shall report using either the Department’s online form, which can be found at the Division of Air Quality’s Air Online Services (AOS) system webpage <http://dec.alaska.gov/applications/air/airtoolsweb> using the Permittee Portal option, or, if the Permittee prefers, the form contained in Section 12 of this permit. The Permittee must provide all information called for by the form that is used. Submit the report in accordance with the submission instructions on the Department’s Standard Permit Conditions webpage found at <http://dec.alaska.gov/air/air-permit/standard-conditions/standard-conditions-iii-and-iv-submission-instructions/>.

[18 AAC 50.235(a)(2), 50.240(c), 50.326(j)(3), & 50.346(b)(2) & (3)]

**47. Operating Reports.** During the life of this permit<sup>3</sup>, the Permittee shall submit to the Department an operating report in accordance with Conditions 43 and 44 by August 1 for the period January 1 to June 30 of the current year and by February 1 for the period July 1 to December 31 of the previous year.

- 47.1. The operating report must include all information required to be in operating reports by other conditions of this permit, for the period covered by the report.
- 47.2. When excess emissions or permit deviations that occurred during the reporting period are not included with the operating report under Condition 47.1, the Permittee shall identify
  - a. the date of the excess emissions or permit deviation;
  - b. the equipment involved;
  - c. the permit condition affected;
  - d. a description of the excess emissions or permit deviation; and
  - e. any corrective action or preventive measures taken and the date(s) of such actions; or

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<sup>3</sup> *Life of this permit* is defined as the permit effective dates, including any periods of reporting obligations that extend beyond the permit effective dates. For example, if a permit expires prior to the end of a calendar year, there is still a reporting obligation to provide operating reports for the periods when the permit was in effect.



- 47.3. when excess emissions or permit deviation reports have already been reported under Condition 46 during the period covered by the operating report, the Permittee shall either
- a. include a copy of those excess emissions or permit deviation reports with the operating report; or
  - b. cite the date(s) of those reports.
- 47.4. The operating report must include, for the period covered by the report, a listing of emissions monitored which trigger additional testing or monitoring, whether or not the emissions monitored exceed an emission standard. The Permittee shall include in the report.
- a. the date of the emissions;
  - b. the equipment involved;
  - c. the permit condition affected; and
  - d. the monitoring result which triggered the additional monitoring.
- 47.5. **Transition from expired to renewed permit.** For the first period of this renewed operating permit, also provide the previous permit's operating report elements covering that partial period immediately preceding the effective date of this renewed permit.

[18 AAC 50.346(b)(6) & 50.326(j)]  
[40 C.F.R. 71.6(a)(3)(iii)(A)]

**48. Annual Compliance Certification.** Each year by March 31, the Permittee shall compile and submit to the Department an annual compliance certification report according to Condition 44.

- 48.1. Certify the compliance status of the stationary source over the preceding calendar year consistent with the monitoring required by this permit, as follows:
- a. identify each term or condition set forth in Section 3 through Section 9, that is the basis of the certification;
  - b. briefly describe each method used to determine the compliance status;
  - c. state whether compliance is intermittent or continuous; and
  - d. identify each deviation and take it into account in the compliance certification.
- 48.2. **Transition from expired to renewed permit.** For the first period of this renewed operating permit, also provide the previous permit's annual compliance certification report elements covering that partial period immediately preceding the effective date of this renewed permit.

- 48.3. In addition, submit a copy of the report directly to the Clean Air Act Compliance Manager, US EPA Region 10, ATTN: Air Toxics and Enforcement Section, Mail Stop: 20-C04, 1200 Sixth Avenue, Suite 155, Seattle, WA 98101-3188.

[18 AAC 50.205, 50.345(a) & (j), & 50.326(j)]  
[40 C.F.R. 71.6(c)(5)]

**49. Emission Inventory Reporting.** The Permittee shall submit to the Department reports of actual emissions for the previous calendar year, by emissions unit, of CO, NH<sub>3</sub>, NO<sub>x</sub>, PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub>, VOC and lead (Pb) and lead compounds, as follows:

- 49.1. **Every-year inventory.** Each year by April 30, if the stationary source's potential to emit for the previous calendar year equals or exceeds:

- a. 250 TPY of NH<sub>3</sub>, PM<sub>10</sub>, PM<sub>2.5</sub> or VOC; or
- b. 2,500 TPY of CO, NO<sub>x</sub>, or SO<sub>2</sub>.

- 49.2. **Triennial inventory.** Every third year by April 30, if the stationary source's potential to emit (except actual emissions for Pb) for the previous calendar year equals or exceeds:

