

DEPARTMENT OF ENVIRONMENTAL CONSERVATION
AIR QUALITY OPERATING PERMIT

Permit No. AQ0326TVP02

Issue Date: Public Comment Draft - date
Expiration Date: Five Years

The Department of Environmental Conservation, under the authority of AS 46.14 and 18 AAC 50, issues an operating permit to the Permittee, **Union Oil Company of California**, 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.

Upon effective date of this permit, Operating Permit No. AQ0326TVP01 expires.

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

John F. Kuterbach, Manager
Air Permits Program

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List of Abbreviations Used in this Permit

AAC	Alaska Administrative Code	NESHAPs ...	Federal National Emission Standards for Hazardous Air Pollutants [<i>NESHAPs</i> as contained in 40 C.F.R. 61 and 63]
ADEC.....	Alaska Department of Environmental Conservation	NO _x	Nitrogen Oxides
AS	Alaska Statutes	NSPS	Federal New Source Performance Standards [<i>NSPS</i> as contained in 40 C.F.R. 60]
ASTM	American Society for Testing and Materials	O & M.....	Operation and Maintenance
BACT	Best Available Control Technology	O ₂	Oxygen
BHp.....	Boiler Horsepower	PAL.....	Plantwide Applicability Limitation
C.F.R.....	Code of Federal Regulations	PM-10	Particulate Matter less than or equal to a nominal ten microns in diameter
The Act.....	Clean Air Act	ppm	Parts per million
CO.....	Carbon Monoxide	ppmv, ppmvd	Parts per million by volume on a dry basis
dscf.....	Dry standard cubic foot	psia	Pounds per Square Inch (absolute)
EPA.....	US Environmental Protection Agency	PSD	Prevention of Significant Deterioration
EU	Emission Unit	PTE	Potential to Emit
gr./dscf	grain per dry standard cubic foot (1 pound = 7000 grains)	SIC.	Standard Industrial Classification
GPH.....	gallons per hour	SO ₂	Sulfur dioxide
HAPs.....	Hazardous Air Pollutants [<i>HAPs</i> as defined in AS 46.14.990]	TPH.....	Tons per hour
ID	Emission Unit Identification Number	TPY.....	Tons per year
kPa.....	kiloPascals	VOC	volatile organic compound [<i>VOC</i> as defined in 40 C.F.R. 51.100(s)]
LAER	Lowest Achievable Emission Rate	VOL	volatile organic liquid [<i>VOL</i> as defined in 40 C.F.R. 60.111b, Subpart Kb]
MACT.....	Maximum Achievable Control Technology as defined in 40 C.F.R. 63.	vol%	volume percent
MMBtu/hr ...	Million British thermal units per hour	wt%	weight percent
MMSCF	Million standard cubic feet		
MR&R.....	Monitoring, Recordkeeping, and Reporting		

Section 1. Stationary Source Information

Identification

Names and Addresses

Permittee: Union Oil Company of California
P.O. Box 196247
Anchorage, AK 99519-6247

Stationary Source Name: **Granite Point Tank Farm**

Location: 61° 01' North; 151° 26' West

Physical Address: West Side of Cook Inlet, Alaska

Owner: Union Oil Company of California
P.O. Box 196247
Anchorage, AK 99519-6247

Operator: Mobile Exploration & Producing U.S. Inc.
3000 Pegasus Park Dr.
Dallas, TX 75247

Permittee's Responsible Official: Union Oil Company of California
P.O. Box 196247
Anchorage, AK 99519-6247

Designated Agent: Dale Haines, Union Oil Company of California Alaska
Operations Manager
CT Corporation
9360 Glacier Hwy., Suite 202
Juneau, AK 99801

Stationary Source and Building Contact: Mark Atkins or Allen Dorman, Foreman
Phone: (907) 776-6660
Fax: (907) 776-6665

Fee Contact: Cynthia Espinoza
Phone: (907) 263-7315
cynthia.espinoza@chevron.com

Permit Contact: Dale Haines, Union Oil Company of California Alaska
Operations Manager

Process Description

SIC Code: 1311 - Crude Petroleum and Natural Gas
[18 AAC 50.040(j)(3), 7/25/08 and 18 AAC 50.326(a), 12/1/04]
[40 C.F.R. 71.5(c)(1 & 2), 7/2/07]

Section 2. Emission Unit Inventory and Description

Emission units listed in Table A have specific monitoring, record keeping, or reporting conditions in this permit. Emission unit descriptions and ratings are given for identification purposes only.

Table A - Emission Units Inventory

EU ID	Tag Number	Emission Unit Name	Emission Unit Description	Rating/Size	Construction/Installation Date
1	T-H-0290	Natural Gas Heater	NATCO Heater Treater	5.25 MMBtu/hr	1967
2	T-H-0120	Natural Gas Heater	Line Heater	5.63 MMBtu/hr	1967
3	T-PM-1500	Generator Set	Solar Saturn Turbine 1021S-53	800 kW	1995
4	T-PM-1510	Generator Set Solar Saturn Turbine 1021S-53	Solar Saturn Turbine 1021S-53	800 kW	1995
5	T-PM-1520	Generator Set	Solar Saturn Turbine 1021S-53	800 kW	1995
6	T-V-1524	Glycol Regenerator	TEG Dehydration Unit	10,000 SCF/day	1995

Table Notes:

- 1- These turbines (EU IDs 3, 4 & 5) were constructed in 1977 and relocated to the Granite Point Tank Farm in 1995. Pursuant to 40 C.F.R. 60.14 (e)(6), this relocation is not considered a modification.

[18 AAC 50.326(a), 12/1/04]

[40 C.F.R. 71.5(c)(3), 7/2/07]

Section 3. State Requirements

Visible Emissions Standards

- 1. Industrial Process and Fuel-Burning Equipment Visible Emissions.** The Permittee shall comply with the following:

- 1.1 Do not cause or allow visible emissions, excluding condensed water vapor, emitted from EU IDs 1 through 5 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) & 50.055(a)(1), 7/25/08; and 18 AAC 50.326(j), 12/1/04]
[40 C.F.R. 71.6(a)(1), 7/2/07]

- 1.2 For EU IDs 1 through 5, burn only gas as fuel. Monitoring for these emission unit(s) shall consist of a certification in each operating report under Condition 37 that each of these emission unit(s) fired only gas. Report under Condition 36 if any fuel is burned other than gas.

[18 AAC 50.040(j), 7/25/08; 18 AAC 50.326(j), 12/1/04 and 18 AAC 50.346(c), 11/9/08]
[40 C.F.R. 71.6(a)(3), 7/2/07]

Particulate Matter Emissions Standards

- 2. Industrial Process and Fuel-Burning Equipment Particulate Matter.** The Permittee shall not cause or allow particulate matter emitted from EU IDs 1 through 5 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) & 50.055(b)(1), 7/25/08; and 18 AAC 50.326(j), 12/1/04]
[40 C.F.R. 71.6(a)(1), 7/2/07]

- 2.1 For EU IDs 1 through 5, burn only gas as fuel. Monitoring for these emission unit(s) shall consist of a certification in each operating report under Condition 37 that each of these emission unit(s) fired only gas. Report under Condition 36 if any fuel is burned other than gas.

