

United States Air Force
Eielson Air Force Base
Addendum to the
Title V Renewal Application
AQ0264TVP02, Rev. 5

January 2025

Prepared by:

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Form A1 Stationary Source Supplemental Information

FORM A1
Stationary Source (General Information)

GENERAL INFORMATION	
1. Permittee:	
Permittee Name: United States Department of the Air Force	
Mailing Address Line 1: 354 Broadway Street, Unit 19A	
Mailing Address Line 2	
City: Eielson Air Force Base	State: AK Zip Code: 99702-1899
2. Stationary Source Name: Eielson Air Force Base	
3. Stationary Source Physical Address:	
Physical Address Line 1: 354 Broadway Street Unit 19A	
Physical Address Line 2	
City: Eielson Air Force Base	State: AK Zip Code: 99702-1899
4. Location: 23 road miles southeast of Fairbanks Alaska Latitude: 64 degrees 41 minutes North Longitude: 147 degrees 5 minutes West	
5. Primary SIC Code: 9711	Primary NAICS Code: 928110
SIC Code Description: National Security	
6. Current/Previous Title V Air Permit No.: AQ0265TVP02, Revision 5 Expiration Date: April 15, 2018	
7. Does this application contain confidential data? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
8. APPLICATION IS BEING MADE FOR:	
<input type="checkbox"/> Initial Title V Permit for this Stationary Source <input type="checkbox"/> Modify Title V Permit (currently permitted) <input checked="" type="checkbox"/> Title V Permit Renewal	
9. CONTACT INFORMATION (Attach additional sheets if needed)	
Owner:	Operator: Same as Owner
Name/Title: <i>United States Department of the Air Force</i>	Name/Title:
Mailing Address Line 1: 354 Broadway Street, Unit 19A	Mailing Address Line 1:
Mailing Address Line 2	Mailing Address Line 2
City: Eielson Air Force Base State: AK Zip Code: 99702-1899	City: State: Zip Code:
Permittee's Responsible Official:	Designated Agent:
Name/Title: Paul P. Townsend, Colonel / Commander, 354 th Fighter Wing (FW)	Name/Title: 354 FW/JA
Mailing Address Line 1: 354 Broadway Street, Unit 19A	Mailing Address Line 1: 354 Broadway Street, Unit 2B
Mailing Address Line 2	Mailing Address Line 2
City: Eielson Air Force Base State: AK Zip Code: 99702-1899	City: Eielson Air Force Base State: AK Zip Code: 99702 Base
Stationary Source and Building Contact:	Fee Contact:
Name/Title: Jamie Martin, Air Quality Program Manager	Name/Title: Jamie Martin, Air Quality Program Manager
Mailing Address Line 1: 354 CES/CEIE	Mailing Address Line 1: 354 CES/CEIE
Mailing Address Line 2: 2310 Central Avenue, Suite 100	Mailing Address Line 2: 2310 Central Avenue, Suite 100
City: Eielson Air Force Base State: AK Zip Code: 99702	City: Eielson Air Force Base State: AK Zip Code: 99702
Phone: (907) 377-1815 Email: jamie.martin.8@us.af.mil	Phone: (907) 377-1815 Email: jamie.martin.8@us.af.mil
Permit Contact:	Person or Firm that Prepared Application: HMM Consulting, LLC
Name/Title: Jamie Martin, Air Quality Program Manager	Name/Title: HMM Consulting, LLC (Joy Jaeger and Donna Celia)
Mailing Address Line 1: 354 CES/CEIE	Mailing Address Line 1: 200 W. 34th Ave.
Mailing Address Line 2: 2310 Central Avenue, Suite 100	Mailing Address Line 2: PMB 253
City: Eielson Air Force Base State: AK Zip Code: 99702	City: Anchorage State: AK Zip Code: 99503
Phone: (907) 377-1815 Email: jamie.martin.8@us.af.mil	Phone: (907) 562-8100 Email: joy@hmmconsulting.org
10. STATEMENT OF 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.	
Name of Responsible Official (typed):	PAUL P. TOWNSEND, Colonel Title: Commander, 354th Fighter Wing
X Signature: TOWNSEND.PAUL.P.1046678199 <small>Digitally signed by TOWNSEND.PAUL.P.1046678199 Date: 2025.02.18 16:00:40 -0900'</small>	Date: 06-Feb-25

Form A1-R Application Revision

FORM A1-R
Stationary Source Supplemental Information or Application Revision

Permit Number: AQ0264TVP02, Rev. 5

Permit Contact:	Name	Jamie Martin
	Title	Air Quality Program Manager, 354 CES/CEIE
	Mailing Address Line 1	2310 Central Avenue, Ste. 100
	Mailing Address Line 2	Eielson Air Force Base, AK 99702
	Phone Number	(907) 377-1815
	Email	jamie.martin.8@us.af.mil
<p>Brief Description of Supplemental Information or Application Revision:</p> <p>We are providing revised application forms to correspond with a minor permit application to revise several terms and conditions in the permit. This application also addresses numerous changes to the emission unit inventory, including many equipment identification corrections, several equipment removals, and a few equipment additions. Other corrections or changes to the applicability of Title V terms are addressed herein.</p>		

Statement of 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.

