

**Iowa Department of Natural Resources  
Title V Operating Permit**

**Name of Permitted Facility: Astoria Industries of Iowa, Inc.**

**Facility Location: 1001 Furnas Dr., Osceola, IA 50213**

**Air Quality Operating Permit Number: 09-TV-003**

**Expiration Date: June 9<sup>th</sup>, 2014**

**Permit Renewal Application Deadline: December 9<sup>th</sup>, 2013**

**EIQ Number: 92-4329**

**Facility File Number: 20-01-018**

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**Responsible Official**

**Name: Robert Wolf**

**Title: CEO**

**Mailing Address: 1001 Furnas Dr., Osceola, IA 50213**

**Phone #: 641-342-3456**

**Permit Contact Person for the Facility**

**Name: Todd Green**

**Title: Engineer**

**Mailing Address: 1001 Furnas Dr., Osceola, IA 50213**

**Phone #: 641-342-3456**

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This permit is issued in accordance with 567 Iowa Administrative Code Chapter 22, and is issued subject to the terms and conditions contained in this permit.

**For the Director of the Department of Natural Resources**

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Douglas A. Campbell, Supervisor of Air Operating Permits Section

Date

# Table of Contents

<b>I. Facility Description and Equipment List .....</b>	<b>4</b>
<b>II. Plant - Wide Conditions.....</b>	<b>5</b>
<b>III. Emission Point Specific Conditions .....</b>	<b>12</b>
<b>IV. General Conditions.....</b>	<b>31</b>
G1. Duty to Comply	
G2. Permit Expiration	
G3. Certification Requirement for Title V Related Documents	
G4. Annual Compliance Certification	
G5. Semi-Annual Monitoring Report	
G6. Annual Fee	
G7. Inspection of Premises, Records, Equipment, Methods and Discharges	
G8. Duty to Provide Information	
G9. General Maintenance and Repair Duties	
G10. Recordkeeping Requirements for Compliance Monitoring	
G11. Evidence used in establishing that a violation has or is occurring.	
G12. Prevention of Accidental Release: Risk Management Plan Notification and Compliance Certification	
G13. Hazardous Release	
G14. Excess Emissions and Excess Emissions Reporting Requirements	
G15. Permit Deviation Reporting Requirements	
G16. Notification Requirements for Sources That Become Subject to NSPS and NESHAP Regulations	
G17. Requirements for Making Changes to Emission Sources That Do Not Require Title V Permit Modification	
G18. Duty to Modify a Title V Permit	
G19. Duty to Obtain Construction Permits	
G20. Asbestos	
G21. Open Burning	
G22. Acid Rain (Title IV) Emissions Allowances	
G23. Stratospheric Ozone and Climate Protection (Title VI) Requirements	
G24. Permit Reopenings	
G25. Permit Shield	
G26. Severability	
G27. Property Rights	
G28. Transferability	
G29. Disclaimer	
G30. Notification and Reporting Requirements for Stack Tests or Monitor Certification	
G31. Prevention of Air Pollution Emergency Episodes	
G32. Contacts List	
<b>V. Appendices.....</b>	<b>59</b>

## Abbreviations

acfm.....	actual cubic feet per minute
CFR.....	Code of Federal Regulation
CE .....	control equipment
CEM.....	continuous emission monitor
°F.....	degrees Fahrenheit
EIQ.....	emissions inventory questionnaire
EP.....	emission point
EU .....	emission unit
gr./dscf .....	grains per dry standard cubic foot
gr./100 cf.....	grains per one hundred cubic feet
IAC.....	Iowa Administrative Code
IDNR.....	Iowa Department of Natural Resources
MVAC.....	motor vehicle air conditioner
NAICS.....	North American Industry Classification System
NSPS.....	new source performance standard
ppmv .....	parts per million by volume
lb./hr .....	pounds per hour
lb./MMBtu .....	pounds per million British thermal units
SCC.....	Source Classification Codes
scfm.....	standard cubic feet per minute
SIC.....	Standard Industrial Classification
TPY.....	tons per year
USEPA.....	United States Environmental Protection Agency

### Pollutants

PM.....	particulate matter
PM <sub>10</sub> .....	particulate matter ten microns or less in diameter
SO <sub>2</sub> .....	sulfur dioxide
NO <sub>x</sub> .....	nitrogen oxides
VOC.....	volatile organic compound
CO.....	carbon monoxide
HAP.....	hazardous air pollutant

# I. Facility Description and Equipment List

Facility Name: Astoria Industries of Iowa, Inc.

Permit Number: 09-TV-003

Facility Description: This facility manufactures reinforced plastic composite parts for utility truck bodies. (SIC 3089)

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## Equipment List

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<b>Emission Point Number</b>	<b>Emission Unit Number</b>	<b>Emission Unit Description</b>	<b>IDNR Construction Permit Number</b>
EP-1	EU-1	Resin Chop Spray Area	06-A-1309
EP-2	EU-2	Resin Chop Spray Area	06-A-1310
EP-3	EU-3	Gel Coat Spray Booth	06-A-1311
EP-4	EU-4	Paint Spray Booth	07-A-456-S1
EP-5A	EU-5	Recycled Fiberglass Board Press Room	08-A-430-S1
EP-5B			
EP-5C			
EP-6	EU-6	Closed Cavity Bag Molding Area	09-A-108
EP-7	EU-7	Grinding/Sanding Booth Located in Board Press Room	09-A-025

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### Insignificant Activities Equipment List

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Insignificant Emission Unit Number	Insignificant Emission Unit Description
EU-100	Bondo (adhesive use of the body shop)
EU-101	Buffing Compound
EU-102	Adhesives (Shelving & APR)
EU-103	Silicone (Final & Inspection)
EU-104	Welding Wire
EU-105	Welding Gases
EU-106	Door Bonding Putty
EU-107	Fiberglass Mold Preparation
EU-108	Bulkhead Adhesive
EU-109	FRP Grinder
EU-110	Phosphatizer #2
EU-111	Parts Washer Heater (332,000 Btu/hr)
EU-112	Weather Rite Natural Gas Heater (650,000 Btu/hr)
EU-113	Hastings Natural Gas Heater (1,076,000 Btu/hr)
EU-114	Rapid Air #1 Natural Gas Heater (3,850,000 Btu/hr)
EU-115	Rapid Air #2 Natural Gas Heater (3,850,000 Btu/hr)
EU-116	Rapid Air #3 Natural Gas Heater (1,650,000 Btu/hr)

## II. Plant-Wide Conditions

Facility Name: Astoria Industries of Iowa, Inc.  
Permit Number: 09-TV-003

Permit conditions are established in accord with 567 Iowa Administrative Code rule 22.108

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### Permit Duration

The term of this permit is: 5 years  
Commencing on: 6/10/2009  
Ending on: 6/09/2014

Amendments, modifications and reopenings of the permit shall be obtained in accordance with 567 Iowa Administrative Code rules 22.110 - 22.114. Permits may be suspended, terminated, or revoked as specified in 567 Iowa Administrative Code Rules 22.115.

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### Emission Limits

*Unless specified otherwise in the Source Specific Conditions, the following limitations and supporting regulations apply to all emission points at this plant:*

Opacity (visible emissions): 40% opacity  
Authority for Requirement: 567 IAC 23.3(2)"d"

Sulfur Dioxide (SO<sub>2</sub>): 500 parts per million by volume  
Authority for Requirement: 567 IAC 23.3(3)"e"

#### Particulate Matter:

No person shall cause or allow the emission of particulate matter from any source in excess of the emission standards specified in this chapter, except as provided in 567 – Chapter 24. For sources constructed, modified or reconstructed after July 21, 1999, the emission of particulate matter from any process shall not exceed an emission standard of 0.1 grain per dry standard cubic foot of exhaust gas, except as provided in 567 – 21.2(455B), 23.1(455B), 23.4(455B) and 567 – Chapter 24.

For sources constructed, modified or reconstructed prior to July 21, 1999, the emission of particulate matter from any process shall not exceed the amount determined from Table I, or amount specified in a permit if based on an emission standard of 0.1 grain per standard cubic foot of exhaust gas or established from standards provided in 23.1(455B) and 23.4(455B).  
Authority for Requirement: 567 IAC 23.3(2)"a"

Fugitive Dust: Attainment and Unclassified Areas - No person shall allow, cause or permit any materials to be handled, transported or stored; or a building, its appurtenances or a construction haul road to be used, constructed, altered repaired or demolished, with the exception of farming operations or dust generated by ordinary travel on unpaved public roads, without taking reasonable precautions to prevent particulate matter in quantities sufficient to create a nuisance, as defined in Iowa Code section 657.1, from becoming airborne. All persons, with the above exceptions, shall take reasonable precautions to prevent the discharge of visible emissions of fugitive dusts beyond the lot line of the property on which the emissions originate. The highway authority shall be responsible for taking corrective action in those cases where said authority has received complaints of or has actual knowledge of dust conditions which require abatement pursuant to this subrule. Reasonable precautions may include, but not limited to, the following procedures.

1. Use, where practical, of water or chemicals for control of dusts in the demolition of existing buildings or structures, construction operations, the grading of roads or the clearing of land.
2. Application of suitable materials, such as but not limited to asphalt, oil, water or chemicals on unpaved roads, material stockpiles, race tracks and other surfaces which can give rise to airborne dusts.
3. Installation and use of containment or control equipment, to enclose or otherwise limit the emissions resulting from the handling and transfer of dusty materials, such as but not limited to grain, fertilizers or limestone.
4. Covering at all times when in motion, open-bodied vehicles transporting materials likely to give rise to airborne dusts.
5. Prompt removal of earth or other material from paved streets or to which earth or other material has been transported by trucking or earth-moving equipment, erosion by water or other means.

Authority for Requirement: 567 IAC 23.3(2)"c"

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## **NESHAP Requirements**

### **40 CFR Part 63, Subpart WWWW**

This facility has emission units that are considered affected sources under Subparts A (General Provisions, 40 CFR §63.1 – 40 CFR §63.15) and WWWW [National Emission Standards for Hazardous Air Pollutants for Reinforced Plastic Composites Production, 40 CFR §63.5780 – 40 CFR §63.5935] of the National Emission Standard for Hazardous Air Pollutants (NESHAP). Per the applicability criteria in Sec. 63.5785 and the definition of a new affected source in Sec 63.5795, these are new sources subject to 40 CFR Subpart WWWW. Attached as Appendix A to this permit, and hereby incorporated by reference is 40 CFR 63 Subpart WWWW.

The permittee shall comply with all applicable requirements of Subpart WWWW. This facility must demonstrate compliance with the standards upon start-up as it is a new source that is a major source at startup. The initial notification was received June 22, 2007. The notification of compliance status was received on May 23, 2008.

This existing facility does not have any centrifugal casting or continuous lamination/casting operations. Therefore, according to 40 CFR §63.5805, they must meet the annual average organic HAP emissions limits in Table 3 to subpart WWWW and the work practice standards in Table 4 to subpart WWWW that apply. The closed molding operations are subject to Table 9.

**Emission Limits (§ 63.5935)**

Table 3 to Subpart WWWW of Part 63 – summarizes the emission limits for various types of processes, all emitting less than 100 TPY of HAP. Below are the operations at this facility that are subject to the limitations in Table 3 of Subpart WWWW.

<b>Type of Operation</b>	<b>Type of Application</b>	<b>HAP Emission Limit</b>	<b>Type of Resin</b>	<b>Use if &lt; 33% organic HAP (19% organic HAP for non-atomized gel coat)</b>	<b>Use if 33% or more organic HAP (19% organic HAP for non-atomized gel coat)</b>
Open molding – non-corrosive resistant or high strength	Mechanical resin application	88 lb/ton	Nonatomized mechanical resin application/ nonvapor-suppressed resin	$EF = 0.107x \%HAP \times 2000$	$EF = ((0.157 \times \%HAP) - 0.0165) \times 2000$
Open molding – gel coat	Pigmented gel coating	377 lb/ton	Atomized spray gel coat application/ nonvapor-suppressed gel coat	$EF = 0.445 \times \%HAP \times 2000$	$EF = ((1.03646 \times \%HAP) - 0.195) \times 2000$
	White gel coating	267 lb/ton			
	Tooling gel coating	440 lb/ton			

Table 8 to Subpart WWWW of Part 63 – summarizes the initial compliance with organic HAP emission limits. As required in 40 CFR 63.5860(a) initial compliance with organic HAP emission limits must be demonstrated by one of the following options:

- i) You have met the appropriate organic HAP emissions limits for these operations as calculated using the procedures in 63.5810 on a 12-month rolling average one year after the appropriate compliance date, and/or
- ii) You demonstrate that any individual resins or gel coats not included in (i) above, as applied, meet their applicable emission limits, or
- iii) You demonstrate using the appropriate values in Table 7 to subpart WWWW that the weighted average of all resins and gel coats for each resin type and application method meet the appropriate organic HAP contents.