[18 AAC 50.040(j), 7/25/08; 18 AAC 50.326(j), 12/1/04 and 18 AAC 50.346(c), 11/9/08]
[40 C.F.R. 71.6(a)(3), 7/2/07]

Sulfur Compound Emission Standards Requirements

- 3. Sulfur Compound Emissions.** The Permittee shall not cause or allow sulfur compound emissions, expressed as SO₂, from EU IDs 1 through 5 to exceed 500 ppm averaged over three hours.

[18 AAC 50.040(j) & 18 AAC 50.055(c), 7/25/08 and 18 AAC 50.326(j), 12/1/04]
[40 C.F.R. 71.6(a)(1), 7/2/07]

For fuel gas¹, EU IDs 1-5

- 3.1 Monitoring – The Permittee shall **either**:

¹ *Fuel gas* has the meaning taken as natural gas as defined in 40 C.F.R. 60.41b, effective 7/1/07.

- a. obtain an annual statement from the fuel supplier of the fuel gas H₂S concentration in ppm; **or**
 - b. The Permittee shall analyze a representative sample of the fuel annually to determine the sulfur content using either ASTM D4084, D5504, D4810, D4913, D6228 or GPA Standard 2377, or a listed method approved in 18 AAC 50.035(b)-(c) and 40 C.F.R. 60.17 incorporated by reference in 18 AAC 50.040(a)(1).
- 3.2 Recordkeeping - Keep records of the annual statement from the fuel supplier or the sulfur content analysis required under Conditions 3.1a or 3.1b.
- 3.3 Reporting -
- a. Report as excess emissions, in accordance with Condition 36, whenever the fuel combusted causes sulfur compound emissions to exceed the standard of Condition 3.
 - b. Include copies of the records required by Condition 3.2 with the stationary source operating report required by Condition 37 for the period covered by the report.

[18 AAC 50.040(j), 7/25/08 and 18 AAC 50.326(j)(4), 12/1/04]
[40 C.F.R. 71.6(a)(3) & (c)(6), 7/2/07]

Insignificant Emission Units

4. For emission 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:
 - 4.1 The Permittee shall not cause or allow visible emissions, excluding condensed water vapor, emitted from an industrial process, fuel-burning equipment, or an incinerator to reduce visibility through the exhaust effluent by more than 20 percent averaged over any six consecutive minutes.

[18 AAC 50.050(a) & 50.055(a)(1), 7/25/08]
 - 4.2 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), 7/25/08]
 - 4.3 The Permittee shall not cause or allow sulfur compound emissions, expressed as SO₂, from an industrial process or fuel-burning equipment, to exceed 500 ppm averaged over three hours.

[18 AAC 50.055(c), 7/25/08]
 - 4.4 General MR&R for Insignificant Emission Units

- a. The Permittee shall submit the compliance certifications of Condition 38 based on reasonable inquiry for Condition 4;
- b. The Permittee shall comply with the requirements of Condition 15;
- c. The Permittee shall report in the operating report required by Condition 37 if an emission unit is insignificant because of actual emissions less than the thresholds of 18 AAC 50.326(e) and actual emissions become greater than any of those thresholds.

[18 AAC 50.346(b)(4), 11/9/08]

Section 4. Federal Requirements

Emission Units/Stationary Sources Subject to Federal National Emission Standards for Hazardous Air Pollutants (HAPs)

40 C.F.R. Part 63, Subpart HH - National Emission Standards for Hazardous Air Pollutants From Oil and Natural Gas Production Facilities - EU ID 6 (Triethylene glycol (TEG) dehydration unit), Area Source² Provisions

5. The Permittee shall comply with the specific requirements of Subpart HH applicable to EU ID 6 listed below.

[18 AAC 50.040, 7/25/08]
[40 C.F.R. 63.760(f)(3)(ii), 7/16/07]

- 5.1 Recordkeeping Requirements. Maintain records of the actual annual average natural gas throughput (in terms of natural gas flow rate to the glycol dehydration unit per day), as determined in accordance with 40 C.F.R. 63.772(b)(1) and Condition 5.2, or alternatively, maintain records of the determination of actual average benzene emissions (in terms of benzene emissions per year), in accordance with 40 C.F.R. 63.772(b)(2) and Condition 5.3.

[18 AAC 50.040, 7/25/08]
[40 C.F.R. 63.774(d)(1)(i) and (ii), 7/16/07]

- 5.2 Test Methods, Compliance Procedures, and Compliance Demonstrations. The actual annual average natural gas throughput shall be determined as follows:
- Install and operate a monitoring instrument that directly measures natural gas flow rate to the glycol dehydration unit with an accuracy of plus or minus 2 percent or better. The owner or operator shall convert annual natural gas flow rate to a daily average by dividing the annual flow rate by the number of days per year the glycol dehydration unit processed natural gas; or
 - The owner or operator shall document, to the Administrator's satisfaction, that the actual annual average natural gas flow rate to the glycol dehydration unit is less than 85 thousand standard cubic meters per day.

[18 AAC 50.040, 7/25/08]
[40 C.F.R. 63.772(b)(1), 7/16/07]

- 5.3 Test Methods, Compliance Procedures, and Compliance Demonstrations. The actual annual average actual average benzene emissions shall be determined as indicated below. Emissions shall be determined either uncontrolled, or with federally enforceable controls in place.

² Area Source means any stationary source or group of stationary sources located that emits or has the potential to emit, less than 10 tpy of any hazardous air pollutant which has been listed pursuant to section 112(b) of the Act, and less than 25 tpy of any combination of such hazardous air pollutants. The Granite Point Tank Farm is an area source of HAPs.

- a. Determine actual average benzene emissions using the model GRI-GLYCalcTM, Version 3.0 or higher, and the procedures presented in the associated GRI-GLYCalcTM Technical Reference Manual. Inputs to the model shall be representative of actual operating conditions of the glycol dehydration unit and may be determined using the procedures documented in the Gas Research Institute (GRI) report entitled "Atmospheric Rich/Lean Method for Determining Glycol Dehydrator Emissions" (GRI-95/0368.1); or
- b. Determine an average mass rate of benzene emissions in kilograms per hour through direct measurement using the methods in 40 C.F.R. 63.772(a)(1)(i) or (ii), or an alternative method according to 40 C.F.R. 63.7(f). Annual emissions in kilograms per year shall be determined by multiplying the mass rate by the number of hours the unit is operated per year. This result shall be converted to megagrams per year.

[18 AAC 50.040, 7/25/08]
[40 C.F.R. 63.772(b)(2), 7/16/07]

5.4 General Standards.

- a. Table 2 of Subpart HH specifies the provisions of Subpart A (General Provisions) of this part that apply and those that do not apply to owners and operators of affected sources subject to this subpart.
- b. All reports required under this subpart shall be sent to the Administrator at the appropriate address listed in 40 C.F.R. 63.13. Reports may be submitted on electronic media.

[18 AAC 50.040, 7/25/08]
[40 C.F.R. 63.764(a) & (b), 7/16/07]

5.5 Reporting Requirements. The reporting provisions of Subpart A of this part, that apply and those that do not apply to owners and operators of sources subject to this subpart are listed in Table 2 of Subpart HH.