- a. For stationary sources located in Attainment and Unclassifiable Areas:
  - (i) 0.5 TPY of actual Pb; or
  - (ii) 1,000 TPY of CO; or
  - (iii) 100 TPY of SO<sub>2</sub>, NH<sub>3</sub>, PM<sub>10</sub>, PM<sub>2.5</sub>, NO<sub>x</sub> or VOC.
- b. For stationary sources located in Nonattainment Areas:
  - (i) 0.5 TPY of actual Pb; or
  - (ii) 1,000 TPY of CO or, when located in a CO nonattainment area, 100 TPY of CO; or
  - (iii) 100 TPY of SO<sub>2</sub>, NH<sub>3</sub>, PM<sub>10</sub>, PM<sub>2.5</sub>, NO<sub>x</sub>, or VOC; or as specified in Conditions 49.2.b(iv) through 49.2.b(viii);
  - (iv) 70 TPY of SO<sub>2</sub>, NH<sub>3</sub>, PM<sub>2.5</sub>, NO<sub>x</sub>, or VOC in PM<sub>2.5</sub> serious nonattainment areas; or
  - (v) 70 TPY of PM<sub>10</sub> in PM<sub>10</sub> serious nonattainment areas; or
  - (vi) 50 TPY of NO<sub>x</sub> or VOC in O<sub>3</sub> serious nonattainment areas; or
  - (vii) 25 TPY of NO<sub>x</sub> or VOC in O<sub>3</sub> severe nonattainment areas; or
  - (viii) 10 TPY of NO<sub>x</sub> or VOC in O<sub>3</sub> extreme nonattainment areas.

- 49.3. For reporting under Condition 49.2, the Permittee shall report the annual emissions and the required data elements under Condition 49.4 every third year for the previous calendar year as scheduled by the EPA.<sup>4</sup>
- 49.4. For each emissions unit and the stationary source, include in the report the required data elements<sup>5</sup> contained within the form included in the Emission Inventory Instructions available at the Department's AOS system on the Point Source Emission Inventory webpage at <http://dec.alaska.gov/Applications/Air/airtoolsweb/PointSourceEmissionInventory>.
- 49.5. Submit the report in accordance with the submission instructions on the Department's Standard Permit Conditions webpage at <http://dec.alaska.gov/air/air-permit/standard-conditions/standard-conditions-xv-and-xvi-submission-instructions/>.

[18 AAC 50.040(j)(4), 50.200, 50.326(j)(3), & 50.346(b)(8)]  
[40 C.F.R. 51.15, 51.30(a)(1) & (b)(1), and Appendix A to 40 C.F.R. 51 Subpart A]

**50. NSPS and NESHAP Reports.** The Permittee shall comply with the following:

- 50.1. **Reports:** Except for previously submitted reports and federal reports and notices submitted through EPA's Central Data Exchange (CDX) and Compliance and Emissions Data Reporting Interface (CEDRI) online reporting system, attach to the operating report required by Condition 47 for the period covered by the report, a copy of any NSPS and NESHAP reports submitted to the U.S. Environmental Protection Agency (EPA) Region 10. For reports previously submitted to ADEC or submitted through CDX/CEDRI, state in the operating report the date and a brief description of each of the online reports submitted during the reporting period.
- 50.2. **Waivers:** Upon request by the Department, provide a written copy of any EPA-granted alternative monitoring requirement, custom monitoring schedule or waiver of the federal emission standards, recordkeeping, monitoring, performance testing, or reporting requirements. The Permittee shall keep a copy of each U.S. EPA-issued monitoring waiver or custom monitoring schedule with the permit.

[18 AAC 50.040(j)(4) and 50.326(j)(4)]  
[40 C.F.R. 60.13, 63.10(d) & (f) and 40 C.F.R. 71.6(c)(6)]

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<sup>4</sup> The calendar years for which reports are required are based on the triennial reporting schedule in 40 C.F.R. 51.30(b)(1), which requires states to report emissions data to the EPA for inventory years 2011, 2014, 2017, 2020, and every 3rd year thereafter. Therefore, the Department requires Permittees to report emissions data for the same inventory years by April 30 of the following year (e.g., triennial emission inventory report for 2020 is due April 30, 2021, triennial emission inventory report for 2023 is due April 30, 2024, etc.).

<sup>5</sup> The required data elements to be reported to the EPA are outlined in 40 C.F.R. 51.15 and Tables 2a and 2b to Appendix A of 40 C.F.R. 51 Subpart A.

## ***Section 8. Permit Changes and Renewal***

**51. Permit Applications and Submittals.** The Permittee shall comply with the following requirements for submitting application information to the EPA:

- 51.1. The Permittee shall provide a copy of each application for modification or renewal of this permit, including any compliance plan, or application addenda, at the time the application or addendum is submitted to the Department;
- 51.2. The information shall be submitted to the Part 70 Operating Permit Program, US EPA Region 10, Air Permits and Toxics Branch, Mail Stop: 15-H13, 1200 Sixth Avenue, Suite 155, Seattle, WA 98101-3188;
- 51.3. To the extent practicable, the Permittee shall provide to EPA applications in portable document format (pdf), MS Word format (.doc), or other computer-readable format compatible with EPA's national database management system; and
- 51.4. The Permittee shall maintain records as necessary to demonstrate compliance with this condition.

[18 AAC 50.040(j)(7), 50.326(a) & (j)(3), and 50.346(b)(7)]  
[40 C.F.R. 71.10(d)(1)]

**52. Emissions Trading.** No permit revision shall be required under any approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in the permit.

