PUBLIC NOTICE

The Iowa Department of Natural Resources (DNR) is proposing to renew the Title V Operating Permit for Bridgestone Americas Tire Operations, LLC. This facility is located at 4600 NW 2nd Street, Des Moines, IA 50313. DNR is currently reviewing an application for renewal submitted by Bridgestone Americas Tire Operations, LLC to operate their existing rubber tire manufacturing operation, (SIC 3011) (NAICS 326211).

Bridgestone Americas Tire Operations, LLC is required to obtain a Title V Operating Permit pursuant to 567 Iowa Administrative Code (IAC) 24.101. This facility has the potential to emit the following air pollutants annually:

PM-2.5 (particulate matter 2.5 microns or less in diameter): 902.73 tons
PM-10 (particulate matter ten microns or less in diameter): 902.73 tons
Particulate Matter: 902.73 tons
Sulfur Dioxide: 5.36 tons
Nitrogen Oxides: 228.70 tons
Volatile Organic Compounds: 1298.08 tons
Carbon Monoxide: 187.18 tons
Hazardous Air Pollutants: 24.40 tons

Based on the information provided in the Title V Operating Permit renewal application, the DNR has made an initial determination that the facility meets all the applicable criteria for the issuance of an operating permit specified in 567 IAC 24.107.

A copy of the Public Notice is available for public inspection at the:

North Side Public Library
3516 5th Avenue
Des Moines, Iowa 50313
Phone: (515) 283-4152

These documents are also available on the Air Quality Bureau's and Polk County's websites at:
http://www.iowadnr.gov/titlev-draft

For additional information or for a copy of the draft permit or fact sheet contact:

Riley H. Plagge
Air Quality Supervisor
Polk County Public Works Department
Air Quality Division
5885 NE 14th Street
Des Moines, Iowa 50313
Phone: (515) 286-3271
E-mail: riley.plagge@polkcountyiowa.gov

A complete record of the permit review, including the renewal application and the draft permit, is available for public inspection Monday-Friday, 7:00 a.m. - 3:30 p.m., at the Polk County address shown above.

The public comment period for the draft permit will run from May 14, 2026 through June 12, 2026. During the public comment period, anyone may submit written comments on the permit. Mail signed comments to Riley Plagge at the Polk County address shown above. The beginning date of this public comment period also serves as the beginning of the U.S. Environmental Protection Agency's (EPA) 45-day review period, provided the EPA does not seek a separate review period.

Written requests for a public hearing concerning the permit may also be submitted during the comment period. Any hearing request must state the person's interest in the subject matter, and the nature of the issues proposed to be raised at the hearing. DNR will hold a public hearing upon finding, on the basis of requests, a significant degree of relevant public interest in a draft permit. Mail hearing requests to Riley Plagge at the Polk County address shown above.

DNR will keep a record of the issues raised during the public participation process, and will prepare written responses to all comments received. The comments and responses will be compiled into a responsiveness summary document. After the close of the public comment period, DNR will make a final decision on the renewal application. The responsiveness summary and the final permit will be available to the public upon request.

Individuals with disabilities or limited English proficiency are encouraged to participate in all DNR activities, including submitting public comments. If a reasonable accommodation or language services are needed to participate, contact the Polk County staff member listed or Relay Iowa TTY Service at 800-735-7942 in advance to advise them of your specific needs. DNR’s language access and disability nondiscrimination plans are available at https://www.iowadnr.gov/About-DNR/Environmental-Justice.

Iowa Department of Natural Resources
Draft Title V Operating Permit Fact Sheet

This document has been prepared to fulfill the public participation requirements of 40 CFR Part 70 and 567 Iowa Administrative Code (IAC) 24.107(6). 40 CFR Part 70 contains operating permit regulations pursuant to Title V of the Clean Air Act.

The Iowa Department of Natural Resources (DNR) finds that:

1. Bridgestone Americas Tire Operations, LLC, located at 4600 NW 2nd Street, Des Moines, Iowa 50313 has applied for a significant modification to their Title V Operating Permit. The designated responsible official of this facility is Charles Pittman, Plant Manager.
2. Bridgestone Americas Tire Operations, LLC is a Rubber Tire Manufacturer (SIC 3011) (NAICS 326211). This facility consists of seventy-four (74) significant emission units with potential emissions of:

Pollutant	**Abbreviation**	**Potential Emissions** (Tons per Year)
Particulate Matter (≤ 10 μm)	PM_{10}	902.73
Particulate Matter	PM	902.73
Sulfur Dioxide	SO_2	5.36
Nitrogen Oxides	NO_x	228.70
Volatile Organic Compounds	VOC	1298.08
Carbon Monoxide	CO	187.18
Hazardous Air Pollutants (1)	HAP	24.40

(1) May include the following: Refer to the Title V application for the list of chemicals.

