

DEPARTMENT OF ENVIRONMENTAL CONSERVATION
AIR QUALITY CONTROL MINOR PERMIT

Minor Permit: AQ0264MSS07

Preliminary Date – March 26, 2026

Rescinds Permit: AQ0264MSS06

The Alaska Department of Environmental Conservation (Department), under the authority of AS 46.14 and 18 AAC 50, issues Air Quality Control Minor Permit AQ0264MSS07 to the Permittee listed below.

Permittee: **United States Air Force**
354 Broadway Street Unit 19A
Eielson Air Force Base, AK 99702-1899

Stationary Source: **Eielson Air Force Base**

Location: Latitude 64° 41' North; Longitude 147° 05' West

Project: Revisions to Permit AQ0264MSS06

Permit Contact: Jamie Martin
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The Permittee submitted an application for Minor Permit AQ0264MSS07 under 18 AAC 50.508(6) in order to revise the terms and conditions of a Title I permit. The project is also classified under 18 AAC 50.502(b)(3) for operation of a rock crusher with a rated capacity of at least five tons per hour.

This 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.

James R. Plosay, Manager
Air Permits Program

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Abbreviations and Acronyms

AAAQS	Alaska Ambient Air Quality Standards	MMscf	million standard cubic feet
AAC.....	Alaska Administrative Code	MR&R.....	monitoring, recordkeeping, and reporting
ADEC	Alaska Department of Environmental Conservation	NESHAPs.....	National Emission Standards for Hazardous Air Pollutants [as contained in 40 C.F.R. 61 and 63]
AOS	Air Online Services	NO _x	nitrogen oxides
AS.....	Alaska Statutes	NRE.....	nonroad engine
ASTM.....	American Society for Testing and Materials	NSPS	New Source Performance Standards [as contained in 40 C.F.R. 60]
BACT	best available control technology	O & M	operation and maintenance
bhp.....	brake horsepower	O ₂	oxygen
CDX.....	Central Data Exchange	PM ₁₀	particulate matter less than or equal to a nominal 10 microns in diameter
CEDRI.....	Compliance and Emissions Data Reporting Interface	PM _{2.5}	particulate matter less than or equal to a nominal 2.5 microns in diameter
C.F.R.	Code of Federal Regulations	ppm	parts per million
CAA.....	Clean Air Act	ppmv, ppmvd.....	parts per million by volume on a dry basis
CO	carbon monoxide	psia	pounds per square inch (absolute)
Department	Alaska Department of Environmental Conservation	PSD	prevention of significant deterioration
dscf	dry standard cubic foot	PTE.....	potential to emit
EPA	US Environmental Protection Agency	SIC.....	Standard Industrial Classification
EU.....	emissions unit	SIP	State Implementation Plan
gr/dscf.....	grain per dry standard cubic foot (1 pound = 7000 grains)	SPC.....	Standard Permit Condition or Standard Operating Permit Condition
gph.....	gallons per hour	SO ₂	sulfur dioxide
HAPs	hazardous air pollutants [as defined in AS 46.14.990]	The Act.....	Clean Air Act
hp	horsepower	TPH	tons per hour
ID.....	emissions unit identification number	TPY	tons per year
kPa	kiloPascals	VOC	volatile organic compound [as defined in 40 C.F.R. 51.100(s)]
kWe	Kilowatt-electric	vol%	volume percent
lb/kW-hr	pounds per kilowatt-hour.	wt%	weight percent
MACT	maximum achievable control technology [as defined in 40 C.F.R. 63]	wt%S _{fuel}	weight percent of sulfur in fuel
MMBtu/hr.....	million British thermal units per hour		

Section 1 Emissions Unit Inventory

Emissions Unit (EU) Authorization. The Permittee is authorized to install and operate the EUs listed in Table 1 in accordance with the terms and conditions of this permit. The information in Table 1 is for identification purposes only, unless otherwise noted in the permit. The specific EU descriptions do not restrict the Permittee from replacing an EU identified in Table 1.

Table 1 – EU Inventory¹

EU ID	Emissions Unit Name	Emissions Unit Description	Rating/Size	Building Number	Install/Construction Date
Coal-Fired Boilers					
1	CH&PP Main Boiler #1	Springfield Boiler SN: HSB50480 A	132,000 lb steam/hr, 174 MMBtu/hr	6203	1952
1A	CH&PP Main Replacement Boiler #1A	TBD	132,000 lb steam/hr 174 MMBtu/hr	6203	TBD
2	CH&PP Main Boiler #2	Springfield Boiler SN: HSB50480 C	132,000 lb steam/hr, 174 MMBtu/hr	6203	1952
2A	CH&PP Main Replacement Boiler #2A	TBD	132,000 lb steam/hr, 174 MMBtu/hr	6203	TBD
3	CH&PP Main Boiler #3	Springfield Boiler SN: HSB50480 B	132,000 lb steam/hr, 174 MMBtu/hr	6203	1952
4	CH&PP Main Boiler #4	Springfield Boiler SN: HSB50480 D	132,000 lb steam/hr, 174 MMBtu/hr	6203	1952
4A	CH&PP Main Replacement Boiler #4A	TBD	132,000 lb steam/hr, 174 MMBtu/hr	6203	TBD
5A	CH&PP Main Replacement Boiler #5a	Indeck Keystone Energy Boiler SN: 2011-002	132,000 lb steam/hr, 174 MMBtu/hr	6203	Inst. 2016 Constr 2015
6A	CH&PP Main Replacement Boiler #6A	Indeck Keystone Energy Boiler SN: 2001-001	132,000 lb steam/hr,	6203	2014 Constr 2013