[18 AAC 50.040, 7/25/08]
[40 C.F.R. 63.775(a), 7/16/07]

Section 5. General Conditions

Standard Terms and Conditions

6. 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), 12/1/04 and 18 AAC 50.345(a) & (e), 11/9/08]

7. 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), 12/1/04 and 18 AAC 50.345(a) & (f), 11/9/08]

8. The permit does not convey any property rights of any sort, nor any exclusive privilege.

[18 AAC 50.326(j)(3), 12/1/04 and 18 AAC 50.345(a) & (g), 11/9/08]

9. **Administration Fees.** The Permittee shall pay to the Department all assessed permit administration fees. Administration fee rates are set out in 18 AAC 50.400-405.

[18 AAC 50.326(j)(1), 12/1/04; 18 AAC 50.400, 7/25/08; 18 AAC 50.403, 12/3/05 and 18 AAC 50.405, 1/29/05]
[AS 37.10.052(b), 11/04 and AS 46.14.240, 6/7/03]

10. **Assessable Emissions.** 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 assessable emission fee rate is set out in 18 AAC 50.410(b). The Department will assess fees per ton of each air pollutant that the stationary source emits or has the potential to emit in quantities greater than 10 tons per year. The quantity for which fees will be assessed is the lesser of

10.1 the stationary source's assessable potential to emit of 565.9 TPY; or

10.2 the stationary source's projected annual rate of emissions that will occur from July 1 to the following June 30, based upon actual annual emissions emitted during the most recent calendar year or another 12-month period approved in writing by the Department, when demonstrated by

- 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.

[18 AAC 50.040(j)(3) 7/25/08; 18 AAC 50.326(j)(1), 12/1/04; 18 AAC 50.035 and 18 AAC 50.346(b)(1), 11/9/08;
18 AAC 50.410, 6/18/09; and 18 AAC 50.420, 1/29/05]
[40 C.F.R. 71.5(c)(3)(ii), 7/2/07]

11. Assessable Emission Estimates. Emission fees will be assessed as follows:

11.1 no later than March 31 of each year, the Permittee may submit an estimate of the stationary source's assessable emissions to ADEC, Air Permits Program, ATTN: Assessable Emissions Estimate, 410 Willoughby Ave., Juneau, AK 99801-1795; the submittal must include all of the assumptions and calculations used to estimate the assessable emissions in sufficient detail so the Department can verify the estimates; or

11.2 if no estimate is submitted on or before March 31 of each year, emission fees for the next fiscal year will be based on the potential to emit set forth in Condition 10.1.

[18 AAC 50.040(j)(3), 7/25/08; 18 AAC 50.326(j)(1), 12/1/04; 18AAC 50.346(b)(1), 11/9/08,
18 AAC 50.410, 6/18/09; and 18 AAC 50.420, 1/29/05]
[40 C.F.R. 71.5(c)(3)(ii), 7/2/07]

12. 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), 10/1/04]

13. 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.

[18 AAC 50.045(d), 10/1/04; 18 AAC 50.040(e), 7/25/08; 18 AAC 50.326(j)(3), 12/1/04
and 18 AAC 50.346(c), 11/9/08]

13.1 The Permittee shall report according to Condition 15.

14. 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 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), 7/25/08]

15. 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 50.110, 5/26/72; 18 AAC 50.040(e), 7/25/08; 18 AAC 50.326(j)(3), 12/1/04
and 18 AAC 50.346(a), 11/9/08]
[40 C.F.R. 71.6(a)(3), 7/2/07]

15.1 Monitoring, Record Keeping, and Reporting for Air Pollution Prohibited

a. If emissions present a potential threat to human health or safety, the Permittee shall report any such emissions according to Condition 36.

- b. 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 15.
- 15.2 The Permittee shall initiate and complete corrective action necessary to eliminate any violation identified by a complaint or investigation as soon as practicable if
- a. 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 15; or
 - b. the Department notifies the Permittee that it has found a violation of Condition 15.
- 15.3 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 15; and
 - d. any corrective actions taken or planned for complaints attributable to emissions from the stationary source.
- 15.4 With each stationary source operating report under Condition 37, the Permittee shall include a brief summary report which must include
- a. the number of complaints received;
 - b. the number of times the Permittee or the Department found corrective action necessary;
 - c. the number of times action was taken on a complaint within 24 hours; and
 - d. the status of corrective actions the Permittee or Department found necessary that were not taken within 24 hours.
- 15.5 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.

- 16. Technology-Based Emission Standard.** If an unavoidable emergency, malfunction, or non-routine repair, as defined in 18 AAC 50.235(d), causes emissions in excess of a technology-based emission standard³ listed in Condition 18 (refrigerants), the Permittee shall take all reasonable steps to minimize levels of emissions that exceed the standard. Excess emissions reporting under Condition 36 requires information on the steps taken to minimize emissions. Monitoring of compliance for this condition consists of the report required under Condition 36.

[18 AAC 50.235(a), 10/1/04; 18 AAC 50.326(j)(4), 12/1/04 and 18 AAC 50.040(j)(4), 7/25/08]
[40 C.F.R. 71.6(c)(6), 7/2/07]

- 17. Asbestos NESHAP.** The Permittee shall comply with the 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), 7/25/08 and 18 AAC 50.326(j), 12/1/04]
[40 C.F.R. 61, Subparts A & M, and Appendix A, 5/16/07]

- 18. Refrigerant Recycling and Disposal.** The Permittee shall comply with the standards for recycling and emission reduction of refrigerants set forth in 40 C.F.R. 82, Subpart F.

[18 AAC 50.040(d), 7/25/08 & 18 AAC 50.326(j), 12/1/04]
[40 C.F.R. 82, Subpart F, 7/1/07]

NESHAPs Applicability Determinations

- 19.** The Permittee shall determine rule applicability and designation of affected sources under National Emission Standards for Hazardous Air Pollutants (NESHAPs) for Source Categories (40 C.F.R. 63) in accordance with the procedures described in 40 C.F.R. 63.1(b) and 63.10(b)(3). If a source becomes affected by an applicable subpart of 40 C.F.R. 63, Permittee 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).

19.1 If the Permittee determines that the source is in the source category regulated by the relevant standard, but the source is not subject to a relevant standard or other requirement established under 40 C.F.R. 63 because of limitations on the source's potential to emit or an exclusion, the Permittee must keep a record of the applicability determination on site for a period of 5 years after the determination or until the source changes its operations to become an affected source, whichever comes first. The record of the applicability determination must be signed by the person making the determination and include an analysis (or other information) that demonstrates why the Permittee believes the source is unaffected. The analysis (or other information) must be sufficiently detailed to allow the Department to make a finding about the source's applicability status with regard to the relevant standard or other requirement.

[18 AAC 50.040(c)(1)(A) & (E) & 50.040(j), 7/25/08; 18 AAC 50.326(j), 12/1/04]

³ *Technology-based emission standard* means a best available control technology standard (BACT); a lowest achievable emission rate standard (LAER); a maximum achievable control technology 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.

[40 C.F.R. 71.6(a)(3)(ii), 7/2/07]
[40 C.F.R. 63.1(b), 63.6(c)(1), & 63.10(b)(3), 7/16/07]

Halon Prohibitions, 40 C.F.R. 82

- 20.** The Permittee shall comply with the following 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), 7/25/08]
[40 C.F.R. 82.174 (b) - (d), 7/1/07]

- 20.1 Do not use a substitute which a person knows or has reason to know was manufactured, processed, or imported in violation of the regulations of 40 C.F.R. 82 Subpart G or knows or has reason to know was manufactured, processed, or imported in violation of any use restriction in the acceptability determination, after the effective date of any rulemaking imposing such restrictions.
- 20.2 Do not use a substitute without adhering to any use restrictions set by the acceptability decision, after the effective date of any rulemaking imposing such restrictions.
- 20.3 Do not use a substitute after the effective date of any rulemaking adding such substitute to the list of unacceptable substitutes.