**Work Practice Standards (§ 63.5935)**

Table 4 to Subpart WWWW of Part 63 – summarizes the Work Practice Standards as required in 40 CFR 63.5805. Below are the operations at this facility that are subject to the Work Practice

Standards in Table 4 of Subpart WWWW and the means to demonstrate initial compliance listed in Table 9 to Subpart WWWW of Part 63.

Type of operation	Work Practice Standard	Initial Compliance
New - cleaning operation	Must not use cleaning solvents that contain HAP, except that styrene may be used as a cleaner in closed systems, and organic HAP containing cleaners may be used to clean cured resin from application equipment. Application equipment includes any equipment that directly contacts resin between storage and applying resin to the mold or reinforcement.	The owner or operator must submit a certified statement in the notice of compliance status that all cleaning materials, except styrene contained in closed systems, or materials used to clean cured resin from application equipment contain no HAP.
New - materials HAP-containing materials storage operation	Must keep containers that store HAP-containing materials closed or covered except during the addition or removal of materials. Bulk HAP-containing materials storage tanks may be vented as necessary for safety.	The owner or operator must submit a certified statement in the notice of compliance status that all HAP-containing storage containers are kept closed or covered except when adding or removing materials, and that any bulk storage tanks are vented only as necessary for safety.
New- closed molding operation using compression/injection molding	Must uncover, unwrap or expose only one charge per mold cycle per compression/injection molding machine. For machines with multiple molds, one charge means sufficient material to fill all molds for one cycle. For machines with robotic loaders, no more than one charge may be exposed prior to the loader. For machines fed by hoppers, sufficient material may be uncovered to fill the hopper. Hoppers must be closed when not adding materials. Materials may be uncovered to feed to slitting machines. Materials must be recovered after slitting	The owner or operator submits a certified statement in the notice of compliance status that only one charge is uncovered, unwrapped, or exposed per mold cycle per compression/injection molding machine, or prior to the loader, hoppers are closed except when adding materials, and materials are recovered after slitting.

**Requirement for Reports (§ 63.5910)**

1. Per Part 63.5810, to determine compliance with the organic HAP limits, the necessary calculations must be completed within 30 days after the end of each month.
2. As required in 63.5910 you must submit a compliance report semiannually according to the requirements in 63.5910(b). See Table 14 in 40 CFR Part 63 Subpart WWWW.

3. As required in 63.5910 you must submit an immediate startup, shutdown, and malfunction report if you had a startup, shutdown or malfunction during the reporting period that is not consistent with your startup, shutdown, and malfunction plan. See Table 14 in 40 CFR Part 63 Subpart WWWW.

Authority for Requirement: 40 CFR Part 63 Subpart WWWW  
567 IAC 23.1(4)"cw"  
Iowa DNR Construction Permit 06-A-1309, 06-A-1310, 06-A-1311, 08-A-430-S1, and 09-A-108

### **40 CFR Part 63, Subpart MMMM**

One spray booth at this facility is an affected source under Subparts A (General Provisions, 40 CFR §63.1 – 40 CFR §63.15) and MMMM [National Emission Standards for Hazardous Air Pollutants for Surface Coating of Miscellaneous Metal Parts and Products, 40 CFR §63.3880 – 40 CFR §63.3981] of the National Emission Standard for Hazardous Air Pollutants (NESHAP).

The affected sources are the collection of all the items listed in paragraphs (b)(1) through (4) of section 63.3882 that are used for surface coating of miscellaneous metal parts and products within each subcategory.

- (1) All coating operations as defined in 63.3981
- (2) All storage containers and mixing vessels in which coatings, thinners and/or other additives, and cleaning materials are stored or mixed.
- (3) All manual and automated equipment and containers used for conveying coatings, thinners and/or other additives, and cleaning materials.
- (4) All storage containers and all manual and automated equipment and containers used for conveying waste materials generated by a coating operation.

Per the applicability criteria in Sec. 63.3881 and the definitions of Sec 63.3882, the source at this facility is considered a new source subject to 40 CFR Subpart MMMM. Attached as Appendix B to this permit, and hereby incorporated by reference is 40 CFR 63 Subpart MMMM. Please refer to Appendix B to for a full explanation of all requirements (including work practice standards).

The permittee shall comply with all applicable requirements of Subpart MMMM. If the initial startup of your new or reconstructed affected source occurs after January 2, 2004, the compliance date is the date of initial startup of your affected source. Initial notification was received July 18<sup>th</sup>, 2007. The compliance status notification was received July 31, 2008.

#### **Emission Limits (§ 63.3890)**

There is one unit that may be subject to Subpart MMMM if they meet the definition of affected source and use 250 gal. or more per year of coatings that contain HAPs. Below is a table of the

five source categories and the organic HAP limit for new sources. See section 63.3890 for a complete definition of each source category.

<b>Organic HAP Emission Limits</b>	<b>Existing Source</b>
General	1.9 lb HAP/gal of coating solids
High Performance Source	27.5 lb HAP/gal of coating solids
Magnet Wire	0.44 lb HAP/gal of coating solids
Rubber to Metal	6.8 lb HAP/gal of coating solids
Extreme Performance	12.4 lb HAP/gal of coating solids

**Compliance Options (§63.3900)**

You must include all coatings (as defined in Section 63.3981), thinners and/or other additives, and cleaning materials used in the affected source when determining whether the organic HAP emission rate is equal to or less than the applicable emission limit in Section 63.3890. To make this determination, you must use at least one of the three compliance options summarized below.

- A) Compliant material option – coatings are less than or equal to the limit. Thinners, additives and cleaning materials do NOT contain any HAPs.
- B) Emission rate without add-on control – Taking all materials into account, the organic HAP emission rate is less than or equal to the applicable limit determined on a monthly basis.
- C) Emission rate with add-on control – Taking all materials into account, the organic HAP emission rate is less than or equal to the applicable limit determined on a monthly basis, but with the use of control equipment.

\* If the facility selects compliance option A or B, they are not required to meet any operating limits or work practice standards.

**Notifications, Reports and Records (§63.3910)**

- A. Notifications
  - 1. Initial notification for new facility – No later than 120 days after initial startup.
  - 2. Initial compliance status – The facility must submit a Notification of Compliance Status within 30 days after the end of the initial 12-month compliance period.
- B. Reports
  - 1. Semi-annual compliance reports
  - 2. Performance test reports (if using add-on control)
  - 3. Start-up, shutdown, malfunction report (if using add-on control)
- C. Records (See Section 63.3930 for a complete list of requirements)
  - 1. Copy of each notification and report
  - 2. Information from materials suppliers
  - 3. Record of each type of operation
  - 4. Record of HAP content

Authority for Requirement: 40 CFR Part 63 Subpart M

**40 CFR Part 63, Subpart PPPP**

This facility has an emission unit (spray booth) that is considered an affected source under Subparts A (General Provisions, 40 CFR §63.1 – 40 CFR §63.15) and PPPP [National Emission Standards for Hazardous Air Pollutants for Surface Coating of Plastic Parts and Products, 40 CFR §63.4480 – 40 CFR §63.4581] of the National Emission Standard for Hazardous Air Pollutants (NESHAP). Per the definition of a new affected source in Sec 63.4482, this is a new source subject to 40 CFR Subpart PPPP. Attached as Appendix C to this permit, and hereby incorporated by reference is 40 CFR 63 Subpart PPPP.

(a) For the purpose of this subpart plastic parts and products include, but are not limited to, plastic components of the following types of products as well as the products themselves: Motor vehicle parts and accessories for automobiles, trucks, recreational vehicles; sporting and recreational goods; toys; business machines; laboratory and medical equipment; and household and other consumer products.

(b) The affected source is the collection of all of the items listed in paragraphs (b)(1) through (4) of this section that are used for surface coating of plastic parts and products within each subcategory.

- (1) All coating operations as defined in §63.4581;
- (2) All storage containers and mixing vessels in which coatings, thinners and/or other additives, and cleaning materials are stored or mixed;
- (3) All manual and automated equipment and containers used for conveying coatings, thinners and/or other additives, and cleaning materials; and
- (4) All storage containers and all manual and automated equipment and containers used for conveying waste materials generated by a coating operation.

The permittee shall comply with all applicable requirements of Subpart PPPP. Below is a general outline of requirements for this subpart. For a full explanation of all requirements (including work practice standards), and information on demonstrating compliance please refer to Appendix C. This facility must demonstrate compliance with the standards upon start-up as it is a new source that is a major source at startup. The initial notification and notification of compliance status was received February 23, 2009.

**Compliance Date (§ 63.4483)**

(a) For a new or reconstructed affected source, the compliance date is the applicable date in paragraph (a)(1) or (2) of this section:

- (1) If the initial startup of your new or reconstructed affected source is before April 19, 2004, the compliance date is April 19, 2004.

(2) If the initial startup of your new or reconstructed affected source occurs after April 19, 2004, the compliance date is the date of initial startup of your affected source.

### **Emission Limits (§ 63.4490)**

(a) For a new or reconstructed affected source, you must limit organic HAP emissions to the atmosphere from the affected source to the applicable limit specified in paragraphs (a)(1) through (4) of this section.

(1) For each new general use coating affected source, limit organic HAP emissions to no more than 0.16 kg (0.16 lb) organic HAP emitted per kg (lb) coating solids used during each 12-month compliance period.

(2) For each new automotive lamp coating affected source, limit organic HAP emissions to no more than 0.26 kg (0.26 lb) organic HAP emitted per kg (lb) coating solids used during each 12-month compliance period.

(3) For each new TPO coating affected source, limit organic HAP emissions to no more than 0.22 kg (0.22 lb) organic HAP emitted per kg (lb) coating solids used during each 12-month compliance period.

(4) For each new assembled on-road vehicle coating affected source, limit organic HAP emissions to no more than 1.34 kg (1.34 lb) organic HAP emitted per kg (lb) coating solids used during each 12-month compliance period.

### **Compliance Options (§ 63.4491)**

You must include all coatings (as defined in §63.4581), thinners and/or other additives, and cleaning materials used in the affected source when determining whether the organic HAP emission rate is equal to or less than the applicable emission limit in §63.4490. To make this determination, you must use at least one of the three compliance options listed in paragraphs (a) through (c) of this section.

(a) *Compliant material option.* Demonstrate that the organic HAP content of each coating used in the coating operation(s) is less than or equal to the applicable emission limit in §63.4490, and that each thinner and/or other additive, and cleaning material used contains no organic HAP. You must meet all the requirements of §§63.4540, 63.4541, and 63.4542 to demonstrate compliance with the applicable emission limit using this option.

(b) *Emission rate without add-on controls option.* Demonstrate that, based on the coatings, thinners and/or other additives, and cleaning materials used in the coating operation(s), the organic HAP emission rate for the coating operation(s) is less than or equal to the applicable emission limit in §63.4490, calculated as a rolling 12-month emission rate and determined on a monthly basis. You must meet all the requirements of §§63.4550, 63.4551, and 63.4552 to demonstrate compliance with the emission limit using this option.

(c) *Emission rate with add-on controls option.* Demonstrate that, based on the coatings, thinners and/or other additives, and cleaning materials used in the coating operation(s), and the emissions reductions achieved by emission capture systems and add-on controls, the organic HAP emission

rate for the coating operation(s) is less than or equal to the applicable emission limit in §63.4490, calculated as a rolling 12-month emission rate and determined on a monthly basis. If you use this compliance option, you must also demonstrate that all emission capture systems and add-on control devices for the coating operation(s) meet the operating limits required in §63.4492, except for solvent recovery systems for which you conduct liquid-liquid material balances according to §63.4561(j), and that you meet the work practice standards required in §63.4493. You must meet all the requirements of §§63.4560 through 63.4568 to demonstrate compliance with the emission limits, operating limits, and work practice standards using this option.

\* If the facility selects compliance option (a) or (b) listed above, they are not required to meet any operating limits or work practice standards.

### **Notifications, Reports and Records (§ 63.4510, 63.4520, 63.4530)**

#### (1) Notifications and Reports

- (a) *Initial notification.* You must submit the initial notification required by §63.9(b) for a new or reconstructed affected source no later than 120 days after initial startup.
- (b) *Notification of compliance status.* You must submit the notification of compliance status required by §63.9(h) no later than 30 calendar days following the end of the initial compliance period described in §63.4540, §63.4550, or §63.4560 that applies to your affected source.
- (c) *Semiannual compliance reports.* You must submit semiannual compliance reports for each affected source.
- (d) *Performance test reports.* If you use the emission rate with add-on controls option, you must submit reports of performance test results for emission capture systems and add-on control devices no later than 60 days after completing the tests as specified in §63.10(d)(2).
- (e) *Startup, shutdown, malfunction reports.* If you used the emission rate with add-on controls option and you had a startup, shutdown, or malfunction during the semiannual reporting period, you must submit the reports specified in paragraphs (c)(1) and (2) of this section.