EU ID	Emissions Unit Name	Emissions Unit Description	Rating/Size	Building Number	Install/ Construction Date
			174 MMBtu/hr		
Liquid Fuel-Fired Boilers					
7	Auxiliary Heating Plant Boiler #1	Cleaver Brooks D-68 Boiler	60.6 MMBtu/hr	3351	2002
8	Auxiliary Heating Plant Boiler #2	Cleaver Brooks D-68 Boiler	60.6 MMBtu/hr	3351	2002
9	Missile Storage Boiler #1	Cleaver Brooks CB-100-80 Boiler	3.3 MMBtu/hr	1316	1991
10	Missile Storage Boiler #2	Cleaver Brooks CB-100-70 Boiler	2.9 MMBtu/hr	1316	1993
11	Alert Hangar Boiler #1	Cleaver Brooks CB-100-150 Boiler	6.0 MMBtu/hr	1300	2008
12	Alert Hangar Boiler #2	Cleaver Brooks CB-100-150 Boiler	6.0 MMBtu/hr	1300	2008
13	Wastewater Treatment Boiler #1	Cleaver Brooks CBLE-100-2001-30HW Boiler	6.7 MMBtu/hr	2081	2012
14	Wastewater Treatment Boiler #2	Cleaver Brooks CBLE-100-2001-30HW Boiler	6.7 MMBtu/hr	2081	2012
15	Auxiliary Heating Plant II Boiler #1	TBD	98 MMBtu/hr	B1342	TBD
16	Auxiliary Heating Plant II Boiler #2	TBD	98 MMBtu/hr	B1342	TBD
Propane-Fired Boilers					
17	Corrosion Control Heater #1	Weather Rite MD-240	14.7 MMBtu/hr	1348	1987
18	Corrosion Control Heater #2	Weather Rite MD-240	14.7 MMBtu/hr	1348	1987
Non-emergency Internal Combustion Engines (ICE)					
19A	CH&PP Main Auxiliary Generator	Cummins QSK95-G9 SN 37285272	4,039 bhp	6203	Inst 11/23/24 Const 2021
20	CH&PP Auxiliary Generator #1	Cummins Onan KTTA50-G2 SN 33140317	2,200 bhp 1,500 kW	6203	1998
21	CH&PP Auxiliary Generator #2	Cummins Onan KTTA50-G2 SN 33140312	2,200 bhp 1,500 kW	6203	1998
22	CH&PP Auxiliary Generator #3	Cummins Onan KTTA50-G2 SN 33140322	2,220 bhp 1,500 kW	6203	1998
23A	CH&PP Auxiliary Generator #4	Cummins Onan KTTA50-G2 SN 33131285	1,855 bhp	6203	Inst 11/18/24 Const 1995
Emergency Internal Combustion Engines (ICE)					

EU ID	Emissions Unit Name	Emissions Unit Description	Rating/Size	Building Number	Install/ Construction Date
24A	Wastewater Treatment Emergency Generator [R-13]	Cummins QSX15-G9 SN 80290304	755 bhp	2316	2021 Const 2020
25	Central Avenue (Clinic) Generator [R-23]	Cummins QSM11-G2 SN 35150886	470 bhp	3349	2006
26	Refueling Station Generator – Oscar Row [R-16]	Cummins Onan KTA38-G1 SN 97613-121	1,135 bhp	1245	1994
28A	Alert Hangar Generator [R-25]	Cummins QSB5G13 SN 74731853	173 bhp	1300	2022 Const 2020
29	Power Plant Fire Pump [P-21]	Caterpillar D3208 SN 03Z06180	196 bhp	6203	1987
30A	Missile Maintenance Generator	Cummins Onan 6BTA5.9-G3 SN 46339016	207 bhp	1302	TBD
31	Control Tower Generator [R-03]	Cummins Onan 6BTAA5.9 G-1 SN 46339712	207 bhp	1216	2005
32A	Telephone Exchange Generator [R-14]	Caterpillar C7.1 SN 45506018	229 bhp	3110	2024
33	Command Post Generator [R-02]	Cummins QSB5-G3 SN 46962129	145 bhp	3112	2009
34	Airfield Lighting Generator [R-01]	Cummins Onan QSM11-G2 SN 35087769	470 bhp	1146	2003
35A	Fire Pump P-08 (Thunder Dome #1)	Cummins QSL9 Firewater Pump Engine SN 73418762	365 bhp	1142	2016 Const 2012
36A	Fire Pump P-09 (Thunder Dome #2)	Cummins QSL9 Firewater Pump Engine SN 73418764	365 bhp	1142	2015 Const 2012
37A	Fire Pump P-10 (Thunder Dome #3)	Cummins QSL9 Firewater Pump Engine SN 73418760	365 bhp	1142	2016 Const 2012
38	Fire Pump P-11 (F-16 Hangar Pump #1)	Cummins NT855-F3 Firewater Pump Engine SN 18109820	340 bhp	1310	1986
39	Fire Pump P-12 (F-16 Hangar Pump #2)	Cummins NT855-F3 Firewater Pump Engine SN 18109821	340 bhp	1310	1986
40	Fire Pump P-13 (F-16 Hangar Pump #3)	Cummins NT855-F3 Firewater Pump Engine SN 18109825	340 bhp	1310	1986
41	Fire Pump P-19 (Hog Pen A-10s)	Detroit Diesel DDFP-04AT 7088 Firewater Pump Engine SN 4A-288070	235 bhp	1225	Inst 1994 Const 1994
43	Fire Pump P-06 – Fire Support	Caterpillar 3208 Firewater Pump Engine SN 90N70458	121 bhp	1250	1989