PAUL P. TOWNSEND, Colonel USAF

Name of Responsible Official

Commander

Title

TOWNSEND.PAU
 L.P.1046678199

Signature

Digitally signed by
 TOWNSEND.PAUL.P.1046678199
 Date: 2025.02.18 15:59:36 -09'00'

06-Feb-25

Date

Form A2 Stationary Source Description and Maps

FORM A2
Stationary Source Description

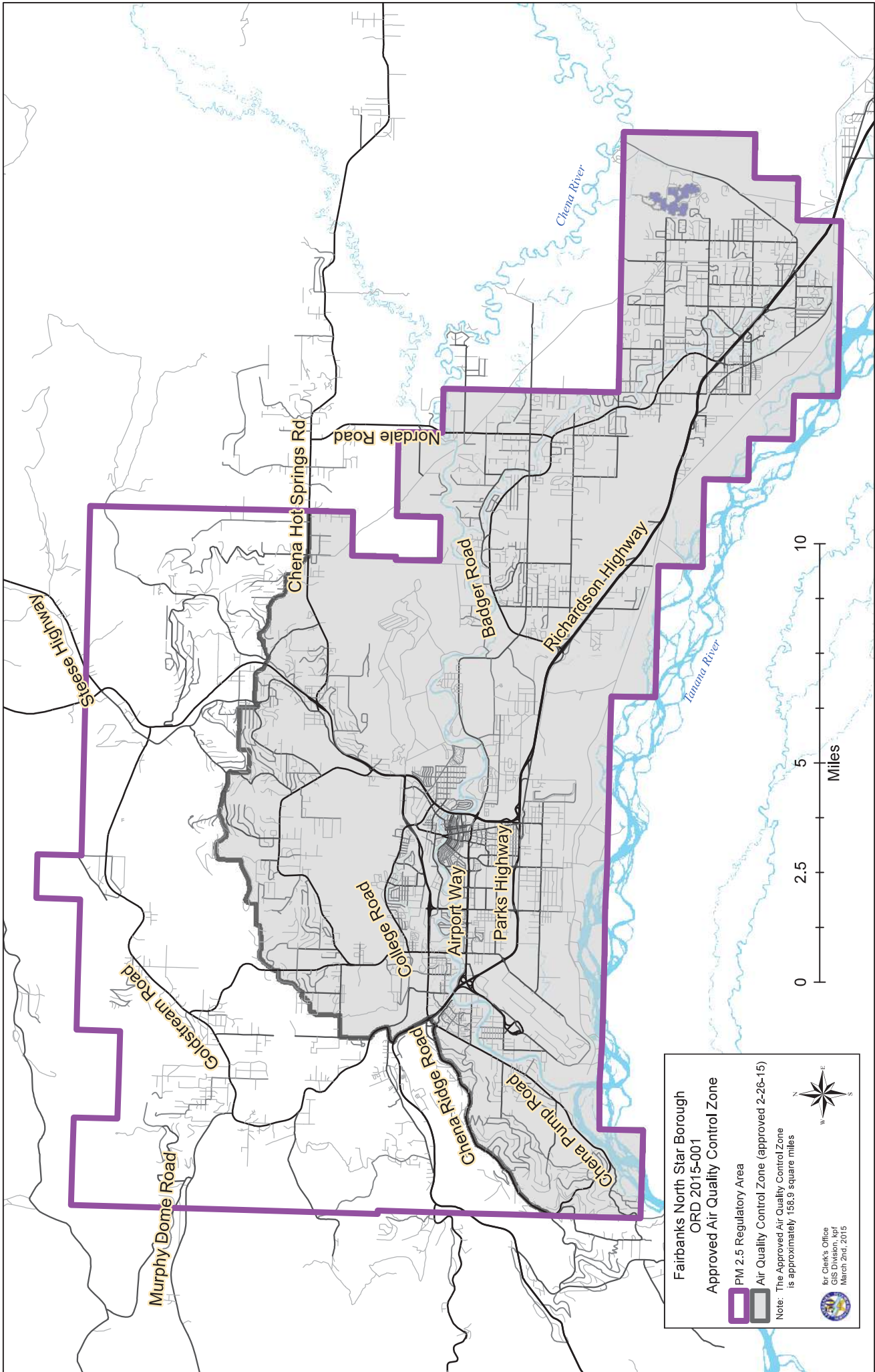
Permit Number: AQ0264TVP02, Rev. 5

1.	<p>Stationary Source Description (a thorough description of the stationary source, its processes, raw materials, operating scenarios, and other specific information that may be necessary to determine the applicability of Title V requirements.) The information may include property area or map, number of employees, maximum capacity, and other primary emission-generating activities co-located or on adjacent properties.</p> <p>Eielson Air Force Base provides forward air control for joint United States Air Force (USAF) and US Army contingencies in overall Alaska military operations, and in support of the USAF Pacific Air Forces. The 354th Fighter Wing (FW) has been the host of the military unit of the base since 1993. The 354th FW supports operations, maintenance, mission support, and medical functions of the Pacific.</p> <p>Eielson Air Force Base, like many other military installations, differs from most industrial facilities in that the base hosts and supports a wide variety of functions and activities not normally associated with an industrial site. Eielson Air Force Base consists of an operational airfield, residential housing, office buildings, gas stations, utilities, military police and fire department, public schools, chapels, hospital facilities, retail stores, recreational facilities, and more.</p>	
2.	Nonattainment area [yes/no; if yes, specify]	No - see the map of the Fairbanks PM-2.5 nonattainment area in Attachment A2-1 . Eielson AFB is also not in the CO maintenance area as shown in the map in Attachment A2-2 .
3.	Does the CAM rule [40 CFR Part 64] apply to any of the emissions units? [if yes, review the guidance provided for CAM in the Form A2 instructions for this item]	Yes, and an updated CAM Plan is being provided with this Title V Permit Renewal Application package.
4.	Does the accidental release prevention regulation [40 CFR Part 68] apply to the facility? [if yes, provide the appropriate regulatory applicability document in detail.]	Yes, per CY 2016 EPCRA Tier II Report

- 5. Attach plot plan. Plot plans are not available for Eielson AFB.
- 6. Attach regional map. See **Attachment A2-3** for regional maps.
- 7. Attach USGS map. See **Attachment A2-4** for a USGS map.

Attachment A2-1

PM-2.5 Non-Attainment Area Map



Fairbanks North Star Borough
 ORD 2015-001
 Approved Air Quality Control Zone

-  PM 2.5 Regulatory Area
-  Air Quality Control Zone (approved 2-26-15)

