

DEPARTMENT OF ENVIRONMENTAL CONSERVATION
AIR QUALITY OPERATING PERMIT

Permit No. AQ1081TVP04

Issue Date: PUBLIC COMMENT - July 3, 2024

Expiration Date: FIVE YEARS

The Alaska Department of Environmental Conservation, under the authority of AS 46.14 and 18 AAC 50, issues an operating permit to the Permittee, **Insulfoam, a division of Carlisle Construction Materials, LLC**, for the operation of the **Insulfoam Facility**.

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

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

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

Upon effective date of this permit, Operating Permit No. AQ1081TVP03 expires.

This operating permit becomes effective <insert date—30 days after issue date>.

James R. Plosay, Manager
Air Permits Program

Table of Contents

	Abbreviations and Acronyms	iii
Section 1.	Stationary Source Information.....	1
	Identification	1
Section 2.	Emissions Unit Inventory and Description	2
Section 3.	State Requirements	3
	Visible Emissions Standard	3
	Particulate Matter (PM) Emissions Standard.....	3
	Sulfur Compound Emissions Standard	3
	Sulfur Compound MR&R.....	3
	Preconstruction Permit Requirements.....	4
	Emissions Units Located or Operating Within the Regional Haze Visibility Protection Area	6
Section 4.	Federal Requirements	7
	40 CFR Part 61 National Emission Standards for Hazardous Air Pollutants	7
	Subparts A & M.....	7
	40 CFR Part 82 Protection of Stratospheric Ozone	7
	Subparts F, G, & H	7
	NESHAP Applicability Determination Requirements.....	7
Section 5.	General Conditions	9
	Standard Terms and Conditions.....	9
	Open Burning Requirements.....	12
Section 6.	General Source Testing and Monitoring Requirements.....	14
Section 7.	General Recordkeeping and Reporting Requirements.....	17
	Recordkeeping Requirements	17
	Reporting Requirements	17
Section 8.	Permit Changes and Renewal	23
Section 9.	Compliance Requirements.....	25
	General Compliance Requirements	25
Section 10.	ADEC Notification Form.....	27

Abbreviations and Acronyms

AAC.....	Alaska Administrative Code	NAICS.....	North American Industrial Classification System
ADEC	Alaska Department of Environmental Conservation	NESHAP	National Emission Standards for Hazardous Air Pollutants [as contained in 40 CFR 61 and 63]
AS.....	Alaska Statutes	NH ₃	ammonia
ASTM.....	American Society for Testing and Materials	NO _x	nitrogen oxides
BACT	best available control technology	NSPS	New Source Performance Standards [as contained in 40 CFR 60]
CAA or The Act .	Clean Air Act	O ₂	oxygen
CDX.....	Central Data Exchange	Pb	lead
CEDRI.....	Compliance and Emissions Data Reporting Interface	PM _{2.5}	particulate matter less than or equal to a nominal 2.5 microns in diameter
CFR	Code of Federal Regulations	PM ₁₀	particulate matter less than or equal to a nominal 10 microns in diameter
CO	carbon monoxide	ppm	parts per million
dscf.....	dry standard cubic foot	ppmv, ppmvd	parts per million by volume on a dry basis
EPA	US Environmental Protection Agency	psia	pounds per square inch (absolute)
EU.....	emissions unit	PSD	prevention of significant deterioration
ft ³	cubic feet	PTE	potential to emit
gr/dscf.....	grain per dry standard cubic foot (1 pound = 7000 grains)	SIC.	Standard Industrial Classification
HAPs	hazardous air pollutants [as defined in AS 46.14.990]	SIP	State Implementation Plan
ID.....	emissions unit identification number	SO ₂	sulfur dioxide
LAER.....	lowest achievable emission rate	tpy	tons per year
MACT	maximum achievable control technology [as defined in 40 CFR 63]	VOC	volatile organic compound [as defined in 40 CFR 51.100(s)]
MMBtu/hr.....	million British thermal units per hour	vol%	volume percent
MMscf.....	million standard cubic feet	wt%	weight percent
MR&R.....	monitoring, recordkeeping, and reporting		

Section 1. Stationary Source Information

Identification

Permittee:	Insulfoam, a division of Carlisle Construction Materials, LLC 19727 57 th Ave E Puyallup, WA 98375	
Stationary Source Name:	Insulfoam Facility	
Location:	61° 13' 34.003" North; 149° 53' 28.651" West	
Physical Address:	628 Western Drive Anchorage, AK 99501	
Owner:	Carlisle Construction Materials, LLC 1285 Ritner Highway Carlisle, PA 17013	
Operator:	Insulfoam 628 Western Drive Anchorage, AK 99501	
Permittee's Responsible Official:	Daryl Sobek, RSD/General Manager 628 Western Drive Anchorage, AK 99501	
Stationary Source and Building Contact:	Daryl Sobek, RSD/General Manager 628 Western Drive Anchorage, AK 99501 (907) 279-9407 daryl.sobek@insulfoam.com	
Fee Contact:	Helena Riske, Office Manager 628 Western Drive Anchorage, AK 99501 (907) 279-9407 helena.riske@insulfoam.com	
Permit Contact:	Justin Ivy, Environmental Manager PO Box 7000 Carlisle, PA 17013 (949) 473-8769 justin.ivy@carlisleccm.com	
Process Description:	SIC Code	3086 - Plastics Foam Products
	NAICS Code:	326140 - Polystyrene Foam Product Manufacturing

[18 AAC 50.040(j)(3) & 50.326(a)]
 [40 CFR 71.5(c)(1) & (2)]

Section 2. Emissions Unit Inventory and Description

Emissions units listed in Table A have specific monitoring, recordkeeping, or reporting conditions in this permit. Except as noted elsewhere in the permit, emissions unit descriptions and ratings are given for identification purposes only.

