DEPARTMENT OF ENVIRONMENTAL CONSERVATION
AIR QUALITY CONTROL MINOR PERMIT

Permit No. AQ0068MSS03 **Preliminary – February 23, 2015**
Revises: Construction Permit 0123-AC008
Rescinds: Minor Permit No. AQ0068MSS01
Minor Permit No. AQ0068MSS02

The Alaska Department of Environmental Conservation (Department), under the authority of AS 46.14 and 18 AAC 50, issues Air Quality Control Minor Permit No. AQ0068MSS03 to the Permittee listed below.

Owner and Operator:	**Hilcorp Alaska, LLC** 3800 Centerpoint Dr. Suite 1400 Anchorage, AK 99503
Permittee:	Same as Owner and Operator
Stationary Source:	King Salmon Platform
Location:	Latitude: 61º 51’ 54” N Longitude: 151º 36’ 18” W
Physical Address:	Upper Cook Inlet, Alaska
Project:	Ruston Replacement Project
Permit Contact:	John A. Barnes, (907) 777-8370, jbarnes@hilcorp.com

The Ruston Replacement Project is classified under 18 AAC 50.508(5) for establishing owner requested limits (ORLs) to avoid one or more permit classifications under AS 46.14.130 at a stationary source that will remain subject to at least one permit classification. This permit is also classified under 18 AAC 50.508(6) for revising or rescinding the terms and conditions of a Title I permit.

The permit satisfies the obligation of the Permittee to obtain a minor permit under 18 AAC 50. As required by AS 46.14.120(c), the Permittee shall comply with the terms and conditions of this permit.

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John F. Kuterbach
Manager, Air Permits Program

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Abbreviations/Acronyms

AAC .....Alaska Administrative Code
ADEC.....Alaska Department of Environmental Conservation
AS .....Alaska Statutes
ASTM.....American Society of Testing and Materials
C.F.R. .....Code of Federal Regulations
EU .....emission unit
EPA .....Environmental Protection Agency
HHV .....higher heating value
ID .....source identification number
ISO .....International Standards Organization
LHV.....lower heating value
MR&R.....monitoring, recordkeeping, and reporting
NA .....not applicable
NAICS .....North American Industry Classification System
NESHAPS .....National Emission Standards for Hazardous Air Pollutants
NSPS .....New Source Performance Standards
PSD.....Prevention of Significant Deterioration
RICE.....reciprocating internal combustion engine
SIC .....Standard Industrial Classification
TAR.....technical analysis report

Units and Measures

gr./dscf.....grains per dry standard cubic feet (1 pound = 7,000 grains)
dscf .....dry standard cubic foot
gph .....gallons per hour
Hp.....horsepower
kW, kW-e .....kilowatts, kilowatts electric
lb/hr .....pounds per hour
MMBtu/hr.....million British thermal units per hour
ppm.....parts per million
ppmv.....parts per million by volume
tph .....tons per hour
tpy .....tons per year
wt%.....weight percent

Pollutants

CO .....carbon monoxide
HAPs .....hazardous air pollutants
H_2S .....hydrogen sulfide
NO_X .....oxides of nitrogen
NO_2.....nitrogen dioxide
PM-10.....particulate matter with an aerodynamic diameter less than 10 microns
SO_2 .....sulfur dioxide
VOC .....volatile organic compound

Section 1. Emission Unit Inventory

1. Emission Unit Authorization. Except as noted elsewhere in this permit, the information in Table 1 is for information purposes only. The specific unit descriptions do not restrict the Permittee from replacing an emission unit identified in Table 1. The Permittee shall comply with all applicable provisions of AS 46.14 and 18 AAC 50 when installing a replacement emission unit, including any applicable minor or construction permit requirements.

Table 1 – Minor Permit Emission Unit Inventory

EU ID	EU Name	Description	Rating	Fuel Type	Install Date
1	Waterflood Pump	Solar Centaur T4000	3,830 hp	Fuel Gas	1981
5	York Compressor Drive	Solar Saturn T1100	1,100 hp	Fuel Gas	1969
6	AC Generator Drive #1	Ruston TA-1750 Turbine	1,250 kW	Fuel Gas/ Diesel	1969
7	AC Generator Drive #2	Ruston TA-1750 Turbine	1,250 kW	Fuel Gas/ Diesel	1969
11	Drilling Generator #2	GM 16-645E1 Engine	1,950 hp	Diesel	1967
12	Clyde MC6000 Crane East	Detroit Diesel 671 Engine	200 hp	Diesel	1967
13	Clyde MC6000 Crane West	Detroit Diesel 671 Engine	200 hp	Diesel	1967
14	Emergency Fire Pump Drive [1]	John Deere Engine	175 hp	Diesel	2006
15	Standby AC Gen. Drive [2]	Caterpillar 3304 Engine	135 hp	Diesel	1967
16	Flare-Northeast	(HP/LP/Relief)NE	440 MMcf/yr [3]	Fuel Gas	1967
18	Boiler No. 1	William & Davis 200-767	8.4 MMBtu/hr	Fuel Gas	1976
19	Boiler No. 2	William & Davis 200-767	8.4 MMBtu/hr	Fuel Gas	1976
22	Turbine [4] (SoLoNOx)	Solar Centaur 50	4,600 kW	Fuel Gas	NA
Portable Oil and Gas Operation - Heaters					
23	Heater 1		2.5 MMBtu/hr	Fuel Gas	NA
24	Heater 2		1.0 MMBtu/hr	Diesel	NA
25	Heater 3		1.0 MMBtu/hr	Diesel	NA
Portable Oil and Gas Operation - Nonroad Engines					
26	Pump Engine No. 1		785 hp	Diesel	NA
27	Pump Engine No. 2		785 hp	Diesel	NA
28	Hydraulic PowerPack No. 1		630 hp	Diesel	NA