Note: The Approved Air Quality Control Zone is approximately 158.9 square miles

For Clerk's Office
 Fairbanks, AK
 March 26, 2016



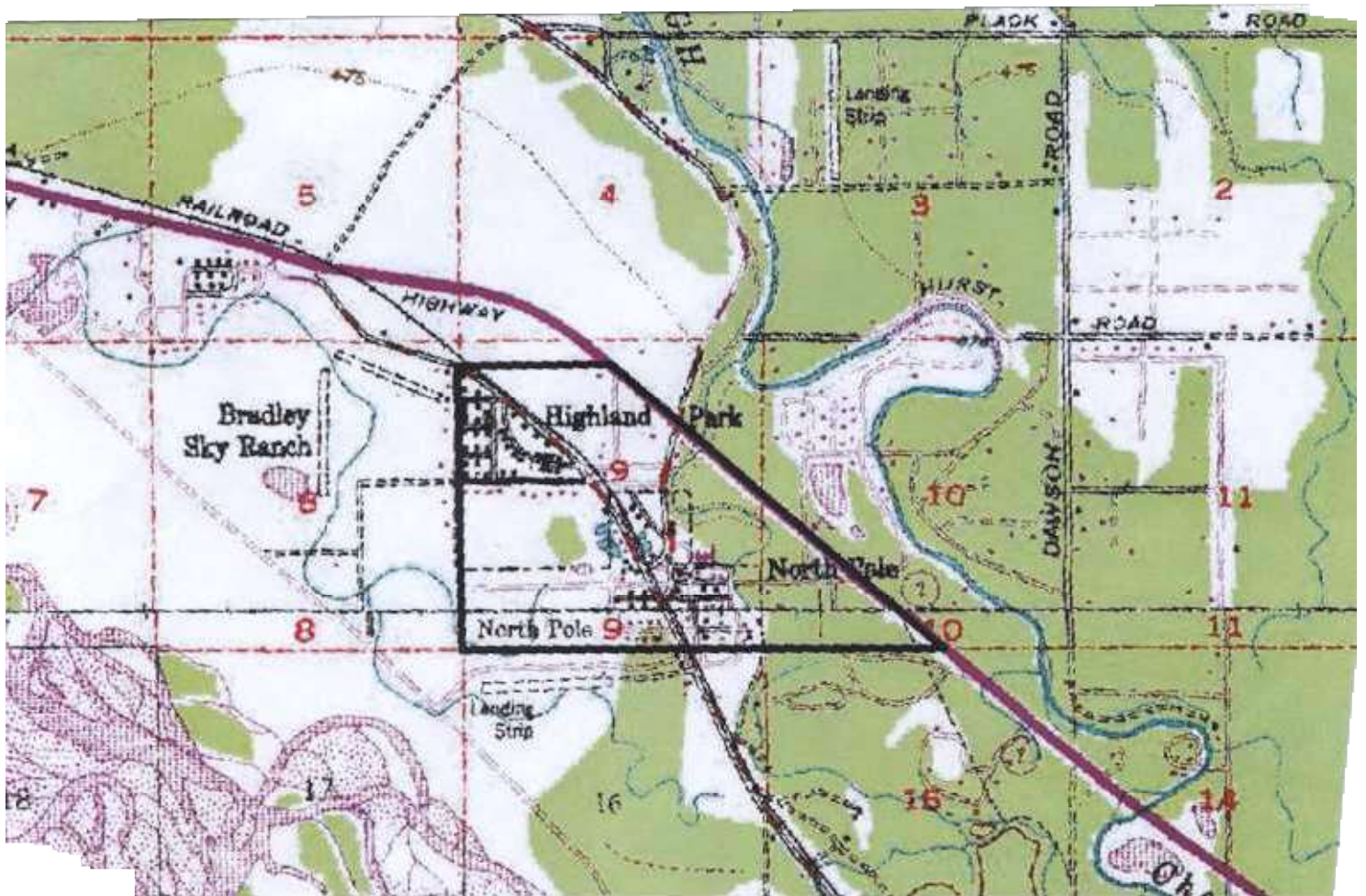


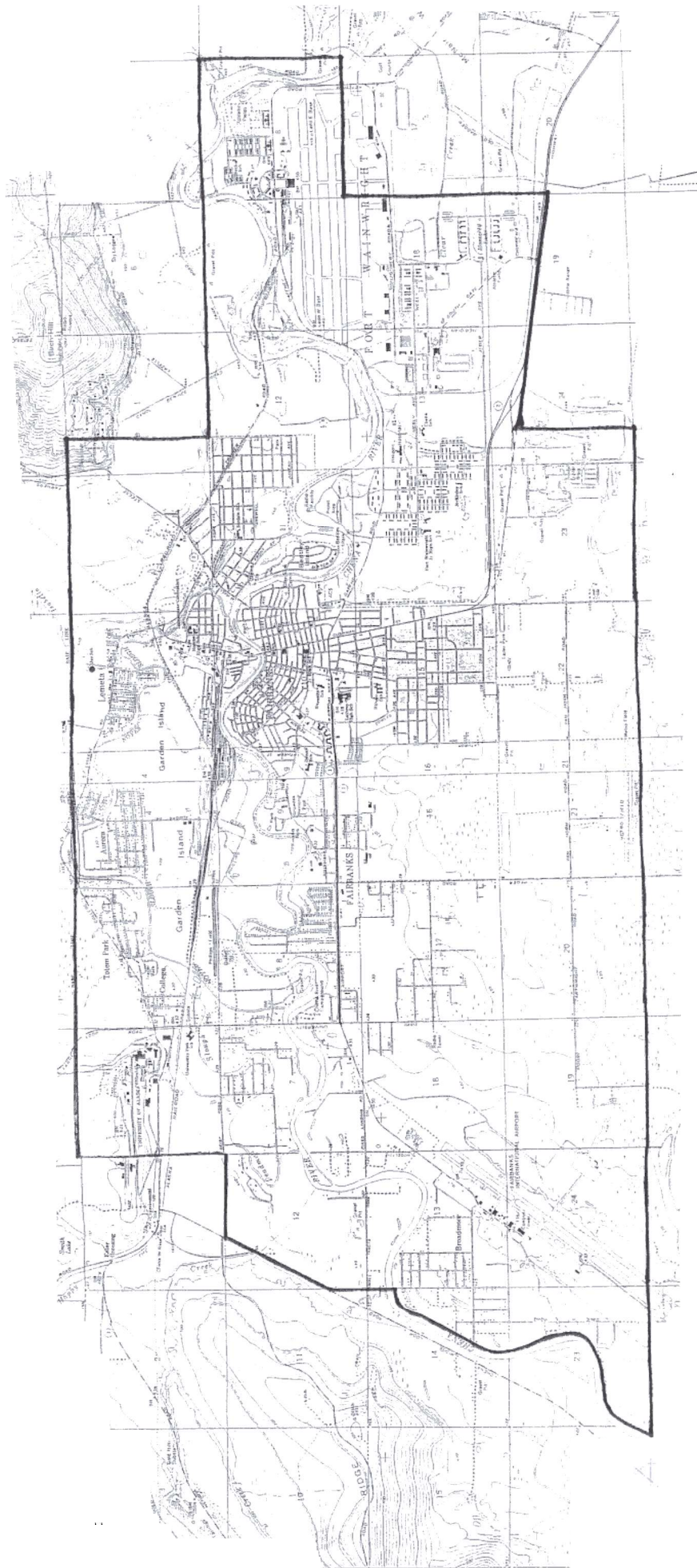
Attachment A2-2

CO Maintenance Area Map

FAIRBANKS NON-ATTAINMENT AREA BOUNDARIES

1. Township 1 South, Range 1 West, Sections 2 through 23, the portion of Section 1 west of the Fort Wainwright military reservation boundary and the portions of Section 24 north of the Old Richardson Highway and west of the military reservation boundary. Also, Township 1 South, Range 2 West, Sections 13 and 24, the portion of Section 12 southwest of Chena Pump Road and the portions of Sections 14 and 23 southeast of the Chena river. Also, Township 1 South, Range 1 East, Sections 7, 8 and 18 and the portion of Section 19 north of the Richardson Highway. (Fairbanks and Ft. Wainwright)
2. Township 2 South, Range 2 East, the portions of Sections 9 and 10 southwest of the Richardson Highway. (North Pole)