- 21.** The Permittee shall comply with the following prohibitions set out in 40 C.F.R. 82.270.

[18 AAC 50.040(d), 7/25/08]
[40 C.F.R. 82.270 (b)-(f), 7/1/07]

- 21.1 No person testing, maintaining, servicing, repairing, or disposing of halon-containing equipment or using such equipment for technician training may knowingly vent or otherwise release into the environment any halons used in such equipment, as follows:
- 21.2 De minimis releases associated with good faith attempts to recycle or recover halon are not subject to this prohibition.
- 21.3 Release of residual halon contained in fully discharged total flooding fire extinguishing systems would be considered a de minimis release associated with good faith attempts to recycle or recover halon.
- 21.4 Release of halons during testing of fire extinguishing systems is not subject to this prohibition if the following Conditions 21.4a - 21.4d are met:
- a. systems or equipment employing suitable alternative fire extinguishing agents are not available;
 - b. system or equipment testing requiring release of extinguishing agent is essential to demonstrate system or equipment functionality;

- c. failure of the system or equipment would pose great risk to human safety or the environment; and
 - d. a simulant agent cannot be used in place of the halon during system or equipment testing for technical reasons.
- 21.5 Releases of halons associated with research and development of halon alternatives, and releases of halons necessary during analytical determination of halon purity using established laboratory practices are exempt from this prohibition.
- 21.6 This prohibition does not apply to qualification and development testing during the design and development process of halon-containing systems or equipment when such tests are essential to demonstrate system or equipment functionality and when a suitable simulant agent cannot be used in place of the halon for technical reasons.
- 21.7 This prohibition does not apply to the emergency release of halons for the legitimate purpose of fire extinguishing, explosion inerting, or other emergency applications for which the equipment or systems were designed.
- 21.8 Organizations that employ technicians who test, maintain, service, repair or dispose of halon-containing equipment shall take appropriate steps to ensure that technicians hired on or before April 6, 1998 will be trained regarding halon emissions reduction by September 1, 1998. Technicians hired after April 6, 1998 shall be trained regarding halon emissions reduction within 30 days of hiring.
- 21.9 No person shall dispose of halon-containing equipment except by sending it for halon recovery to a manufacturer operating in accordance with NFPA⁴ 10 and NFPA 12A standards, a fire equipment dealer operating in accordance with NFPA 10 and NFPA 12A standards or a recycler operating in accordance with NFPA 10 and NFPA 12A standards. This provision does not apply to ancillary system devices such as electrical detection control components which are not necessary to the safe and secure containment of the halon within the equipment, to fully discharged total flooding systems, or to equipment containing only de minimis quantities of halons.
- 21.10 No person shall dispose of halon except by sending it for recycling to a recycler operating in accordance with NFPA 10 and NFPA 12A standards, or by arranging for its destruction using one of the following controlled processes:
- a. Liquid injection incineration;
 - b. Reactor cracking;
 - c. Gaseous/fume oxidation;
 - d. Rotary kiln incineration;

⁴ National Fire Protection Association

- e. Cement kiln;
- f. Radio frequency plasma destruction; or
- g. An EPA-approved destruction technology that achieves a destruction efficiency of 98 percent or greater.

21.11 No owner of halon-containing equipment shall allow halon release to occur as a result of failure to maintain such equipment.

Open Burning Requirements

22. Open Burning. The Permittee shall not conduct open burning at this stationary source.

[18 AAC 50.065, 1/18/97]

Section 6. General Source Testing and Monitoring Requirements

- 23. 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), 10/1/04 and 18 AAC 50.345(a) & (k), 11/9/08]

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

[18 AAC 50.220(b), 10/1/04]

24.1 at a point or points that characterize the actual discharge into the ambient air; and

24.2 at the maximum rated burning or operating capacity of the source or another rate determined by the Department to characterize the actual discharge into the ambient air.

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

25.1 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 and may use the form in Section 11 to record data.

[18 AAC 50.030, 11/9/08, and 18 AAC 50.220(c)(1)(D), 10/1/04]

25.2 Source testing for emissions of PM-10 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), 11/9/08; and 50.220(c)(1)(F), 10/1/04]
[40 C.F.R. 51, Appendix M, 7/1/07]

25.3 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)(24), 7/25/08 and 50.220(c)(2), 10/1/04]
[40 C.F.R. 63, Appendix A, Method-301, 7/16/07]

- 26. 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 source 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), 10/1/04 and 50.990(102), 7/25/08]

- 27. Test Exemption.** The Permittee is not required to comply with Conditions 29, 30 and 31 when the exhaust is observed for visible emissions by Method-9 Plan.

[18 AAC 50.345(a), 11/9/08]

28. 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), 11/9/08]

29. Test Plans. Except as provided in Condition 27, 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 source 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 23 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 performed without resubmitting the plan.

[18 AAC 50.345(a) & (m), 11/9/08]

30. Test Notification. Except as provided in Condition 27, 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), 11/9/08]

31. Test Reports. Except as provided in Condition 27, within 60 days after completing a source test, the Permittee shall submit two copies 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 additionally certify the results in the manner set out in Condition 33. 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), 11/9/08]

Section 7. General Recordkeeping and Reporting Requirements

Recordkeeping Requirements

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

[18 AAC 50.326(j), 12/1/04]
[40 C.F.R 60.7(f), Subpart A, 7/1/07 and 71.6(a)(3)(ii)(B), 7/2/07]

- 32.1 copies of all reports and certifications submitted pursuant to this section of the permit; and
- 32.2 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.

Reporting Requirements

- 33. 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.

- 33.1 The Department may accept an electronic signature on an electronic application or other electronic record required by the Department if
- a. a certifying authority registered under AS 09.25.510 verifies that the electronic signature is authentic; and
 - b. the person providing the electronic signature has made an agreement, with the certifying authority described in Condition 33.1a, that the person accepts or agrees to be bound by an electronic record executed or adopted with that signature.

[18 AAC 50.345(a) & (j), 11/9/08; 18 AAC 50.205, 10/1/04; and 18 AAC 50.326(j), 12/1/04]
[40 C.F.R. 71.6(a)(3)(iii)(A), 7/2/07]

- 34. Submittals.** Unless otherwise directed by the Department or this permit, the Permittee shall send an original and one copy of reports, compliance certifications, and other submittals required by this permit to **ADEC, Air Permits Program, 610 University Ave., Fairbanks, AK 99709-3643, ATTN: Compliance Technician.** The Permittee may, upon consultation with the Compliance Technician regarding software compatibility, provide electronic copies of data reports, emission source test reports, or other records under a cover letter certified in accordance with Condition 33.