EU ID	Emissions Unit Name	Emissions Unit Description	Rating/Size	Building Number	Install/ Construction Date
44	Fire Pump P-05 – Fire Support	Caterpillar 3208 Firewater Pump Engine SN 90N70449	121 bhp	1235	1990
45	Fire Pump P-01 – Fire Support	Caterpillar 3208 Firewater Pump Engine SN 90N70452	121 bhp	1118	1989
46	Taxi Way P-04 Fire Pump #3	Caterpillar 3208 Firewater Pump Engine SN 90N70460	121 bhp	1210	1989
47	Flightline P-03 Fire Pump #3	Caterpillar 3208 Firewater Pump Engine SN 90N70463	121 bhp	1170	1989
48	Fire Pump P-02	Caterpillar 3208 Firewater Pump Engine SN 90N70454	121 bhp	1139	1989
49	Communications Squadron Emergency Generator [R-10]	Cummins-Onan 6BT5.9-G6 SN 46302171	170 bhp	2268	2003
50	Water Treatment Plant Generator [R-35]	Cummins QSM11-G4 NR3 SN 35253797	470 bhp	3228	2012
51	Utilidor (Auxiliary Heat Plant) Emergency Generator [R-11]	Cummins-Onan KTA65306 SN 37201881	755 bhp	3351	2002
52	E-2 Complex Fuel Tank Emergency Generator [R-17]	Detroit Diesel R0837K36 SN 968830	765 bhp	6231	2002
53	Fuel Hydrant System Emergency Generator [R-15]	Caterpillar 3412 SN 3FZ02226	749 bhp	1211	2002
54	Joint Mobility Complex (JMC) Emergency Generator [R-24]	Cummins QST30-G2NRI SN 37204892	1,200 bhp	4370	2002
55A	North ILS Generator [R-07]	Cummins 4BT3.3-G5 SN 72055506	69 bhp	1103	2021 Const 2020
56	DET 460 Generator [R-04]	Cummins QSB5-G3-NR3 SN 46964574	145 bhp	1183	2010
59	New Security Forces Facility Generator [R-18]	Cummins NTA-855-G3 SN 30371641	535 bhp	3134	2005
60	Fire Station No. 1 Generator [R-21]	Cummins 6BT5.9-G6 SN 46302244	170 bhp	1206	2003
62	354 Wing MOC Generator [R-28]	Cummins 6BT5.9-G6 Diesel SN 46302331	170 bhp	1347	2004

EU ID	Emissions Unit Name	Emissions Unit Description	Rating/Size	Building Number	Install/Construction Date
63	F-Well Pump [P-17]	Cummins QSB5.9-230HD SN 73073203	230 bhp	3427	2010
64A	A Water Well Pump Generator [R-31]	Cummins QSB5-G3 NR3 SN 73353381	145 bhp	3408	2012
64B	B Water Well Pump Generator	Cummins QSB5-G3 NR3 SN 73353386	145 bhp	3430	2018
65B	Aircraft Arrestor Engine NW	Duetz D2011L04i SN 11966836	64 bhp	1113	2025 Const 2016
66B	Aircraft Arrestor Engine NE	Duetz D2011L04i SN 12062787	64 bhp	1113	2025 Const 2016
67A	Aircraft Arrestor Engine ¾ W	Duetz D2011L04i SN 13388457	61 bhp	1119	2015 Const 2013
68A	Aircraft Arrestor Engine ¾ E	Duetz D2011L04i SN 11340562	61 bhp	1119	2015 Const 2012
69A	Aircraft Arrestor Engine SE	Duetz D2011L04i SN 12599304	64 bhp	1265	2022 Const 2020
70B	Aircraft Arrestor Engine SW	Duetz D2011L04i SN 12599301	64 bhp	1265	2022 Const 2020
71	Loop Refueling (Type III Hydrant) Generator [R-36]	Cummins KTA19-G3 SN 37218566	685 bhp	1308	2006
72	AH&P Plant II Generator	TBD	1,810 bhp	TBD	TBD
73	4 Bay Loop Hangar Emergency Generator [R-26]	Cummins QSB7-G3-NR3 SN 73056416	250 bhp	1335	2010
74	8 Bay Loop Hangar Emergency Generator [R-39]	Cummins QSL9-GN-NR3 SN 46355721	364 bhp	1338	2010
75	Missile Maintenance Well Pump Emergency Generator [R-37]	Cummins 4BT3.9-G4 SN 46600983	99 bhp	1301	2006 Const 2006
76	E-2 Farm Fire Pump Emergency Generator [P-25]	John Deere JU4HUF50 SN PE4045T282577	130 bhp	6247	Mfg. 2003
77	Dining Facility Emergency Generator [R-27]	Cummins QSL9-G2 NR3 SN 73059990	364 bhp	2207	2010
78	Red Flag Emergency Generator [R-29]	Cummins QSB5-G3 NR3 SN 46925031	145 bhp	1141	2009
79	Tank E-6 Generator	Caterpillar C13	539 bhp	6250	TBD