Attachment A2-3

Regional Maps

Eielson AFB

Regional Map #1

Legend



Eielson AFB

Угольные Копи
Ugolnyye Kopi

Chukchi Sea

NORT

YUKON

ALASKA

Fairbanks

Eielson AFB

Anchorage

Gulf of Alaska

Google Earth

Data SIO, NOAA, U.S. Navy, NGA, GEBCO

Image BGAO

Data LDEO-Columbia, NSF, NOAA

Image Landsat / Copernicus


600 mi



Eielson AFB

Regional Map #2

Legend

 Eielson AFB



Fox

Goldstream

Ester

Fairbanks

Chena

Badger

North Pole

Two Rivers

Moose Creek

Eielson AFB

Eielson AFB

Salcha

Google Earth

Image Landsat / Copernicus



N

Eielson AFB

Regional Map #3

Legend

 Eielson AFB

2

2

Google Earth

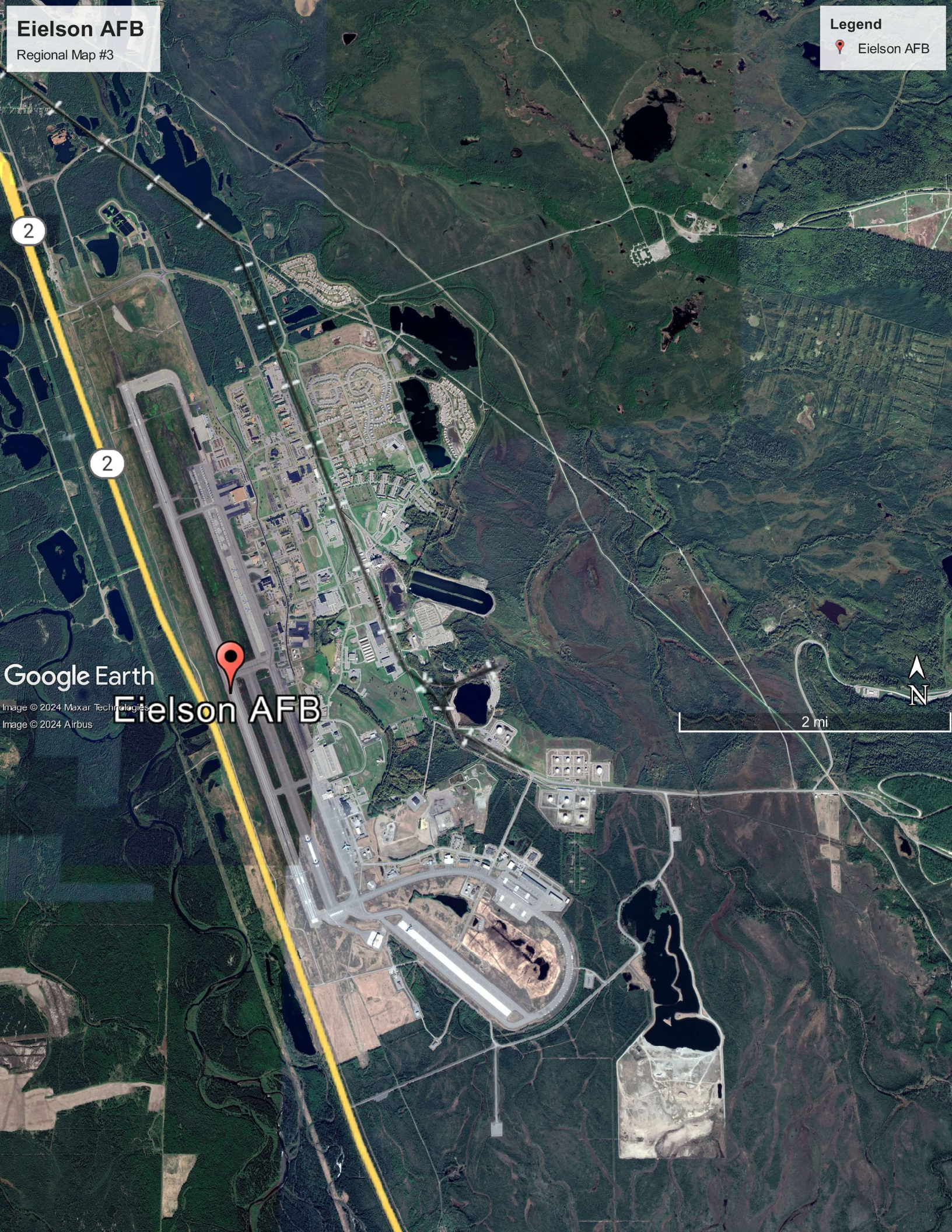
Image © 2024 Maxar Technologies

Image © 2024 Airbus

Eielson AFB



2 mi



Attachment A2-4

USGS Map

Form A3 Operating Scenario Description

Form A4 Title V Air Operating Permit Renewal Information

FORM A4
Title V Air Operating Permit Renewal Application Information

Permit Number: AQ0264TVP02,
Rev. 5

1.	Permit Contact: Name	Jamie Martin
	Title	Air Program Manager
	Mailing Address Line 1	2310 Central Avenue, Suite 100
	Mailing Address Line 2	Eielson Air Force Base, AK 99702
	Phone Number	907-377-1815
	Email	jamie.martin.8@us.af.mil
2.	Were there any changes to stationary source General Information (Form A1)? If yes, complete and submit a Form A1.	Yes. Contact information was updated in Form A1.
3.	Were there any changes to the stationary source description (Form A2)? If yes, complete and submit a Form A2.	No.
4.	Were there any off-permit changes? Reference any notifications provided to the Department, and attach copies of the notifications.	Yes. Off-permit changes from the original 2017 renewal application are provided as Attachment A4-1 to this form. Newer off-permit changes submitted after the 2017 renewal application are provided as Attachment A4-2 to this form.
	If yes, integrate changes into renewal permit? [if no, explain]	Yes.
5.	Have any Alaska Title I permits been issued to the stationary source since the most recent Title V permit or revision issuance?	Yes, Minor Permit AQ0264MSS06 (issued May 27, 2020). Eielson AFB is also submitting a new minor permit application concurrently with this addendum to the Title V renewal application.
	If yes, integrate changes into renewal permit? [If yes, please list. If no, explain]	Yes.
6.	Will there be any changes to the operating scenario(s)? [if yes, describe and attach Form A3]	No.
7.	Will there be any new, modified, or reconstructed emission units or air pollution control equipment? [if yes, attach appropriate forms from Form Series B, C, D, and E]	Yes. See Form Series B for updates to the emission unit inventory, Form Series D (Excel file) for updated emissions calculations, and Form Series E for requests to change permit conditions.
8.	Are the current emissions units correctly identified and defined in the permit? [if no, attach appropriate forms from Form Series B, C, D, and E]	No. Please see Form Series B, D and E for the materials described above.
9.	Does the CAM rule [40 CFR Part 64] apply to any of the emissions units? [if yes, review the guidance provided for CAM in the Form A4 instructions for this item]	Yes. CAM applies to the coal-fired boilers, EU IDs 1 - 4, 5A and 6A (and 1A, 2A and 4A if installed). An updated CAM plan is provided as Attachment B1-1 to the Form B1 series (the emission unit detail forms for the coal-fired boilers).
10.	Does the accidental release prevention regulation [40 CFR Part 68] apply to the facility? [if yes, provide the appropriate regulatory applicability document in detail.]	Yes, per CY2016 EPCRA Tier II Report.