Table A - Emissions Unit Inventory

EU ID	Emissions Unit Name	Emissions Unit Description	Rating/Size	Installation or Construction Date
1	Boiler	Cleaver Brooks	6.1 MMBtu/hr	1994
2A	Boiler	Superior	8.1 MMBtu/hr	2008
3A	Block Mold	Idro	3,800 lb/hr	2008
4B	Shape Press	Promass PN1628	540 lb/hr	2021
6A	Shape Press	Hirsch 1450	300 lb/hr	2008
7A	Batch Pre-Expander	Idro PJX3000D	3,000 lb/hr	2013
9	Aging Bags	Bead Aging Bags (14 each)	43,500 ft ³	1985
10	Fugitive Storage Emissions	Warehouse Product Storage	1,000,000 lb	

[18 AAC 50.326(a)]
[40 CFR 71.5(c)(3)]

Section 3. State Requirements

Visible Emissions Standard

1. **Industrial Process and Fuel-Burning Equipment Visible Emissions.** The Permittee shall not cause or allow visible emissions, excluding condensed water vapor, emitted from EU IDs 1 and 2A listed in Table A to reduce visibility through the exhaust effluent by more than 20 percent averaged over any six consecutive minutes.

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

- 1.1. For EU IDs 1 and 2A, burn only gas as fuel. In each operating report under Condition 44 indicate whether each of these emissions units burned only gas during the period covered by the report. Report under Condition 43 if any fuel other than gas is burned in any of these emissions units.

[18 AAC 50.040(j)(4), 50.326(j)(3), & 50.346(c)]
[40 CFR 71.6(a)(3)]

Particulate Matter (PM) Emissions Standard

2. **Industrial Process and Fuel-Burning Equipment PM Emissions.** The Permittee shall not cause or allow particulate matter emitted from EU IDs 1 and 2A listed in Table A to exceed 0.05 grains per cubic foot of exhaust gas corrected to standard conditions and averaged over three hours.

[18 AAC 50.040(j)(4), 50.055(b)(1), 50.326(j)(3), & 50.346(c)]
[40 CFR 71.6(a)(1)]

- 2.1. For EU IDs 1 and 2A, the Permittee shall comply with Condition 1.1.

[18 AAC 50.040(j)(4), 50.326(j)(3), & 50.346(c)]
[40 CFR 71.6(a)(3)]

Sulfur Compound Emissions Standard

3. **Sulfur Compound Emissions.** The Permittee shall not cause or allow sulfur compound emissions, expressed as SO₂, from EU IDs 1 and 2A to exceed 500 ppm averaged over three hours.

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

Sulfur Compound MR&R

Fuel Gas (EU IDs 1 and 2A)

4. **Sulfur Compound Monitoring.** The Permittee shall either
 - 4.1. obtain a semiannual statement from the fuel supplier of the fuel total sulfur level in ppm; or
 - 4.2. analyze a representative sample of the fuel semiannually to determine the sulfur content using either ASTM D4084, D5504, D4810, D4913, D6228 or GPA Standard 2377, or other listed method approved in 18 AAC 50.035(b)-(c) or 40 CFR 60.17 incorporated by reference in 18 AAC 50.040(a)(1).

5. Sulfur Compound Recordkeeping. The Permittee shall keep records of the statement from the fuel supplier or the sulfur content analysis required under Condition 4.1 or 4.2.

6. Sulfur Compound Reporting. The Permittee shall report as follows:

6.1. Report as excess emissions, in accordance with Condition 43, whenever the fuel combusted causes sulfur compound emissions to exceed the standard of Condition 3.

6.2. Include copies of the records required by Condition 5 with the operating report required by Condition 44 for the period covered by the report.

[18 AAC 50.040(j), 50.326(j), & 50.346(c)]

[40 CFR 71.6(a)(3) & (c)(6)]

Preconstruction Permit¹ Requirements

7. PSD Avoidance Limits. The Permittee shall limit VOC emissions from all emissions units listed in Table A to no greater than 245 tons per 12 consecutive months.

[Condition 4, Minor Permit AQ1081MSS01, Rev 1, 3/26/2009]

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

[40 CFR 71.6(a)(1)]

7.1. Keep the following daily records of EPS beads used:

[Condition 4.1, Minor Permit AQ1081MSS01, Rev 1, 3/26/2009]

[40 CFR 71.6(a)(3)(ii)]

- a. Amounts used;
- b. Bead manufacturer and lot number;
- c. Pentane content; specify whether this is the actual content reported in the Certificate of Analysis (COA) for the lot or is the upper specification level (worst case) pentane content for the product type.

[Conditions 4.1a through 4.1c, Minor Permit AQ1081MSS01, Rev 1, 3/26/2009]

7.2. Keep monthly records of total monthly bead usage by manufacturer, type, and pentane content, compiled from daily bead usage records.

[Condition 4.2, Minor Permit AQ1081MSS01, Rev 1, 3/26/2009]

[40 CFR 71.6(a)(3)(ii)]

7.3. Keep separate records under Conditions 7.1 and 7.2 for EPS used for

[Condition 4.3, Minor Permit AQ1081MSS01, Rev 1, 3/26/2009]

[40 CFR 71.6(a)(3)(ii)]

- a. block molding; and
- b. shape molding.

[Conditions 4.3a & 4.3b, Minor Permit AQ1081MSS01, Rev 1, 3/26/2009]

¹ *Preconstruction Permit* refers to federal PSD permits, state-issued permits-to-operate issued on or before January 17, 1997 (these permits cover both construction and operations), construction permits issued on or after January 18, 1997, and minor permits issued on or after October 1, 2004.