3. Bridgestone Americas Tire Operations, LLC submitted an application for a significant Title V Operating Permit modification on March 5, 2026. This project also includes an administrative modification submitted on February 11, 2026 for a new Responsible Official. Based on the information provided in these documents, DNR has made an initial determination that the facility meets all the applicable criteria for the issuance of a significant permit modification specified in 567 IAC 22.107 and 567 IAC 113.
4. DNR has complied with the procedures set forth in 567 IAC 24.107, including those regarding public notice, opportunity for public hearing, and notification of EPA and surrounding state and local air pollution programs.

DNR procedures for reaching a final decision on the draft permit:

1. The public comment period for the draft permit will run from May 14, 2026 through June 12, 2026. The beginning date of this public comment period also serves as the beginning of the U.S. Environmental Protection Agency's (EPA) 45-day review period, provided the EPA does not seek a separate review period. During this time, anyone may submit written comments on the permit. The comments shall be limited to the proposed changes to the permit. Mail signed comments to Riley Plagge at the Polk County address shown below.
2. Written requests for a public hearing concerning the permit may also be submitted during the comment period. Any hearing request must state the person's interest in the subject matter, and the nature of the issues proposed to be raised at the hearing. DNR will hold a public hearing upon finding, on the basis of requests, a significant degree of relevant public interest in a draft permit. Mail hearing requests to Riley Plagge at the Polk County address shown below.
3. DNR will keep a record of the issues raised during the public participation process, and will prepare written responses to all comments received. The comments and responses will be compiled into a responsiveness summary document. After the close of the public comment period, DNR will make a final decision on the application for permit modification. The responsiveness summary and the final permit will be available to the public upon request.

   Ms. Riley Plagge
   Air Quality Supervisor
   Polk County Public Works
   Air Quality Division
   5885 NE 14th Street
   Des Moines, Iowa 50313
   Phone: (515) 286-3271
   E-mail: riley.plagge@polkcountyiowa.gov

DNR concludes that:

1. DNR has authority under 455B.133 Code of Iowa to promulgate rules contained in 567 IAC Chapters 21-33, including, but not limited to, rules containing emission limits, providing for compliance schedules, compliance determination methods and issuance of permits.
2. DNR has the authority to issue operating permits for air contaminant sources and to include conditions in such permits under 455B.134 Code of Iowa.
3. The emission limits included in this permit are authorized by 455B.133 Code of Iowa and 567 IAC Chapters 21-33.
4. DNR is required to comply with 567 IAC Chapter 24 in conjunction with issuing a Title V Operating Permit.
5. The issuance of this permit does not preclude the DNR or Polk County from pursuing enforcement action for any violation.

Worksheet of Air Operating Permit	Rubber Tire Manufacturing SIC 3011 NAICS 32611

Applicant: Bridgestone Americas Tire Operations, LLC
EIQ Number: 92-6246
Facility File Number: 77-01-022
Review Engineer: Jeff Gabby

A. Project Briefing:
Bridgestone Americas Tire Operations, LLC, located at 4600 NW 2nd Street in Des Moines, manufactures rubber tires of varying sizes for agricultural equipment. This project regards a Part 70 Title V permit significant modification received on March 5, 2026 to the following significant emission units: EU 90, 92, and 147. This project also includes an administrative modification submitted on February 11, 2026 for a new Responsible Official.

EU 90, 92, and 147 stack testing requirements will be significantly modified as follows:

Removed from Page 24 of Title V Permit #: 05-TV-008R2-M002:

Stack Testing:

Emission Units to be tested – 90, 92[(1)], and 147[(2)].
Pollutant – PM10
Stack Test to be completed by– July 1, 2026
Test Methods – 40 CFR 60, Appendix A, Method 5
40 CFR 51, Appendix M Method 202
Authority for Requirement – 567 IAC 24.108 (3)

[(1)] The facility may use the testing results from Emission Point 90 to demonstrate compliance for Emission Point 92. If the testing results from Emission Point 90 fail to demonstrate compliance with the applicable emission limits, testing will be required to be completed on Emission Point 92 within 180 days from the receipt of the final test results.
[(2)] Testing for Emission Point 147 was completed the week of June 16, 2025.

The owner of this equipment or the owner's authorized agent shall provide written notice to the Director, not less than 30 days before a required stack test or performance evaluation of a continuous emission monitor. Results of the test shall be submitted in writing to the Director in the form of a comprehensive report within 6 weeks of the completion of the testing. 567 IAC 21.1(7)

Due to complexities associated with performing stack testing on Emission Point 90 and 92, as well as revised PTE calculations, the test requirements are being removed.