FORM A4

Title V Air Operating Permit Renewal Application Information

11.	Are there any other new applicable requirements? [if yes, list the new applicable requirements, emissions units, and attach the appropriate Series E Form]	Yes. See Form E2 for minor permit condition change requests, and Form E3 for Title V permit condition change requests.
12.	Are there any requested changes in the assessable potential to emit other than those identified in item 9 above? [if yes, answer the following]	Yes. See responses below.
	Are the changes a result of having better emissions information such as a new emission factor from a recent source test? [if yes, complete and attach any applicable emissions forms from Series D. Attach additional information as necessary to fully document.]	The changes in potential to emit are due to changes to the emission unit inventory, mostly new or replacement internal combustion engines. There are also two new boilers (glycol/water process heaters) that are insignificant on an emissions rate basis. See Form B0 for changes to the emission unit inventory, and Form D (Excel file) for updated emissions calculations.
	Are the changes due to an increase in production? [if yes, complete and attach the applicable emissions form from Series D. Attach additional information as necessary to fully document.]	No.
13.	Is the stationary source in compliance with all of the conditions of the current permit? If yes, attach a compliance certification. If no, attach a compliance schedule and/or actions taken for any out-of-compliance emission units.	Yes, Eielson AFB is in compliance with all conditions of the current permit. The certification signature on this application serves as the compliance certification for these statements.
14.	Are there any requested changes to testing and/or monitoring conditions? [if yes, identify the condition, the requested change, and the reason. Attach additional information as necessary to fully document.]	Yes. Requested changes are described in Form E3.
15.	Are there any requested changes to monitoring conditions other than those being replaced by CAM? [if yes, identify the condition, the requested change, and the reason. Attach additional information as necessary to fully document.]	Yes. See Form E3.
16.	Are there any requested changes to recordkeeping conditions? [if yes, identify the condition, the requested change, and the reason. Attach additional information as necessary to fully document.]	Yes. See Form E3.
17.	Are there any requested changes to reporting conditions? [if yes, identify the condition, the requested change, and the reason. Attach additional information as necessary to fully document.]	Yes. See Form E3.

FORM A4
Title V Air Operating Permit Renewal Application Information

18.	Are there any requested changes to the non-applicable requirements (i.e. permit shield)? [if yes, identify the emission unit, the requested change, and the reason in the appropriate Series B and/or D form. If the change applies stationary source-wide, complete the appropriate Series E form. Attach additional information as necessary to fully document.]	Yes. See Form E3 and also the permit shield request in the individual emission unit forms (Form B series).
19.	Are there any other requested changes to any condition? [if yes, identify the condition, the requested change, and the reason. Attach additional information as necessary to fully document.]	Yes. See Form E2 for minor permit condition change requests, and Form E3 for Title V permit condition change requests.

Statement of 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.