EU ID	EU Name	Description	Rating	Fuel Type	Install Date
29	Hydraulic PowerPack No. 2		630 hp	Diesel	NA
30	Heater 6		174 hp	Diesel	NA
31	Heater 7		174 hp	Diesel	NA
32	Heater 8		174 hp	Diesel	NA
33	Heater 9		174 hp	Diesel	NA
34	Heater 10		225 hp	Diesel	NA
35	Heater 11		225 hp	Diesel	NA
36	Heater 12		225 hp	Diesel	NA
37	Heater 13		225 hp	Diesel	NA
38	Heater 14		225 hp	Diesel	NA
39	Heater 15		225 hp	Diesel	NA
40	Hydraulic Power Pack Tongs No. 1		88 hp	Diesel	NA
41	Hydraulic Power Pack Tongs No. 2		88 hp	Diesel	NA
42	Eline "Kit"		142 hp	Diesel	NA
43	Eline "Kit"		31 hp	Diesel	NA
44	Pressure Washer No. 1		0.324 MMBtu/hr	Diesel	NA
45	Pressure Washer No. 2		0.324 MMBtu/hr	Diesel	NA
46	Pressure Washer No. 3		0.324 MMBtu/hr	Diesel	NA
47	Air Compressor		29 hp	Diesel	NA
48	Portable Light Plants		50 hp	Diesel	NA
49	Portable Light Plants		50 hp	Diesel	NA
50	Portable Light Plants		50 hp	Diesel	NA
51	Portable Light Plants		50 hp	Diesel	NA

Notes:

[1] Replaced the Detroit Diesel 671 permitted as EU ID 14 in Permit to Operate 9423-AA005.
[2] Not listed in previous Title I permits.
[3] Total flare capacity.
[4] New emission unit.

Section 2. Emission and Compliance Fees

2. 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. 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:

2.1 The stationary source's assessable potential to emit of 1,195 TPY ; or

2.2 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.

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

3.1 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

3.2 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 2.1.

4. 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 through 405.

Section 3. State Emissions Standards

5. Industrial Process and Fuel-Burning Equipment Visible Emissions. The Permittee shall not cause or allow visible emissions, excluding condensed water vapor, emitted from any of EU IDs 1, 5 through 7, 11 through 16, 18, 19, and 22 through 25 listed in Table 1 to reduce visibility through the exhaust effluent by more than 20 percent averaged over any six consecutive minutes.

5.1 For EU IDs 22 and 23, burn only gas as fuel.

a. Verify the initial compliance of EU ID 23 with a certification in the first operating report after unit startup required under Condition 39 that the emission unit fires only gas.

b. Monitoring for EU ID 22 shall consist of a statement in each operating report under Condition 39 whether the emission unit fired only gas during the period covered by the report. Report under Condition 38 if any fuel is burned other than gas.

5.2 Verify the initial compliance of EU IDs 24 and 25 by either:

a. Obtaining a certified manufacturer guarantee that the emission unit will comply with the visible emission standard; or

b. Conducting a Method 9 visible emission source test within 30 days after beginning unit operation.

6. Industrial Process and Fuel-Burning Equipment Particulate Matter. The Permittee shall not cause or allow particulate matter emitted from EU IDs 1, 5 through 7, 11 through 16, 18, 19, and 22 through 25 listed in Table 1 to exceed 0.05 grains per cubic foot of exhaust gas corrected to standard conditions and averaged over three hours.

6.1 For EU ID 22, burn only gas as fuel. Monitoring for the emission unit shall consist of a statement in each operating report under Condition 39 whether the emission unit fired only gas during the period covered by the report. Report under Condition 38 if any fuel other than gas is burned.

7. Sulfur Compound Emissions. The Permittee shall not cause or allow sulfur compound emissions, expressed as SO_2, from any of EU IDs 1, 5 through 7, 11 through 16, 18, 19, and 22 through 25 listed in Table 1 to exceed 500 ppm averaged over three hours.

Section 4. Requirements for Ruston Replacement Project

Requirement to Avoid a Minor Permit Under 18 AAC 50.502(c)(3)

8. The Permittee shall permanently shutdown EUs 6 and 7 and remove the emission units from service[1] within 10 days of EU ID 22 becoming fully operational[2].