[18 AAC 50.040(j)(4) and 50.326(j)(4)]  
[40 C.F.R. 71.6(a)(8)]

**53. Off Permit Changes.** The Permittee may make changes that are not addressed or prohibited by this permit other than those subject to the requirements of 40 C.F.R. Parts 72 through 78 or those that are modifications under any provision of Title I of the Act to be made without a permit revision, provided that the following requirements are met:

- 53.1. Each such change shall meet all applicable requirements and shall not violate any existing permit term or condition;
- 53.2. Provide contemporaneous written notice to EPA and the Department of each such change, except for changes that qualify as insignificant under 18 AAC 50.326(d) – (i). Such written notice shall describe each such change, including the date, any change in emissions, pollutants emitted, and any applicable requirement that would apply as a result of the change;
- 53.3. The change shall not qualify for the shield under 40 C.F.R. 71.6(f);
- 53.4. The Permittee shall keep a record describing changes made at the stationary source that result in emissions of a regulated air pollutant subject to an applicable requirement, but not otherwise regulated under the permit, and the emissions resulting from those changes.

[18 AAC 50.040(j)(4) and 50.326(j)(4)]  
[40 C.F.R. 71.6(a)(12)]

**54. Operational Flexibility.** The Permittee may make CAA Section 502(b)(10)<sup>6</sup> changes within the permitted stationary source without requiring a permit revision if the changes are not modifications under any provision of Title I of the Act and the changes do not exceed the emissions allowable under this permit (whether expressed therein as a rate of emissions or in terms of total emissions).

54.1. The Permittee shall provide EPA and the Department with a written notification no less than seven days in advance of the proposed change.

54.2. For each such change, the notification required by Condition 54.1 shall include a brief description of the change within the permitted stationary source, the date on which the change will occur, any change in emissions, and any permit term or condition that is no longer applicable as a result of the change.

54.3. The permit shield described in 40 C.F.R. 71.6(f) shall not apply to any change made pursuant to Condition 54.

[18 AAC 50.040(j)(4) and 50.326(j)(4)]  
[40 C.F.R. 71.6(a)(13)]

**55. Permit Renewal.** To renew this permit, the Permittee shall submit to the Department<sup>7</sup> an application under 18 AAC 50.326 no sooner than **<18 months before the expiration date of this permit>** and no later than **<6 months before the expiration date of this permit>**. The renewal application shall be complete before the permit expiration date listed on the cover page of this permit. Permit expiration terminates the stationary source's right to operate unless a timely and complete renewal application has been submitted consistent with 40 C.F.R. 71.7(b) and 71.5(a)(1)(iii).

[18 AAC 50.040(j)(3) and 50.326(c) & (j)(2)]  
[40 C.F.R. 71.5(a)(1)(iii) and 71.7(b) & (c)(1)(ii)]

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<sup>6</sup> As defined in 40 C.F.R. 71.2, CAA Section 502(b)(10) changes are changes that contravene an express permit term. Such changes do not include changes that would violate applicable requirements or contravene federally enforceable permit terms and conditions that are monitoring (including test methods), recordkeeping, reporting, or compliance certification requirements.

<sup>7</sup> Submit permit applications to the Department's Anchorage office. The current address is: Air Permit Intake Clerk, ADEC, 555 Cordova Street, Anchorage, AK 99501.

## ***Section 9. Compliance Requirements***

### **General Compliance Requirements**

**56.** Compliance with permit terms and conditions is considered to be compliance with those requirements that are

56.1. included and specifically identified in the permit; or

56.2. determined in writing in the permit to be inapplicable.

[18 AAC 50.326(j)(3) and 50.345(a) & (b)]

**57.** The Permittee must comply with each permit term and condition. Noncompliance with a permit term or condition constitutes a violation of AS 46.14, 18 AAC 50, and, except for those terms or conditions designated in the permit as not federally enforceable, the Clean Air Act, and is grounds for

57.1. an enforcement action;

57.2. permit termination, revocation and reissuance, or modification in accordance with AS 46.14.280; or

57.3. denial of an operating permit renewal application.

[18 AAC 50.040(j), 50.326(j) & 50.345(a) & (c)]

**58.** For applicable requirements with which the stationary source is in compliance, the Permittee shall continue to comply with such requirements.

[18 AAC 50.040(j)(3) & (4) and 50.326(j)]  
[40 C.F.R. 71.6(c)(3) and 71.5(c)(8)(iii)(A)]

**59.** It is not a defense in an enforcement action to claim that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with a permit term or condition.

[18 AAC 50.326(j)(3) and 50.345(a) & (d)]

**60.** 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

60.1. enter upon the premises where a source subject to the permit is located or where records required by the permit are kept;

60.2. have access to and copy any records required by the permit;

60.3. inspect any stationary source, equipment, practices, or operations regulated by or referenced in the permit; and

60.4. sample or monitor substances or parameters to assure compliance with the permit or other applicable requirements.

[18 AAC 50.326(j)(3) and 50.345(a) & (h)]

## Section 10. Permit As Shield from Inapplicable Requirements

In accordance with AS 46.14.290, and based on information supplied in the permit application, this section of the permit contains the requirements determined by the Department not to be applicable to the stationary source.

61. Nothing in this permit shall alter or affect the following:

- 61.1. The provisions of Section 303 of the Act (emergency orders), including the authority of the Administrator under that section; or
- 61.2. The liability of an owner or operator of a source for any violation of applicable requirements prior to or at the time of permit issuance.