PAUL P. TOWNSEND, Colonel USAF

Name of Responsible Official

Commander

Title

TOWNSEND.PAUL.P.1046678199
 .P.1046678199

Signature

Digitally signed by
 TOWNSEND.PAUL.P.1046678199
 Date: 2025.02.18 15:59:58 -09'00'

06-Feb-25

Date

Attachment A4-1

Off Permit Change Notifications with 2017 Application

A4-1.1 Replacement of Segment Coal Crusher (03 July 2013)
Off Permit Change Notification



DEPARTMENT OF THE AIR FORCE
PACIFIC AIR FORCES


3 JUL 2013

MEMORANDUM FOR ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION
ATTN: ROBIN WAGNER
610 University Ave
Fairbanks AK 99709-3643

FROM: 354 FW/CC
354 Broadway St Unit 19A
Eielson AFB AK 99702-1899

SUBJECT: Off Permit Change for Eielson Air Force Base Title V Permit AQ0264TVP02

1. This letter serves as contemporaneous notification under 18 AAC 50.040(j)(4) and 40 CFR 71.6(a)(12) for an off-permit change to Title V Permit 264TVP02. Eielson removed the existing 150 ton per hour segment crusher at the Central Heat and Power Plant (CH&PP) and is replacing it with a new 150 ton per hour segment coal crusher. The replacement was completed 25 June 2013. Capacity and processing rates will not be increased. Emissions will not increase. The replacement segment coal crusher is considered an affected source under 40 CFR 60, Subpart Y and the applicability for the coal crusher is attached (Atch 1).
2. With the exception of the tripper belt located in a separate room, the entire coal preparation plant is enclosed in a building with no emission point to the atmosphere. According to §60.255(c), if any affected coal processing and conveying equipment, coal storage systems, or coal transfer and loading systems are enclosed in a building, and emissions from the building do not exceed any of the standards in §60.254 that apply to the affected facility, then the facility shall be deemed to be in compliance with such standards. Therefore, Eielson AFB believes the initial performance test for compliance with the opacity standard required by 40 CFR 60.255(b)(2) is not required.
3. On 1 September 2010, Eielson provided ADEC with a list of coal preparation equipment at the CH&PP (Atch 2). Eielson AFB has updated the previously submitted list with a new coal preparation plant equipment list and emission calculation table (Atch 3). The replacement segment coal crusher at the CH&PP replaces the segment crusher unit shown on the list of coal preparation equipment.
4. If you have any questions regarding this matter, please contact Katherine Stringham, Air Program Manager, at (907) 377-3313.
5. 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.


MARK D. KELLY
Brigadier General, USAF
Commander

Attachments

1. Subpart Y applicability
2. 2010 coal preparation equipment list submitted to ADEC
3. Updated list of coal preparation equipment and emissions at the CH&PP

cc:
EPA, Region 10, Office of Air Quality

Coal Segment Crusher Applicability to 40 CFR 60, Subpart Y and 18 AAC 50.055

Eielson Air Force Base Title V Permit AQ0264TVP02

Source Name	Source Description	Rating/size	Bldg No	Installation Date
Segment Crusher	Heavy Duty Roll Crusher	150 ton/hour	6203	2013

The coal crusher is subject to 40 CFR 60, Subpart Y, 18 AAC 50.055(a)(5), and 18 AAC 50.055(b)(1).

Applicability to Subpart Y is as follows:

- §60.250(d) Affected facility reconstructed after 27 May 2009
- §60.251 Definitions
- §60.252(b),(c) N/A (for thermal dryers only)
- §60.253(b) N/A (for pneumatic coal cleaning only)
- §60.254(b)(1) Opacity standard – do not discharge gases exhibiting 10% opacity or greater. N/A – no discharge to the atmosphere
- §60.254(b)(2) PM standard is N/A - no discharge to the atmosphere
- §60.254(b)(3) N/A (equipment used in open storage pile operations only)
- §60.254(c) N/A (open storage piles only)
- §60.255(b)(1) N/A (PM standard not applicable per §60.254(b)(2))
- §60.255(b)(2) Conduct initial performance test for compliance with opacity standard. N/A (see §60.255(c))
- §60.255(c) If crusher is inside a building and building emissions do not exceed standards in §60.254, facility is deemed in compliance with standards; therefore, Eielson AFB believes the initial performance test for compliance with the opacity standard required by §60.255(b)(2) is not required
- §60.255(d) N/A (no control device)
- §60.255(e) N/A (only one device involved)
- §60.255(f) May elect to comply with daily observations or digital opacity monitoring under (f)(1) or (f)(2) as an alternative to §60.255(b)(2). N/A (see §60.255(c))
- §60.255(g) May elect to comply via COMS as alternative to §60.255(b)(2). N/A (see §60.255(c))
- §60.255(h) N/A (coal dump truck operation only)
- §60.256(b) N/A –no mechanical vents
- §60.256(c) N/A (bag leak detection systems only)