8.1 The Permittee shall include in the first operating report required by Condition 39:

a. The dates EUs 6 and 7 were removed from service;

b. The first startup date for EU ID 22; and

c. The date EU ID 22 became fully operational.

Owner Requested Limits to Avoid Classification as a PSD Major Modification and Avoid a Minor Permit Under 18 AAC 50.502(c)(3)

9. For EU ID 22, the Permittee shall limit NO_X emissions to no more than 39.9 tons per rolling 12 consecutive month period.

9.1 Install and operate a data acquisition system capable of logging the following parameters for EU ID 22 at intervals of no greater than once every three minutes:

a. Status of SoLoNOx mode (active or inactive), and

b. The inlet air temperature of EU ID 22 in degrees Fahrenheit (°F).

9.2 At least once every three minutes, the Permittee shall monitor and record the parameters listed in Condition 9.1.

9.3 For EU ID 22, the Permittee shall comply with the following no later than the 15th day of each calendar month:

a. Calculate and record the NO_X emissions for the previous calendar month. Emissions shall be calculated as follows:

(i) Calculate and record the total time, in minutes, that EU ID 22 operated in each of the operating scenarios listed in Conditions 9.3a(i)(A) through (C) using the data recorded under Condition 9.2.

(A) In SoLoNOx at inlet air temperatures > 0° F;

(B) In SoLoNOx at inlet air temperatures ≤ 0° F; and

(C) Out of SoLoNOx.

(ii) Calculate the emissions for each operating scenario in Condition 9.3a(i) using Equation 1.

[1] *Remove from service* is defined as disconnecting the fuel lines to the emission units.

[2] *Fully operational* is defined as completing all testing and commissioning requirements after first startup. Under no circumstances shall testing and commissioning requirements exceed 60 days after first startup.

Equation 1 $$E = n \times \frac{1\ hr}{60\ min} \times EF \times \frac{1\ ton}{2{,}000\ lb}$$

Where:

E = Emissions (tons per month)

n = Number of minutes EU ID 22 operated during the month in the specific operating scenario under Condition 9.3a(i)

EF = Emission factor from Table 2

(iii) Sum the emissions calculated under Condition 9.3a(ii).

b. Calculate and record the rolling 12 consecutive month NO_X emissions. Emissions shall be calculated by summing the monthly emissions in Condition 9.3a with the emissions of the preceding 11 consecutive month period.

9.4 For EU ID 22, the Permittee shall report as follows:

a. Include the following in the operating report required under Condition 39 for each month covered by the report:

(i) The monthly NO_X emissions and rolling 12 consecutive month NO_X emissions, in tons; and

(ii) The total hours of operation in each operating scenario in Conditions 9.3a(i)(A) through (C).

b. Report in accordance with Condition 38, if NO_X emissions exceed the limit in Condition 9.

9.5 Data capture and recording under Condition 9.2 and calculations and recording under Condition 9.3 may be electronic. All records shall be in a form suitable and readily available for expeditious inspection and review.

Table 2 – EU ID 22 Emission Factors

Pollutant	SoLoNOx Operation	Temperature	Emission Factor (lb/hr)
NO_X	In SoLoNOx	> 0°F	8.5
		≤ 0°F	26.8
	Out of SoLoNOx	Any	15.6
CO	In SoLoNOx	> 0°F	6.9
		≤ 0°F	20.6
	Out of SoLoNOx	Any	1,099.0
VOC	In SoLoNOx	> 0°F	2.0
		≤ 0°F	3.9
	Out of SoLoNOx	Any	62.8

10. For EU ID 22, the Permittee shall limit fuel gas hydrogen sulfide (H_2S) content to no more than 1,100 ppmv.

10.1 The Permittee shall monitor and record the H_2S concentration in the fuel gas no less than monthly using the length-of-stain detector tube protocol covered by ASTM Method D 4810-88 and D 4913-89 or Gas Producer's Association Method 2377-86.

a. If the measured H_2S concentration is greater than 85% of the maximum allowable concentration (935 ppmv), the Permittee shall monitor the fuel gas H_2S concentration weekly.

b. If the average of four consecutive weekly fuel gas H_2S concentrations is less than 935 ppmv, the Permittee may return to monthly monitoring.

10.2 The Permittee shall include copies of the records required in Condition 10.1 in the operating report required by Condition 39.

10.3 The Permittee shall report in accordance with Condition 38 if the H_2S content of any fuel gas burned in EU ID 22 exceeds the limit in Condition 10.

Owner Requested Limits to Avoid Classification as a PSD Major Modification

11. For EU ID 22, the Permittee shall limit:

11.1 CO emissions to no more than 99.9 tons per rolling 12 consecutive month period.

11.2 VOC emissions to no more than 39.9 tons per rolling 12 consecutive month period.

12. The Permittee shall monitor, record, and report as follows:

12.1 Monitor and record in accordance with Conditions 9.1 and 9.2.

12.2 For EU ID 22, the Permittee shall comply with the following no later than the 15th day of each calendar month:

a. Calculate and record the CO and VOC emissions for the previous calendar month. For each pollutant, emissions shall be calculated as specified in Conditions 9.3a(i) through (iii).

b. Calculate and record the rolling 12 consecutive month CO and VOC emissions. Emissions shall be calculated by summing the monthly emissions for each pollutant in Condition 12.2a with the emissions from the preceding 11 consecutive month period.