#### (2) Records

Your records must be in a form suitable and readily available for expeditious review. Records must be kept for 5 years.

- (a) A copy of each notification and report that you submitted to comply with this subpart, and the documentation supporting each notification and report.
- (b) A current copy of information provided by materials suppliers or manufacturers, such as manufacturer's formulation data, or test data used to determine the mass fraction of organic HAP and density for each coating, thinner and/or other additive, and cleaning material, and the mass fraction of coating solids for each coating.
- (c) For each compliance period, the records specified in paragraphs (c)(1) through (4) of this section.

- (1) A record of the coating operations on which you used each compliance option and the time periods (beginning and ending dates and times) for each option you used.
  - (2) For the compliant material option, a record of the calculation of the organic HAP content for each coating, using Equation 1 of §63.4541.
  - (3) For the emission rate without add-on controls option, a record of the calculation of the total mass of organic HAP emissions for the coatings, thinners and/or other additives, and cleaning materials used each month using Equations 1, 1A through 1C, and 2 of §63.4551 and, if applicable, the calculation used to determine mass of organic HAP in waste materials according to §63.4551(e)(4); the calculation of the total mass of coating solids used each month using Equation 2 of §63.4551; and the calculation of each 12-month organic HAP emission rate using Equation 3 of §63.4551.
  - (4) For the emission rate with add-on controls option, records of the calculations specified in paragraphs (c)(4)(i) through (v) of this section.
- (d) A record of the name and mass of each coating, thinner and/or other additive, and cleaning material used during each compliance period. If you are using the compliant material option for all coatings at the source, you may maintain purchase records for each material used rather than a record of the mass used.
  - (e) A record of the mass fraction of organic HAP for each coating, thinner and/or other additive, and cleaning material used during each compliance period.
  - (f) A record of the mass fraction of coating solids for each coating used during each compliance period.
  - (g) If you use an allowance in Equation 1 of §63.4551 for organic HAP contained in waste materials sent to or designated for shipment to a treatment, storage, and disposal facility (TSDF) according to §63.4551(e)(4), you must keep records of the information specified in paragraphs (g)(1) through (3) of this section.
  - (h) You must keep records of the date, time, and duration of each deviation.

Authority for Requirement: 40 CFR 63 Subpart PPPP  
 567 IAC 23.1(3) "cp"  
 Iowa DNR Construction Permit 07-A-456-S1

**Compliance Plan**

*The owner/operator shall comply with the applicable requirements listed below. The compliance status is based on information provided by the applicant.*

Unless otherwise noted in Section III of this permit, Astoria Industries of Iowa, Inc. is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which become effective during the permit term, Astoria Industries of Iowa, Inc. shall comply with such requirements in a timely manner.

Authority for Requirement: 567 IAC 22.108(15)

### III. Emission Point-Specific Conditions

Facility Name: Astoria Industries of Iowa, Inc.  
Permit Number: **09-TV-003**

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#### **Emission Point ID Number: EP-1**

##### Associated Equipment

Associated Emission Unit ID Numbers: EU-1  
Emissions Control Equipment ID Number: CE-1  
Emissions Control Equipment Description: Dry filters

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Emission Unit vented through this Emission Point: EU-1  
Emission Unit Description: Resin Chop Spray Area  
Raw Material/Fuel: Fiberglass, Resin, and Catalyst  
Rated Capacity: 1,000 lbs/day Resin

#### **Applicable Requirements**

##### **Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from this emission point shall not exceed the levels specified below.*

Pollutant: Opacity

<sup>(1)</sup>Emission Limit(s): 40%

Authority for Requirement: Iowa DNR Construction Permit 06-A-1309; 567 IAC 23.3(2)"d"

<sup>(1)</sup> An exceedance of the indicator opacity of (10%) will require the owner/operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedance. If exceedances continue after the corrections, the DNR may require additional proof to demonstrate compliance (e.g., stack testing).

Pollutant: PM<sub>10</sub>

<sup>(1)</sup>Emission Limit(s): 3.0 lb/hr

Authority for Requirement: Iowa DNR Construction Permit 06-A-1309

<sup>(1)</sup> Requested to avoid dispersion modeling.

Pollutant: Particulate Matter (PM)

Emission Limit(s): 0.1 gr/dscf, 3.0 lb/hr

Authority for Requirement: Iowa DNR Construction Permit 06-A-1309; 567 IAC 23.3(2)"a"

Pollutant: Volatile Organic Compounds (VOC)

<sup>(1)(2)</sup>Emission Limit(s): 16.2 tons/year

Authority for Requirement: Iowa DNR Construction Permit 06-A-1309

(1) Standards are a 12-month rolling total based on operating limits. Limits are for EP 1 and EP 2 combined.

(2) Includes VOC emissions from catalyst. Based on assumption that 2 lbs catalyst used per 100 lbs resin.

Pollutant: Total HAP

(1)(2)Emission Limit(s): 16.05 tons/yr

Authority for Requirement: Iowa DNR Construction Permit 06-A-1309; 567 IAC 23.1(4)"cw"; 40 CFR Part 63 Subpart WWWW

(1) Standards are a 12-month rolling total based on operating limits in Section 14. Limits are for EP 1 and EP 2 combined.

(2) The unit must meet the emission limits from Table 3 or Table 7 to Part 63, Subpart WWWW for open molding – non corrosion-resistant and/or high strength resin. Based on maximum HAP content of 38.5% and the equations from Table 1 of Subpart WWWW.

### **Operational Limits & Requirements**

*The owner/operator of this equipment shall comply with the operational limits and requirements listed below.*

#### **Operating Limits**

- A. The amount of resin used in emissions units EU-1 and EU-2 shall not exceed 729,600 pounds in any rolling 12-month period. This limit shall include the resin used at the facility for manual resin application (e.g. hand lay-up).
- B. The organic HAP content of the resin used in resin chop areas (EU-1 and EU-2) and in hand lay-up operations shall not exceed 38.5% by weight. This can be the weighted average of the organic HAP content of all resins used in a month in accordance with §63.5810(d).
- C. The spray gun used in the resin chop area #1 shall meet the definition of nonatomized mechanical resin application from §63.5935 of Part 63, Subpart WWWW. The spray gun must be operated according to the manufacturer's directions, including instructions to prevent the operation of the spray gun at excessive spray pressure.
- D. A maximum of one spray gun may be used in resin chop area #1 at any one time.
- E. The dry filters used in this emissions unit shall be operated and maintained in accordance with the recommendations of the manufacturer.
- F. The clean-up solvent used in this emissions unit shall contain no VOC.
- G. The facility must be in compliance at all times with the following work practice standards from Table 4 of subpart WWWW:
  - i. The permittee may not use cleaning solvents that contain HAP, except that styrene may be used as a cleaner in closed systems, and organic HAP containing cleaners may be used to clean cured resin from application equipment. Application equipment includes any equipment that directly contacts resin.

- ii. The permittee must keep containers that store HAP-containing materials closed or covered except during the addition or removal of materials. Bulk HAP-containing materials storage tanks may be vented as necessary for safety.
- iii. Mixers used to blend or agitate HAP-containing materials in vessels larger than 5.0 gallons shall meet the following requirements:
  - a. A cover shall be used on the mixer with no visible gaps, except that gaps of up to 1 inch are permissible around mixer shafts and any required instrumentation;
  - b. The mixer vents shall be kept closed when actual mixing is occurring except that venting is allowed during the addition of materials or as necessary prior to adding materials or opening the cover for safety; and
  - c. The mixer covers shall be closed while actual mixing is occurring except when adding materials or changing covers to the mixing vessels.

### **Reporting and Recordkeeping**

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the DNR. Records shall be legible and maintained in an orderly manner.

- A. The permittee shall keep the following monthly records:
  - i. The identification and the HAP content of the resin used in this emissions unit.
  - ii. The amount of resin used in the resin chop areas #1 and #2 and in manual operations at the facility (pounds).
  - iii. The 12-month rolling total of the amount of resin used in the resin chop areas #1 and #2 and in manual operations at the facility (pounds).
  - iv. The identification, VOC content and the HAP content of the clean-up solvent used in the emissions unit.
  - v. A record of which compliance option for 40 CFR Part 63, Subpart WWWW is being used for the resin chop areas and the manual resin operations. It is permitted to change compliance options; the permittee should notify the Iowa DNR - Air Quality Bureau in a compliance report if the compliance option has been changed.
- B. In accordance with §63.5895, the permittee shall collect and keep records of resin usage, organic HAP content, and operation where the resin is used. Resin usage records may be based on purchase records if it can be reasonably estimated how the resin is applied. The organic HAP content records may be based on MSDS or on resin specifications supplied by the resin supplier.
- C. The permittee shall maintain records on the maintenance performed on the dry filters. The permittee shall maintain records on when the filters are changed.

- D. Upon startup, the permittee shall comply with the Initial Compliance requirements of the Organic HAP Emission Limits from Table 8 of Subpart WWWW and with the Initial Compliance requirements for Work Practice Standards from Table 9 of Subpart WWWW.
- E. The permittee shall submit all notifications required by Table 13 of Subpart WWWW.
- F. The permittee shall submit all reports required by Table 14 of Subpart WWWW.
- G. The permittee shall retain records in accordance with §63.5915. Records required by Subpart WWWW must be retained for a minimum of five years.

Authority for Requirement: Iowa DNR Construction Permit 06-A-1309

**Emission Point Characteristics**

*The emission point shall conform to the specifications listed below.*

Stack Height, (ft, from the ground): 40  
 Stack Opening, (inches, dia.): 19  
 Exhaust Flow Rate (scfm): 8750  
 Exhaust Temperature (°F): 70  
 Discharge Style: Vertical Obstructed  
 Authority for Requirement: Iowa DNR Construction Permit 06-A-1309

The temperature and flow rate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

**Monitoring Requirements**

*The owner/operator of this equipment shall comply with the monitoring requirements listed below.*

- Agency Approved Operation & Maintenance Plan Required?**      Yes  No
- Facility Maintained Operation & Maintenance Plan Required?**      Yes  No
- Compliance Assurance Monitoring (CAM) Plan Required?**      Yes  No

## **Dry Filter Agency Operation and Maintenance Plan**

### **Weekly**

- Inspect the equipment for conditions that reduce the operating efficiency of the collection system. This will include a visual inspection of the condition of the filter material.
- Maintain a written record of the observation and any action resulting from the inspection.

### **Record Keeping and Reporting**

- Maintenance and inspection records will be kept for five years and available upon request.

### **Quality Control**

- The filter equipment will be operated and maintained according to the manufacturer's recommendations.

Authority for Requirement: 567 IAC 22.108(3)

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**Emission Point ID Number: EP- 2**

Associated Equipment

Associated Emission Unit ID Numbers : EU-2  
Emissions Control Equipment ID Number: CE-2  
Emissions Control Equipment Description: Dry filters

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Emission Unit vented through this Emission Point: EU-2  
Emission Unit Description: Resin Chop Area  
Raw Material/Fuel: Fiberglass, Resin, and Catalyst  
Rated Capacity: 1,000 lbs/day Resin

**Applicable Requirements**

**Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from this emission point shall not exceed the levels specified below.*

Pollutant: Opacity

<sup>(1)</sup>Emission Limit(s): 40%

Authority for Requirement: Iowa DNR Construction Permit 06-A-1310; 567 IAC 23.3(2)"d"

<sup>(1)</sup> An exceedance of the indicator opacity of (10%) will require the owner/operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedance. If exceedances continue after the corrections, the DNR may require additional proof to demonstrate compliance (e.g., stack testing).

Pollutant: PM<sub>10</sub>

<sup>(1)</sup>Emission Limit(s): 3.0 lb/hr

Authority for Requirement: Iowa DNR Construction Permit 06-A-1310

<sup>(1)</sup> Requested to avoid dispersion modeling.

Pollutant: Particulate Matter (PM)

Emission Limit(s): 0.1 gr/dscf, 3.0 lb/hr

Authority for Requirement: Iowa DNR Construction Permit 06-A-1310; 567 IAC 23.3(2)"a"

Pollutant: Volatile Organic Compound (VOC)

<sup>(1)(2)</sup>Emission Limit(s): 16.2 tons/yr

Authority for Requirement: Iowa DNR Construction Permit 06-A-1310

<sup>(1)</sup> Standards are a 12-month rolling total based on operating limits. Limits are for EP 1 and EP 2 combined.

<sup>(2)</sup> Includes VOC emissions from catalyst. Based on assumption that 2 lbs catalyst used per 100 lbs resin.

Pollutant: Total HAP

<sup>(1)(2)</sup>Emission Limit(s): 16.05 tons/yr

Authority for Requirement: Iowa DNR Construction Permit 06-A-1310; 567 IAC 23.1(4)"cw"; 40 CFR Part 63 Subpart WWWW

<sup>(1)</sup> Standards are a 12-month rolling total based on operating limits in Section 14. Limits are for EP 1 and EP 2 combined.