[18 AAC 50.040(j)(4) and 50.326(j)]  
[40 C.F.R. 71.6(f)(3)(i) & (ii)]

62. Table B identifies the emissions units that are not subject to the specified requirements at the time of permit issuance. If any of the requirements listed in Table B becomes applicable during the permit term, the Permittee shall comply with such requirements on a timely basis including, but not limited to, providing appropriate notification to EPA, obtaining a construction permit and/or an operating permit revision.

[18 AAC 50.040(j)(4) and 50.326(j)]  
[40 C.F.R. 71.6(f)(1)(ii)]

**Table B - Permit Shields Granted**

EU ID	Non-Applicable Requirements	Reason for Non-Applicability
Stationary Source-wide	40 C.F.R 60, Subparts Cc, Cd, Da, Db, Dc, F, G, Ga, H, I, J, Ja, L, M, N, Na, O, P, Q, R, S, T, U, V, W, X, Y, and Z	There are no affected facilities, operations, or industries at this stationary source.
Two Portable, 50 lb/hr Incinerators	40 C.F.R 60 Subpart Cb and Ce	These subparts contain guidelines states must follow when developing state plans in accordance with 40 C.F.R 60 Subpart B. Emission guidelines do not apply to owners or operators.
Two Portable, 50 lb/hr Incinerators	40 C.F.R 60 Subpart E	The portable incinerators at this stationary source do not combust greater than 50 tons per day. Therefore, the requirements of Subpart E do not apply. [40 C.F.R 60.50(a)]
Two Portable, 50 lb/hr Incinerators	40 C.F.R 60 Subparts Ea and Eb	The portable incinerators have a capacity to burn less than 35 tons of municipal waste per year or refuse derived fuel. Therefore, the requirements of Subparts Ea and Eb. [40 C.F.R 60.50a(a), 60.50b(a)].
Two Portable, 50 lb/hr Incinerators	40 C.F.R 60 Subpart Ec	The portable incinerators at this stationary source do not combust hospital, medical, or infectious waste. Therefore, the requirements of Subpart Ec do not apply.
7, 10, 11	40 C.F.R 60 Subpart K	Per §60.110(b), these tanks are storage vessels for petroleum or condensate stored, processed, and/or treated at a drilling or production facility prior to custody transfer.

EU ID	Non-Applicable Requirements	Reason for Non-Applicability
8, 9	40 C.F.R 60 Subpart K	Tanks constructed prior to June 11, 1973 and have not been modified or reconstructed since.
7, 10, 11	40 C.F.R 60 Subpart Ka	Per §60.110a(b), these tanks are petroleum storage vessels with a capacity of less than 420,000 gallons used for petroleum or condensate stored, processed, or treated prior to custody transfer and are not affected facilities.
8, 9	40 C.F.R 60 Subpart Ka	Tanks constructed prior to May 18, 1978 and have not been modified or reconstructed since.
7, 8, 10, 11	40 C.F.R 60 Subpart Kb	Per §60.110b(d)(4), tanks are vessels with a design capacity of less than 1,589.874 m <sup>3</sup> used for petroleum or condensate stored, processed, or treated prior to custody transfer and are thus exempt from this subpart.
9	40 C.F.R 60 Subpart Kb	Construction commenced prior to July 23, 1984 and the tank has not been modified or reconstructed since.
Stationary Source-wide	40 C.F.R 60, Subparts AA, AAa, BB, BBa, CC, DD, EE, HH, KK, LL, MM, NN, PP, QQ, RR, SS, TT, UU, VV, VVa, WW and XX	There are no affected facilities, operations, or industries at this stationary source.
3 through 5	40 C.F.R 60 Subpart GG	EU IDs 3, 4, and 5 commenced construction prior to October 3, 1977.
Stationary Source-wide	40 C.F.R 60, Subparts AAA, BBB, DDD, FFF, GGG, GGGa, HHH, III, JJJ, NNN, OOO, PPP, QQQ, RRR, SSS, TTT, UUU, VVV and WWW	There are no affected facilities, operations, or industries at this stationary source.
Stationary Source-wide	40 C.F.R 60, Subparts IIII, JJJJ, LLLL, MMMM, QQQQ, TTTT, and UUUU	There are no affected facilities, operations, or industries at this stationary source.
Two Portable, 50 lb/hr Incinerators	40 C.F.R 60 Subpart AAAA	The portable incinerators have a capacity to burn less than 35 tons of municipal waste per year or refuse derived fuel. Therefore, the requirements of Subpart AAAA do not apply. [40 C.F.R 60.1010(b)].
Two Portable, 50 lb/hr Incinerators	40 C.F.R 60 Subpart BBBB, DDDD, and FFFF	These subparts contain guidelines states must follow when developing state plans in accordance with 40 C.F.R 60 Subpart B. Emission guidelines do not apply to owners or operators.
Two Portable, 50 lb/hr Incinerators	40 C.F.R 60 Subpart CCCC	40 C.F.R 60.2265 states a cyclonic burn barrel is not an incinerator, a waste-burning kiln, an energy recovery unit or a small, remote incinerator under Subpart CCCC.