12.3 For EU ID 22, the Permittee shall report as follows:

a. Include the following in the operating report required under Condition 39 for each month covered by the report:

(i) The monthly CO and VOC emissions and rolling 12 consecutive month CO and VOC emissions, in tons; and

(ii) Hours of operation as required by Condition 9.4a(ii).

b. Report in accordance with Condition 38, if CO or VOC emissions exceed any of the limits in Condition 11.

12.4 Data capture and recording under Condition 12.1 and calculations and recording under Condition 12.2 may be electronic. All records shall be in a form suitable and readily available for expeditious inspection and review.

Federal NSPS Subpart A Requirements

13. NSPS Subpart A Notification. For any affected facility[3] or existing facility[4] regulated under NSPS requirements in 40 C.F.R. 60, the Permittee shall furnish the Department and EPA written or electronic notification of:

13.1 the date that construction or reconstruction of an affected facility commences postmarked no later than 30 days after such date;

13.2 the actual date of initial startup of an affected facility postmarked within 15 days after such date;

13.3 any physical or operational change to an existing facility which may increase the emission rate of any air pollutant to which a standard applies unless that change is specifically exempted under an applicable subpart or in 40 C.F.R. 60.14(e), postmarked 60 days or as soon as practicable before the change is commenced and shall include:

a. information describing the precise nature of the change,

b. present and proposed emission control systems,

c. productive capacity of the facility before and after the change, and

d. the expected completion date of the change;

13.4 any proposed replacement of an existing facility, for which the fixed capital cost of the new components exceeds 50 percent of the fixed capital cost that would be required to construct a comparable entirely new facility, postmarked as soon as practicable, but no less than 60 days before commencement of replacement, and including the following information:

a. the name and address of owner or operator,

b. the location of the existing facility,

c. a brief description of the existing facility and the components that are to be replaced,

d. a description of the existing and proposed air pollution control equipment,

[3] *Affected facility* means, with reference to a stationary source, any apparatus to which a standard applies, as defined in 40 C.F.R. 60.2, effective 7/1/07.

[4] *Existing facility* means, with reference to a stationary source, any apparatus of the type for which a standard is promulgated in this part, and the construction or modification of which was commenced before the date of proposal of that standard; or any apparatus which could be altered in such a way as to be of that type, as defined in 40 C.F.R. 60.2, effective 7/1/07.

e. an estimate of the fixed capital cost of the replacements, and of constructing a comparable entirely new facility,

f. the estimated life of the existing facility after the replacements, and

g. a discussion of any economic or technical limitations the facility may have in complying with the applicable standards of performance after the proposed replacements.

14. NSPS Subpart A Startup, Shutdown, & Malfunction Requirements. The Permittee shall maintain records of the occurrence and duration of any start-up, shutdown, or malfunction in the operation of EU ID 22, any malfunctions of associated air-pollution control equipment, or any periods during which a continuous monitoring system or monitoring device for EU ID 22 is inoperative.

15. NSPS Subpart A Excess Emissions and Monitoring Systems Performance Report. The Permittee shall submit to the Department and to EPA a written "excess emissions and monitoring systems performance report" (EEMSP)[5] any time a limit in Condition 22 has been exceeded as described in this condition. Submit the EEMSP reports with the summary report form as required in Condition 16. Written reports of excess emissions shall include the following information:

15.1 The magnitude of excess emissions computed in accordance with 40 C.F.R. 60.13(h), any conversion factor(s) used, the date and time of commencement and completion of each time period of excess emissions, and the process operating time during the reporting period.

15.2 Identification of each period of excess emissions that occurred during startup, shutdown, and malfunction of EU ID 22; the nature and cause of any malfunction; and the corrective action taken or preventative measures adopted.

15.3 The date and time identifying each period during which a Continuous Monitoring System (CMS) was inoperative except for zero and span checks and the nature of any repairs or adjustments.

15.4 A statement indicating whether or not any excess emissions occurred or the CMS was inoperative, repaired, or adjusted, at any time during the reporting period.

16. NSPS Subpart A Summary Report Form. The Permittee shall submit to the Department and to EPA one "summary report form" in the format shown in Figure 1 of 40 C.F.R. 60.7 for each pollutant monitored for EU ID 22. The report shall be submitted semiannually, postmarked by the 30th day following the end of each 6-month period, except when more frequent reporting is specifically required by an applicable subpart, case-by-case basis, or the EPA, as follows:

[5] The federal EEMSP report is not the same as the state excess emission report required by Condition 38.

16.1 If the total duration of excess emissions for the reporting period is less than one percent of the total operating time for the reporting period and CMS downtime for the reporting period is less than five percent of the total operating time for the reporting period, submit a summary report form unless the EEMSP report described in Condition 15 is requested, or

16.2 If the total duration of excess emissions for the reporting period is one percent or greater of the total operating time for the reporting period or the total CMS downtime for the reporting period is five percent or greater of the total time for the reporting period, then submit a summary report form and the EEMSP described in Condition 15.