<sup>(2)</sup> The unit must meet the emission limits from Table 3 or Table 7 to Part 63, Subpart WWWW for open molding – non corrosion-resistant and/or high strength resin. Based on maximum HAP content of 38.5% and the equations from Table 1 of Subpart WWWW.

### **Operational Limits & Requirements**

*The owner/operator of this equipment shall comply with the operational limits and requirements listed below.*

#### **Operating Limits**

- A. The amount of resin used in emissions units EU-1 and EU-2 shall not exceed 729,600 pounds in any rolling 12-month period. This limit shall include the resin used at the facility for manual resin application (e.g. hand lay-up).
- B. The organic HAP content of the resin used in resin chop areas (EU-1 and EU-2) and in hand lay-up operations shall not exceed 38.5% by weight. This can be the weighted average of the organic HAP content of all resins used in a month in accordance with §63.5810(d).
- C. The spray gun used in the resin chop area #1 shall meet the definition of nonatomized mechanical resin application from §63.5935 of Part 63, Subpart WWWW. The spray gun must be operated according to the manufacturer's directions, including instructions to prevent the operation of the spray gun at excessive spray pressure.
- D. A maximum of one spray gun may be used in resin chop area #1 at any one time.
- E. The dry filters used in this emissions unit shall be operated and maintained in accordance with the recommendations of the manufacturer.
- F. The clean-up solvent used in this emissions unit shall contain no VOC.
- G. The facility must be in compliance at all times with the following work practice standards from Table 4 of subpart WWWW:
  - i. The permittee may not use cleaning solvents that contain HAP, except that styrene may be used as a cleaner in closed systems, and organic HAP containing cleaners may be used to clean cured resin from application equipment. Application equipment includes any equipment that directly contacts resin.
  - ii. The permittee must keep containers that store HAP-containing materials closed or covered except during the addition or removal of materials. Bulk HAP-containing materials storage tanks may be vented as necessary for safety.
  - iii. Mixers used to blend or agitate HAP-containing materials in vessels larger than 5.0 gallons shall meet the following requirements:

- a. A cover shall be used on the mixer with no visible gaps, except that gaps of up to 1 inch are permissible around mixer shafts and any required instrumentation;
- b. The mixer vents shall be kept closed when actual mixing is occurring except that venting is allowed during the addition of materials or as necessary prior to adding materials or opening the cover for safety; and
- c. The mixer covers shall be closed while actual mixing is occurring except when adding materials or changing covers to the mixing vessels.

### **Reporting and Recordkeeping**

- A. The permittee shall keep the following monthly records:
  - i. The identification and the HAP content of the resin used in this emissions unit.
  - ii. The amount of resin used in the resin chop areas #1 and #2 and in manual operations at the facility (pounds).
  - iii. The 12-month rolling total of the amount of resin used in the resin chop areas #1 and #2 and in manual operations at the facility (pounds).
  - iv. The identification, VOC content and the HAP content of the clean-up solvent used in the emissions unit.
  - v. A record of which compliance option for 40 CFR Part 63, Subpart WWWW is being used for the resin chop areas and the manual resin operations. It is permitted to change compliance options; the permittee should notify the Iowa DNR - Air Quality Bureau in a compliance report if the compliance option has been changed.
- B. In accordance with §63.5895, the permittee shall collect and keep records of resin use, organic HAP content, and operation where the resin is used. Resin use records may be based on purchase records if it can be reasonably estimated how the resin is applied. The organic HAP content records may be based on MSDS or on resin specifications supplied by the resin supplier.
- C. The permittee shall maintain records on the maintenance performed on the dry filters. The permittee shall maintained records on when the filters are changed.
- D. Upon startup, the permittee shall comply with the Initial Compliance requirements of the Organic HAP Emission Limits from Table 8 of Subpart WWWW and with the Initial Compliance requirements for Work Practice Standards from Table 9 of Subpart WWWW.
- E. The permittee shall submit all notifications required by Table 13 of Subpart WWWW.
- F. The permittee shall submit all reports required by Table 14 of Subpart WWWW.

G. The permittee shall retain records in accordance with §63.5915. Records required by Subpart WWWW must be retained for a minimum of five years.

Authority for Requirement: Iowa DNR Construction Permit 06-A-1310

**Emission Point Characteristics**

*The emission point shall conform to the specifications listed below.*

Stack Height, (ft, from the ground): 40

Stack Opening, (inches, dia.): 19

Exhaust Flow Rate (scfm): 8750

Exhaust Temperature (°F): 70

Discharge Style: Vertical Obstructed

Authority for Requirement: Iowa DNR Construction Permit 06-A-1310

The temperature and flow rate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

**Monitoring Requirements**

*The owner/operator of this equipment shall comply with the monitoring requirements listed below.*

**Agency Approved Operation & Maintenance Plan Required?**      Yes  No

**Facility Maintained Operation & Maintenance Plan Required?**      Yes  No

**Compliance Assurance Monitoring (CAM) Plan Required?**      Yes  No

**Dry Filter Agency Operation and Maintenance Plan**

**Weekly**

- Inspect the equipment for conditions that reduce the operating efficiency of the collection system. This will include a visual inspection of the condition of the filter material.
- Maintain a written record of the observation and any action resulting from the inspection.

**Record Keeping and Reporting**

- Maintenance and inspection records will be kept for five years and available upon request.

**Quality Control**

- The filter equipment will be operated and maintained according to the manufacturer's recommendations.

Authority for Requirement: 567 IAC 22.108(3)

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**Emission Point ID Number: EP-3**

Associated Equipment

Associated Emission Unit ID Numbers: EU- 3  
Emissions Control Equipment ID Number: CE-3  
Emissions Control Equipment Description: Dry filters

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Emission Unit vented through this Emission Point: EU-3  
Emission Unit Description: Gel Coat Spray Area  
Raw Material/Fuel: Gel coat  
Rated Capacity: 36 lbs/day Gel Coat

**Applicable Requirements**

**Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from this emission point shall not exceed the levels specified below.*

Pollutant: Opacity

<sup>(1)</sup>Emission Limit(s): 40%

Authority for Requirement: Iowa DNR Construction Permit 06-A-1311; 567 IAC 23.3(2)"d"

<sup>(1)</sup> An exceedance of the indicator opacity of (10%) will require the owner/operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedance. If exceedances continue after the corrections, the DNR may require additional proof to demonstrate compliance (e.g., stack testing).

Pollutant: PM<sub>10</sub>

Emission Limit(s): 0.86 lb/hr

Authority for Requirement: Iowa DNR Construction Permit 06-A-1311

Pollutant: Particulate Matter (PM)

Emission Limit(s): 0.01 gr/dscf

Authority for Requirement: Iowa DNR Construction Permit 06-A-1311; 567 IAC 23.4(13)

Pollutant: Volatile Organic Compound (VOC)

<sup>(1)</sup>Emission Limit(s): 14.3 tons/yr

Authority for Requirement: Iowa DNR Construction Permit 06-A-1311

Pollutant: Total HAP

<sup>(1)</sup>Emission Limit(s): 14.3 tons/yr

Authority for Requirement: Iowa DNR Construction Permit 06-A-1311; 567 IAC 23.1(4)"cw";  
40 CFR Part 63 Subpart WWWW

(1) The unit must meet the emission limits from Table 3 to Part 63, Subpart WWWW for open molding – gel coat: 440 lbs/ton for tooling gel coat, 267 lbs/ton for white/ off white pigmented gel coat, and 377 lbs/ton for other pigmented gel coat. Annual limit is based on highest HAP content limit for any gel coat.

### **Operational Limits & Requirements**

*The owner/operator of this equipment shall comply with the operational limits and requirements listed below.*

### **Operating Limits**

- A. The amount of gel coat used in this emissions unit shall not exceed 130,000 pounds in any rolling 12-month period. This limit shall include the gel coat used at the facility for manual gel coat application (e.g. hand lay-up).
- B. A maximum of one spray gun may be used in gel coat spray area at any one time.
- C. The dry filters used in this emissions unit shall be operated and maintained in accordance with the recommendations of the manufacturer.
- D. The clean-up solvent used in this emissions unit shall contain no VOC.
- E. The facility must be in compliance at all times with the following work practice standards from Table 4 of subpart WWWW:
  - i. The permittee may not use cleaning solvents that contain HAP, except that styrene may be used as a cleaner in closed systems, and organic HAP containing cleaners may be used to clean cured resin from application equipment. Application equipment includes any equipment that directly contacts resin.
  - ii. The permittee must keep containers that store HAP-containing materials closed or covered except during the addition or removal of materials. Bulk HAP-containing materials storage tanks may be vented as necessary for safety.
  - iii. Mixers used to blend or agitate HAP-containing materials in vessels larger than 5.0 gallons shall meet the following requirements:
    - a. A cover shall be used on the mixer with no visible gaps, except that gaps of up to 1 inch are permissible around mixer shafts and any required instrumentation;
    - b. The mixer vents shall be kept closed when actual mixing is occurring except that venting is allowed during the addition of materials or as necessary prior to adding materials or opening the cover for safety; and
    - c. The mixer covers shall be closed while actual mixing is occurring except when adding materials or changing covers to the mixing vessels.

### **Reporting and Recordkeeping**

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the DNR. Records shall be legible and maintained in an orderly manner.

- A. The permittee shall keep the following monthly records:
- i. The identification and the HAP content of the gel coat used in this emissions unit.
  - ii. The organic HAP emission factor for each gel coat used, determined in accordance with Table 1 to Subpart WWWW.
  - iii. The amount of gel coat used in the gel coat spray area and in manual gel coat operations at the facility (pounds).
  - iv. The 12-month rolling total of the amount of gel coat used in the gel coat spray area and in manual gel coat operations at the facility (pounds).
  - v. The identification, VOC content and the HAP content of the clean-up solvent used in the emissions unit.
  - vi. A record of which compliance option for 40 CFR Part 63, Subpart WWWW is being used for the gel coat spray area. It is permitted to change compliance options; the permittee should notify the Iowa DNR - Air Quality Bureau in a compliance report if the compliance option has been changed.
- B. In accordance with §63.5895, the permittee shall collect and keep records of gel coat use, organic HAP content, and operation where the gel coat is used. Gel coat use records may be based on purchase records if it can be reasonably estimated how the gel coat is applied. The organic HAP content records may be based on MSDS or on specifications supplied by the gel coat supplier.
- C. The permittee shall maintain records on the maintenance performed on the dry filters. The permittee shall maintained records on when the filters are changed.
- D. Upon startup, the permittee shall comply with the Initial Compliance requirements of the Organic HAP Emission Limits from Table 8 of Subpart WWWW and with the Initial Compliance requirements for Work Practice Standards from Table 9 of Subpart WWWW.
- E. The permittee shall submit all notifications required by Table 13 of Subpart WWWW.
- F. The permittee shall submit all reports required by Table 14 of Subpart WWWW.
- G. The permittee shall retain records in accordance with §63.5915. Records required by Subpart WWWW must be retained for a minimum of five years.

Authority for Requirements: Iowa DNR Construction Permit 06-A-1311

**Emission Point Characteristics**

*The emission point shall conform to the specifications listed below.*

- Stack Height, (ft, from the ground): 40
- Stack Opening, (inches, dia.): 28.5
- Exhaust Flow Rate (scfm): 17,500
- Exhaust Temperature (°F): 70
- Discharge Style: Vertical Obstructed
- Authority for Requirement: Iowa DNR Construction Permit 06-A-1311

The temperature and flow rate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

**Monitoring Requirements**

*The owner/operator of this equipment shall comply with the monitoring requirements listed below.*

- Agency Approved Operation & Maintenance Plan Required?**                      Yes  No
- Facility Maintained Operation & Maintenance Plan Required?**                      Yes  No
- Compliance Assurance Monitoring (CAM) Plan Required?**                      Yes  No

**Dry Filter Agency Operation and Maintenance Plan**

**Weekly**

- Inspect the equipment for conditions that reduce the operating efficiency of the collection system. This will include a visual inspection of the condition of the filter material.
- Maintain a written record of the observation and any action resulting from the inspection.

**Record Keeping and Reporting**

- Maintenance and inspection records will be kept for five years and available upon request.

**Quality Control**

- The filter equipment will be operated and maintained according to the manufacturer's recommendations.

Authority for Requirement: 567 IAC 22.108(3)

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**Emission Point ID Number: EP-4**

Associated Equipment

Associated Emission Unit ID Numbers: EU-4  
Emissions Control Equipment ID Number: CE-4  
Emissions Control Equipment Description: Dry filters

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Emission Unit vented through this Emission Point: EU-4  
Emission Unit Description: Paint Spray Booth  
Raw Material/Fuel: Gatorhyde, primer, topcoat, reducer, thinner, and hardener  
Rated Capacity: Varies

**Applicable Requirements**

**Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from this emission point shall not exceed the levels specified below.*

Pollutant: Opacity

<sup>(1)</sup>Emission Limit(s): 40%

Authority for Requirement: Iowa DNR Construction Permit 07-A-456-S1, 567 IAC 23.3(2)"d"

<sup>(1)</sup> An exceedance of the indicator opacity of (10%) will require the owner/operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedance. If exceedances continue after the corrections, the DNR may require additional proof to demonstrate compliance (e.g., stack testing).