- 7.4. Before the end of each calendar month keep records of VOC emissions for the previous month, and for the most recent 12 consecutive months. For this Condition 7.4 calculate VOC emissions as the sum of VOC emissions associated with the block molding process, emissions associated with the shape molding process, and combustion emissions.

Use Equation 1 for calculating block and shape molding emissions from each bead lot. For each process, calculate the monthly emissions as the sum of the emissions from each lot used during the month.

Equation 1:

$$Q = \text{Loss Rate} \times \text{Initial Pentane Content} \times \text{EPS} / 2000$$

Where

Q = tons of VOC emissions from an EPS bead lot used during the month,

Loss Rate = the appropriate pentane loss rate from Condition 7.4.a or 7.4.b,

Initial Pentane Content = the pentane content for the lot from
Condition 7.1.c, and

EPS = the quantity in pounds of EPS bead used from that lot.

[Condition 4.4, Minor Permit AQ1081MSS01, Rev 1, 3/26/2009]
[40 CFR 71.6(a)(3)(i) & (ii)]

- a. Calculate emissions associated with block molding using the following pentane loss rates:

[Condition 4.4a, Minor Permit AQ1081MSS01, Rev 1, 3/26/2009]

(i) For high pentane bead (> 5.2 weight percent pentane) - 0.71;

(ii) For mid pentane bead (3.7 - 5.2 weight percent pentane) - 0.74;

(iii) For low pentane bead (< 3.7 weight percent pentane) - 0.67;

[Conditions 4.4a(i) through 4.4a(iii), Minor Permit AQ1081MSS01, Rev 1, 3/26/2009]

- b. Calculate emissions associated with shape molding using the following pentane loss rates:

[Condition 4.4b, Minor Permit AQ1081MSS01, Rev 1, 3/26/2009]

(i) For high pentane bead (> 5.2 weight percent pentane) - 0.98;

(ii) For mid pentane bead (3.7 - 5.2 weight percent pentane) - 0.94;

(iii) For low pentane bead (< 3.7 weight percent pentane) - 0.97;

[Conditions 4.4b(i) through 4.4b(iii), Minor Permit AQ1081MSS01, Rev 1, 3/26/2009]

- c. Calculate VOC emissions from the boilers, EU IDs 1 and 2A, based on

[Condition 4.4c, Minor Permit AQ1081MSS01, Rev 1, 3/26/2009]

(i) The appropriate emission factor from AP-42, and

[Condition 4.4c(i), Minor Permit AQ1081MSS01, Rev 1, 3/26/2009]

- (A) the quantity of natural gas used during the month, or
- (B) the hours of operation and rated capacity of each boiler, or

[Conditions 4.4c(i)(A) & (B), Minor Permit AQ1081MSS01, Rev 1, 3/26/2009]

- (ii) the annual potential to emit of 0.3 tons of VOC from the boilers.

[Condition 4.4c(ii), Minor Permit AQ1081MSS01, Rev 1, 3/26/2009]

- 7.5. The Permittee may calculate emissions for a given month using either the COAs or upper specification levels, but must use the same method for that month for each 12 month period that includes that month when reporting emissions under Condition 7.7. Specify the method for each month reported.
- 7.6. If the 12 month total in Condition 7.4 exceeds 245 tons, report as excess emissions in accordance with Condition 43.
- 7.7. Include the records and calculations required under Condition 7.4 in the operating report required in Condition 44.

[Conditions 4.5 through 4.7, Minor Permit AQ1081MSS01, Rev 1, 3/26/2009]
[40 CFR 71.6(a)(3)(i) through (iii)]

Emissions Units Located or Operating Within the Regional Haze Visibility Protection Area

- 8. For each significant emissions unit installed after the date this permit is issued, include a best estimate of the projected equipment life of the significant emissions unit if known in the first operating report required in Condition 44 after the emissions unit is installed.

[18 AAC 50.265(4)(B)]

Section 4. Federal Requirements

40 CFR Part 61 National Emission Standards for Hazardous Air Pollutants

Subparts A & M

9. Comply with the applicable requirements set forth in 40 CFR 61.145, 61.146, 61.148, 61.150, and 61.152 of Subpart M, and the applicable sections set forth in 40 CFR 61, Subpart A and Appendix A.

[18 AAC 50.040(b)(1), 50.040(b)(2)(F), & 50.326(j)]
[40 CFR 61 Subparts A & M, & Appendix A]

40 CFR Part 82 Protection of Stratospheric Ozone

Subparts F, G, & H

10. **Subpart F – Recycling and Emissions Reduction.** Comply with the applicable standards for recycling and emission reduction of refrigerants in 40 CFR 82 Subpart F.

[18 AAC 50.040(d) & 50.326(j)]
[40 CFR 82, Subpart F]

11. **Subpart G – Significant New Alternatives.** Comply with the applicable prohibitions in 40 CFR 82.174.

[18 AAC 50.040(d) & 50.326(j)]
[40 CFR 82.174(b) through (d), Subpart G]

12. **Subpart H – Halon Emissions Reduction.** Comply with the applicable prohibitions in 40 CFR 82.270.

[18 AAC 50.040(d) & 50.326(j)]
[40 CFR 82.270(b) through (f), Subpart H]

NESHAP Applicability Determination Requirements

13. Determine rule applicability and designation of affected sources under National Emission Standards for Hazardous Air Pollutants (NESHAPs) for Source Categories (40 CFR 63) in accordance with the procedures in 40 CFR 63.1(b).