17. NSPS Subpart A Performance (Source) Tests. The Permittee shall conduct initial source tests according to Section 11 and as indicated in this condition on any affected facility within 60 days after achieving the maximum production rate at which the unit will be operated, but not later than 180 days after initial startup, and at such other times as may be required by EPA, and shall provide the Department and EPA with a written report of the results of the source test. The Permittee shall:

17.1 Conduct source tests and reduce data as set out in 40 C.F.R. 60.8(b), and provide the Department copies of any EPA waivers or approvals of alternative methods.

17.2 Conduct source tests under conditions specified by EPA to be based on representative performance of the affected facility.

17.3 Notify the Department and EPA at least 30 days in advance of the source test.

17.4 Provide adequate sampling ports, safe sampling platform(s), safe access to sampling platform(s), and utilities for sampling and testing equipment.

18. NSPS Subpart A Good Air Pollution Control Practice. At all times, including periods of startup, shutdown, and malfunction, the Permittee shall, to the extent practicable, maintain and operate EU ID 22 including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. The Administrator will determine whether acceptable operating and maintenance procedures are being used based on information available, which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance records, and inspections of EU ID 22.

19. NSPS Subpart A Credible Evidence. For the purpose of submitting compliance certifications or establishing whether or not the Permittee has violated or is in violation of any standard in 40 C.F.R. Part 60, nothing in 40 C.F.R. Part 60 shall preclude the use, including the exclusive use, of any credible evidence or information, relevant to whether a source would have been in compliance with applicable requirements of 40 C.F.R. Part 60 if the appropriate performance or compliance test or procedure had been performed.

20. NSPS Subpart A Concealment of Emissions. The Permittee shall not build, erect, install, or use any article, machine, equipment or process, the use of which conceals an emission which would otherwise constitute a violation of an applicable standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard that is based on the concentration of a pollutant in the gases discharged to the atmosphere.

Federal NSPS Subpart GG Requirements

21. NSPS Subpart GG NO_X Standard. The Permittee shall not allow the exhaust gas concentration of NO_X from EU ID 22 to exceed 178 ppmv at 15 percent O_2 dry exhaust basis.

21.1 **Monitoring.** The Permittee shall comply with the following:

a. **Periodic Testing.** For each turbine subject to Condition 21 that operates for 400 hours or more in any 12-month period during the life of this permit, the Permittee shall satisfy either Condition 21.1a(i) or 21.1a(ii).

(i) For existing turbines whose latest emissions source testing was certified as operating at less than or equal to 90 percent of the limit shown in Condition 21, the Permittee shall conduct a NO_X and O_2 source test under 40 C.F.R. 60, Appendix A, Method 20, or Method 7E and either Method 3 or 3A, within 5 years of the latest performance test.

(ii) For existing turbines whose latest emissions source testing was certified as operating at greater than 90 percent of the limit shown in Condition 21, the Permittee shall conduct a NO_X and O_2 source test under 40 C.F.R. 60, Appendix A, Method 20, or Method 7E and either Method 3 or 3A, annually until two consecutive tests show performance results certified at less than or equal to 90 percent of the limit of Condition 21.

b. **Load.** The Permittee shall comply with the following:

(i) Conduct all tests under Condition 21.1 in accordance with 40 C.F.R. 60.335, except as otherwise approved in writing by the Department, or by EPA if the circumstances at the time of the EPA approval are still valid. For the highest load condition, if it is not possible to operate the turbine during the test at maximum load, the Permittee will test the turbine when operating at the highest load achievable by the turbine under the ambient and stationary source operating conditions in effect at the time of the test.

(ii) Demonstrate in the source test plan for any test performed after the issue date of this permit whether the test is scheduled when maximum NO_X emissions are expected.

(iii) If the highest operating rate tested is less than the maximum load of the tested turbine,

(A) for each such turbine the Permittee shall provide to the Department as an attachment to the source test report

(1) additional test information from the manufacturer, and

(2) a demonstration based on the additional test information that projects the test results from Condition 21.1 to predict the highest load at which emissions will comply with the limit in Condition 21;

(B) the Permittee shall not operate any turbine represented by the test data at loads for which the Permittee's demonstration predicts that emissions will exceed the limit of Condition 21;

(C) the Permittee shall comply with a written finding prepared by the Department that

(1) the information is inadequate for the Department to reasonably conclude that compliance is assured at any load greater than the test load, and that the Permittee must not exceed the test load,

(2) the highest load at which the information is adequate for the Department to reasonably conclude that compliance assured is less than maximum load, and the Permittee must not exceed the highest load at which compliance is predicted, or

(3) the Permittee must retest during a period of greater expected demand on the turbine, and

(D) the Permittee may revise a load limit by submitting results of a more recent Method 20, or Method 7E and either Method 3 or 3A, test done at a higher load, and, if necessary, the accompanying information and demonstration described in Condition 21.1b(iii)(A); the new limit is subject to any new Department finding under Condition 21.1b(iii)(C) and

(iv) In order to perform a Method 20, or Method 7E and either Method 3 or 3A, emission test, the Permittee may operate a turbine at a higher load than that prescribed by Condition 21.1b(iii).