EU ID	Non-Applicable Requirements	Reason for Non-Applicability
Two Portable, 50 lb/hr Incinerators	40 C.F.R 60 Subpart EEEE	The OSWI rules apply only to very small municipal waste combustion (VSMWC) units and institutional waste incineration (IWI) units. The portable incinerators are not VSMWC units because the units have not and will not burn municipal solid waste collected from multiple sites. The portable incinerators are not IWI units because the incinerators are not located at an institutional facility (reference: clarifying language in December 16, 2005 Federal Register, p. 74878). Therefore, Subpart EEEE does not apply.
3 through 5	40 C.F.R 60 Subpart KKKK	EU IDs 3, 4, and 5 commenced construction prior to February 18, 2005.
Stationary Source-wide	40 C.F.R 61, Subparts B, C, D, E, F, H, I, J, K, L, N, O, P, Q, R, T, W, Y, BB, and FF	There are no affected facilities, operations, or industries at this stationary source.
Two Portable, 50 lb/hr Incinerators	40 C.F.R 62 Subpart JJJ	The portable incinerators have a capacity to burn less than 35 tons of municipal waste per year or refuse derived fuel. Therefore, the requirements of Subpart JJJ do not apply. [40 C.F.R 62.15010(a)(1)]
Stationary Source-wide	40 C.F.R 63 Subparts F, G, I, J, L, M, N, O, Q, S, T, U, W, and X	There are no affected facilities, operations, or industries at this stationary source.
Stationary Source-wide	40 C.F.R 63 Subpart H	There are no other applicable rules that require compliance with 40 C.F.R 63 Subpart H. Therefore, the requirements of this subpart do not apply.
Stationary Source-wide	40 C.F.R 63 Subpart R	40 C.F.R 63 Subpart R applies to bulk gasoline terminals and breakout stations located at a major source of hazardous air pollutants (HAPs). This stationary source is not a major source of HAPs. Therefore, the requirements of Subpart R do not apply.
Stationary Source-wide	40 C.F.R 63 Subpart Y	40 C.F.R 63 Subpart Y applies to marine tank vessel loading operations. This stationary source receives gasoline by pipeline. Therefore, the requirements of Subpart Y do not apply.
Stationary Source-wide	40 C.F.R 63 Subparts AA, BB, DD, EE, II, JJ, KK, LL, MM, XX, and YY	There are no affected facilities, operations, or industries at this stationary source.
Stationary Source-wide	40 C.F.R 63 Subparts OO, SS, TT, UU, VV, and WW	There are no other applicable rules that require compliance with 40 C.F.R 63 Subparts OO, SS, TT, UU, or VV. Therefore, the requirements of these subparts do not apply.
6	40 C.F.R 63 Subpart HH, §§63.762, 63.765, 63.766, 63.769, 63.771, 63.772 [except (b)], 63.774 [except (a), (b)(1), (b)(2), (d), and (f)], 63.775 [except (a), (c)(1), (d)(7), (d)(9), (d)(10), and (f)]	Granite Point Tank Farm (GPTF) is an area source of HAPs emissions not located within an UA offset plus UC boundary.

EU ID	Non-Applicable Requirements	Reason for Non-Applicability
Stationary Source-wide	40 C.F.R 63 Subparts CCC, DDD, GGG, III, JJJ, LLL, MMM, NNN, OOO, PPP, QQQ, RRR, TTT, UUU, VVV, and XXX	There are no affected facilities, operations, or industries at this stationary source.
Two Portable, 50 lb/hr Incinerators	40 C.F.R 63 Subpart EEE	The portable incinerators at this stationary source do not combust hazardous waste material. Therefore, the requirements of Subpart EEE do not apply.
Stationary Source-wide	40 C.F.R 63 Subpart HHH	40 C.F.R 63 Subpart HHH applies to owners and operators of natural gas transmission and storage facilities that transport or store natural gas prior to entering the pipeline to a local distribution company or to a final end user (if there is no local distribution company), and that are major sources of HAP emissions as defined in 40 C.F.R 63.1271. GPTF is not a major source of HAP emissions. Therefore, the requirements of Subpart HHH do not apply.
Stationary Source-wide	40 C.F.R 63 Subparts AAAA, CCCC, DDDD, EEEE, FFFF, GGGG, HHHH, IIII, JJJJ, KKKK, MMMM, NNNN, OOOO, PPPP, QQQQ, RRRR, SSSS, TTTT, UUUU, VVVV, WWWW, XXXX, and ZZZZ	There are no affected facilities, operations, or industries at this stationary source.
3 through 5	40 C.F.R 63 Subpart YYYY	GPTF is not a major source of HAPs.
Stationary Source-wide	40 C.F.R 63 Subparts AAAAA, BBBBB, CCCCC, EEEEE, FFFFF, GGGGG, HHHHH, IIII, JJJJ, KKKKK, LLLLL, MMMMM, NNNNN, PPPPP, QQQQQ, RRRRR, SSSSS, TTTTT, UUUUU, WWWWW, YYYYY and ZZZZZ	There are no affected facilities, operations, or industries at this stationary source.
1, 2	40 C.F.R 63 Subpart DDDDD	GPTF is not a major source of HAPs.
Stationary Source-wide	40 C.F.R 63 Subparts DDDDDD, EEEEE, FFFFFFF, GGGGGG, HHHHHH, LLLLLL, MMMMMM, NNNNNN, OOOOOO, PPPPPP, QQQQQQ, SSSSSS, TTTTTT, VVVVVV, WWWWWW, XXXXXX, YYYYYY, and ZZZZZZ	There are no affected facilities, operations, or industries at this stationary source.
Stationary Source-wide	40 C.F.R 63 Subpart BBBBBB	40 C.F.R 63 Subpart BBBBBB applies to gasoline storage tanks, gasoline loading racks, vapor collection-equipped cargo tanks, and equipment components in vapor or liquid gasoline service that meets the criteria specified in Tables 1 through 3 of this subpart. There is a small gasoline tank at GPTF that is disconnected. Even if the tank were being used, it does not qualify as a bulk gasoline terminal, pipeline breakout station, pipeline pumping station, or bulk gasoline plant because it was used to fuel vehicles and portable equipment at GPTF. Therefore, the requirements of Subpart BBBBBB do not apply.