[18 AAC 50.326(j), 12/1/04]
[40 C.F.R. 71.6(a)(3)(iii)(A), 7/2/07]

- 35. 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), 11/9/08; 18 AAC 50.200, 10/1/04; and 18 AAC 50.326(a) & (j), 12/1/04]
[40 C.F.R. 71.5(a)(2) & 71.6(a)(3), 7/2/07]

- 36. Excess Emissions and Permit Deviation Reports.**

[18 AAC 50.235(a)(2), & 50.240(c), 10/1/04; 18 AAC 50.326(j)(3), 12/1/04
and 18 AAC 50.346(b)(2) & (3), 11/9/08]

36.1 Except as provided in Condition 15, the Permittee shall report all emissions or operations that exceed or deviate from the requirements of this permit as follows:

- a. in accordance with 18 AAC 50.240(c), as soon as possible after the event commenced or is discovered, report
 - (i) 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. report all other excess emissions and permit deviations
 - (i) within 30 days of the end of the month in which the emissions or deviation occurs, except as provided in Conditions 36.1c(ii) and 36.1c(iii);
 - (ii) if a continuous or recurring excess emissions is not corrected within 48 hours of discovery, within 72 hours of discovery unless the Department provides written permission to report under Condition 36.1c(i); and

(iii) for failure to monitor, as required in other applicable conditions of this permit.

36.2 When reporting excess emissions or permit deviations, the Permittee must report using either the Department's on-line form, which can be found at <http://www.dec.state.ak.us/air/ap/site.htm> or <https://myalaska.state.ak.us/deca/air/airtoolsweb/>, 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.

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

37. Operating Reports. During the life of this permit⁵, the Permittee shall submit to the Department an original and one copy of an operating report 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.

[18 AAC 50.346(a), 11/9/08 and 18 AAC 50.326(j), 12/1/04]
[40 C.F.R. 71.6(a)(3)(iii)(A), 7/2/07]

37.1 The operating report must include all information required to be in operating reports by other conditions of this permit. The Permittee may, upon consultation with the Compliance Technician regarding software compatibility, provide electronic copies of data reports, emission source test reports, or other records under a cover letter certified in accordance with Departmental submission requirements

37.2 If excess emissions or permit deviations that occurred during the reporting period are not reported under Condition 37.1, either

- a. The Permittee shall identify
 - (i) the date of the deviation;
 - (ii) the equipment involved;
 - (iii) the permit condition affected;
 - (iv) a description of the excess emissions or permit deviation; and
 - (v) any corrective action or preventive measures taken and the date of such actions; or
- b. When excess emissions or permit deviations have already been reported under Condition 36 the Permittee shall cite the date or dates of those reports.

⁵ "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.

37.3 **Transition from expired to renewed permit.** For the first period of this renewed operating permit, also provide the previous permit's facility operating report elements covering that partial period immediately preceding the effective date of this renewed permit.

38. Annual Compliance Certification. Each year by March 31, the Permittee shall compile and submit to the Department one original⁶ and one copy of an annual compliance certification report. The Permittee, at their discretion, may submit one copy in electronic format (PDF or other Department compatible image format).

38.1 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;

38.2 **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.

38.3 In addition, submit a copy of the report directly to the US EPA, Region 10, 1200 Sixth Avenue, Suite 900 (AWT-107), Seattle, WA 98101.

[18 AAC 50.205, 10/1/04; 18 AAC 50.345(a) & (j), 11/9/08; and 50.326(j), 12/1/04]
[40 C.F.R. 71.6(c)(5), 7/2/07]

39. NSPS and NESHAP Reports. The Permittee shall:

39.1 attach to the facility operating report required by Condition 37, a copy of any NSPS and NESHAPs reports submitted to the U.S. Environmental Protection Agency (EPA) Region 10; and

39.2 upon request by the Department, notify and provide a written copy of any EPA-granted alternative monitoring requirement, custom monitoring schedule or waiver of the federal emission standards, record keeping, monitoring, performance testing, or reporting requirements.

[18 AAC 50.326(j)(4), 12/1/04; and 18 AAC 50.040(j), 7/25/08]
[40 CFR 60.13, 7/2/07 and 40 C.F.R. 71.6(c)(6), 7/2/07]

⁶ See Condition 38.2 for clarification on number of reports required.

Section 8. Permit Changes and Renewal

40. Permit Applications and Submittals: The Permittee shall comply with the following requirements for submitting application information to the US Environmental Protection Agency (EPA):

- 40.1 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;
- 40.2 The information shall be submitted to the same address as in Condition 38.3.
- 40.3 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
- 40.4 The Permittee shall maintain records as necessary to demonstrate compliance with this condition.

[18 AAC 50.040(j)(7), 18 AAC 50.326(b), 12/1/04]
[40 C.F.R. 71.10(d)(1), 7/2/07]

41. 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), 7/25/08 and 18 AAC 50.326(j), 12/1/04]
[40 C.F.R. 71.6(a)(8), 7/2/07]

42. 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. Part 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:

[18 AAC 50.040(j)(4), 7/25/08 and 18 AAC 50.326(j), 12/1/04]
[40 C.F.R. 71.6(a)(12), 7/2/07]

- 42.1 Each such change shall meet all applicable requirements and shall not violate any existing permit term or condition;
- 42.2 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;
- 42.3 The change shall not qualify for the shield under 40 C.F.R. 71.6(f);

42.4 The Permittee shall keep a record describing changes made at the 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.

43. Operational Flexibility. The Permittee may make 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):

43.1 The Permittee shall provide EPA and the Department with a notification no less than 7 days in advance of the proposed change.

43.2 For each such change, the written notification required above 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.

43.3 The permit shield described in 40 C.F.R. 71.6(f) shall not apply to any change made pursuant to Condition 43.

[18 AAC 50.040(j)(4), 7/25/08 and 18 AAC 50.326(j), 12/1/04]
[40 C.F.R. 71.6(a)(13), 7/2/07]

44. Permit Renewal. To renew this permit, the Permittee shall submit an application under 18 AAC 50.326 no sooner than **[18 months before]** 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 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), 7/25/08 and 18 AAC 50.326(c)(2) & (j)(2), 12/1/04]
[40 C.F.R. 71.5(a)(1)(iii) and 71.7(b) & (c)(1)(ii), 7/2/07]

45. Permit Applications. The Permittee shall send original applications for modification, or renewal of this permit and application addenda to the Department's Anchorage office⁷. In addition, the Permittee may provide electronic copies of application documents; portable document format (PDF) or MS Word are acceptable formats.

[18 AAC 50.326(j), 12/1/04]
[40 C.F.R. 71.7(a)(1)(i), 7/2/07]

⁷ The current address for the Anchorage office is: ADEC, 619 East Ship Creek, Suite 249, Anchorage, AK 99501

46. The Permittee shall submit to the US Environmental Protection Agency (EPA) to the same address as in Condition 38.3

46.1 a copy of any application for modification, or renewal of this permit and application addenda, at the time the application or addendum is submitted to the Department;

46.2 to the extent practicable, the Permittee shall provide to EPA applications in computer-readable format compatible with EPA's national database management system. In the interim until EPA implements such system, portable document format (PDF) or MS Word are acceptable formats.