(v) For the purposes of Conditions 21.1 through 21.3, maximum load means the hourly average load that is the smallest of

(A) 100 percent of manufacturer's design capacity of the gas turbine at ISO standard day conditions;

(B) the highest load allowed by an enforceable condition that applies to the turbine; or

(C) the highest load possible considering permanent physical restraints on the turbine or the equipment which it powers.

21.2 **Recordkeeping.** The Permittee shall keep records as follows:

a. The Permittee shall comply with the following for each turbine for which a demonstration under Condition 21.1b(iii) does not show compliance with the limit of Condition 21 at maximum load.

(i) The Permittee shall keep records of

(A) load; or

(B) as approved by the Department, surrogate measurements for load and the method for calculating load from those measurements.

(ii) Records in Condition 21.2a shall be hourly or otherwise as approved by the Department.

(iii) Within one month after submitting a demonstration under Condition 21.1b(iii)(A)(2) that predicts that the highest load at which emissions will comply is less than maximum load, or within one month of a Department finding under Condition 21.1b(iii)(C), whichever is earlier, the Permittee shall propose to the Department how they will measure load or load surrogates, and shall propose and comply with a schedule for installing any necessary equipment and beginning monitoring. The Permittee shall comply with any subsequent Department direction on the load monitoring methods, equipment, or schedule.

b. For any turbine subject to Condition 21, that will operate less than 400 hours in any 12 consecutive months, the Permittee shall keep monthly records of the hours of operation.

21.3 **Reporting.** The Permittee shall keep report as follows:

a. In each operating report under Condition 39 the Permittee shall list for each turbine tested at less than maximum load and for which the Permittee must limit load under Condition 21.1b(iii)

(i) the load limit;

(ii) the turbine identification; and

(iii) the highest load recorded under Condition 21.2a during the period covered by the operating report.

b. In each operating report under Condition 39 for each turbine for which Condition 21.1 has not been satisfied because the turbine normally operates less than 400 hours in any 12 consecutive months, the Permittee shall identify

(i) the turbine;

(ii) the highest number of operating hours for any 12 consecutive months ending during the period covered by the report; and

(iii) any turbine that operated for 400 or more hours.

c. The Permittee shall report under Condition 38 if

(i) a test result exceeds the emission standard;

(ii) Method 20, or Method 7E and either Method 3 or 3A, testing is required under Condition 21.1a(i) or 21.1a(ii) but not performed, or

(iii) the turbine was operated at a load exceeding that allowed by Conditions 21.1b(iii)(B) and 21.1b(iii)(C); exceeding a load limit is deemed a single violation rather than a multiple violation of both monitoring and the underlying emission limit.

22. NSPS Subpart GG Sulfur Standard. The Permittee shall not burn in EU ID 22 any fuel which contains total sulfur in excess of 0.8 percent by weight (8000 ppmw).

22.1 **Monitoring.** The Permittee shall monitor compliance with the standards listed in this condition, as follows:

a. Monitor the total sulfur content of the fuel being fired in the turbine, except as provided in Condition 22.1b. The sulfur content of the fuel must be determined using total sulfur methods described in Condition 22.2. Alternatively, if the total sulfur content of the gaseous fuel during the most recent performance test was less than 0.4 weight percent (4000 ppmw), ASTM D4084–82, 94, D5504–01, D6228–98, or Gas Processors Association Standard 2377–86, which measure the major sulfur compounds may be used.

b. The owner or operator may elect not to monitor the total sulfur content of the gaseous fuel combusted in the turbine, if the gaseous fuel is demonstrated to meet the definition of natural gas in 40 C.F.R. 60.331(u), regardless of whether an existing custom schedule approved by the Administrator requires such monitoring. The owner or operator shall use one of the following sources of information to make the required demonstration:

(i) The gas quality characteristics in a current, valid purchase contract, tariff sheet or transportation contract for the gaseous fuel, specifying that the maximum total sulfur content of the fuel is 20.0 grains/100 scf or less; or

(ii) Representative fuel sampling data, which show that the sulfur content of the gaseous fuel does not exceed 20 grains/100 scf. At a minimum, the amount of fuel sampling data specified in 40 C.F.R. 75, Appendix D, Section 2.3.1.4 or 2.3.2.4 is required.

c. For any turbine that commenced construction, reconstruction or modification after October 3, 1977, but before July 8, 2004, and for which a custom fuel monitoring schedule has previously been approved, the owner or operator may, without submitting a special petition to the Administrator, continue monitoring on this schedule.

d. The frequency of determining the sulfur content of the fuel shall be as follows:

(i) Gaseous fuel. For owners and operators that elect not to demonstrate sulfur content using options in Condition 22.1b, and for which the fuel is supplied without intermediate bulk storage, the sulfur content value of the gaseous fuel shall be determined and recorded once per unit operating day.