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

- 13.1. An owner or operator of a stationary source who is in the relevant source category and who determines that the source is not subject to a relevant standard or other requirement established under 40 CFR 63 must keep a record as specified in 40 CFR 63.10(b)(3).

[40 CFR 71.6(a)(3)(ii)]
[40 CFR 63.1(b)(3), Subpart A]

14. If an existing source becomes affected by an applicable subpart of 40 CFR 63, the Permittee shall comply with such standard by the compliance date established by the Administrator in the applicable subpart, in accordance with 40 CFR 63.6(c).

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

15. After the effective date of any relevant standard promulgated by the Administrator under 40 CFR 63, an owner or operator who constructs a new affected source that is not major-

emitting or reconstructs an affected source that is not major-emitting that is subject to such standard, or reconstructs a source such that the source becomes an affected source subject to the standard, must notify the Administrator and the Department of the intended construction or reconstruction. The notification must be submitted in accordance with the procedures in 40 CFR 63.9(b).

[18 AAC 50.040(c)(1), 50.040(j), & 50.326(j)]
[40 CFR 71.6(a)(3)(iii)]
[40 CFR 63.5(b)(4), Subpart A]

Section 5. General Conditions

Standard Terms and Conditions

16. Each permit term and condition is independent of the permit as a whole and remains valid regardless of a challenge to any other part of the permit.
[18 AAC 50.326(j)(3), 50.345(a) & (e)]
17. The permit may be modified, reopened, revoked and reissued, or terminated for cause. A request by the Permittee for modification, revocation and re-issuance, or termination or a notification of planned changes or anticipated noncompliance does not stay any permit condition.
[18 AAC 50.326(j)(3), 50.345(a) & (f)]
18. The permit does not convey any property rights of any sort, nor any exclusive privilege.
[18 AAC 50.326(j)(3), 50.345(a) & (g)]
19. **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 403.
[18 AAC 50.326(j)(1), 50.400, & 50.403]
[AS 37.10.052(b) & AS 46.14.240]
20. **Assessable Emissions.** For each period from July 1 through the following June 30, the Permittee shall pay to the Department an annual emission fee based on the stationary source's assessable emissions, as determined by the Department under 18 AAC 50.410. The Department will assess fees per ton of each air pollutant that the stationary source emits or has the potential to emit. The quantity for which fees will be assessed is the lesser of the stationary source's
- 20.1. potential to emit of 257.01 tpy; or
- 20.2. projected annual rate of emissions, in tpy, based upon actual annual emissions for the most recent calendar year, or another 12-month period approved in writing by the Department, when demonstrated by credible evidence of actual emissions, based upon the most representative information available from one or more of the following methods:
- a. an enforceable test method described in 18 AAC 50.220;
- b. material balance calculations;
- c. emission factors from EPA's publication AP-42, Vol. I, adopted by reference in 18 AAC 50.035; or
- d. other methods and calculations approved by the Department, including appropriate vendor-provided emissions factors when sufficient documentation is provided.
[18 AAC 50.040(j)(4), 50.035, 50.326(j)(1) & (3), 50.346(b)(1), 50.410, & 50.420]
21. **Assessable Emission Estimates.** The Permittee shall comply as follows:

- 21.1. No later than March 31st of each year, the Permittee may submit an estimate of the stationary source's assessable emissions as determined in Condition 20.2. Submit actual emissions estimates in accordance with the submission instructions on the Department's Standard Permit Conditions web page at <http://dec.alaska.gov/air/air-permit/standard-conditions/standard-condition-i-submission-instructions/>.
- 21.2. The Permittee shall include with the assessable emissions report all of the assumptions and calculations used to estimate the assessable emissions in sufficient detail so the Department can verify the estimates.
- 21.3. If the stationary source has not commenced construction or operation on or before March 31st, the Permittee may submit to the Department's Anchorage office a waiver letter certified under 18 AAC 50.205 that states the stationary source's actual annual emissions for the previous calendar year are zero tpy and provides estimates for when construction or operation will commence.
- 21.4. If no estimate or waiver letter is submitted on or before March 31st of each year, emission fees for the next fiscal year will be based on the potential to emit in Condition 20.1.

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

22. Good Air Pollution Control Practice (GAPCP). The Permittee shall do the following for the emissions units in Table A:

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

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

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

[18 AAC 50.045(a)]

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

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

- 24.1. The Permittee shall keep records of:
 - a. complaints received by the Permittee and complaints received by the Department and conveyed to the Permittee; and

- b. any additional precautions that are taken
 - (i) to address complaints described in Condition 24.1.a or to address the results of Department inspections that found potential problems; and
 - (ii) to prevent future dust problems.

24.2. The Permittee shall report according to Condition 26.3.

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

[18 AAC 50.055(g)]

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

[18 AAC 50.040(j)(4), 50.110, 50.326(j)(3) & 50.346(a)]
[40 CFR 71.6(a)(3)]

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

- a. As soon as practicable after becoming aware of a complaint that is attributable to emissions from the stationary source, the Permittee shall investigate the complaint to identify emissions that the Permittee believes have caused or are causing a violation of Condition 26.
- b. The Permittee shall initiate and complete corrective action necessary to eliminate any violation identified by a complaint or investigation as soon as practicable if
 - (i) after an investigation because of a complaint or other reason, the Permittee believes that emissions from the stationary source have caused or are causing a violation of Condition 26; or
 - (ii) the Department notifies the Permittee that it has found a violation of Condition 26.

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

- a. the date, time, and nature of all emissions complaints received;
- b. the name of the person or persons that complained, if known;
- c. a summary of any investigation, including reasons the Permittee does or does not believe the emissions have caused a violation of Condition 26; and
- d. any corrective actions taken or planned for complaints attributable to emissions from the stationary source.