EU ID	Non-Applicable Requirements	Reason for Non-Applicability
Stationary Source-wide	40 C.F.R 63 Subpart CCCCCC	40 C.F.R 63 Subpart CCCCCC applies to storage tanks and associated equipment components in vapor or liquid gasoline service at new, reconstructed, or existing gasoline dispensing facilities that meet the criteria specified in 40 C.F.R 63.11111. Per 40 C.F.R 63.11132, Gasoline Dispensing Facility means any stationary facility which dispenses gasoline into the fuel tank of a motor vehicle. The only gasoline-fueled equipment in operation at GPTF are lawn mowers and all-terrain vehicles. Due to their low fuel consumption, these gasoline-fueled equipment are currently fueled from a 55 gallon drum, which are purchased from a vendor by Hilcorp Alaska, LLC.
Stationary Source-wide	40 C.F.R 63 Subparts AAAAAAA,BBBBBBB, CCCCCC, DDDDDDD, EEEEEEE, and HHHHHHH	There are no affected facilities, operations, or industries at this stationary source.
Two Portable, 50 lb/hr Incinerators	18 AAC 50.050(b), Incinerator particulate standards	The incinerators at this source each have a capacity of less than 1,000 lbs/hr.
Stationary Source-wide	18 AAC 50.055(a)(2) – Fuel-burning equipment standards, opacity emission limit of 30%, 3-minute average	No emission units subject to this regulation at this stationary source.
	18 AAC 50.055(a)(4), (5), and (8), Fuel-burning equipment standards, opacity emission limit of 20%, 6-minute average	
	18 AAC 50.055(a)(6) and (7), Fuel-burning equipment standards, opacity emission limit of 10%, 6-minute average	
6	18 AAC 50.055(b)(3), Fuel-burning equipment standards, PM emission limit of 0.1 grains	EU ID 6 is an industrial process, but was installed in 1995.
Stationary Source-wide	18 AAC 50.055(b)(4), Fuel-burning equipment standards, PM emission limit of 0.15 grains	No emission units subject to this regulation at this stationary source.
	18 AAC 50.055(b)(5) and (6), Fuel-burning equipment standards	
	18 AAC 50.055(d) and (e) – Fuel-burning equipment standards, PM emission limit of 0.04 grains	
Stationary Source-wide	18 AAC 50.060 – Pulp Mills	There are no pulp mills, operations, or industries at this stationary source.
Stationary Source-wide	18 AAC 50.070 – Marine Vessels, visible emission standards	Oil is transported in and out by pipeline, rather than by ship.
Stationary Source-wide	18 AAC 50.075 –Wood-fired heating device emission standards	No wood-fired heating devices within this stationary source.

EU ID	Non-Applicable Requirements	Reason for Non-Applicability
Stationary Source-wide	18 AAC 50.085 – Volatile liquid storage tank emission standards	Regulations only apply to tanks within the Port of Anchorage.
Stationary Source-wide	18 AAC 50.090 – Volatile liquid loading racks and delivery emission standards	Regulations only apply to volatile liquid loading racks and delivery systems within the Port of Anchorage.

## Section 11. Visible Emissions Forms

### VISIBLE EMISSIONS OBSERVATION FORM

This form is designed to be used in conjunction with EPA Method 9, “Visual Determination of the Opacity of Emissions from Stationary Sources.” Temporal changes in emission color, plume water droplet content, background color, sky conditions, observer position, etc. should be noted in the comments section adjacent to each minute of readings. Any information not dealt with elsewhere on the form should be noted under Additional Information. Following are brief descriptions of the type of information that needs to be entered on the form. For a more detailed discussion of each part of the form, refer to “Instructions for Use of Visible Emission Observation Form” (a copy is available in <https://www3.epa.gov/ttnemc01/methods/webinar8.pdf>).