EU ID	Emissions Unit Name	Emissions Unit Description	Rating/Size	Building Number	Install/Construction Date
80	Cooling Pond Generator [R-41]	Cummins QSX15-G9 SN 79397696	755 bhp	6207	2011
112	North Glideslope Generator [R-08]	Kubota V3300-BG-ET01 SN CA0228	36.5 bhp	1110	2001
113	ASOS/GPS Generator [R-09]	Cummins Onan 4B3.9-G2 SN 46453162	68 bhp	1117	2005
114	Base Radio MARS Generator [R-30]	Cummins Onan B3.3-G1 SN 68013834	56 bhp	4308	2003
115	TACAN South Glideslope Generator [R-05]	Cummins Onan 4BT3.9-G4 SN 46388901	49 hp	1259	2005
116	Lift Station Generator [R-12]	Cummins Onan QSB5-G3 NR3 SN 73224517	145 bhp	2212	2011
117	South ILS Generator [R-06]	Cummins Onan 4BT3.9-G4 SN 46388888	99 bhp	1333	2005
118A	Quarry Hill Emergency Generator [R-34]	Kubota V3300-BG-ET01 SN CA0591	48.9 bhp	6402	2018 Const 2012
119	POL Control Generator [R-33]	Kubota V2203-M-BG-ET02 SN 9U0752	26.9 hp	3240	2010
120	Maintenance Squadron/Unit Control Center (MXS/UCC) Generator [R-32]	Lister Petter LPW4 SN 754-40011	38.6 bhp	3462	1999
122	Fire Station #2 Generator [R-22]	John Deere 4039TF004 SN CD4039T305177	102 bhp	4870	1997
124	Emergency Wastewater Pump Engine	John Deere 4045DF270B	80 bhp	2316	2008
125	Emergency Wastewater Pump Engine	John Deere 4045DF270B	80 bhp	2316	2008
129	North Slope Relay Generator [R-38]	Cummins QSB5-G3 NR3 SN 73039590	145 bhp	6401	2011
130	OSS/Weapons/Intel Facility Emergency Generator [R-19]	Cummins QSB5-G6 NR3 SN 74451329	208 bhp 155 kWe	1220	2019 Const 2019
131	Consolidated Munitions Facility Emergency Generator [R-40]	Cummins QSB5-G13 SN 74551896	173 bhp 129 kWe	6210	2020 Const 2019

EU ID	Emissions Unit Name	Emissions Unit Description	Rating/Size	Building Number	Install/Construction Date
132	Tank E-11 Generator [R-42]	Caterpillar C13 SN PW301775	539 bhp	6261	2023 Const 2023
Hush House (Jet Engine Test Facility)					
81	Hush House	Model A/F37T-10N SN 122	N/A	1350	1989
Portable Asphalt/Rock Crusher Diesel Fired Internal Combustion Engines					
82	Recycle Plant Engine	John Deere Diesel Engine	450 hp	N/A	2006
83	Jaw Crusher Engine	John Deere Diesel Engine	450 hp	N/A	2006
84	Hydrascreen Engine	Deutz Diesel Engine	96 hp	N/A	2006
Portable Asphalt/Rock Crusher Equipment					
86	Tertiary Crusher(s)	Various	150 TPH	N/A	TBD
89	Screen(s)	Various	600 TPH	N/A	TBD
93	Fines Screen(s)	Various	150 TPH	N/A	TBD
97	Truck Unloading to All Crushers	N/A	1,500 TPH	N/A	TBD
101	Primary/Secondary Crusher(s)	Various	600 TPH	N/A	TBD
87-88, 90-92, 94-96, 98-100, 102, 103	Conveyer Transfer Points	Misc.	1,500 TPH (combined)	N/A	TBD
Other Regulated Sources					
85	Fire Training	Fire Training Burn	10,000 gal	N/A	N/A
109	Aircraft Corrosion Control Facility	Regulated Surface Coating	N/A	1348	1987
Coal Processing Equipment Subject to NSPS Subpart Y					
110A	Sandwich Belt Conveyer	Regulated Coal Processing System	N/A	N/A	1994
110B	Segment Crusher	Regulated Coal Processing System	N/A	N/A	2013
111	Coal Tripper System	6 Identical 2,500 cfm Pulse Jet Collector Bin Vent Filters	150 TPH	6203	2010
Fuel Storage Tanks					
104	Tank 1317-1	South Loop Tank #100	420,000 gal	N/A	2006
105	Tank 1318-1	South Loop Tank #200	420,000 gal	N/A	2006
106	Tank 3241-5	Tanker Row Tank #3231-500	420,000 gal	N/A	2000

EU ID	Emissions Unit Name	Emissions Unit Description	Rating/Size	Building Number	Install/Construction Date
107	Tank 3244-6	Tanker Row Tank #3244-600	420,000 gal	N/A	2000
126	Underground Storage Tank 1207-3	Horizontal Gasoline Fuel Tank at Quartermaster Station	26,000 gal	1217	1987
127	Underground Storage Tank 1207-4	Horizontal Gasoline Fuel Tank at Quartermaster Station	26,000 gal	1218	1987
128	Underground Storage Tank 1207-5	Horizontal Gasoline Fuel Tank at Quartermaster Station	26,000 gal	1219	1987

Notes:

1. Install/Construction dates denoted 'TBD' are to be determined, and have not yet been installed.
2. EU ID 85 Fire Training is included in the EU inventory for transparency purposes only.

1. The Permittee shall comply with all applicable provisions of AS 46.14 and 18 AAC 50 when installing a replacement EU, including any applicable minor or construction permit requirements.
2. **Verification of Equipment Specifications and Maintenance of Equipment.** The Permittee shall install and maintain the equipment listed in Table 1 according to the manufacturer's or operator's maintenance procedures. Keep a copy of the manufacturer's or operator's maintenance procedure onsite and make records available to the Department personnel upon request. The records may be kept in electronic format.

Section 2 *Fee Requirements*

- 3. **Fee Requirements.**** The Permittee shall pay to the Department all assessed permit fees. Fee rates are set out in 18 AAC 50.400 – 499.