- 26.3. **Reporting.** The Permittee shall report as follows:
- a. With each operating report under Condition 44, the Permittee shall include a brief summary report which must include the following for the period covered by the report:
 - (i) the number of complaints received;
 - (ii) the number of times the Permittee or the Department found corrective action necessary;
 - (iii) the number of times action was taken on a complaint within 24 hours; and
 - (iv) the status of corrective actions the Permittee or Department found necessary that were not taken within 24 hours.
 - b. The Permittee shall notify the Department of a complaint that is attributable to emissions from the stationary source within 24 hours after receiving the complaint, unless the Permittee has initiated corrective action within 24 hours of receiving the complaint.
 - c. If emissions present a potential threat to human health or safety, the Permittee shall report any such emissions according to Condition 43.

27. **Technology-Based Emission Standard.** If an unavoidable emergency, malfunction (as defined in 18 AAC 50.235(d)), or non-routine repair (as defined in 18 AAC 50.990(64)), causes emissions in excess of a technology-based emission standard² listed in Condition 10 (refrigerants),

- 27.1. take all reasonable steps to minimize levels of emissions that exceed the standard, and
- 27.2. report in accordance with Condition 43; the report must include information on the steps taken to mitigate emissions and corrective measures taken or to be taken.

[18 AAC 50.235(a), 50.326(j)(4), & 50.040(j)(4)]
[40 CFR 71.6(c)(6)]

Open Burning Requirements

28. **Open Burning.** If open burning is conducted at this stationary source, comply with the requirements of 18 AAC 50.065.

- 28.1. Keep written records to demonstrate compliance with the limitations in this condition and the requirements of 18 AAC 50.065. Submit copies of the records to the Department upon request.

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

28.2. Include this condition in the annual certification required under Condition 45.

[18 AAC 50.065, 50.040(j), & 50.326(j)]
[40 CFR 71.6(a)(3)]

Section 6. General Source Testing and Monitoring Requirements

- 29. Requested Source Tests.** In addition to any source testing explicitly required by the permit, the Permittee shall conduct source testing as requested by the Department to determine compliance with applicable permit requirements.
[18 AAC 50.220(a) & 50.345(a) & (k)]
- 30. Operating Conditions.** Unless otherwise specified by an applicable requirement or test method, conduct source testing
[18 AAC 50.220(b)]
- 30.1. at a point or points that characterize the actual discharge into the ambient air; and
- 30.2. at the maximum rated burning or operating capacity of the emissions unit or another rate determined by the Department to characterize the actual discharge into the ambient air.
- 31. Reference Test Methods.** Use the following test methods when conducting source testing for compliance with this permit:
- 31.1. Source testing for compliance with requirements adopted by reference in 18 AAC 50.040(a) must be conducted in accordance with the methods and procedures specified in 40 CFR 60.
[18 AAC 50.220(c)(1)(A) & 50.040(a)]
[40 CFR 60]
- 31.2. Source testing for compliance with requirements adopted by reference in 18 AAC 50.040(b) must be conducted in accordance with the methods and procedures specified in 40 CFR 61.
[18 AAC 50.040(b) & 50.220(c)(1)(B)]
[40 CFR 61]
- 31.3. Source testing for compliance with requirements adopted by reference in 18 AAC 50.040(c) must be conducted in accordance with the source test methods and procedures specified in 40 CFR 63.
[18 AAC 50.040(c) & 50.220(c)(1)(C)]
[40 CFR 63]
- 31.4. Source testing for the reduction in visibility through the exhaust effluent must be conducted in accordance with the procedures set out in Reference Method 9.
[18 AAC 50.030 & 50.220(c)(1)(D)]
- 31.5. Source testing for emissions of total particulate matter, sulfur compounds, nitrogen compounds, carbon monoxide, lead, volatile organic compounds, fluorides, sulfuric acid mist, municipal waste combustor organics, metals, and acid gases must be conducted in accordance with the methods and procedures specified in 40 CFR 60, Appendix A.
[18 AAC 50.040(a)(3) & 50.220(c)(1)(E)]
[40 CFR 60, Appendix A]

- 31.6. Source testing for emissions of PM_{2.5} and PM₁₀ must be conducted in accordance with the procedures specified in 40 CFR 51, Appendix M, Methods 201 or 201A and 202.
- [18 AAC 50.035(b)(2) & 50.220(c)(1)(F)]
[40 CFR 51, Appendix M]
- 31.7. Source testing for emissions of any pollutant may be determined using an alternative method approved by the Department in accordance with 40 CFR 63 Appendix A, Method 301.
- [18 AAC 50.040(c)(32) & 50.220(c)(2)]
[40 CFR 63, Appendix A, Method 301]
- 32. Excess Air Requirements.** To determine compliance with this permit, standard exhaust gas volumes must include only the volume of gases formed from the theoretical combustion of the fuel, plus the excess air volume normal for the specific emissions unit type, corrected to standard conditions (dry gas at 68° F and an absolute pressure of 760 millimeters of mercury).
- [18 AAC 50.220(c)(3) & 50.990(102)]
- 33. Test Exemption.** Compliance with Conditions 35, 36 and 37 is not required for Method 9 or Smoke/No Smoke observations.
- [18 AAC 50.345(a)]
- 34. Test Deadline Extension.** The Permittee may request an extension to a source test deadline established by the Department. The Permittee may delay a source test beyond the original deadline only if the extension is approved in writing by the Department's appropriate division director or designee.
- [18 AAC 50.345(a) & (l)]
- 35. Test Plans.** Except as provided in Condition 33, before conducting any source tests, the Permittee shall submit a plan to the Department. The plan must include the methods and procedures to be used for sampling, testing, and quality assurance and must specify how the emissions unit will operate during the test and how the Permittee will document that operation. The Permittee shall submit a complete plan within 60 days after receiving a request under Condition 29 and at least 30 days before the scheduled date of any test unless the Department agrees in writing to some other time period. Retesting may be done without resubmitting the plan.
- [18 AAC 50.345(a) & (m)]
- 36. Test Notification.** Except as provided in Condition 33, at least 10 days before conducting a source test, the Permittee shall give the Department written notice of the date and the time the source test will begin.
- [18 AAC 50.345(a) & (n)]
- 37. Test Reports.** Except as provided in Condition 33, within 60 days after completing a source test, the Permittee shall submit one certified copy of the results in the format set out in the *Source Test Report Outline*, adopted by reference in 18 AAC 50.030. The Permittee shall certify the results in the manner set out in Condition 40. If requested in writing by