Pollutant: PM<sub>10</sub>

Emission Limit(s): 2.06 lb/hr

Authority for Requirement: Iowa DNR Construction Permit 07-A-456-S1

Pollutant: Particulate Matter (PM)

Emission Limit(s): 0.01 gr/dscf

Authority for Requirement: Iowa DNR Construction Permit 07-A-456-S1, 567 IAC 23.4(13)

Pollutant: Volatile Organic Compound (VOC)

Emission Limit(s): 17.8 tons/yr

Authority for Requirement: Iowa DNR Construction Permit 07-A-456-S1

Pollutant: Total HAP for Metal Coating

<sup>(1)</sup>Emission Limit(s): 1.9 lbs organic HAP/gal coating solids

Authority for Requirement: Iowa DNR Construction Permit 07-A-456-S1; 567 IAC 23.1(3)"cm"

(1) The limit for coating metal parts is 1.9 pounds organic HAPs per gallon coating solids used during each 12-month period.

Pollutant: Total HAP for Plastic Coating

<sup>(1)</sup>Emission Limit(s): 0.16 lb organic HAP/ lb solids

Authority for Requirement: Iowa DNR Construction Permit 07-A-456-S1; 567 IAC 23.1(3)"cp"

<sup>(1)</sup> The limit for coating plastic parts is 0.16 pound organic HAPs per pound solids for each 12-month period.

### **Operational Limits & Requirements**

*The owner/operator of this equipment shall comply with the operational limits and requirements listed below.*

#### **Operating Limits**

- A. With the exception of polyurea coatings (e.g. GatorHyde), the VOC content of any material (i.e. coatings, thinners, cleaning solvents) used in the surface coating of metal parts shall not exceed 8.0 pounds per gallon.
- B. The VOC content of polyurea coatings (e.g. GatorHyde) used in this emissions unit shall not exceed 1.0 pound per gallon.
- C. The VOC content of primer coatings used in the surface coating of plastic parts shall not exceed 8.0 pounds per gallon.
- D. The cleanup and thinning solvent used for the coating of plastic parts shall be acetone or some other solvent that is not a VOC by definition.
- E. With the exception of polyurea coatings (e.g. GatorHyde) the amount of material used in the surface coating of metal parts shall not exceed 3,000 gallons in any rolling 12- month period.
- F. The amount of polyurea coatings used in this emissions unit (e.g. GatorHyde) shall not exceed 10,000 gallons in any rolling 12-month period.
- G. The amount of primer coatings used in the surface coating of plastic parts shall not exceed 200 gallons in any rolling 12-month period.
- H. The permittee shall maintain the dry filters in accordance with the manufacturer's specifications and maintenance schedule.
- I. For 40 CFR Part 63, Subpart MMMM, the permittee must follow either compliance option (a) (Compliant Material Option) or compliance option (b) (Emission Rate Without Add-on Controls Option) from §63.3891. The permittee is not required to meet any work practice standards in accordance with §63.3893 (a).
- J. For 40 CFR Part 63, Subpart PPPP, the permittee must follow either compliance option (a) (Compliant Material Option) or compliance option (b) (Emission Rate Without Add-on Controls Option) from §63.4491. The permittee is not required to meet any work

practice standards in accordance with §63.4493 (a).

### **Reporting and Recordkeeping**

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the DNR. Records shall be legible and maintained in an orderly manner. These records shall show the following:

- A. The permittee shall maintain records on the identification, the VOC content and the HAP content of each material used in this emissions unit.
- B. The permittee shall maintain the following monthly records:
  - i. The amount of material (i.e. coatings, thinners, cleaning solvents) used in the surface coating of metal parts, not including polyurea coatings (e.g. GatorHyde);
  - ii. The rolling 12-month total of the amount of material used in the surface coating of metal parts, not including polyurea coatings (e.g. GatorHyde);
  - iii. The amount of polyurea coatings used in the emissions unit (e.g. GatorHyde);
  - iv. The rolling 12-month total of the amount of polyurea coatings used in the emissions unit;
  - v. The amount of primer coatings used in the surface coating of plastic parts; and
  - vi. The rolling 12-month total of the amount of primer coatings used in the surface coating of plastic parts.
- C. The permittee shall maintain records on any maintenance done on the dry filters.
- D. In accordance with 40 CFR Part 63, Subpart Mmmm, the permittee shall:
  - a. submit the necessary notifications in accordance with §63.3910;
  - b. submit the necessary reports in accordance with §63.3920;<sup>1</sup>
  - c. maintain the necessary records in accordance with § 63.3930 and § 63.3931; and
  - d. comply with the requirements in §63.3940 through §63.3942 if using the Compliant Material Option or comply with the requirements in §63.3950, through §63.3952 if using the Emission Rate Without Add-on Controls Option.
- D. In accordance with 40 CFR Part 63, Subpart Pppp, the permittee shall:
  - a. submit the necessary notifications in accordance with §63.4510;
  - b. submit the necessary reports in accordance with §63.4520;<sup>1</sup>
  - c. maintain the necessary records in accordance with § 63.4530 and § 63.4531; and
  - d. comply with the requirements in §63.4540 through §63.4542 if using the Compliant

Material Option or comply with the requirements in §63.4550 through §63.4552 if using the Emission Rate Without Add-on Controls Option.

<sup>1</sup>If the compliance option is switched during a reporting period, the permittee must report the beginning and ending dates for each compliance option used.

Authority for Requirement: Iowa DNR Construction Permit 07-A-456-S1

### **Emission Point Characteristics**

*The emission point shall conform to the specifications listed below.*

Stack Height, (ft, from the ground): 30.5

Stack Opening, (inches, dia.): 36

Exhaust Flow Rate (scfm): 24,000

Exhaust Temperature (°F): 70

Discharge Style: Vertical Unobstructed

Authority for Requirement: Iowa DNR Construction Permit 07-A-456-S1

The temperature and flow rate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

### **Monitoring Requirements**

*The owner/operator of this equipment shall comply with the monitoring requirements listed below.*

This unit is subject to the requirements of 40 CFR Part 63, Subpart M MMM, National Emission Standards for Hazardous Air Pollutants: Surface Coating of Miscellaneous Metal Parts and Products (567 IAC 23.1(4) "cm"). In accordance with §63.3882, the facility meets the definition of a new affected source that is used for surface coating of miscellaneous metal products. The initial compliance date for a new affected source is upon startup of this unit for coating metal parts. The parts of the plant covered by this standard are listed in §63.3882. The unit is also subject to the applicable requirements of the General Provisions (§§ 63.1 through 63.15) per Table 2 to Part 63, Subpart M MMM.

This unit is subject to the requirements of 40 CFR Part 63, Subpart P PPP, National Emission Standards for Hazardous Air Pollutants for Surface Coating of Plastic Parts and Products (567 IAC 23.1(4) "cp"). In accordance with §63.4482, the facility meets the definition of a new affected source that is used for surface coating of plastic products. The initial compliance date for a new affected source is upon startup of this unit for the coating of plastic parts. The parts of the plant covered by this standard are listed in §63.4482(b). The unit is also subject to the applicable requirements of the General Provisions (§§ 63.1 through 63.15) per Table 2 to Part 63, Subpart P PPP.

**Agency Approved Operation & Maintenance Plan Required?** Yes  No

**Facility Maintained Operation & Maintenance Plan Required?** Yes  No

**Compliance Assurance Monitoring (CAM) Plan Required?** Yes  No

### **Dry Filter Agency Operation and Maintenance Plan**

#### **Weekly**

- Inspect the equipment for conditions that reduce the operating efficiency of the collection system. This will include a visual inspection of the condition of the filter material.
- Maintain a written record of the observation and any action resulting from the inspection.

#### **Record Keeping and Reporting**

- Maintenance and inspection records will be kept for five years and available upon request.

#### **Quality Control**

- The filter equipment will be operated and maintained according to the manufacturer's recommendations.

Authority for Requirement: 567 IAC 22.108(3)

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**Emission Point ID Number: EP-5A, 5B, 5C**

Associated Equipment

Associated Emission Unit ID Numbers: EU-5

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Emission Unit vented through this Emission Point: EU-5  
Emission Unit Description: Recycled Fiberglass Board Press Room  
Raw Material/Fuel: Resin  
Rated Capacity Press 1: 2,448 lbs resin/day  
Rated Capacity Press 2: 2,160 lbs resin/day

**Applicable Requirements**

**Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from this emission point shall not exceed the levels specified below.*

Pollutant: Volatile Organic Compounds  
Emission Limit(s): 3.4 tons/yr  
Authority for Requirement: Iowa DNR Construction Permit 08-A-430-S1

**Operational Limits & Requirements**

*The owner/operator of this equipment shall comply with the operational limits and requirements listed below.*

**Operating Limits**

Operating limits for this emission unit shall be:

- A. The amount of resin used in the two recycled board presses shall not exceed 372,000 pounds in any rolling 12-month period.
- B. The VOC and total HAP content of the resin shall not exceed 46% by weight.
- C. The cleanup solvent used on the board presses shall be acetone or some other solvent that is not a VOC by definition.
- D. In accordance with Table 4 to Subpart WWWW, the permittee shall comply with the following work practice requirements:
  - a. uncover, unwrap or expose only one charge per mold cycle per compression/injection molding machine (i.e. board press). For machines with multiple molds, one charge means sufficient material to fill all molds for one

cycle. For machines with robotic loaders, no more than one charge may be exposed prior to the loader. For machines fed by hoppers, sufficient material may be uncovered to fill the hopper. Hoppers must be closed when not adding materials. Materials may be uncovered to feed to slitting machines. Materials must be recovered after slitting.

- b. Not use cleaning solvents that contain HAP, except that styrene may be used as a cleaner in closed systems, and organic HAP containing cleaners may be used to clean cured resin from application equipment. Applicant equipment includes any equipment that directly contacts resin.
- c. Keep containers that store HAP-containing materials closed or covered except during the addition or removal of materials. Bulk HAP-containing materials storage tanks may be vented as necessary for safety.
- d. For any mixer with a vessel capacity of 5 gallons or greater,
  - i. Use mixer covers with no visible gaps present in the mixer covers, except that gaps of up to 1 inch are permissible around mixer shafts and any required instrumentation;
  - ii. Close any mixer vents when actual mixing is occurring, except that venting is allowed during addition of materials, or as necessary prior to adding materials or opening the cover for safety; and
  - iii. Keep the mixer covers closed while actual mixing is occurring except when adding materials or changing covers to the mixing vessels.

### **Reporting and Recordkeeping**

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the DNR. Records shall be legible and maintained in an orderly manner. These records shall show the following:

- A. The permittee shall maintain records on the identification, the VOC content and the HAP content of any material used in this process.
- B. The permittee shall keep the following monthly records:
  - i. The amount of resin used in the board room presses; and
  - ii. the rolling 12-month total of the amount of resin used in the board room presses.
- C. The permittee shall submit the reports required by §63.5910 and Table 14 of Subpart WWW.
- D. The permittee shall maintain records as required by §63.5915. Records required by

Subpart WWWW must be kept on-site a minimum of 2 years and 5 years in total.

Authority for Requirement: Iowa DNR Construction Permit 08-A-430-S1

**Emission Point Characteristics**

*The emission point shall conform to the specifications listed below.*

Stack Height, (ft, from the ground): 9

Stack Opening, (inches): 24x24

Exhaust Flow Rate (scfm): 3,500\*

Exhaust Temperature (°F): 70

Discharge Style: Downward

Authority for Requirement: Iowa DNR Construction Permit 08-A-430-S1

\* There are three identical sidewall fans, each with an exhaust flow rate of 3500 scfm.

The temperature and flow rate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

**Monitoring Requirements**

*The owner/operator of this equipment shall comply with the monitoring requirements listed below.*

**NESHAP**

These emissions units are subject to the requirements of 40 CFR Part 63, Subpart WWWW, National Emission Standards for Hazardous Air Pollutants: Reinforced Plastic Composites Production (567 IAC 23.1(4)“cw”). In accordance with §63.5935, the board press operation meets the definition of closed molding process used to make reinforced plastic parts. It has also been determined that the board presses meet the definition of compression molding as defined in §63.5935. The facility is a new affected source as defined in §63.5795. The compliance date for a new affected source is upon startup. There are no HAP emission limits for this process. The unit must comply with any applicable work practice standard from Table 4 of the standard. The unit is also subject to the applicable requirements of the General Provisions (§§ 63.1 through 63.15) per Table 15 to Part 63, Subpart WWWW.