(ii) Custom schedules. Notwithstanding the requirements of Condition 22.1d(i), operators or fuel vendors may develop custom schedules for determination of the total sulfur content of gaseous fuels, based on the design and operation of the affected facility and the characteristics of the fuel supply. Except as provided in 40 C.F.R. 60.334(i)(3)(i) and (i)(3)(ii), custom schedules shall be substantiated with data and shall be approved by the Administrator before they can be used to comply with the standard in Condition 22. The two custom sulfur monitoring schedules set forth in 40 C.F.R. 60.334(i)(3)(i)(A) through (D) and 60.334(i)(3)(ii) are acceptable without prior Administrative approval.

22.2 **Test Methods and Procedures.** If the owner or operator is required under Condition 22.1d(i) to periodically determine the sulfur content of the fuel combusted in the turbine, analyze the samples for the total sulfur content of the fuel using ASTM D1072-80, 90 (Reapproved 1994); D3246-81, 92, 96; D4468-85 (Reapproved 2000); or D6667-01. The applicable ranges of some ASTM methods mentioned above are not adequate to measure the levels of sulfur in some fuel gases. Dilution of samples before analysis (with verification of the dilution ratio) may be used, subject to the prior approval of the Administrator.

a. The fuel analyses required under Condition 22.2 may be performed by the owner or operator, a service contractor retained by the owner or operator, the fuel vendor, or any other qualified agency.

22.3 **Recordkeeping.** Keep records as required by Conditions 22.1 and 22.2, and in accordance with Condition 34.

22.4 **Reporting.** For each affected unit that periodically determines the fuel sulfur content under Condition 22.1a, the owner or operator shall submit reports of excess emissions and monitor downtime, in accordance with 40 C.F.R. 60.7(c) as summarized in Condition 15 except where otherwise approved by a custom fuel monitoring schedule. Excess emissions shall be reported for all periods of unit operation, including startup, shutdown and malfunction as described by 40 C.F.R. 60.334(j)(2).

Section 5. Requirements from Permit to Operate 9423-AA005

Operation and Maintenance Requirements

23. The Permittee shall do the following for EU IDs 1, 5 through 7, 11 through 16, 18, and 19:

23.1 Perform regular maintenance considering the manufacturer's or the operator's maintenance procedures;

23.2 Keep records of any maintenance that would have a significant effect on emissions; the records may be kept in electronic format; and

23.3 Keep a copy of either the manufacturer's or the operator's maintenance procedures.

24. Permittee shall operate EU ID 14 for not more than 1,000 hours per year for the purpose of performing routine maintenance and to verify its operational capability.

25. Permittee shall operate EU IDs 18 and 19 for not greater than 13,140 hours per year, cumulative total.

26. The Permittee shall monitor and record the monthly hours of operation of EU IDs 14, 18, and 19.

27. The Permittee shall report:

27.1 The monthly and rolling 12 consecutive month hours of operation in the operating report required in Condition 39 for each month covered by the report.

27.2 In accordance with Condition 38 any time any limit in Condition 24 or 25 is exceeded.

Section 6. Revisions to Construction Permit 0123-AC008

28. Conditions 1 through 7, 9, 10, 11.2a(i), 12.2a(i), 13 through 15, 16.1, 17.1, 19, 21, 35, and 44 through 50 of Construction Permit 0123-AC008 are rescinded.

29. Condition 16 in Construction Permit 0123-AC008 is revised as stated in Condition 29.1.

29.1 The Permittee shall not cause or allow visible emissions, excluding condensed water vapor, emitted from the Solar Centaur 40-T4700S to reduce visibility through the exhaust effluent by more than 20 percent averaged over any six consecutive minutes.

Section 7. Requirements from Minor Permit AQ0068MSS01

30. Maintenance Requirements. For EU IDs 23 through 51, the Permittee shall conduct maintenance of all fuel burning and related equipment according to the manufacturer's or operator's maintenance procedures.

Ambient Air Quality Protection Requirements

31. For EU IDs 24 through 51, the Permittee shall use only fuel with a sulfur content of no more than 0.5 percent by weight.

31.1 The Permittee shall do one of the following for each shipment of fuel:

a. if the fuel grade requires a sulfur content less than 0.5 percent by weight, keep receipts that specify fuel grade and amount; or

b. if the fuel grade does not require a sulfur content less than 0.5 percent by weight, keep receipts that specify fuel grade and amount and

(i) test the fuel for sulfur content; or

(ii) obtain test results showing the sulfur content of the fuel from the supplier or refinery; the test results must include a statement signed by the supplier or refinery of what fuel they represent.

c. Fuel testing under Condition 31.1 must follow an appropriate method listed in 18 AAC 50.035(b)-(c) or 40 C.F.R. 60.17 incorporated by reference in 18 AAC 50.040(a)(1).

31.2 Report as described in Condition 38 if the fuel sulfur content of the fuel used in EU IDs 24 through 51 exceeds 0.5 percent by weight.

32. The Permittee shall report as described in Condition 38 if the H_2S content of fuel gas used in EU ID 23 exceeds 2,000 ppmv.