the Department, the Permittee must provide preliminary results in a shorter period of time specified by the Department.

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

- 38. Particulate Matter Calculations.** In source testing for compliance with the particulate matter standards in Condition 2, the three-hour average is determined using the average of three one-hour test runs.

[18 AAC 50.220(f)]

Section 7. General Recordkeeping and Reporting Requirements

Recordkeeping Requirements

39. Keep all records required by this permit for at least five years after the date of collection, including:
- 39.1. Copies of all reports and certifications submitted pursuant to this section of the permit; and
 - 39.2. Records of all monitoring required by this permit, and information about the monitoring including:
 - a. calibration and maintenance records, original strip chart or computer-based recordings for continuous monitoring instrumentation;
 - b. the date, place, and time of sampling or measurements;
 - c. the date(s) analyses were performed;
 - d. the company or entity that performed the sampling and analyses;
 - e. the analytical techniques or methods used in the analyses;
 - f. the results of such analyses; and,
 - g. the operating conditions that existed at the time of sampling or measurement.

[18 AAC 50.040(a)(1), 50.040(j)(4), & 50.326(j)]
[40 CFR 71.6(a)(3)(ii)(B)]

Reporting Requirements

40. **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.

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

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

41. 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.

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

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

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

[18 AAC 50.345(a) & (i), 50.200, & 50.326(a) & (j)]

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

43.1. **Excess Emissions Reporting.** Except as provided in Condition 26, the Permittee shall report all emissions or operations that exceed emissions standards or limits of this permit as follows:

- a. In accordance with 18 AAC 50.240(c), as soon as possible, report
 - (i) excess emissions that present a potential threat to human health or safety; and
 - (ii) excess emissions that the Permittee believes to be unavoidable.
- b. In accordance with 18 AAC 50.235(a), within two working days after the event commenced or was discovered, report an unavoidable emergency, malfunction, or nonroutine repair that causes emissions in excess of a technology-based emission standard.
- c. If a continuous or recurring excess emissions is not corrected within 48 hours of discovery, report within 72 hours of discovery unless the Department provides written permission to report under Condition 43.1.d.
- d. Report all other excess emissions not described in Conditions 43.1.a, 43.1.b, and 43.1.c within 30 days after the end of the month during which the excess emissions occurred or as part of the next routine operating report in Condition 44 for excess emissions that occurred during the period covered by the report, whichever is sooner.
- e. If requested by the Department, the Permittee shall provide a more detailed written report to follow up an excess emissions report.

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

- 43.2. **Permit Deviations Reporting.** For permit deviations that are not “excess emissions,” as defined under 18 AAC 50.990:
- a. Report according to the required deadline for failure to monitor, as specified in other applicable conditions of this permit.
 - b. Report all other permit deviations within 30 days after the end of the month during which the deviation occurred or as part of the next routine operating report in Condition 44 for permit deviations that occurred during the period covered by the report, whichever is sooner.

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

- 43.3. **Reporting Instructions.** When reporting either excess emissions or permit deviations, the Permittee shall report using the Department’s online form for all such submittals, beginning no later than September 7, 2023. The form can be found at the Division of Air Quality’s Air Online Services (AOS) system webpage, <http://dec.alaska.gov/applications/air/airtoolsweb>, using the Permittee Portal option. Alternatively, upon written Department approval, the Permittee may submit the form contained in Section 10 of this permit. The Permittee must provide all information called for by the form that is used. Submit the report in accordance with the submission instructions on the Department’s Standard Permit Conditions webpage found at <http://dec.alaska.gov/air/air-permit/standard-conditions/standard-conditions-iii-and-iv-submission-instructions/>.

[18 AAC 50.235(a)(2), 50.240(c), 50.326(j)(3), 50.346(b)(2) & (3), & 50.270(a) through (c)]

44. **Operating Reports.** During the life of this permit³, the Permittee shall submit to the Department an operating report in accordance with Conditions 40 and 41 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.

- 44.1. The operating report must include all information required to be in operating reports by other conditions of this permit, for the period covered by the report.
- 44.2. When excess emissions or permit deviations that occurred during the reporting period are not included with the operating report under Condition 44.1, the Permittee shall identify
 - a. the date of the excess emissions or permit deviation;
 - b. the equipment involved;
 - c. the permit condition affected;
 - d. a description of the excess emissions or permit deviation; and