Authority for Requirement: Iowa DNR Construction Permit 08-A-430-S1

**Agency Approved Operation & Maintenance Plan Required?**      Yes  No

**Facility Maintained Operation & Maintenance Plan Required?**      Yes  No

**Compliance Assurance Monitoring (CAM) Plan Required?**

Yes  No

Authority for Requirement: 567 IAC 22.108(3)

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**Emission Point ID Number: EP-6**

Associated Equipment

Associated Emission Unit ID Numbers: EU-6

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Emission Unit vented through this Emission Point: EU-6  
Emission Unit Description: Closed Cavity Bag Molding Area  
Raw Material/Fuel: Resin  
Rated Capacity: 1,400 lbs resin/hr

**Applicable Requirements**

**Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from this emission point shall not exceed the levels specified below.*

Pollutant: Volatile Organic Compounds (VOC)

<sup>(1)</sup>Emission Limit(s): 3.07 tons/yr

Authority for Requirement: Iowa DNR Construction Permit 09-A-108

<sup>(1)</sup>Limit established to limit unit's potential. VOC limit is based on operating limits from Section 14 and an emission factor of 3% of the monomer in the resin (based on the upper limit for a Closed Molding Operation in AP-42, Table 4.4-2).

**Operational Limits & Requirements**

*The owner/operator of this equipment shall comply with the operational limits and requirements listed below.*

**Process throughput:**

- A. The amount of resin used in the closed cavity bag molding operation shall not exceed 500,000 pounds in any rolling 12-month period.

**Work practice standards:**

- A. The total HAP content of the resin shall not exceed 40% by weight.
- B. The cleanup solvent used in the closed cavity bag molding shall be acetone or some other solvent that is not a VOC by definition.
- C. In accordance with Table 4 to Subpart WWWW, the permittee shall keep containers that store HAP-containing materials closed or covered except during the addition or removal of materials.

**Reporting & Record keeping:**

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the DNR. Records shall be legible and maintained in an orderly manner. These records shall show the following:

- A. The permittee shall maintain records on the identification, the VOC content and the HAP content of any material used in this process.
- B. The permittee shall keep the following monthly records:
  - iii. The amount of resin used in the closed cavity bag molding operation; and
  - iv. the rolling 12-month total of the amount of resin used in the closed cavity bag molding operation.

Authority for Requirement: Iowa DNR Construction Permit 09-A-108

**Emission Point Characteristics**

*The emission point shall conform to the specifications listed below.*

Unit vents inside the building

Authority for Requirement: Iowa DNR Construction Permit 09-A-108

The temperature and flow rate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

**Monitoring Requirements**

*The owner/operator of this equipment shall comply with the monitoring requirements listed below.*

This unit is subject to the requirements of 40 CFR Part 63, Subpart WWWW, National Emission Standards for Hazardous Air Pollutants: Reinforced Plastic Composites Production (567 IAC 23.1(4)“cw”). In accordance with §63.5935, the closed cavity bag molding operation meets the definition of closed molding process used to make reinforced plastic parts. The facility is an new affected source as defined in §63.5795. The compliance date for a new affected source is upon startup. There are no HAP emission limits for this process. The unit must comply with any work practice standard from Table 4 of the standard. The unit is also subject to the applicable requirements of the General Provisions (§§ 63.1 through 63.15) per Table 15 to Part 63, Subpart WWWW.

**Agency Approved Operation & Maintenance Plan Required?**      Yes  No

**Facility Maintained Operation & Maintenance Plan Required?**

Yes  No

**Compliance Assurance Monitoring (CAM) Plan Required?**

Yes  No

Authority for Requirement: 567 IAC 22.108(3)

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**Emission Point ID Number: EP-7**

Associated Equipment

Associated Emission Unit ID Numbers: EU-7  
Emissions Control Equipment ID Number: CE-7  
Emissions Control Equipment Description: Cyclone & Fabric Filter

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Emission Unit vented through this Emission Point: EU-7  
Emission Unit Description: Grinding/sanding booth located in Board Press Room  
Raw Material/Fuel: Fiberglass board  
Rated Capacity:

**Applicable Requirements**

**Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from this emission point shall not exceed the levels specified below.*

Pollutant: Opacity

<sup>(1)</sup>Emission Limit(s): 40%

Authority for Requirement: Iowa DNR Construction Permit 09-A-025; 567 IAC 23.3(2)"d"

<sup>(1)</sup>An exceedance of the indicator opacity of (10%) will require the owner/operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedance. If exceedances continue after the corrections, the DNR may require additional proof to demonstrate compliance (e.g., stack testing).

Pollutant: Particulate Matter (PM)

Emission Limit(s): 0.1 gr/dscf

Authority for Requirement: Iowa DNR Construction Permit 09-A-025; 567 IAC 23.3(2)"a"

**Operational Limits & Requirements**

*The owner/operator of this equipment shall comply with the operational limits and requirements listed below.*

**Control equipment parameters:**

- A. The control equipment shall be operated and maintained in accordance with the recommendations of the manufacturer.

**Reporting & Record keeping:**

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the DNR. Records shall be legible and maintained in an orderly manner. These records shall show the following:

A. The permittee shall maintain records on the maintenance performed on the control equipment.

Authority for Requirement: Iowa DNR Construction Permit 09-A-025

**Emission Point Characteristics**

*The emission point shall conform to the specifications listed below.*

Stack Height, (ft, from the ground): Unit vents inside the building

Stack Opening, (inches, dia.): NA

Exhaust Flow Rate (scfm): 1,654

Exhaust Temperature (°F): NA

Discharge Style: NA

Authority for Requirement: Iowa DNR Construction Permit 09-A-025

The temperature and flow rate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

**Monitoring Requirements**

*The owner/operator of this equipment shall comply with the monitoring requirements listed below.*

**Agency Approved Operation & Maintenance Plan Required?**      Yes  No

**Facility Maintained Operation & Maintenance Plan Required?**      Yes  No

**Compliance Assurance Monitoring (CAM) Plan Required?**      Yes  No

*Facility operation and maintenance plans must be sufficient to yield reliable data from the relevant time period that are representative of the source's compliance with the applicable requirements.*

*Facility operation and maintenance plans are to be developed by the facility within six(6) months of the issuance date of this permit and the data pertaining to the plan maintained on site for at least 5 years. The plan and associated recordkeeping provides documentation of this facility's implementation of its obligation to operate according to good air pollution control practice.*

*Good air pollution control practice is achieved by adoption of quality control standards in the operation and maintenance procedures for air pollution control that are comparable to industry quality control standards for the production processes associated with this emission point.*

Authority for Requirement: 567 IAC 22.108(3)

## **IV. General Conditions**

This permit is issued under the authority of the Iowa Code subsection 455B.133(8) and in accordance with 567 Iowa Administrative Code chapter 22.

### **G1. Duty to Comply**

1. The permittee must comply with all conditions of the Title V permit. Any permit noncompliance constitutes a violation of the Act and is grounds for enforcement action; for a permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. *567 IAC 22.108(9)"a"*
2. Any compliance schedule shall be supplemental to, and shall not sanction noncompliance with, the applicable requirements on which it is based. *567 IAC 22.105 (2)"h"(3)*
3. Where an applicable requirement of the Act is more stringent than an applicable requirement of regulations promulgated under Title IV of the Act, both provisions shall be enforceable by the administrator and are incorporated into this permit. *567 IAC 22.108 (1)"b"*
4. Unless specified as either "state enforceable only" or "local program enforceable only", all terms and conditions in the permit, including provisions to limit a source's potential to emit, are enforceable by the administrator and citizens under the Act. *567 IAC 22.108 (14)*
5. It shall not be a defense for a permittee, in an enforcement action, that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit. *567 IAC 22.108 (9)"b"*

### **G2. Permit Expiration**

1. Except as provided in 567 IAC 22.104, the expiration of this permit terminates the permittee's right to operate unless a timely and complete application has been submitted for renewal. Any testing required for renewal shall be completed before the application is submitted. *567 IAC 22.116(2)*
2. To be considered timely, the owner, operator, or designated representative (where applicable) of each source required to obtain a Title V permit shall present or mail the Air Quality Bureau, Iowa Department of Natural Resources, Air Quality Bureau, 7900 Hickman Rd, Suite #1, Urbandale, Iowa 50322, two copies (three if your facility is located in Linn or Polk county) of a complete permit application, at least 6 months but not more than 18 months prior to the date of permit expiration. An additional copy must also be sent to EPA Region VII, Attention: Chief of Air Permits, 901 N. 5th St., Kansas City, KS 66101. The application must include all emission points, emission units, air pollution control equipment, and monitoring devices at the facility. All emissions generating activities, including fugitive emissions, must be included. The definition of a complete application is as indicated in 567 IAC 22.105(2). *567 IAC 22.105*

### **G3. Certification Requirement for Title V Related Documents**

Any application, report, compliance certification or other document submitted pursuant to this permit shall contain certification by a responsible official of truth, accuracy, and completeness. All certifications shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. *567 IAC 22.107 (4)*

### **G4. Annual Compliance Certification**

By March 31 of each year, the permittee shall submit compliance certifications for the previous calendar year. The certifications shall include descriptions of means to monitor the compliance status of all emissions sources including emissions limitations, standards, and work practices in accordance with applicable requirements. The certification for a source shall include the

identification of each term or condition of the permit that is the basis of the certification; the compliance status; whether compliance was continuous or intermittent; the method(s) used for determining the compliance status of the source, currently and over the reporting period consistent with all applicable department rules. For sources determined not to be in compliance at the time of compliance certification, a compliance schedule shall be submitted which provides for periodic progress reports, dates for achieving activities, milestones, and an explanation of why any dates were missed and preventive or corrective measures. The compliance certification shall be submitted to the administrator, director, and the appropriate DNR Field office. *567 IAC 22.108 (15)"e"*

#### **G5. Semi-Annual Monitoring Report**

By March 31 and September 30 of each year, the permittee shall submit a report of any monitoring required under this permit for the 6 month periods of July 1 to December 31 and January 1 to June 30, respectively. All instances of deviations from permit requirements must be clearly identified in these reports, and the report must be signed by a responsible official, consistent with *567 IAC 22.107(4)*. The semi-annual monitoring report shall be submitted to the director and the appropriate DNR Field office. *567 IAC 22.108 (5)*

#### **G6. Annual Fee**

1. The permittee is required under subrule *567 IAC 22.106* to pay an annual fee based on the total tons of actual emissions of each regulated air pollutant. Beginning July 1, 1996, Title V operating permit fees will be paid on July 1 of each year. The fee shall be based on emissions for the previous calendar year.
2. The fee amount shall be calculated based on the first 4,000 tons of each regulated air pollutant emitted each year. The fee to be charged per ton of pollutant will be available from the department by June 1 of each year. The Responsible Official will be advised of any change in the annual fee per ton of pollutant.
3. The following forms shall be submitted annually by March 31 documenting actual emissions for the previous calendar year.
  - a. Form 1.0 "Facility Identification";
  - b. Form 4.0 "Emissions unit-actual operations and emissions" for each emission unit;
  - c. Form 5.0 "Title V annual emissions summary/fee"; and
  - d. Part 3 "Application certification."
4. The fee shall be submitted annually by July 1. The fee shall be submitted with the following forms:
  - a. Form 1.0 "Facility Identification";
  - b. Form 5.0 "Title V annual emissions summary/fee";
  - c. Part 3 "Application certification."
5. If there are any changes to the emission calculation form, the department shall make revised forms available to the public by January 1. If revised forms are not available by January 1, forms from the previous year may be used and the year of emissions documented changed. The department shall calculate the total statewide Title V emissions for the prior calendar year and make this information available to the public no later than April 30 of each year.
6. Phase I acid rain affected units under section 404 of the Act shall not be required to pay a fee for emissions which occur during the years 1993 through 1999 inclusive.
7. The fee for a portable emissions unit or stationary source which operates both in Iowa and out of state shall be calculated only for emissions from the source while operating in Iowa.

8. Failure to pay the appropriate Title V fee represents cause for revocation of the Title V permit as indicated in 567 IAC 22.115(1)"d".