- Source Name: full company name, parent company or division or subsidiary information, if necessary.
- Address: street (not mailing or home office) address of facility where visible emissions observation is being made.
- Phone (Key Contact): number for appropriate contact.
- Stationary Source ID Number: number from NEDS, agency file, etc.
- Process Equipment, Operating Mode: brief description of process equipment (include type of facility) and operating rate, % capacity, and/or mode (e.g., charging, tapping, shutdown).
- Control Equipment, Operating Mode: specify type of control device(s) and % utilization, control efficiency.
- Describe Emission Point: for identification purposes, stack or emission point appearance, location, and geometry; and whether emissions are confined (have a specifically designed outlet) or unconfined (fugitive).
- Height Above Ground Level: stack or emission point height relative to ground level; can use engineering drawings, Abney level, or clinometer.
- Height Relative to Observer: indicate height of emission point relative to the observation point.
- Distance from Observer: distance to emission point; can use rangefinder or map.
- Direction from Observer: direction plume is traveling from observer.
- Describe Emissions and Color: include physical characteristics, plume behavior (e.g., looping, lacy, condensing, fumigating, secondary particle formation, distance plume visible, etc.), and color of emissions (gray, brown, white, red, black, etc.). Note color changes in comments section.
- Visible Water Vapor Present?: check “yes” if visible water vapor is present.
- If Present, note in the Comments column whether the Plume is “attached” if water droplet plume forms prior to exiting stack, and “detached” if water droplet plume forms after exiting stack.
- Point in Plume at Which Opacity was Determined: describe physical location in plume where readings were made (e.g., 1 ft above stack exit or 10 ft. after dissipation of water plume).
- Describe Plume Background: object plume is read against, include texture and atmospheric conditions (e.g., hazy).
- Background Color: sky blue, gray-white, new leaf green, etc.
- Sky Conditions: indicate color of clouds and cloud cover by percentage or by description (clear, scattered, broken, overcast).
- Wind Speed: record wind speed; can use Beaufort wind scale or hand-held anemometer to estimate.
- Wind Direction From: direction from which wind is blowing; can use compass to estimate to eight points.
- Ambient Temperature: in degrees Fahrenheit or Celsius.
- Wet Bulb Temperature: can be measured using a sling psychrometer
- RH Percent: relative humidity measured using a sling psychrometer; use local US Weather Bureau measurements only if nearby.
- Source Layout Sketch: include wind direction, sun position, associated stacks, roads, and other landmarks to fully identify location of emission point and observer position.
- Draw North Arrow: to determine, point line of sight in direction of emission point, place compass beside circle, and draw in arrow parallel to compass needle.
- Sun’s Location: point line of sight in direction of emission point, move pen upright along sun location line, mark location of sun when pen’s shadow crosses the observer’s position.
- Observation Date: date observations conducted.
- Start Time, End Time: beginning and end times of observation period (e.g., 1635 or 4:35 p.m.).
- Data Set: percent opacity to nearest 5%; enter from left to right starting in left column. Use a second (third, etc.) form, if readings continue beyond 30 minutes. Use dash (-) for readings not made; explain in adjacent comments section.
- Comments: note changing observation conditions, plume characteristics, and/or reasons for missed readings.
- Range of Opacity: note highest and lowest opacity number.
- Observer’s Name: print in full.
- Observer’s Signature, Date: sign and date after performing VE observation.
- Observer’s Affiliation: observer’s employer.
- Certifying Organization, Certified By, Date: name of “smoke school,” certifying observer, and date of most recent certification.

ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION AIR PERMITS PROGRAM - VISIBLE EMISSIONS OBSERVATION FORM												
									Page No.			
Stationary Source Name		Type of Emission Unit		Observation Date		Start Time		End Time				
Emission Unit Location				Sec Min	0	15	30	45	Comments			
City	State	Zip		1								
Phone # (Key Contact)		Stationary Source ID Number		2								
Process Equipment		Operating Mode		3								
Control Equipment		Operating Mode		4								
Describe Emission Point/Location				5								
Height above ground level	Height relative to observer	Cinometer Reading		6								
Distance From Observer		Direction From Observer		7								
Start	End	Start	End	8								
Describe Emissions & Color				9								
Start				10								
Visible Water Vapor Present? If yes, determine approximate distance from the stack exit to where the plume was read				11								
No	Yes			12								
Point in Plume at Which Opacity Was Determined				13								
Describe Plume Background		Background Color		14								
Start		Start		15								
End		End		16								
Sky Conditions:				17								
Start		End		18								
Wind Speed		Wind Direction From		19								
Start	End	Start	End	20								
Ambient Temperature		Wet Bulb Temp	RH percent	21								
SOURCE LAYOUT SKETCH: 1 Stack or Point Being Read 2 Wind Direction From 3 Observer Location 4 Sun Location 5 North Arrow 6 Other Stacks				22								
				23								
				24								
				25								
				26								
				27								
				28								
				29								
				30								
				Additional Information:				31				
								Range of Opacity:				
				Minimum		Maximum						
I have received a copy of these opacity observations				Print Observer's Name								
Print Name:				Observer's Signature			Date					
Signature:							Observer's Affiliation:					
Title		Date		Certifying Organization:			Date					
				Certified By:			Date					
<b>Data Reduction:</b>												
Duration of Observation Period (minutes):				Duration Required by Permit (minutes):								
Number of Observations:				Highest Six - Minute Average Opacity (%):								
Number of Observations exceeding 20%:				Highest 18-Consecutive -Minute Average Opacity %(engines and turbines only)								
In compliance with six-minute opacity limit? (Yes or No)												
<b>Average Opacity Summary:</b>												
Set Number	Time			Opacity			Sum	Average	Comments			
	Start	End										

## Section 12. Notification Form<sup>8</sup>

Granite Point Tank Farm

Stationary Source Name

Hilcorp Alaska LLC.