Eaton AFB CHPP Coal Preparation Plant Actual PM₁₀ Emissions Calculations

Description	PM ₁₀ Emission Factor		Capacity	Actual Operation	Actual PM ₁₀ Emissions
	Reference	Reference			
Grizzly car unloaders (4 ea)	0.0001 lb/ton	AP-42 Table 11.19.2-2	150 tph	2,520 hours/yr	0.1 tpy
Sandwich Belt	0.0011 lb/ton	AP-42 Table 11.19.2-2	150 tph	2,520 hours/yr	0.4 tpy
Crusher Intake Belt	0.0011 lb/ton	AP-42 Table 11.19.2-2	150 tph	2,520 hours/yr	0.4 tpy
Segment Crusher	0.0024 lb/ton	AP-42 Table 11.19.2-2	150 tph	2,520 hours/yr	0.5 tpy
Crossover Conveyor Belt	0.0011 lb/ton	AP-42 Table 11.19.2-2	150 tph	2,520 hours/yr	0.4 tpy
Bucket Elevator	0.0011 lb/ton	AP-42 Table 11.19.2-2	150 tph	2,520 hours/yr	0.4 tpy
Bucket Dump Chute	0.0011 lb/ton	AP-42 Table 11.19.2-2	150 tph	2,520 hours/yr	0.4 tpy
Crossover Conveyor Belt	0.0011 lb/ton	AP-42 Table 11.19.2-2	150 tph	2,520 hours/yr	0.4 tpy
Tripper Belt	0.0011 lb/ton	AP-42 Table 11.19.2-2	150 tph	2,520 hours/yr	0.4 tpy
Aux System Grizzly car unloaders	0.0001 lb/ton	AP-42 Table 11.19.2-2	150 tph	2,520 hours/yr	0.1 tpy
Aux System Shaker Table	0.0067 lb/ton	AP-42 Table 11.19.2-2	150 tph	2,520 hours/yr	1.6 tpy
Aux System Intake Conveyor	0.0011 lb/ton	AP-42 Table 11.19.2-2	150 tph	2,520 hours/yr	0.4 tpy
Aux System Hammer Mill	0.0024 lb/ton	AP-42 Table 11.19.2-2	150 tph	2,520 hours/yr	0.5 tpy
Aux System Elevator	0.0011 lb/ton	AP-42 Table 11.19.2-2	150 tph	2,520 hours/yr	0.4 tpy
				Actual PM ₁₀ Emissions	6.4 tpy

replaced →

Operation = 9 hrs/day in winter, 4 hrs/day in summer (summer = 90 days)

All material transfer mechanisms have two transfer points

Highlight indicates updated information

Eielson AFB CHPP Coal Preparation Plant Actual PM₁₀ Emissions Calculations

Description	PM ₁₀ Emission Factor		Capacity	Actual Operation	PM ₁₀ Emissions	Actual PM ₁₀ Emissions to Atmosphere
		Reference				
Grizzly car unloaders (4 ea)	0.0001 lb/ton	AP-42 Table 11.19.2-2	150 tph	1,467 hours/yr	0.0 tpy	0.0 tpy
Sandwich Belt	0.0011 lb/ton	AP-42 Table 11.19.2-2	150 tph	1,467 hours/yr	0.2 tpy	0.0 tpy
Crusher Intake Belt	0.0011 lb/ton	AP-42 Table 11.19.2-2	150 tph	1,467 hours/yr	0.2 tpy	0.0 tpy
Segment Crusher	0.0024 lb/ton	AP-42 Table 11.19.2-2	150 tph	1,467 hours/yr	0.3 tpy	0.0 tpy
Crossover Conveyor Belt	0.0011 lb/ton	AP-42 Table 11.19.2-2	150 tph	1,467 hours/yr	0.2 tpy	0.0 tpy
Bucket Elevator	0.0011 lb/ton	AP-42 Table 11.19.2-2	150 tph	1,467 hours/yr	0.2 tpy	0.0 tpy
Bucket Dump Chute	0.0011 lb/ton	AP-42 Table 11.19.2-2	150 tph	1,467 hours/yr	0.2 tpy	0.0 tpy
Tripper Belt	0.03 gr/cf	Manufacturer	2500 cfm	1,467 hours/yr	2.8 tpy	2.8 tpy
Aux System Intake Conveyor	0.0011 lb/ton	AP-42 Table 11.19.2-2	150 tph	1,467 hours/yr	0.2 tpy	0.0 tpy
Aux System Hammer Mill	0.0024 lb/ton	AP-42 Table 11.19.2-2	150 tph	1,467 hours/yr	0.3 tpy	0.0 tpy
Aux System Elevator	0.0011 lb/ton	AP-42 Table 11.19.2-2	150 tph	1,467 hours/yr	0.2 tpy	0.0 tpy
Actual PM ₁₀ Emissions					5.1 tpy	2.8 tpy

Notes:

Potential operating hours based on:
 Maximum capacity of the coal handling system = 150 tons per hour
 Allowable annual coal consumption = 220,000 tons per year
 Operational hours calculation: (220,000 tons/yr) / (150 tons/hr) = 1467 hours per year

The coal preparation plant is completely enclosed inside a building with no emission point to the atmosphere; therefore, the actual emissions from all equipment is zero (except for the tripper belt which is in a separate room).