Section 3 State Emission Standards

- 4. Visible Emissions for Industrial Process and Fuel-Burning Equipment.** The Permittee shall not cause or allow visible emissions, excluding condensed water vapor, emitted from EU IDs 7 - 18, 19A, 20 - 22, 23A, 24A, 25, 26, 28A, 29, 30A, 31, 32A, 33, 34, 35A - 37A, 38 - 41, 43 - 54, 55A, 56, 59, 60, 62, 63, 64A, 64B, 65A - 69A, 70B, 71 - 84, 86 - 103, 110A, 110B, 111 - 117, 118A, 119 - 120, 122, 124, 125, and 129 - 132, listed in Table 1 to reduce visibility through the exhaust effluent by more than 20 percent averaged over any six consecutive minutes.
 - 4.1 For EU IDs 23A, 24A, 28A, 30A, 32A, 35A - 37A, 55A, 65B - 69A, 70B, 118A, and 130 - 132 perform an initial Method 9 observation within 60 days of initial startup of each EU.
 - a. Record the date of initial startup of EU IDs 23A, 24A, 28A, 30A, 32A, 35A - 37A, 55A, 65B - 69A, 70B, 118A, and 130 - 132.
 - b. Report the results of the Method 9 observations required by Condition 4.1 in the first operating report due after the observations were performed, required by the operating report described in the applicable operating permit issued to the stationary source under AS 46.14 and 18 AAC 50.
- 5. Particulate Matter for Industrial Process and Fuel-Burning Equipment.** The Permittee shall not cause or allow particulate matter emitted from EU IDs 7 - 18, 19A, 20 - 22, 23A, 24A, 25, 26, 28A, 29, 30A, 31, 32A, 33, 34, 35A - 37A, 38 - 41, 43 - 54, 55A, 56, 59, 60, 62, 63, 64A, 64B, 65B - 69A, 70B, 71 - 84, 85, 86 - 103, 110A, 110B, 111 - 117, 118A, 119 - 120, 122, 124, 125, and 129 - 132, listed in Table 1, to exceed 0.05 grains per dry standard cubic foot of exhaust gas corrected to standard conditions and averaged over three hours.
- 6. Sulfur Compound Emissions.** The Permittee shall not cause or allow sulfur compound emissions, expressed as SO₂, from EU IDs 7 - 18, 19A, 20 - 22, 23A, 24A, 25, 26, 28A, 29, 30A, 31, 32A, 33, 34, 35A - 37A, 38 - 41, 43 - 54, 55A, 56, 59, 60, 62, 63, 64A, 64B, 65B - 69A, 70B, 71 - 84, 85, 86 - 103, 110A, 110B, 111 - 117, 118A, 119, 120, 122, 124, 125, and 129 - 132 in Table 1, to exceed 500 parts per million (ppm) averaged over three hours.

Section 4 Best Available Control Technology Limits

7. EU IDs 20 – 23A BACT NO_x Limits.

- 7.1 The Permittee shall not cause or allow the following limits on EU IDs 20 – 23A to be exceeded:
- a. NO_x emissions shall not exceed 10.8 grams per horsepower-hour;
 - b. Maximum power output shall not exceed 1,125 kW for each unit averaged over one hour (the load for which the performance test shows compliance with the NO_x emission limit). After a performance test, the maximum power output, averaged over one hour, may exceed 1,125 kW up to any load for which a performance test shows compliance with Condition 7.1a¹; and
 - c. Fuel consumption shall not exceed a combined cumulative total of 173,800 gallons in any 12 consecutive months.
- 7.2 Monitoring and Recordkeeping. The Permittee shall:
- a. Install an engine or generator governor that will limit maximum power output of each unit to no more than power output specified in Condition 7.1b for periods when the generators are in operation.
 - b. Monitor and record the monthly and the 12-month rolling fuel consumption for each of EU IDs 20 – 23A. Fuel consumption may be measured either by:
 - (i) Storing fuel in tanks dedicated only to EU IDs 20 – 23A and directly measuring tank contents to an accuracy of ± 100 gallons; or
 - (ii) Installing and using fuel meters calibrated and certified to be accurate to ± 5 percent.
 - c. Calculate and record the combined 12-month rolling fuel consumption for EU IDs 20 – 23A on a monthly basis.
- 7.3 Reporting. The Permittee shall:
- a. Include in each operating report described in the operating permit issued to the stationary source under AS 46.14.130(b) and 18 AAC 50, the monthly and 12-month rolling total fuel consumption recorded for EU IDs 20 – 23A as set out by Conditions 7.2b and 7.2c for each month covered by the report.
 - b. Report as excess emissions and permit deviations as described by the applicable operating permit issued for the source under AS 46.14.130(b) and 18 AAC 50, should EU IDs 20 – 23A exceed any of the limits set out in Condition 7.

¹ On 1/27/2014, the Department approved a 11/27/2013 performance test on EU IDs 21 and 22 demonstrating a maximum power output of 1,425 kW shows compliance with Condition 7.1a. The Department approved the request to operate EU IDs 20 – 23A at the maximum power of 1,425 kW and not lower than 300 kW.

Section 5 Ambient Air Quality Protection Requirements

8. Fuel Sulfur Limit. The Permittee shall comply with the following fuel sulfur content limit to protect ambient air:

- 8.1 For EU IDs 7 – 16, 19A – 80, 112 – 120, 122 – 125, and 129, the maximum sulfur content of diesel or distillate fuel burned shall not exceed 0.15 percent by weight; and
- 8.2 Monitor, record, and report as described in the operating permit issued for the source under AS 46.14.130(b) and 18 AAC 50.
- 8.3 Report as excess emissions and permit deviation described in the operating permit issued for the source under AS 46.14.130(b) and 18 AAC 50, any time the fuel sulfur content exceeds the limit in Condition 8.1.