### **G7. Inspection of Premises, Records, Equipment, Methods and Discharges**

Upon presentation of proper credentials and any other documents as may be required by law, the permittee shall allow the director or the director's authorized representative to:

1. Enter upon the permittee's premises where a Title V source is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit;
2. Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;
3. Inspect, at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit; and
4. Sample or monitor, at reasonable times, substances or parameters for the purpose of ensuring compliance with the permit or other applicable requirements. *567 IAC 22.108 (15)"b"*

### **G8. Duty to Provide Information**

The permittee shall furnish to the director, within a reasonable time, any information that the director may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee also shall furnish to the director copies of records required to be kept by the permit, or for information claimed to be confidential, the permittee shall furnish such records directly to the administrator of EPA along with a claim of confidentiality. *567 IAC 22.108 (9)"e"*

### **G9. General Maintenance and Repair Duties**

The owner or operator of any air emission source or control equipment shall:

1. Maintain and operate the equipment or control equipment at all times in a manner consistent with good practice for minimizing emissions.
2. Remedy any cause of excess emissions in an expeditious manner.
3. Minimize the amount and duration of any excess emission to the maximum extent possible during periods of such emissions. These measures may include but not be limited to the use of clean fuels, production cutbacks, or the use of alternate process units or, in the case of utilities, purchase of electrical power until repairs are completed.
4. Schedule, at a minimum, routine maintenance of equipment or control equipment during periods of process shutdowns to the maximum extent possible. *567 IAC 24.2(1)*

### **G10. Recordkeeping Requirements for Compliance Monitoring**

1. In addition to any source specific recordkeeping requirements contained in this permit, the permittee shall maintain the following compliance monitoring records, where applicable:

- a. The date, place and time of sampling or measurements
- b. The date the analyses were performed.
- c. The company or entity that performed the analyses.
- d. The analytical techniques or methods used.
- e. The results of such analyses; and
- f. The operating conditions as existing at the time of sampling or measurement.
- g. The records of quality assurance for continuous compliance monitoring systems (including but not limited to quality control activities, audits and calibration drifts.)

2. The permittee shall retain records of all required compliance monitoring data and support information for a period of at least 5 years from the date of compliance monitoring sample, measurement report or application. Support information includes all calibration and maintenance records and all original strip chart recordings for continuous compliance monitoring, and copies of all reports required by the permit.

3. For any source which in its application identified reasonably anticipated alternative operating scenarios, the permittee shall:
  - a. Comply with all terms and conditions of this permit specific to each alternative scenario.
  - b. Maintain a log at the permitted facility of the scenario under which it is operating.
  - c. Consider the permit shield, if provided in this permit, to extend to all terms and conditions under each operating scenario. *567 IAC 22.108(4), 567 IAC 22.108(12)*

**G11. Evidence used in establishing that a violation has or is occurring.**

Notwithstanding any other provisions of these rules, any credible evidence may be used for the purpose of establishing whether a person has violated or is in violation of any provisions herein.

1. Information from the use of the following methods is presumptively credible evidence of whether a violation has occurred at a source:

- a. A monitoring method approved for the source and incorporated in an operating permit pursuant to *567 Chapter 22*;
  - b. Compliance test methods specified in *567 Chapter 25*; or
  - c. Testing or monitoring methods approved for the source in a construction permit issued pursuant to *567 Chapter 22*.
2. The following testing, monitoring or information gathering methods are presumptively credible testing, monitoring, or information gathering methods:
    - a. Any monitoring or testing methods provided in these rules; or
    - b. Other testing, monitoring, or information gathering methods that produce information comparable to that produced by any method in subrule 21.5(1) or this subrule. *567 IAC 21.5(1)-567 IAC 21.5(2)*

**G12. Prevention of Accidental Release: Risk Management Plan Notification and Compliance Certification**

If the permittee is required to develop and register a risk management plan pursuant to section 112(r) of the Act, the permittee shall notify the department of this requirement. The plan shall be filed with all appropriate authorities by the deadline specified by EPA. A certification that this risk management plan is being properly implemented shall be included in the annual compliance certification of this permit. *567 IAC 22.108(6)*

**G13. Hazardous Release**

The permittee must report any situation involving the actual, imminent, or probable release of a hazardous substance into the atmosphere which, because of the quantity, strength and toxicity of the substance, creates an immediate or potential danger to the public health, safety or to the environment. A verbal report shall be made to the department at (515) 281-8694 and to the local police department or the office of the sheriff of the affected county as soon as possible but not later than six hours after the discovery or onset of the condition. This verbal report must be followed up with a written report as indicated in *567 IAC 131.2(2)*. *567 IAC Chapter 131-State Only*

**G14. Excess Emissions and Excess Emissions Reporting Requirements**

1. Excess Emissions. Excess emission during a period of startup, shutdown, or cleaning of control equipment is not a violation of the emission standard if the startup, shutdown or cleaning is accomplished expeditiously and in a manner consistent with good practice for minimizing emissions. Cleaning of control equipment which does not require the shutdown of the process

equipment shall be limited to one six-minute period per one-hour period. An incident of excess emission (other than an incident during startup, shutdown or cleaning of control equipment) is a violation. If the owner or operator of a source maintains that the incident of excess emission was due to a malfunction, the owner or operator must show that the conditions which caused the incident of excess emission were not preventable by reasonable maintenance and control measures. Determination of any subsequent enforcement action will be made following review of this report. If excess emissions are occurring, either the control equipment causing the excess emission shall be repaired in an expeditious manner or the process generating the emissions shall be shutdown within a reasonable period of time. An expeditious manner is the time necessary to determine the cause of the excess emissions and to correct it within a reasonable period of time. A reasonable period of time is eight hours plus the period of time required to shut down the process without damaging the process equipment or control equipment. In the case of an electric utility, a reasonable period of time is eight hours plus the period of time until comparable generating capacity is available to meet consumer demand with the affected unit out of service, unless, the director shall, upon investigation, reasonably determine that continued operation constitutes an unjustifiable environmental hazard and issue an order that such operation is not in the public interest and require a process shutdown to commence immediately.

## 2. Excess Emissions Reporting

a. Oral Reporting of Excess Emissions. An incident of excess emission (other than an incident of excess emission during a period of startup, shutdown, or cleaning) shall be reported to the appropriate field office of the department within eight hours of, or at the start of the first working day following the onset of the incident. The reporting exemption for an incident of excess emission during startup, shutdown or cleaning does not relieve the owner or operator of a source with continuous monitoring equipment of the obligation of submitting reports required in 567-subrule 25.1(6). An oral report of excess emission is not required for a source with operational continuous monitoring equipment (as specified in 567-subrule 25.1(1) ) if the incident of excess emission continues for less than 30 minutes and does not exceed the applicable emission standard by more than 10 percent or the applicable visible emission standard by more than 10 percent opacity. The oral report may be made in person or by telephone and shall include as a minimum the following:

- i. The identity of the equipment or source operation from which the excess emission originated and the associated stack or emission point.
- ii. The estimated quantity of the excess emission.
- iii. The time and expected duration of the excess emission.
- iv. The cause of the excess emission.
- v. The steps being taken to remedy the excess emission.
- vi. The steps being taken to limit the excess emission in the interim period.

b. Written Reporting of Excess Emissions. A written report of an incident of excess emission shall be submitted as a follow-up to all required oral reports to the department within seven days of the onset of the upset condition, and shall include as a minimum the following:

- i. The identity of the equipment or source operation point from which the excess emission originated and the associated stack or emission point.
- ii. The estimated quantity of the excess emission.
- iii. The time and duration of the excess emission.

- iv. The cause of the excess emission.
- v. The steps that were taken to remedy and to prevent the recurrence of the incident of excess emission.
- vi. The steps that were taken to limit the excess emission.
- vii. If the owner claims that the excess emission was due to malfunction, documentation to support this claim. *567 IAC 24.1(1)-567 IAC 24.1(4)*

3. Emergency Defense for Excess Emissions. For the purposes of this permit, an “emergency” means any situation arising from sudden and reasonably unforeseeable events beyond the control of the source, including acts of God, which requires immediate corrective action to restore normal operation, and that causes the source to exceed a technology-based emission limitation under the permit due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include non-compliance, to the extent caused by improperly designed equipment, lack of preventive maintenance, careless or improper operation or operator error. An emergency constitutes an affirmative defense to an action brought for non-compliance with technology based limitations if it can be demonstrated through properly signed contemporaneous operating logs or other relevant evidence that:

- a. An emergency occurred and that the permittee can identify the cause(s) of the emergency;
- b. The facility at the time was being properly operated;
- c. During the period of the emergency, the permittee took all reasonable steps to minimize levels of emissions that exceeded the emissions standards or other requirements of the permit; and
- d. The permittee submitted notice of the emergency to the director by certified mail within two working days of the time when the emissions limitations were exceeded due to the emergency. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken. *567 IAC 22.108(16)*

**G15. Permit Deviation Reporting Requirements**

A deviation is any failure to meet a term, condition or applicable requirement in the permit. Reporting requirements for deviations that result in a hazardous release or excess emissions have been indicated above (see G13 and G14). Unless more frequent deviation reporting is specified in the permit, any other deviation shall be documented in the semi-annual monitoring report and the annual compliance certification (see G4 and G5). *567 IAC 22.108(5)"b"*

**G16. Notification Requirements for Sources That Become Subject to NSPS and NESHAP Regulations**

During the term of this permit, the permittee must notify the department of any source that becomes subject to a standard or other requirement under 567-subrule 23.1(2) (standards of performance of new stationary sources) or section 111 of the Act; or 567-subrule 23.1(3) (emissions standards for hazardous air pollutants), 567-subrule 23.1(4) (emission standards for hazardous air pollutants for source categories) or section 112 of the Act. This notification shall be submitted in writing to the department pursuant to the notification requirements in 40 CFR Section 60.7, 40 CFR Section 61.07, and/or 40 CFR Section 63.9. *567 IAC 23.1(2), 567 IAC 23.1(3), 567 IAC 23.1(4)*

**G17. Requirements for Making Changes to Emission Sources That Do Not Require Title V Permit Modification**

1. Off Permit Changes to a Source. Pursuant to section 502(b)(10) of the CAAA, the permittee may make changes to this installation/facility without revising this permit if:

- a. The changes are not major modifications under any provision of any program required by section 110 of the Act, modifications under section 111 of the act, modifications under section 112 of the act, or major modifications as defined in 567 IAC Chapter 22.
- b. The changes do not exceed the emissions allowable under the permit (whether expressed therein as a rate of emissions or in terms of total emissions);
- c. The changes are not modifications under any provisions of Title I of the Act and the changes do not exceed the emissions allowable under the permit (whether expressed therein as a rate of emissions or as total emissions);
- d. The changes are not subject to any requirement under Title IV of the Act.
- e. The changes comply with all applicable requirements.
- f. For such a change, the permitted source provides to the department and the administrator by certified mail, at least 30 days in advance of the proposed change, a written notification, including the following, which must be attached to the permit by the source, the department and the administrator:
  - i. A brief description of the change within the permitted facility,
  - ii. The date on which the change will occur,
  - iii. Any change in emission as a result of that change,
  - iv. The pollutants emitted subject to the emissions trade
  - v. If the emissions trading provisions of the state implementation plan are invoked, then Title V permit requirements with which the source shall comply; a description of how the emissions increases and decreases will comply with the terms and conditions of the Title V permit.
  - vi. A description of the trading of emissions increases and decreases for the purpose of complying with a federally enforceable emissions cap as specified in and in compliance with the Title V permit; and
  - vii. Any permit term or condition no longer applicable as a result of the change.

2. 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), record keeping, reporting, or compliance certification requirements. *567 IAC 22.110(2)*

3. Notwithstanding any other part of this rule, the director may, upon review of a notice, require a stationary source to apply for a Title V permit if the change does not meet the requirements of subrule 22.110(1). *567 IAC 22.110(3)*

4. The permit shield provided in subrule 22.108(18) shall not apply to any change made pursuant to this rule. Compliance with the permit requirements that the source will meet using the emissions trade shall be determined according to requirements of the state implementation plan authorizing the emissions trade. *567 IAC 22.110(4)*

5. 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 this permit. *567 IAC 22.108(11)*

**G18. Duty to Modify a Title V Permit**

1. Administrative Amendment.

- a. An administrative permit amendment is a permit revision that is required to do any of the following:

- i. Correct typographical errors
    - ii. Identify a change in the name, address, or telephone number of any person identified in the permit, or provides a similar minor administrative change at the source;
    - iii. Require more frequent monitoring or reporting by the permittee; or
    - iv. Allow for a change in ownership or operational control of a source where the director determines that no other change in the permit is necessary, provided that a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new permittee has been submitted to the director.
  - b. The permittee may implement the changes addressed in the request for an administrative amendment immediately upon submittal of the request. The request shall be submitted to the director.
  - c. Administrative amendments to portions of permits containing provisions pursuant to Title IV of the Act shall be governed by regulations promulgated by the administrator under Title IV of the Act.
2. Minor Permit Modification.
- a. Minor permit modification procedures may be used only for those permit modifications that do any of the following:
    - i. Do not violate any applicable requirements
    - ii. Do not involve significant changes to existing monitoring, reporting or recordkeeping requirements in the Title V permit.
    - iii. Do not require or change a case by case determination of an emission limitation or other standard, or increment analysis.
    - iv. Do not seek to establish or change a permit term or condition for which there is no corresponding underlying applicable requirement and that the source has assumed in order to avoid an applicable requirement to which the source would otherwise be subject. Such terms and conditions include any federally enforceable emissions caps which the source would assume to avoid classification as a modification under any provision under Title I of the Act; and an alternative emissions limit approved pursuant to regulations promulgated under section 112(i)(5) of the Act.;
    - v. Are not modifications under any provision of Title I of the Act; and
    - vi. Are not required to be processed as significant modification.
  - b. An application for minor permit revision shall be on the minor Title V modification application form and shall include at least the following:
    - i. A description of the change, the emissions resulting from the change, and any new applicable requirements that will apply if the change occurs.
    - ii. The permittee's suggested draft permit
    - iii. Certification by a responsible official, pursuant to 567 IAC 22.107(4), that the proposed modification meets the criteria for use of a minor permit modification procedures and a request that such procedures be used; and
    - iv. Completed forms to enable the department to notify the administrator and the affected states as required by 567 IAC 22.107(7).
  - c. The permittee may make the change proposed in its minor permit modification application immediately after it files the application. After the permittee makes this

change and until the director takes any of the actions specified in 567 IAC 22.112(4) "a" to "c", the permittee must comply with both the applicable requirements governing the change and the proposed permit terms and conditions. During this time, the permittee need not comply with the existing permit terms and conditions it seeks to modify. However, if the permittee fails to comply with its proposed permit terms and conditions during this time period, existing permit term terms and conditions it seeks to modify may subject the facility to enforcement action.