Company Name

AQ0326TVP04

Air Quality Permit Number.

### When did you discover the Excess Emissions/Permit Deviation?

Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

Time: \_\_\_\_:\_\_\_\_

### When did the event/deviation occur?

Begin: Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

Time: \_\_\_\_:\_\_\_\_ (please use 24-hr clock)

End: Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

Time: \_\_\_\_:\_\_\_\_ (please use 24-hr clock)

### What was the duration of the event/deviation? \_\_\_\_:\_\_\_\_ (hrs:min) or \_\_\_\_ days

(total # of hrs, min, or days, if intermittent then include only the duration of the actual emissions/deviation)

### Reason for Notification (Please check only 1 box and go to the corresponding section.):

☐ Excess Emissions - Complete Section 1 and Certify

Note: All "excess emissions" are also "permit deviations." However, use only Section 1 for events that involve excess emissions.

☐ Deviation from Permit Conditions - Complete Section 2 and Certify

Note: Use only Section 2 for permit deviations that do not involve excess emissions.

☐ Deviation from COBC<sup>9</sup>, CO<sup>10</sup>, or Settlement Agreement - Complete Section 2 and Certify

<sup>8</sup> Revised as of July 22, 2020.

<sup>9</sup> Compliance Order By Consent

<sup>10</sup> Compliance Order

## Section 1. Excess Emissions

(a) **Was the exceedance** ☐ Intermittent or ☐ Continuous

(b) **Cause of Event** (Check one that applies. Complete a separate form for each event, as applicable.):

- |                                                    |                                                                      |
|----------------------------------------------------|----------------------------------------------------------------------|
| <input type="checkbox"/> Start Up/Shut Down        | <input type="checkbox"/> Natural Cause (weather/earthquake/flood)    |
| <input type="checkbox"/> Control Equipment Failure | <input type="checkbox"/> Scheduled Maintenance/Equipment Adjustments |
| <input type="checkbox"/> Bad fuel/coal/gas         | <input type="checkbox"/> Upset Condition                             |
| <input type="checkbox"/> Other _____               |                                                                      |

(c) **Description**

Describe briefly what happened and the cause. Include the parameters/operating conditions exceeded, limits, monitoring data and exceedance. Attach supporting information if necessary.

(d) **Emissions Units (EU) Involved:**

Identify the emissions units involved in the event, using the same identification number and name as in the permit. Identify each emission standard potentially exceeded during the event and the exceedance.

EU ID	EU Name	Permit Condition Exceeded/Limit/Potential Exceedance



(e) **Type of Incident:** (Please check all that apply and provide the value requested, if any):

☐ Opacity \_\_\_\_\_%

☐ Venting \_\_\_\_\_(gas/scf)

☐ Control Equipment Down

☐ Fugitive Emissions

☐ Emission Limit Exceeded

☐ Marine Vessel Opacity

☐ Flaring

☐ Other: \_\_\_\_\_

(f) **Corrective Actions:**

Describe actions taken to restore the system to normal operation and to minimize or eliminate chances of a recurrence. Attach supporting information if necessary.

(g) **Unavoidable Emissions:**

Do you intend to assert that these excess emissions were unavoidable?

☐ YES

☐ NO

Do you intend to assert the affirmative defense of 18 AAC 50.235?

☐ YES

☐ NO

**Certify Report (go to end of form)**

## Section 2. Permit Deviations

(a) **Permit Deviation Type:** (Check all boxes that apply per event. Complete a separate form for each event, as applicable.)

- ☐ Emissions Unit-Specific Requirements
- ☐ Stationary Source-Wide Specific Requirements
- ☐ Monitoring/Recordkeeping/Reporting Requirements
- ☐ General Source Test Requirements
- ☐ Compliance Certification Requirements
- ☐ Standard/Generally Applicable Requirements
- ☐ Insignificant Emissions Unit Requirements
- ☐ Other: \_\_\_\_\_

(b) **Emissions Units (EU) Involved:**

Identify the emissions units involved in the event, using the same identification number and name as in the permit. List the corresponding permit condition and the deviation.

EU ID	EU Name	Permit Condition /Potential Deviation

(c) **Description of Potential Deviation:**

Describe briefly what happened and the cause. Include the parameters/operating conditions and the potential deviation. Attach supporting information if necessary.

**(d) Corrective Actions:**

Describe actions taken to correct the deviation or potential deviation and to prevent future recurrence. Attach supporting information if necessary.

**Certification:**

**Based on information and belief formed after reasonable inquiry, I certify that the statements and information in and attached to this document are true, accurate, and complete.**

Printed Name: \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

Signature: \_\_\_\_\_ Phone number \_\_\_\_\_

***NOTE:*** *This document must be certified in accordance with 18 AAC 50.345(j). Read and sign the certification in the bottom of the form above. (See Condition 43.)*

Submit this report in accordance with the submission instructions on the Department's Standard Permit Conditions web page at <http://dec.alaska.gov/air/air-permit/standard-conditions/standard-conditions-iii-and-iv-submission-instructions/>.

*If submitted online, report must be submitted by an authorized E-signer for the stationary source (according to Condition 43).*

[18 AAC 50.346(b)(3)]