9. Emergency Engine Hourly Operations Limit. The Permittee shall not operate any of EU IDs 24A – 80, and 122 for greater than 200 hours per 12-month rolling period.

9.1 Monitoring and Recordkeeping. The Permittee shall:

- a. Monitor and record the hours of operation of each unit at least once per month.
- b. Calculate and record the total monthly and the consecutive 12-month period total hours of operation for each unit.

9.2 Reporting. The Permittee shall:

- a. Include in the operating report described in the operating permit issued for the source under AS 46.14.130(b) and 18 AAC 50, the consecutive 12-month total hours of operation for each of EU IDs 24A – 80, and 122 for each of the months covered by the report.
- b. Report as excess emissions and permit deviation described in the operating permit issued for the source under AS 46.14.130(b) and 18 AAC 50, if the consecutive 12-month total hours of operation of any of EU IDs 24A – 80, or 122 for a given month exceed the limit in Condition 9.

10. EU ID 81 Hush House Jet Engine Test Limit. The Permittee shall limit combined F-16 engine tests to no greater than 70 tests per 12-month rolling period.

10.1 Monitoring and Recordkeeping. The Permittee shall:

- a. For each test, record the date and type of engine tested.
- b. For each month, calculate and record the 12-month totals of F-16 engine tests.

10.2 Reporting. The Permittee shall:

- a. Including in the operating report described in the operating permit issued for the source under AS 46.14.130(b) and 18 AAC 50, the 12-month rolling total of F-16 engine tests for each month of the reporting period.

- b. Report as excess emissions and permit deviation described in the operating permit issued for the source under AS 46.14.130(b) and 18 AAC 50, if the limit of Condition 10 is exceeded.

11. Asphalt/Rock Crusher Location.

11.1 The Permittee shall not operate the asphalt/rock crusher at a location:

- a. Within 400 feet of any occupied building that can be access by the general public²;
- b. Within 1,000 feet of a building used for residential or temporary lodging purposes; or
- c. Within 1,000 feet of any access road that constitutes ambient air.

11.2 Monitoring, Recordkeeping, and Reporting. The Permittee shall:

- a. Apply wet suppression methods (i.e. spray nozzles) to EU ID 86 – 103. Monitor using visual observations to ensure that dust is continuously controlled (i.e. apply more water in the event rock crusher operations are visually generating dust at any time).
- b. For operations in locations other than the following locations at Eielson Air Force Base described in Appendix E of the application for Minor Permit AQ0264MSS03, including: Loop Access Road, Mullins Pit, and Cathers Lake, the Permittee shall:
 - (i) Provide notice to the Department at least 10 days in advance of the move of any crusher operation by using the Location Change Form in Section 10 of this permit; and
 - (ii) Give adequate consideration to siting issues as described in Condition 11.1 when operating or changing locations of a crusher permitted to operate under this permit.
- c. In addition to complying with Condition 11.1, if the operator selects a location near residences or other occupied structures that can be accessed by the general public and this location results in complaints concerning the air emissions, the Department will investigate the complaints. These investigations could result in:
 - (i) The operator being required to prove, by air quality dispersion modeling or other means, that emissions from the crusher are not harmful to the neighbors by conducting an ambient air quality investigation under 18 AAC 50.201;

² In this permit “general public” includes families and guests of base personnel.

- (ii) The requirements to reduce emissions or implement another control strategy to reduce the ambient impact of those emissions as necessary to ensure that the concentration of air pollutants in the ambient air does not exceed the ambient air quality standards, maximum allowable ambient concentrations, or the limitations of 18 AAC 50.110;
 - (iii) Air quality monitoring investigations; and
 - (iv) The requirement to obtain a site-specific permit with requirements tailored to the exact operation contemplated.
 - d. Operators must be aware that if additional dispersion modeling, an investigation under 18 AAC 50.201, or a site-specific permit is needed, these requirements could result in significant delays and expenses.
- 12. Asphalt/Rock Crusher Signage.** The Permittee shall erect signs at locations that are 400 feet or more away from the asphalt/rock crusher while operating, indicating that:
 - 12.1 Authorized personnel only can proceed beyond the signs; and
 - 12.2 Any person who proceeds beyond the signs will be escorted from the area.
- 13. EU IDs 86 – 103 Crusher Equipment Limits.** The Permittee shall:
 - 13.1 Limit the combined ratings of equipment installed as EU IDs 86 – 103 as follows:
 - a. EU ID 97 (Truck unloading to all crushers) to no more than 1,500 tons per hour (TPH);
 - b. EU ID 101 (Primary/Secondary crushing) to a combined rating of no more than 600 TPH;
 - c. EU ID 86 (Tertiary Crushing) to a combined rating of no more than 150 TPH;
 - d. EU ID 89 (Screening) to a combined rating of no more than 600 TPH;
 - e. EU ID 93 (Fines Screening) to a combined rating of no more than 150 TPH; and
 - f. EU IDs 87, 88, 90 – 92, 94 – 96, 98, 99, 100, 102, and 103 (Conveyor transfer points) to a combined rating of no more than 1,500 TPH.
 - 13.2 At least once every semiannual period, the Permittee shall record:
 - a. The maximum rated capacity for each crusher and screen installed at the facility;
 - b. The maximum combined capacity of all crushers of each type (primary/secondary or tertiary);
 - c. The combined capacity of screens of each type (standard screening or fines screening);

- d. The total number and combined capacity of conveyor drop points; and
- e. The power source (i.e., highline power, nonroad engine) for each of EU IDs 86 – 103 while in operation for that semiannual period.