Justification for Removal:
On the February 28, 2023 Bridgestone review comments of the draft Title V Renewal, Bridgestone identified an error in the calculations for Particulate Matter (lbs/hr) for EP 90 and 92. This error originated from an incorrect assumption that EP 147 was a like source for EP 90 and EP 92.

☐

EP 147 Tumble Dryer	EP 90/EP 92 Cooling Conveyors
Rotary Airswept Cooler (Tumble Dryer)	Metal conveyor with air blowing over it
Mikropul dust collector with cartridge filters	Settling chamber for solids collection
Air is directed through the agitated pellets	Air is directed over pellets

The EP 147 Rotary Airswept Cooler is a rotating cylinder designed for constant pellet agitation. The agitation process from the tumbling of pellets generates dust. A copy of the construction drawing is enclosed. To minimize particulate matter emissions, EP 147 is equipped with a robust Mikropul dust collector with cartridge filters. The 2020 Title V Renewal Application back-calculated a theoretical uncontrolled emission rate for EP 147 using 95% confidence interval calculated using prior stack testing results paired with Iowa DNR defaults of 99% transfer efficiency and 95% dust collection. By applying the EP 147 uncontrolled emission factor to EP 90 and EP 92, the un-like cooling conveyor sources, the resulting potential emissions are over 4 times the uncontrolled emission rate in the construction permit application.

The EP 90 and EP 92 exhaust points are not traditional stacks meeting EPA Method 1 for test port placement. The 108 inches by 48 inches cross section results in a sizeable equivalent diameter for appropriate sample port placements. The stack extension would need to be extended horizontally to avoid structural supports then directed downward to allow for sufficient distance between disturbances. A preliminary structural assessment was conducted; due to the substantial added weight, the roof would require structural modifications. The overall project cost for preparing one stack for stack testing is estimated to be over $200,000.

Revised PTE calculations for EP 90 and EP 92 show each with uncontrolled PM_{10} of 61.2 TPY (uncontrolled significant) and controlled PM_{10} of 3.06 TPY (controlled minor). DNR's Periodic Monitoring Policy indicated no stack testing for this scenario.

Iowa Department of Natural Resources
Title V Operating Permit

Name of Permitted Facility:
Bridgestone Americas Tire Operations, LLC

Facility Location: 4600 NW 2nd Street
Des Moines, Iowa 50313
Air Quality Operating Permit Number: 05-TV-008R2-M003
Expiration Date: July 12, 2028
Permit Renewal Application Deadline: January 12, 2028

EIQ Number: 92-6246
Facility File Number: 77-01-022

Responsible Official
Name: Mr. Charles Pittman
Title: Plant Manager
Mailing Address: 4600 NW 2nd Street
Des Moines, Iowa 50313
Phone #: (252) 373-0411

Permit Contact Person for the Facility
Name: Jennifer Van Thomme
Title: Environmental Engineer
Mailing Address: 4600 NW 2nd Street
Des Moines, Iowa 50313
Phone #: (515) 243-1211 ext. 5503

This permit is issued in accordance with 567 Iowa Administrative Code Chapter 24, and is issued subject to the terms and conditions contained in this permit.

For the Director of the Department of Natural Resources

Corey McCoid, Supervisor of Air Operating Permits Section Date

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Abbreviations

acfm.....actual cubic feet per minute
AERMOD……..AMS/EPA Regulatory Model
AQD……Polk County Public Works- Air Quality Division
CAS……....Chemical Abstract Service Registry
CE .....Control Equipment
CEM.....Continuous Emission Monitor
CFR.....Code of Federal Regulation
DNR.....Iowa Department of Natural Resources
^{o}F.....degrees Fahrenheit
EIQ.....Emissions Inventory Questionnaire
EP……Emission Point
EU……...Emission Unit
gr./dscf .....grains per dry standard cubic foot
IAC.....Iowa Administrative Code
MACT…….Maximum Achievable Control Technology
µg/m^{3}……..Micrograms per Cubic Meter
MM BTU/ Hr……..Million British Thermal Units per Hour
MSDS…….Material Safety Data Sheet(s)
MVAC.....Motor Vehicle Air Conditioner
NAICS.....North American Industry Classification System
NESHAP…….National Emission Standards for Hazardous Air Pollutants
NSPS.....New Source Performance Standard
ppmv……..…parts per million by volume
psia……..pounds per square inch absolute
lb./hr.....pounds per hour
lb./MMBtu .....pounds per Million British thermal units
SCC.....Source Classification Codes
scfm…….standard cubic feet per minute
sdcfm……...standard dry cubic feet per minute
SIC……..Standard Industrial Classification
TPY…….Tons Per Year
USEPA.....United States Environmental Protection Agency
VCU……Vapor Combustion Unit