Section 8. Requirements from Minor Permit AQ0068MSS02

Ambient Air Quality Protection Requirements

33. Fuel Gas Sulfur Content Limit. The Permittee shall not burn fuel gas with a hydrogen sulfide (H_2S) content greater than 2,000 parts per million volume (ppmv), stationary source-wide.

33.1 The Permittee shall monitor and record the hydrogen sulfide (H_2S) concentration in the fuel gas no less than monthly using the length-of-stain detector tube protocol covered by ASTM Method D 4810-88 and D 4913-89 or Gas Producer's Association Method 2377-86.

33.2 The Permittee shall monitor the fuel gas H_2S concentration at the following frequencies:

a. If the measured concentration is greater than 85% of the maximum allowable H_2S concentration (1,700 ppmv), monitor the fuel gas H_2S concentration weekly.

b. If the average of four consecutive weekly fuel gas H_2S concentrations is less than 1,700 ppmv, the Permittee may return to monthly monitoring specified by Condition 33.1.

33.3 The Permittee shall report the fuel gas H_2S concentration in the operating report required by Condition 39.

Section 9. General Recordkeeping, Reporting, and Certification Requirements

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

34.1 copies of all reports and certifications submitted pursuant to this section of the permit; and

34.2 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 sampling and 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.

35. 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.

35.1 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 35.1a, that the person accepts or agrees to be bound by an electronic record executed or adopted with that signature.

36. 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.

37. 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 35.

38. Excess Emissions and Permit Deviation Reports.

38.1 Except as provided in Condition 46, 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 non-routine 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 or is discovered, except as provided in Conditions 38.1c(ii) and 38.1c(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 38.1c(i); and

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

38.2 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 if the Permittee prefers, the form contained in Section 13 of this permit. The Permittee must provide all information called for by the form that is used.

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

39. Operating Reports. During the life of this permit, 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.

39.1 The operating report must include all information required to be in operating reports by other conditions of this permit.

39.2 If excess emissions or permit deviations that occurred during the reporting period are not reported under Condition 39.1, 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 38, the Permittee may cite the date or dates of those reports.

Section 10. Standard Terms and Conditions

40. 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

40.1 an enforcement action; or

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

41. 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.

42. 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.

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

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

45. 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

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

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

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

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

46. **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.

46.1 Monitoring, Recordkeeping, 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 38.

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 46.

46.2 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 46; or

b. the Department notifies the Permittee that it has found a violation of Condition 46.

46.3 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 46; and

d. any corrective actions taken or planned for complaints attributable to emissions from the stationary source.

46.4 With each stationary source operating report under Condition 39 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.

46.5 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.

Section 11. General Source Test and Monitoring Requirements

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

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

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

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

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

49.1 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.

49.2 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.

49.3 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.

49.4 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.

50. 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 emission unit type, corrected to standard conditions (dry gas at 68° F and an absolute pressure of 760 millimeters of mercury).

51. 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.

52. **Test Plans.** Except as provided in Condition 55, 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 emission unit will operate during the test and how the Permittee will document that operation. The Permittee shall submit a complete plan within 60 days after receiving a request under Condition 47 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.

53. **Test Notification.** Except as provided in Condition 55, 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.

54. **Test Reports.** Except as provided in Condition 55, 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 certify the results in the manner set out in Condition 35. If requested in writing by the Department, the Permittee must provide preliminary results in a shorter period of time specified by the Department.

55. **Test Exemption.** The Permittee is not required to comply with Conditions 52, 53, and 54 (Test Plans, Test Notification and Test Reports) for visible emissions observations using Method 9.

Section 12. Permit Documentation

Date	*Document Details*
March 25, 2014	Minor permit application.
May 23, 2014	Response to incomplete application letter.

Section 13. ADEC Notification Form[6]

King Salmon Platform	No. AQ0068MSS03
Stationary Source Name	**Air Quality Permit No.**
Hilcorp Alaska, LLC	
Company Name	**Date**

When did you discover the Excess Emissions/Permit Deviation?

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

When did the event/deviation occur?

Begin Date: _____ / _____ / _____ Time: _____ : _____ (Use 24-hr clock.)

End Date _____ / _____ / _____ Time: _____ : _____ (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

☐ 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 ☐ Schedule 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.

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

[6] 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 only one box, corresponding with the section in the permit):

☐ Emission Unit-Specific ☐ Generally Applicable Requirements

☐ Failure to Monitor/Report ☐ Reporting/Monitoring for Diesel Engines

☐ General Source Test/Monitoring Requirements ☐ Recordkeeping Failure

☐ Recording/Reporting/Compliance Certification ☐ Insignificant Emission Unit

☐ Standard Conditions Not Included in the Permit ☐ Stationary Source Wide

☐ Other Section: _____ (Title of section and section number of your permit).

(b) Emission Unit Involved:

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.

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.

(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:

Fax to: 907-451-2187

Or

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 39.

Or

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

Or

Phone Notification: 907-451-5173

Phone notifications require a written follow-up report.

Or

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

https://myalaska.state.ak.us/dec/air/airtoolsweb/

If submitted online, report must be submitted by an authorized E-Signer for the stationary source.