[18 AAC 50.040(j)(7), 7/25/08; and 18 AAC 50.326(b), 12/1/04]

[40 C.F.R. 70.10(d)(1)), 7/2/07]

Section 9. Compliance Requirements

General Compliance Requirements

- 47.** Compliance with permit terms and conditions is considered to be compliance with those requirements that are
- 47.1 included and specifically identified in the permit; or
 - 47.2 determined in writing in the permit to be inapplicable.
[18 AAC 50.326(j)(3), 12/1/04; and 18 AAC 50.345(a) & (b), 11/9/08]
- 48.** The Permittee must comply with each permit term and condition. Noncompliance with a permit term or condition constitutes a violation of AS 46.14.120(c), 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
- 48.1 an enforcement action;
 - 48.2 permit termination, revocation and reissuance, or modification in accordance with AS 46.14.280; or
 - 48.3 denial of an operating permit renewal application.
[18 AAC 50.326(j)(3), 12/1/04; and 18 AAC 50.345(a) & (c), 11/9/08]
- 49.** 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), 12/1/04; and 18 AAC 50.345(a) & (d), 11/9/08]
- 50.** 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
- 50.1 enter upon the premises where a source subject to the permit is located or where records required by the permit are kept;
 - 50.2 have access to and copy any records required by the permit;
 - 50.3 inspect any stationary source, equipment, practices, or operations regulated by or referenced in the permit; and
 - 50.4 sample or monitor substances or parameters to assure compliance with the permit or other applicable requirements.
[18 AAC 50.326(j)(3), 12/1/04 and 18 AAC 50.345(a) & (h), 11/9/08]

- 51.** For applicable requirements with which the Granite Point Tank Farm is in compliance, the Permittee will continue to comply with such requirements.

[18 AAC 50.040(j), 7/25/08 & 18 AAC 50.326(j), 12/1/04]

[40 C.F.R. 71.6(c)(3) & 71.5(c)(8)(iii)(A), 7/2/07]

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 Granite Point Tank Farm.

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

52.1 The provisions of Section 303 of the Act (emergency orders), including the authority of the Administrator under that section; or

52.2 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 50.326(j), 12/1/04]
 [40 C.F.R. 71.6(f)(3)(i) and (ii), 7/2/07]

53. Table B identifies the emission 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 50.326(j), 12/1/04]
 [40 C.F.R. 71.6(f)(1)(ii), 7/2/07]

Table B - Permit Shields Granted

EU ID	Non-Applicable Requirements	Reason for non-applicability
Portable Incinerators (Insignificant Activity)	40 C.F.R. 60, Subpart Cb	The portable incinerators have a capacity to burn less than 250 tons of municipal waste per day or refuse derived fuel. Therefore, the requirements of Subpart Cc do not apply.
Portable Incinerators (Insignificant Activity)	40 C.F.R. 60, Subpart Cc	This stationary source is not a Municipal Solid Waste landfill. Therefore, the requirements of Subpart Cc do not apply.
Portable Incinerators (Insignificant Activity)	40 C.F.R. 60, Subparts Ce, Ec	The portable incinerators at this stationary source do not combust hospital, medical, or infectious waste. Therefore, the requirements of Subparts Ce and Ec do not apply.
Portable Incinerators (Insignificant Activity)	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.
Portable Incinerators (Insignificant Activity)	40 C.F.R. 60, Subparts Ea, Eb, AAAA, and BBBB	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, Eb, AAAA, and BBBB do not apply.

EU ID	Non-Applicable Requirements	Reason for non-applicability
Portable Incinerators (Insignificant Activity)	40 C.F.R. 60, Subpart CCCC	Per 40 C.F.R. 60.2020(c)(2) an exemption from 40 C.F.R. 60, Subpart CCCC is available for units that burn greater than 30 percent municipal solid waste or refuse-derived fuel. The Permittee has provided the notification required by 40 C.F.R. 60.2020(c)(2)(i), and is keeping records on a calendar quarter basis of the weight of municipal solid waste burned, and the weight of all other fuels and wastes burned as required by 40 C.F.R. 60.2020(c)(2)(ii).
Portable Incinerators (Insignificant Activity)	40 C.F.R. 60, Subpart DDDD	The requirements of 40 C.F.R. 60, Subpart DDDD apply to an Administrator of an air quality program in a State or United States protectorate with one or more existing CISWI units. Additionally, these units did not commence construction on or before November 30, 1999. Therefore, Subpart DDDD does not apply to this stationary source
Portable Incinerators (Insignificant Activity)	40 C.F.R. 60, Subparts EEEE and FFFF	The OSWI rules apply only to Very Small Municipal Waste Combustors (VSMWC) and Institutional waste Incinerators (IWI) units. The portable incinerators at this stationary source are not VSMWC because the units have not and will not burn municipal solid waste collected from multiple sites. The incinerators are not IWI because they are not located at an institutional facility (reference: clarifying language in December 16, 2005 Federal Register, p. 74878). Therefore, the requirements of Subparts EEEE and FFFF do not apply.
Portable Incinerators (Insignificant Activity)	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.
EU IDs 3, 4, and 5 (Turbines)	40 C.F.R. 60, Subpart KKKK	Each turbine is less than the 10 MMBtu/hr applicability threshold (each is approx. 2.7 MMBtu/hr). Additionally, these units were not constructed, modified, or reconstructed after February 18, 2005. Therefore, the turbines at this stationary source are not subject to Subpart KKKK.
EU IDs 3, 4, and 5 (Turbines)	40 C.F.R. 63, Subpart YYYY	40 C.F.R. 63, Subpart YYYY applies to turbines located at a major stationary source of HAPs. This stationary source is not a major source of HAPs. Therefore, the requirements of Subpart YYYY do not apply.

EU ID	Non-Applicable Requirements	Reason for non-applicability
Storage Vessels for Petroleum Liquids (Insignificant Activity)	40 C.F.R. 60, Subparts K, Ka, and Kb	All storage vessels for petroleum liquids at this stationary source were constructed, reconstructed, or modified prior to June 11 1973. Therefore, the requirements of Subparts K, Ka, and Kb do not apply. Permit shields for Subparts K, Ka, and Kb only apply to currently installed units until modified or reconstructed.
EU IDs 3, 4, and 5 (Turbines)	40 C.F.R. 60, Subpart GG	Turbines EU IDs 3, 4, and 5 were constructed prior to October 3, 1977. This rule applies to stationary combustion turbines which commenced construction, modification, or reconstruction after October 3, 1977.
Source-wide	40 C.F.R. 60, Subparts Cc, Cd, D, Da, Db, Dc, F, G, H, I, J, JA, L, M, N, NA, O, P, Q, R, S, T, U, V, W, X, Y, Z, AA, BB, CC, DD, EE, HH, KK, LL, MM, NN, PP, QQ, RR, SS, TT, UU, VV, VVA, WW, XX, AAA, BBB, DDD, FFF, GGG, GGGA, HHH, III, JJJ, NNN, OOO, PPP, QQQ, RRR, SSS, TTT, UUU, VVV, WWW, HHHH, IIII, and JJJJ	There are no affected facilities, operations, or industries at this stationary source.
Source-wide	40 C.F.R. 60, Subpart KKK	This stationary source does not have any affected equipment that was constructed, reconstructed, or modified after January 20, 1984. Pursuant to 40 C.F.R. 60.631, equipment means each pump, pressure relief device, open-ended valve or line, valve, compressor, and flange or other connector that is in VOC service or in wet gas service, and any device or system required by this subpart. Therefore, the requirements of Subpart KKK do not apply.
Source-wide	40 C.F.R. 60, Subpart LLL	Pursuant to 40 C.F.R. 60.641, affected equipment includes each sweetening unit, and each sweetening unit followed by a sulfur recovery unit. This stationary source does not have any sweetening units. Therefore, the requirements of Subpart LLL do not apply.
Portable Incinerators (Insignificant Activity)	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.
EU IDs 3, 4, and 5 (Turbines)	40 C.F.R. 63, Subpart YYYYY	40 C.F.R. 63, Subpart YYYYY applies to turbines located at a major stationary source of HAPs. This stationary source is not a major source of HAPs. Therefore, the requirements of Subpart YYYYY do not apply.