3. Significant Permit Modification. Significant Title V modification procedures shall be used for applications requesting Title V permit modifications that do not qualify as minor Title V modifications or as administrative amendments. These include but are not limited to all significant changes in monitoring permit terms, every relaxation of reporting or recordkeeping permit terms, and any change in the method of measuring compliance with existing requirements. Significant Title V modifications shall meet all requirements of 567 IAC Chapter 22, including those for applications, public participation, review by affected states, and review by the administrator, and those requirements that apply to Title V issuance and renewal. *567 IAC 22.111-567 IAC 22.113* The permittee shall submit an application for a significant permit modification not later than three months after commencing operation of the changed source unless the existing Title V permit would prohibit such construction or change in operation, in which event the operation of the changed source may not commence until the department revises the permit. *567 IAC 22.105(1)"a"(4)*

**G19. Duty to Obtain Construction Permits**

Unless exempted under 567 IAC 22.1(2), the permittee must not construct, install, reconstruct, or alter any equipment, control equipment or anaerobic lagoon without first obtaining a construction permit, conditional permit, or permit pursuant to 567 IAC 22.8, or permits required pursuant to 567 IAC 22.4 and 567 IAC 22.5. Such permits shall be obtained prior to the initiation of construction, installation or alteration of any portion of the stationary source. *567 IAC 22.1(1)*

**G20. Asbestos**

The permittee shall comply with 567 IAC 23.1(3)"a", and 567 IAC 23.2(3)"g" when activities involve asbestos mills, surfacing of roadways, manufacturing operations, fabricating, insulating, waste disposal, spraying applications, demolition and renovation operations, training fires and controlled burning of a demolished building. *567 IAC 23.1(3)"a", and 567 IAC 23.2*

**G21. Open Burning**

The permittee is prohibited from conducting open burning, except as may be allowed by 567 IAC 23.2. *567 IAC 23.2 except 23.2(3)"h"; 567 IAC 23.2(3)"h" - State Only*

**G22. Acid Rain (Title IV) Emissions Allowances**

The permittee shall not exceed any allowances that it holds under Title IV of the Act or the regulations promulgated there under. Annual emissions of sulfur dioxide in excess of the number of allowances to emit sulfur dioxide held by the owners and operators of the unit or the designated representative of the owners and operators is prohibited. Exceedences of applicable emission rates are prohibited. "Held" in this context refers to both those allowances assigned to the owners and operators by USEPA, and those allowances supplementally acquired by the owners and operators. The use of any allowance prior to the year for which it was allocated is prohibited. Contravention of any other provision of the permit is prohibited. *567 IAC 22.108(7)*

**G23. Stratospheric Ozone and Climate Protection (Title VI) Requirements**

1. The permittee shall comply with the standards for labeling of products using ozone-depleting substances pursuant to 40 CFR Part 82, Subpart E:
  - a. All containers in which a class I or class II substance is stored or transported, all products containing a class I substance, and all products directly manufactured with a class I substance must bear the required warning statement if it is being introduced into interstate commerce pursuant to § 82.106.
  - b. The placement of the required warning statement must comply with the requirements pursuant to § 82.108.
  - c. The form of the label bearing the required warning statement must comply with the requirements pursuant to § 82.110.
  - d. No person may modify, remove, or interfere with the required warning statement except as described in § 82.112.
2. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for MVACs in Subpart B:
  - a. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to § 82.156.
  - b. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to § 82.158.
  - c. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to § 82.161.
  - d. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with reporting and recordkeeping requirements pursuant to § 82.166. ("MVAC-like appliance" as defined at § 82.152)
  - e. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to § 82.156.
  - f. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to § 82.166.
3. If the permittee manufactures, transforms, imports, or exports a class I or class II substance, the permittee is subject to all the requirements as specified in 40 CFR part 82, Subpart A, Production and Consumption Controls.
4. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners. The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant,
5. The permittee shall be allowed to switch from any ozone-depleting substance to any alternative that is listed in the Significant New Alternatives Program (SNAP) promulgated pursuant to 40 CFR part 82, Subpart G, Significant New Alternatives Policy Program. *40 CFR part 82*

#### **G24. Permit Reopenings**

1. This permit may be modified, revoked, reopened, and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or

termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. *567 IAC 22.108(9)"c"*

2. Additional applicable requirements under the Act become applicable to a major part 70 source with a remaining permit term of 3 or more years. Revisions shall be made as expeditiously as practicable, but not later than 18 months after the promulgation of such standards and regulations.

a. Reopening and revision on this ground is not required if the permit has a remaining term of less than three years;

b. Reopening and revision on this ground is not required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions have been extended pursuant to 40 CFR 70.4(b)(10)(i) or (ii) as amended to May 15, 2001.

c. Reopening and revision on this ground is not required if the additional applicable requirements are implemented in a general permit that is applicable to the source and the source receives approval for coverage under that general permit. *567 IAC 22.108(17)"a"*, *567 IAC 22.108(17)"b"*

3. A permit shall be reopened and revised under any of the following circumstances:

a. The department receives notice that the administrator has granted a petition for disapproval of a permit pursuant to 40 CFR 70.8(d) as amended to July 21, 1992, provided that the reopening may be stayed pending judicial review of that determination;

b. The department or the administrator determines that the Title V permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the Title V permit;

c. Additional applicable requirements under the Act become applicable to a Title V source, provided that the reopening on this ground is not required if the permit has a remaining term of less than three years, the effective date of the requirement is later than the date on which the permit is due to expire, or the additional applicable requirements are implemented in a general permit that is applicable to the source and the source receives approval for coverage under that general permit. Such a reopening shall be complete not later than 18 months after promulgation of the applicable requirement.

d. Additional requirements, including excess emissions requirements, become applicable to a Title IV affected source under the acid rain program. Upon approval by the administrator, excess emissions offset plans shall be deemed to be incorporated into the permit.

e. The department or the administrator determines that the permit must be revised or revoked to ensure compliance by the source with the applicable requirements. *567 IAC 22.114(1)*

4. Proceedings to reopen and reissue a Title V permit shall follow the procedures applicable to initial permit issuance and shall effect only those parts of the permit for which cause to reopen exists. *567 IAC 22.114(2)*

## **G25. Permit Shield**

1. The director may expressly include in a Title V permit a provision stating that compliance

with the conditions of the permit shall be deemed compliance with any applicable requirements

as of the date of permit issuance, provided that:

- a. Such applicable requirements are included and are specifically identified in the permit; or
  - b. The director, in acting on the permit application or revision, determines in writing that other requirements specifically identified are not applicable to the source, and the permit includes the determination or a concise summary thereof.
- 2. A Title V permit that does not expressly state that a permit shield exists shall be presumed not to provide such a shield.
- 3. A permit shield shall not alter or affect the following:
  - a. The provisions of Section 303 of the Act (emergency orders), including the authority of the administrator under that section;
  - b. The liability of an owner or operator of a source for any violation of applicable requirements prior to or at the time of permit issuance;
  - c. The applicable requirements of the acid rain program, consistent with Section 408(a) of the Act;
  - d. The ability of the department or the administrator to obtain information from the facility pursuant to Section 114 of the Act. *567 IAC 22.108 (18)*

**G26. Severability**

The provisions of this permit are severable and if any provision or application of any provision is found to be invalid by this department or a court of law, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected by such finding. *567 IAC 22.108 (8)*

**G27. Property Rights**

The permit does not convey any property rights of any sort, or any exclusive privilege. *567 IAC 22.108 (9)"d"*

**G28. Transferability**

This permit is not transferable from one source to another. If title to the facility or any part of it is transferred, an administrative amendment to the permit must be sought to determine transferability of the permit. *567 IAC 22.111 (1)"d"*

**G29. Disclaimer**

No review has been undertaken on the engineering aspects of the equipment or control equipment other than the potential of that equipment for reducing air contaminant emissions. *567 IAC 22.3(3)"c"*

**G30. Notification and Reporting Requirements for Stack Tests or Monitor Certification**

The permittee shall notify the department's stack test contact in writing not less than 30 days before a required test or performance evaluation of a continuous emission monitor is performed to determine compliance with applicable requirements of 567 – Chapter 23 or a permit condition. For the department to consider test results a valid demonstration of compliance with applicable rules or a permit condition, such notice shall be given. Such notice shall include the time, the place, the name of the person who will conduct the test and other information as required by the department. Unless specifically waived by the department's stack test contact, a pretest meeting shall be held not later than 15 days prior to conducting the compliance demonstration. The department may accept a testing protocol in lieu of a pretest meeting. A representative of the department shall be permitted to witness the tests. Results of the tests shall be submitted in writing to the department's stack test contact in the form of a comprehensive report within six weeks of the completion of the testing. Compliance tests conducted pursuant to this permit shall be conducted with the source operating in a normal manner at its maximum continuous output as rated by the equipment manufacturer, or the rate specified by the owner as the maximum

production rate at which the source shall be operated. In cases where compliance is to be demonstrated at less than the maximum continuous output as rated by the equipment manufacturer, and it is the owner's intent to limit the capacity to that rating, the owner may submit evidence to the department that the source has been physically altered so that capacity cannot be exceeded, or the department may require additional testing, continuous monitoring, reports of operating levels, or any other information deemed necessary by the department to determine whether such source is in compliance.

Stack test notifications, reports and correspondence shall be sent to:

Stack Test Review Coordinator  
Iowa DNR, Air Quality Bureau  
7900 Hickman Road, Suite #1  
Urbandale, IA 50322  
(515) 242-6001

Within Polk and Linn Counties, stack test notifications, reports and correspondence shall also be directed to the supervisor of the respective county air pollution program.

*567 IAC 25.1(7)"a", 567 IAC 25.1(9)*

**G31. Prevention of Air Pollution Emergency Episodes**

The permittee shall comply with the provisions of 567 IAC Chapter 26 in the prevention of excessive build-up of air contaminants during air pollution episodes, thereby preventing the occurrence of an emergency due to the effects of these contaminants on the health of persons.

*567 IAC 26.1(1)*

**G32. Contacts List**

The current address and phone number for reports and notifications to the EPA administrator is:

Chief of Air Permits  
EPA Region 7  
Air Permits and Compliance Branch  
901 N. 5<sup>th</sup> Street  
Kansas City, KS 66101  
(913) 551-7020

The current address and phone number for reports and notifications to the department or the Director is:

Chief, Air Quality Bureau  
Iowa Department of Natural Resources  
7900 Hickman Road, Suite #1  
Urbandale, IA 50322  
(515) 242-5100

Reports or notifications to the DNR Field Offices or local programs shall be directed to the supervisor at the appropriate field office or local program. Current addresses and phone numbers are:

**Field Office 1**

909 West Main – Suite 4  
Manchester, IA 52057  
(563) 927-2640

**Field Office 2**

2300-15th St., SW  
Mason City, IA 50401  
(641) 424-4073

**Field Office 3**

1900 N. Grand Ave.  
Spencer, IA 51301  
(712) 262-4177

**Field Office 4**

1401 Sunnyside Lane  
Atlantic, IA 50022  
(712) 243-1934

**Field Office 5**

401 SW 7<sup>th</sup> Street, Suite I  
Des Moines, IA 50309  
(515) 725-0268

**Field Office 6**

1023 West Madison Street  
Washington, IA 52353-1623  
(319) 653-2135

**Polk County Public Works Dept.**

Air Quality Division  
5885 NE 14th St.  
Des Moines, IA 50313  
(515) 286-3351

**Linn County Public Health Dept.**

Air Pollution Control Division  
501 13th St., NW  
Cedar Rapids, IA 52405  
(319) 892-6000

**Appendix A: 40 CFR Part 63 Subpart WWWW**