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

- e. any corrective action or preventive measures taken and the date(s) of such actions; or
- 44.3. When excess emissions or permit deviation reports have already been reported under Condition 43 during the period covered by the operating report, the Permittee shall either
- a. include a copy of those excess emissions or permit deviation reports with the operating report; or
 - b. cite the date(s) of those reports.
- 44.4. **Transition from expired to renewed permit.** For the first period of this renewed operating permit, also provide the previous permit's operating report elements covering that partial period immediately preceding the effective date of this renewed permit.
- [18 AAC 50.346(b)(6) & 50.326(j)]
[40 CFR 71.6(a)(3)(iii)(A)]
45. **Annual Compliance Certification.** Each year by March 31, compile and submit to the Department an annual compliance certification report according to Condition 41.
- 45.1. Certify the compliance status of the stationary source over the preceding calendar year consistent with the monitoring required by this permit, as follows:
- a. identify each term or condition set forth in Section 3 through Section 9, that is the basis of the certification;
 - b. briefly describe each method used to determine the compliance status;
 - c. state whether compliance is intermittent or continuous; and
 - d. identify each deviation and take it into account in the compliance certification.
- 45.2. **Transition from expired to renewed permit.** For the first period of this renewed operating permit, also provide the previous permit's annual compliance certification report elements covering that partial period immediately preceding the effective date of this renewed permit.
- 45.3. In addition, submit a copy of the report directly to the Clean Air Act Compliance Manager, US EPA Region 10, ATTN: Air Toxics and Enforcement Section, Mail Stop: 20-C04, 1200 Sixth Avenue, Suite 155, Seattle, WA 98101-3188.
- [18 AAC 50.205, 50.345(a) & (j), & 50.326(j)]
[40 CFR 71.6(c)(5)]
46. **Emission Inventory Reporting.** The Permittee shall submit to the Department reports of actual emissions for the previous calendar year, by emissions unit, of CO, NH₃, NO_x, PM₁₀, PM_{2.5}, SO₂, VOC and lead (Pb) and lead compounds, as follows:

- 46.1. **Every-year Inventory.** Each year by April 30, if the stationary source's potential to emit for the previous calendar year equals or exceeds:
- a. 250 tons per year (tpy) of NH₃, PM₁₀, PM_{2.5} or VOC; or
 - b. 2,500 tpy of CO, NO_x or SO₂.
- 46.2. **Triennial Inventory.** Every third year by April 30, if the stationary source's potential to emit (except actual emissions for Pb) for the previous calendar year equals or exceeds:
- a. For stationary sources located in Attainment and Unclassifiable Areas:
 - (i) 0.5 tpy of actual Pb, or
 - (ii) 1,000 tpy of CO; or
 - (iii) 100 tpy of SO₂, NH₃, PM₁₀, PM_{2.5}, NO_x or VOCs.
 - b. For stationary sources located in Nonattainment Areas:
 - (i) 0.5 tpy of actual Pb, or
 - (ii) 1,000 tpy of CO or, when located in a CO nonattainment area, 100 tpy of CO; or
 - (iii) 100 tpy of SO₂, NH₃, PM₁₀, PM_{2.5}, NO_x, or VOC; or as specified in Conditions 46.2.b(iv) through 46.2.b(viii):
 - (iv) 70 tpy of SO₂, NH₃, PM_{2.5}, NO_x, or VOC in PM_{2.5} serious nonattainment; or
 - (v) 70 tpy of PM₁₀ in PM₁₀ serious nonattainment areas; or
 - (vi) 50 tpy of NO_x or VOC in O₃ serious nonattainment areas; or
 - (vii) 25 tpy of NO_x or VOC in O₃ severe nonattainment areas; or
 - (viii) 10 tpy of NO_x or VOC in O₃ extreme nonattainment areas.
- 46.3. For reporting under Condition 46.2, the Permittee shall report the annual emissions and the required data elements under Condition 46.4 every third year for the previous calendar year as scheduled by the EPA.⁴
- 46.4. For each emissions unit and the stationary source, include in the report the required data elements⁵ contained within the form included in the Emission

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

⁵ The required data elements to be reported to the EPA are outlined in 40 CFR 51.15 and Tables 2a and 2b to Appendix A of 40 CFR 51 Subpart A.

Inventory Instructions available at the Department's AOS system on the Point Source Emission Inventory webpage at <http://dec.alaska.gov/Applications/Air/airtoolsweb/PointSourceEmissionInventory>

- 46.5. Submit the report in accordance with the submission instructions on the Department's Standard Permit Conditions webpage at <http://dec.alaska.gov/air/air-permit/standard-conditions/standard-conditions-xv-and-xvi-submission-instructions/>.

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

- 47. Consistency of Reporting Methodologies.** Regardless of permit classification, as of September 7, 2022, all stationary sources operating in the state shall report actual emissions to the Department, either upon request or to meet individual permit requirements, in order for the state to meet federal reporting requirements under 40 CFR Part 51, Subpart A.

- 47.1. For the purposes of reporting actual or assessable emissions under any requirement of this permit, the Permittee shall use consistent pollutant-specific emission factors and calculation methods for all reporting requirements.

[18 AAC 50.040(j)(4), 50.200, 50.326(j)(3), & 50.275]
[40 CFR 51.15, 51.30(a)(1) & (b)(1), & Appendix A to 40 CFR 51 Subpart A]

Section 8. Permit Changes and Renewal

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

- 48.1. The Permittee shall provide a copy of each application for modification or renewal of this permit, including any compliance plan, or application addenda, at the time the application or addendum is submitted to the Department;
- 48.2. The information shall be submitted as follows, which is in EPA's order of preference for receiving air permitting documents: (1) to the EPA's CDX and CEDRI online reporting system accessible via cdx.epa.gov, (2) as an email attachment to the EPA's air permits mailbox (R10_Air_Permits@epa.gov), or (3) as a hardcopy by mail (only if absolutely necessary) to the Part 70 Operating Permit Program, US EPA Region 10, Air Permits and Toxics Branch, Mail Stop: 15-H13, 1200 Sixth Avenue, Suite 155, Seattle, WA 98101-3188;
- 48.3. To the extent practicable, the Permittee shall provide to EPA applications in portable document format (pdf); MS Word format (.doc); or other computer-readable format compatible with EPA's national database management system; and
- 48.4. The Permittee shall maintain records as necessary to demonstrate compliance with this condition.