13.3 Reporting. The Permittee shall report as follows:

- a. Include the records and calculations required under Condition 13.2 in the operating report described in the operating permit issued for the source under AS 46.14.130(b) and 18 AAC 50. Additionally, include a statement certifying that the equipment EU IDs 86 – 103 did not operate in excess of 3,650 hours in the most recent consecutive 12-month period.
- b. Report as excess emissions and permit deviation described in the operating permit issued for the source under AS 46.14.130(b) and 18 AAC 50, if the limits in Condition 13.1 or the recordkeeping requirements in Condition 13.2 are not met.

14. EU IDs 15 and 16 Fuel Limit. The Permittee shall limit combined fuel consumption of EU IDs 15 and 16 to no greater than 3,583,851 gallons fuel per 12-month rolling period.

14.1 Monitoring and Recordkeeping. The Permittee shall

- a. Record daily fuel consumption in accordance with the reporting and recordkeeping requirements of 40 C.F.R. 60.48c (NSPS Subpart Dc).
- b. Calculate and record the cumulative monthly 12-month rolling total gallons of fuel consumed by EU IDs 15 and 16.

14.2 Reporting. The Permittee shall:

- a. Include in the operating report described in the operating permit issued for the source under AS 46.14.130(b) and 18 AAC 50, the cumulative 12-month total fuel consumption for EU IDs 15 and 16 for each of the months covered by the report.
- b. Report as excess emissions and permit deviation described in the operating permit issued for the source under AS 46.14.130(b) and 18 AAC 50, if the cumulative 12-month total fuel consumption for a given month exceeds the limit of Condition 14.

Section 6 ORLs to Avoid Permit Classifications

ORL to Avoid Prevention of Significant Deterioration (PSD) Classification under 18 AAC 50.306 for SO₂

- 15. Fuel Sulfur Limit.** To avoid PSD classification for SO₂, the Permittee shall comply with Ambient Air Protection Requirement Condition 8.

ORL to Avoid PSD Classification under 18 AAC 50.306 for NO_x

- 16. Emergency Engine Hourly Operations Limit.** The Permittee shall comply with Ambient Air Protection Requirement Condition 9.

ORL to Avoid PSD Classification under 18 AAC 50.306 for NO_x and SO₂

- 17. EU IDs 15 and 16 Fuel Limit.** The Permittee shall comply with Ambient Air Protection Requirement Condition 13.

ORL to Avoid PSD Classification under 18 AAC 50.306 for NO_x and CO

- 18. EU IDs 7 and 8 Hourly Operations Limit.** The Permittee shall limit the cumulative hours of operation of EU IDs 7 and 8 to 4,464 hours per consecutive 12-month period.

18.1 Monitoring and Recordkeeping. The Permittee shall monitor and record the cumulative monthly and the cumulative 12-month rolling combined total hours of operation for EU IDs 7 and 8.

18.2 Reporting. The Permittee shall:

- a. Include in the operate report described in the operating permit issued for the source under AS 46.14.130(b) and 18 AAC 50, the monthly and consecutive 12-month total combined hours of operation for EU IDs 7 and 8 for each month of the reporting period.
- b. Report as excess emissions and permit deviation described in the operating permit issued for the source under AS 46.14.130(b) and 18 AAC 50, if the consecutive 12-month cumulative hours of operation of EU IDs 7 and 8 for any given month exceed the limit in Condition 18.

ORL to Avoid Minor Permit Classification under 50.502(c)(3) for NO_x and PSD Classification under 18 AAC 50.306 for NO_x

- 19. Asphalt/Rock Crusher Engine Operations Limits.** The Permittee shall:

19.1 Limit EU IDs 82 and 84 to 4,000 hours per 12 consecutive months, each, for PSD modification avoidance; and

19.2 Limit EU ID 83 to 4,000 hours per 12 consecutive months for PSD modification avoidance and to avoid minor permit classification under 18 AAC 50.502(c)(3).

19.3 Monitoring and Recordkeeping. The Permittee shall:

- a. Install and operate a dedicated continuous monitoring system for recording operating hours for each unit that is accurate to ± 5 percent.
- b. Monitor and record monthly the operating hours for each unit separately.
- c. No later than the end of the following month, add the monthly operating hours for each EU IDs 82, 83, and 84 to the total for the previous 11 months, to get the 12 month total for each unit.

19.4 Reporting. The Permittee shall:

- a. Include the records and calculations required under Conditions 19.3b and 19.3c in the operating report described in the operating permit issued for the source under AS 46.14.130(b) and 18 AAC 50.
- b. Report as excess emissions and permit deviation described in the operating permit issued for the source under AS 46.14.130(b) and 18 AAC 50, if the 12 month total in Condition 19.3c exceeds 4,000 hours for any of the EU IDs 82, 83, or 84.