EU ID	Non-Applicable Requirements	Reason for non-applicability
EU IDs 1 and 2 (Process Heaters)	40 C.F.R. 63, Subpart DDDDD	40 C.F.R. 63, Subpart DDDDD applies to boilers and process heaters located at stationary sources that are major for HAPs. This stationary source is not a major source of HAPs. Also, 40 C.F.R. 63, Subpart DDDDD is presently vacated. Therefore, the requirements of Subpart DDDDD do not apply.
Source-wide	40 C.F.R. 63, Subparts F, G, I, J, L, M, N, O, Q, S, T, U, W, X, AA, BB, DD, EE, GG, II, JJ, KK, LL, MM, PP, QQ, RR, XX, YY, CCC, DDD, GGG, III, JJJ, LLL, MMM, NNN, OOO, PPP, QQQ, RRR, TTT, UUU, VVV, XXX, AAAA, CCCC, DDDD, EEEE, FFFF, GGGG, HHHH, IIII, JJJJ, KKKK, MMMM, NNNN, OOOO, PPPP, QQQQ, RRRR, SSSS, TTTT, UUUU, VVVV, WWWW, XXXX, ZZZZ, AAAAA, BBBBB, CCCCC, EEEEE, FFFFF, GGGGG, HHHHH, IIIII, JJJJJ, KKKKK, LLLLL, MMMMM, NNNNN, PPPPP, QQQQQ, RRRRR, SSSSS, TTTTT, WWWW, YYYYY, ZZZZ, DDDDD, EEEEE, FFFFF, GGGGG, HHHHH, LLLLL, MMMMM, NNNNN, OOOOO, PPPPP, QQQQQ, RRRRR, SSSSS, TTTTT, WWWW, XXXXX, YYYYY, and ZZZZZ	There are no “affected facilities” as this stationary source.
Source-wide	40 C.F.R. 63, Subpart R	40 C.F.R. 63, Subpart R applies to bulk gasoline terminals and pipeline breakout stations located at a major source of HAPs. This stationary source is not a major source of HAPs. Therefore, the requirements of Subpart R do not apply.
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.
Source-wide	40 C.F.R. 63, Subpart CC	This stationary source is not a petroleum refinery. Therefore, the requirements of Subpart CC do not apply.
Source-wide	40 C.F.R. 63, Subparts H, OO, SS, TT, UU, VV, and WW	There are no other applicable rules that require compliance with 40 C.F.R. 63, Subparts H, OO, SS, TT, UU, or VV. Therefore, the requirements of Subparts H, OO, SS, TT, UU, VV, and WW do not apply.

EU ID	Non-Applicable Requirements	Reason for non-applicability
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 hazardous air pollutants (HAP) emissions as defined in 40 C.F.R. 63.1271. The Granite Point Tank Farm is not a major source of HAP emissions. Therefore, the requirements of Subpart HHH do not apply.
Source-wide	40 C.F.R. 63, Subpart BBBB	40 C.F.R. 63, Subpart BBBB 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, which commenced construction after November 9, 2006. This stationary source does not have any "affected facilities" that were constructed after November 9, 2006. Therefore, the requirements of Subpart BBBB do not apply.
Source-wide	40 C.F.R. 63, Subpart CCCC	40 C.F.R. 63, Subpart CCCC applies to storage tanks and associated equipment components in vapor or liquid gasoline service at new, reconstructed, or existing gasoline dispensing facility that meet the criteria specified in 40 C.F.R. 63.1111, which commenced construction after November 9, 2006. This stationary source does not have any "affected facilities" that were constructed, reconstructed, or modified after November 9, 2006. Therefore, the requirements of Subpart CCCC do not apply.
EU ID 6 (TEG)	40 C.F.R. 63.762	The startup, shutdown, and malfunction requirements of subpart HH (40 C.F.R. 63.762) do not apply to EU ID 6 because there is no applicable emission standard, add-on controls, or work practices in this case, and hence, the records are not pertinent to compliance. Section III.C of the rule preamble clarifies that the startup, shutdown, and malfunction requirements apply only to area sources within the Urbanized Area plus offset and Urban Cluster boundaries.
EU ID 6 (TEG)	40 C.F.R. 63.764 (except 40 C.F.R. 63.764(a) and (b))	The nonapplicability of 40 C.F.R. 63.764 (all except 40 C.F.R. 63.764(a) and (b)) is indicated under 40 C.F.R. 63.764(c) and 40 C.F.R. 63.764(e)(1).

EU ID	Non-Applicable Requirements	Reason for non-applicability
EU ID 6 (TEG)	40 C.F.R. 63.765	The nonapplicability of 40 C.F.R. 63.765 is indicated under 40 C.F.R. 63.765(a).
EU ID 6 (TEG)	40 C.F.R. 63.766	40 C.F.R. 63.766 only applies to major sources. Based on information in the permit application, this stationary source is not a major source of HAPs.
EU ID 6 (TEG)	40 C.F.R. 63.769	40 C.F.R. 63.769 only applies to major sources. Based on information in the permit application, this stationary source is not a major source of HAPs.
EU ID 6 (TEG)	40 C.F.R. 63.771	40 C.F.R. 63.771 is not applicable because no control of emissions is required by the subpart.
EU ID 6 (TEG)	40 C.F.R. 63.772 (all except 63.772(b))	40 C.F.R. 63.772 (all except 63.772(b)) is not applicable because performance testing is not required for EU ID 6 because this unit is not required to operate controls in order to comply with this subpart.
EU ID 6 (TEG)	40 C.F.R. 63.773	40 C.F.R. 63.773 is not applicable because no control of emissions is required by the subpart.
EU ID 6 (TEG)	40 C.F.R. 63.774 (all except 40 C.F.R. 63.764(a) and (b))	The nonapplicability of 40 C.F.R. 63.764 (all except 40 C.F.R. 63.764(a) and (b)) is indicated under 40 C.F.R. 63.764(c) and 40 C.F.R. 63.764(e)(1).
EU ID 6 (TEG)	40 C.F.R. 63.775	The nonapplicability of 40 C.F.R. 63.765 is indicated under 40 C.F.R. 63.765(a); 40 C.F.R. 63.775(b) only applies to major sources. Based on information in the permit application, this stationary source is not a major source of HAPs; The nonapplicability of 40 C.F.R. 63.775(c) and 40 C.F.R. 63.775(d) are indicated under 40 C.F.R. 63.775(c)(8); 40 C.F.R. 63.775(e) applies only to major sources or area sources within urban areas as defined under subpart HH. See 40 C.F.R. 63.775(e) and (e)(3); 40 C.F.R. 63.775(f) does not apply to area sources not subject to any control requirements.
Source-wide	40 C.F.R. 63, Subpart A	The stationary source must be subject to a specific subpart of 40 C.F.R. 63 to be subject to Subpart A. Although the Permittee is required to demonstrate that the TEG (EU ID 6) is exempt from 40 C.F.R. 63, Subpart HH, this stationary source is not subject to a specific subpart of 40 C.F.R. 63.
Source-wide	40 C.F.R. 61, Subparts E, Y, and FF	There are no affected facilities, operations, or industries at this stationary source.
Source-wide	40 C.F.R. 61, Subpart J	This stationary source does not contain any equipment in benzene service.