[18 AAC 50.040(j)(7), 50.326(a) & (j)(3), & 50.346(b)(7)]
[40 CFR 71.10(d)(1)]

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

[18 AAC 50.040(j)(4) & 50.326(j)]
[40 CFR 71.6(a)(8)]

50. Off Permit Changes. Changes that are not addressed or prohibited by this permit, other than those subject to the requirements of 40 CFR Part 72 through 78 or those that are modifications under any provision of Title I of the Act, may be made without a permit revision, provided that the following requirements are met:

- 50.1. Each such change shall meet all applicable requirements and shall not violate any existing permit term or condition;
- 50.2. Provide contemporaneous written notice to EPA and the Department of each such change, except for changes that qualify as insignificant under 18 AAC 50.326(d) – (i). Such written notice shall describe each such change, including the date, any change in emissions, pollutants emitted, and any applicable requirement that would apply as a result of the change;
- 50.3. The change shall not qualify for the shield under 40 CFR 71.6(f);

- 50.4. Keep a record describing changes made at the stationary source that result in emissions of a regulated air pollutant subject to an applicable requirement, but not otherwise regulated under the permit, and the emissions resulting from those changes.

[18 AAC 50.040(j)(4) & 50.326(j)]
[40 CFR 71.6(a)(12)]

- 51. Operational Flexibility.** CAA Section 502(b)(10)⁶ changes may be made within the permitted stationary source without a permit revision, if the changes are not modifications under any provision of Title I of the Act and the changes do not exceed the emissions allowable under this permit (whether expressed therein as a rate of emissions or in terms of total emissions): Provided, that the Permittee provides EPA and the Department with written notification no less than seven days in advance of the proposed change.

- 51.1. For each such change, the notification required by Condition 51 shall include a brief description of the change within the permitted stationary source, the date on which the change will occur, any change in emissions, and any permit term or condition that is no longer applicable as a result of the change.
- 51.2. The permit shield described in 40 CFR 71.6(f) shall not apply to any change made pursuant to Condition 51.

[18 AAC 50.040(j)(4) & 50.326(j)]
[40 CFR 71.6(a)(13)]

- 52. Permit Renewal.** To renew this permit, the Permittee shall submit to the Department⁷ an application under 18 AAC 50.326 no sooner than [18 months before] and no later than [6 months before the expiration date of this permit]. The renewal application must be complete before the permit expiration date listed on the cover page of this permit. Permit expiration terminates the stationary source's right to operate unless a timely and complete renewal application has been submitted consistent with 40 CFR 71.7(b) and 71.5(a)(1)(iii).

[18 AAC 50.040(j)(3), 50.326(c) & (j)(2)]
[40 CFR 71.5(a)(1)(iii) & 71.7(b) & (c)(1)(ii)]

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

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

Section 9. Compliance Requirements

General Compliance Requirements

- 53.** Compliance with permit terms and conditions is considered to be compliance with those requirements that are
- 53.1. included and specifically identified in the permit; or
 - 53.2. determined in writing in the permit to be inapplicable.
- [18 AAC 50.326(j)(3) & 50.345(a) & (b)]
- 54.** 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
- 54.1. an enforcement action;
 - 54.2. permit termination, revocation and reissuance, or modification in accordance with AS 46.14.280; or
 - 54.3. denial of an operating permit renewal application.
- [18 AAC 50.040(j), 50.326(j) & 50.345(a) & (c)]
- 55.** For applicable requirements with which the stationary source is in compliance, the Permittee shall continue to comply with such requirements.
- [18 AAC 50.040(j) & 50.326(j)]
[40 CFR 71.6(c)(3) & 71.5(c)(8)(iii)(A)]
- 56.** It is not a defense in an enforcement action to claim that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with a permit term or condition.
- [18 AAC 50.326(j)(3) & 50.345(a) & (d)]
- 57.** 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
- 57.1. enter upon the premises where a source subject to the permit is located or where records required by the permit are kept;
 - 57.2. have access to and copy any records required by the permit;
 - 57.3. inspect any stationary source, equipment, practices, or operations regulated by or referenced in the permit; and
 - 57.4. sample or monitor substances or parameters to assure compliance with the permit or other applicable requirements.
- [18 AAC 50.326(j)(3) & 50.345(a) & (h)]

- 58.** For applicable requirements that will become effective during the permit term, the Permittee shall meet such requirements on a timely basis.

[18 AAC 50.040(j) & 50.326(j)]
[40 CFR 71.6(c)(3) & 71.5(c)(8)(iii)(B)]

Section 10. ADEC Notification Form⁸

Insulfoam Facility

AQ1081TVP04

Stationary Source (Facility) Name

Air Quality Permit Number

Insulfoam, a division of Carlisle Construction Materials,
LLC

Company Name

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 Condition – Complete Section 2 and Certify

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

Deviations from COBC⁹, CO¹⁰, or Settlement Agreement – Complete Section 2 and Certify

⁸ Revised as of July 22, 2020.

⁹ Compliance Order By Consent

¹⁰ 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.):

- 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. Attach supporting information if necessary.

(d) **Emissions Units Involved:**
 Identify the emissions 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

(e) **Type of Incident** (please check only one):

- 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 Involved:**

Identify the emissions units 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. Attach supporting information if necessary.

(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). Read and sign the certification in the bottom of the form above. (See Condition 40.)*

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)]