Section 7 Recordkeeping, Reporting, and Certification Requirements

- 20. 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 emissions 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.
- 20.1 The Department may accept an electronic signature on an electronic application or other electronic record required by the Department if the person providing the electronic signature
- a. uses a security procedure, as defined in AS 09.80.190, that the Department has approved; and
 - b. accepts or agrees to be bound by an electronic record executed or adopted with that signature.
- 21. Submittals.** Unless otherwise directed by the Department or this permit, the Permittee shall submit to the Department one certified copy of reports, compliance certifications, and/or other submittals required by this permit. The Permittee may submit the documents electronically or by hard copy.
- 21.1 Submit the certified copy of reports, compliance certifications, and/or other submittals in accordance with the submission instructions on the Department’s Standard Permit Conditions web page at <http://dec.alaska.gov/air/air-permit/standard-conditions/standard-condition-xvii-submission-instructions/>.
- 22. 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, 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.
- 23. Regional Haze Visibility Protection Area.** The Permittee shall comply as follows:
- 23.1 Maintain onsite for 10 years, records of any maintenance to any significant emissions unit that is not an insignificant emissions unit under 18 AAC 50.326(d) – (i) that has or may have an effect on any emission that affects visibility of Class I areas, including critical maintenance that has occurred or is planned to occur, including all schedules, practices, and maintenance records for each significant emissions unit and control device according the manufacturer’s emission-related written instructions.

- 23.2 For EU IDs 1A, 2A, 4A, 15, 16, 23A, 24A, 28A, 30A, 32A, 35A – 37A, 55A, 65B – 69A, 70B, 72, 79, 118A, and 130 – 132, include a best estimate of the projected equipment life of the significant emissions unit, if known, in the first operating report required in the operating permit issued for the source under AS 46.14.130(b) and 18 AAC 50 after the emissions unit is installed.

Section 8 *Standard Permit Conditions*

24. 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
 - 24.1 an enforcement action; or
 - 24.2 permit termination, revocation and reissuance, or modification in accordance with AS 46.14.280.
25. 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.
26. 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.
27. 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.
28. The permit does not convey any property rights of any sort, nor any exclusive privilege.
29. 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
 - 29.1 enter upon the premises where an emissions unit subject to this permit is located or where records required by the permit are kept;
 - 29.2 have access to and copy any records required by this permit;
 - 29.3 inspect any stationary source, equipment, practices, or operations regulated by or referenced in the permit; and
 - 29.4 sample or monitor substances or parameters to assure compliance with the permit or other applicable requirements.

Section 9 Permit Documentation

<u>Date</u>	<u>Document Details</u>
February 21, 2025	Application to revise Minor Permit AQ0264MSS06 received. Department performed application intake for new minor permit AQ0264MSS07, to comport with requested condition revisions, new proposed conditions, and addition/removal/replacement of emissions units.
March 18, 2025	Department submitted to USAF Information Request 1 for additional application information.
March 3, 2025	Response received from USAF regarding Information Request 1: Coal Boiler PTE calculations, Auxilliary PG Generators PTE calculations, Installed EU Inventory, CO emission increase, HAP PTE calculations, and emergency engine hour calculations.
March 18, 2025	Department submitted to USAF Information Request 2 for additional application information.
April 29, 2025	Response received from USAF regarding Information Request 2: Fuel Tank Loading ORL, Asphalt/Rock Crusher engine limits, Consolidated Munitions Facility engine location, and Title V Federal Subparts.
May 2, 2025	Response received from USAF regarding CO emission increase not triggering PSD major modification.
May 9, 2025	Meeting between ADEC, USAF, and Consultant staff regarding implementing Control Method MR&R and new Asphalt/Rock Crusher engine limits.
July 11, 2025	Response received from USAF regarding generalizing crusher ratings and analysis of previous ambient demonstrations.
August 25, 2025	Department submitted to USAF Information Request 3 for additional application information.
September 10, 2025	Response received from USAF regarding Information Request 3.

Section 11 Visible Emissions Form

VISIBLE EMISSIONS OBSERVATION FORM

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

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

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

Section 12 Notification Form³

Eielson Air Force Base

Stationary Source Name

United States Air Force

Company Name

AQ0264MSS07

Air Quality Permit Number

When did you discover the Excess Emissions/Permit Deviation?

Date: ____ / ____ / ____

Time: ____ : ____

When did the event/deviation occur?

Begin: Date: ____ / ____ / ____

Time: ____ : ____ (please use 24-hr clock)

End: Date: ____ / ____ / ____

Time: ____ : ____ (please use 24-hr clock)

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

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

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

Excess Emissions - Complete Section 1 and Certify

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

Deviation from Permit Conditions - Complete Section 2 and Certify

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

Deviation from COBC⁴, CO⁵, or Settlement Agreement - Complete Section 2 and Certify

³ Revised as of July 22, 2020.

⁴ Compliance Order By Consent

⁵ Compliance Order

Section 1. Excess Emissions

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

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

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

(c) **Description**

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

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

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

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

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

Opacity _____%

Venting _____(gas/scf)

Control Equipment Down

Fugitive Emissions

Emission Limit Exceeded

Marine Vessel Opacity

Flaring

Other: _____

(f) **Corrective Actions:**

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

(g) **Unavoidable Emissions:**

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

YES

NO

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

YES

NO

Certify Report (go to end of form)

Section 2. Permit Deviations

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

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

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

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

EU ID	EU Name	Permit Condition /Potential Deviation

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

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

(d) Corrective Actions:

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

Certification:

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

Printed Name: _____ Title _____ Date _____

Signature: _____ Phone number _____

NOTE: *This document must be certified in accordance with 18 AAC 50.345(j). Read and sign the certification in the bottom of the form above. (See Condition 20.)*

Beginning September 7, 2023, Excess Emissions and Permit Deviations must be submitted through the AOS Permittee Portal at <http://dec.alaska.gov/applications/air/airtoolsweb/>.

This Notification Form may only be used to satisfy the reporting requirements if the Department has approved alternative reporting options in writing prior to submittal.

[18 AAC 50.346(b)(3)]