EU ID	Non-Applicable Requirements	Reason for non-applicability
Portable Incinerators (Insignificant Activity)	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 does not apply.
Source-wide	18 AAC 50.050(b), Incinerator particulate standards	The incinerators at this source each have a capacity of less than 1000 lbs/hr.
Source-wide	18 AAC 50.050(a)(2), Fuel-burning equipment standards, opacity emission limit of 30%, 3-minute average	No affected facilities within this stationary source.
Source-wide	18 AAC 50.055(a)(4), (5) and (8), Fuel-burning equipment standards, opacity emission limit of 20%, 6-minute average	No affected facilities within this stationary source.
Source-wide	18 AAC 50.055(a)(6) and (7), Fuel-burning equipment standards, opacity emission limit of 10%, 6-minute average	No affected facilities within this stationary source.
Source-wide	18 AAC 50.055(b)(2) and (3), Fuel-burning equipment standards, PM emission limit of 0.1 grains	No affected facilities within this stationary source.
Source-wide	18 AAC 50.055(b)(4), Fuel-burning equipment standards, PM emission limit of 0.15 grains	No affected facilities within this stationary source.
Source-wide	18 AAC 50.055(d) and (e), Fuel-burning equipment standards, PM emission limit of 0.04 grains	No affected facilities within this stationary source.
Source-wide	18 AAC 50.055(b)(5) and (6), Fuel-burning equipment standards	No affected facilities within this stationary source.
Source-wide	18 AAC 50.060, Pulp Mills	There are no affected facilities, operations, or industries at this stationary source.
Source-wide	18 AAC 50.070 Marine Vessels, visible emission standards	Stationary source is more than 3 miles from shore.
Source-wide	18 AAC 50.075, Wood fired heating device emission standards	No affected facilities within this stationary source.
Source-wide	18 AAC 50.085, Volatile liquid storage tank emission standards	Regulations only apply to tanks within the Port of Anchorage.
Source-wide	18 AAC 50.090 Volatile liquid loading racks and delivery emission standards	Regulations only apply to facilities within the Port of Anchorage.

[40 C.F.R. 71.6(f)(1)(ii), 7/2/07]

Section 11. Visible Emissions Forms

Visible Emissions Field Data Sheet

Certified Observer: _____

Company &
 Stationary
 Source: _____

Location: _____

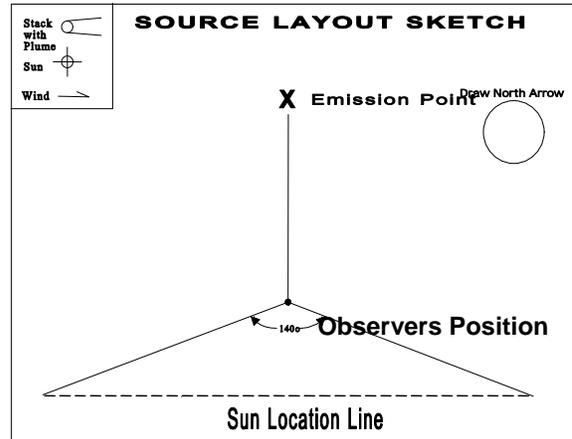
Test No.: _____ Date: _____

Emission Unit: _____

Production Rate/Operating
 Rate: _____

Unit Operating Hours: _____

Hrs. of observation: _____



Clock Time	Initial				Final
Observer location					
Distance to discharge					
Direction from discharge					
Height of observer point					
Background description					
Weather conditions					
Wind Direction					
Wind speed					
Ambient Temperature					
Relative humidity					
Sky conditions: (clear, overcast, % clouds, etc.)					
Plume description:					
Color					
Distance visible					
Water droplet plume? (Attached or detached?)					
Other information					

Section 12. ADEC Notification Form⁸

Stationary Source (Facility) Name

Air Quality Permit Number

Company Name

When did you discover the Excess Emissions/Permit Deviation?

Date: _____ / _____ / _____ Time: _____ : _____

When did the event/deviation occur?

Begin Date: _____ / _____ / _____ Time: _____ : _____ (please use 24hr clock)

End Date: _____ / _____ / _____ Time: _____ : _____ (please use 24hr 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.
- Deviation from Permit Condition - Complete Section 2 and Certify
- Deviations from COBC, CO, or Settlement Agreement - Complete Section 2 and Certify

Section 1. Excess Emissions

(a) Was the exceedance: Intermittent or Continuous

(b) Cause of Event (Check one that applies):

- Start Up /Shut Down
- Natural Cause (weather/earthquake/flood)
- Control Equipment Failure
- Scheduled Maintenance/Equipment Adjustment
- Bad fuel/coal/gas
- Upset Condition
- Other _____

(c) **Description**

Describe briefly, what happened and the cause. Include the parameters/operating conditions exceeded, limits, monitoring data and exceedance.

(d) Emissions Units Involved:

Identify the emission unit 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.

Unit ID	Emission Unit Name	Permit Condition Exceeded/Limit/Potential Exceedance

⁸ Revised as of August 20, 2008.

(e) Type of Incident (Please Check only one).

- Opacity _____ %
 Venting _____ (gas/scf)
 Control Equipment Down
 Fugitive Emissions
 Emission Limit Exceeded
 Other:
 Marine Vessel Opacity
 Flaring

(f) 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 one only box, corresponding with the section in the permit).

- Source Specific
 Failure to monitor/report
 General Source Test/Monitoring Requirements
 Recordkeeping/Reporting/Compliance Certification
 Standard Conditions Not Included in Permit
 Generally Applicable Requirements
 Reporting/Monitoring for Diesel Engines
 Record Keeping Failure
 Insignificant Source
 Facility Wide
 Other Section _____ (title of section and section number of your permit).

(b) Emission Unit Involved.

Unit ID	Emission Unit Name	Permit Condition / Potential Deviation

Identify the emission unit involved in the event, using the same identification number and name as in the permit. List the corresponding permit conditions and the deviation.

(c) Description of Potential Deviation:

Describe briefly what happened and the cause. Include the parameters/operating conditions and the potential deviation.

(d) Corrective Actions:

Describe actions taken to correct the deviation or potential deviation and to prevent future recurrence.

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)*

To Submit this Report:

1. Fax to: 907-451-2187;

Or

2. Email to: DEC.AQ.Airreports@alaska.gov - *if faxed or emailed, the report must be certified within the Operating Report required for the same reporting period per Condition 37.*

Or

3. Mail to: ADEC
Air Permits Program
610 University Avenue
Fairbanks, AK 99709-3643

Or

4. Phone Notification: 907-451-5173

Phone notifications require a written follow-up report.

Or

5. Submission of information contained in this report can be made electronically at the following website:

<https://myalaska.state.ak.us/deca/air/airtoolsweb/>

if submitted online, report must be submitted by an authorized E-Signer for the Stationary Source.