Pollutants
PM.....Particulate Matter
PM_{10}……...Particulate Matter ten microns or less in diameter
$PM_{2.5}$……...Particulate Matter 2.5 microns or less in diameter
SO_2 .....Sulfur dioxide
NO_x .....Nitrogen Oxides
VOC(s).....Volatile Organic Compound(s)
CO.....Carbon Monoxide
HAP(s) .....Hazardous Air Pollutant(s)

I. Facility Description and Equipment List

Facility Name: Bridgestone Americas Tire Operations, LLC
Permit Number: 05-TV-008R2-M003
Facility Description: Tire Manufacturing,
(NAICS 326211) (SIC 3011)

Equipment List

Emission Point Number	Emission Unit Number	Emission Unit Description	Polk County Construction Permit Number
Raw Material Receiving, Unloading & Storage Group			
82	**82**	**Final Batch Hand Pigment Weigh**	**3271 Modified**
83	**83**	**Final Batch Auto Pigment Weigh**	**3271 Modified**
94	**94**	**Master Batch Hand Pigment Weigh Station**	**3271 Modified**
103a	**103a**	**Carbon Black Transfer Bin Vent**	**3271 Modified**
103b	**103b**	**Carbon Black Tower Bin Vent**	**3271 Modified**
250	**250**	**Carbon Black Tower Pressure Relief**	**3271 Modified**
273a – 273m	**273a – 273m**	**Carbon Black Tower Bin Vents (26)**	**3271 Modified**
275	**275**	**Mixer 621 Day Bin Vents (10)**	**3271 Modified**
249	**249**	**Mixer 622 Day Bin**	**3645**
Rubber Mixing			
45	**45**	**77 Banbury Dropgate**	**1711 Modified #3**
46	**46**	**#71 Discharge and Cooling Conveyor**	**1711 Modified #3**
47	**47**	**#72 Discharge and Cooling Conveyor**	**1711 Modified #3**
71	**71**	**Pellet Airveyor F621 System**	**1711 Modified #3**
72	**72**	**Pellet Airveyor F622 System**	**1711 Modified #3**
90	**90**	**622 Rubber Cooling Conveyor**	**1711 Modified #3**
92	**92**	**621 Rubber Cooling Conveyor**	**1711 Modified #3**
95	**95**	**622 Dewatering Conveyor**	**1711 Modified #3**
100	**100**	**621 Dewatering Conveyor**	**1711 Modified #3**
105	**105**	**71 Banbury Charging and Pellet Storage Bins**	**1711 Modified #3**
106	**106**	**72 Banbury Charging and Pellet Storage Bins**	**1711 Modified #3**
107	**107**	**73 Banbury Charging and Pellet Storage Bins**	**1711 Modified #3**
108	**108**	**75 Banbury Charging and Pellet Storage Bin**	**1711 Modified #3**
108B	**108B**	**74 Banbury Charging and Pellet Storage Bin**	**1711 Modified #3**
109	**109**	**Pellet Tower Slide Gates**	**1711 Modified #3**
110	**110**	**77 Banbury Charging**	**1711 Modified #3**
112	**112**	**73, 74 &75 Banbury Dropgate**	**1711 Modified #3**

Emission Point Number	Emission Unit Number	Emission Unit Description	Polk County Construction Permit Number
145	**145**	**273 Banbury Charging**	**1711 Modified #3**
146	**146**	**273 Banbury Dropgate**	**1711 Modified #3**
147	**147**	**Remill Pellet Tumble Dryer**	**1711 Modified #3**
148	**148**	**Remill Pellet Airveyor**	**1711 Modified #3**
169	**169**	**621 & 622 Banbury Ram Exhaust**	**1711 Modified #3**
270	**270**	**Remill Pellet Bins**	**1711 Modified #3**
272	**272**	**622 Banbury Charging and Dropgate**	**1711 Modified #3**
274	**274**	**621 Banbury Charging and Dropgate**	**1711 Modified #3**
Rubber Processing, Milling, Extrusion, Calendering			
35	**35**	**#1 4-Roll Calender**	**0125**
36	**36**	**#2 4-Roll Calender**	**0125**
37	**37**	**3 + 2 Calender**	**0125**
42	**42a**	**#6 Tuber Cementing**	**0047**
42	**42f**	**#6 Tuber Hand Paint**	**2101**
64a	**64**	**Cement Mixing Exhaust**	**Exempt**
64b	**64**	**Cement Mixing Exhaust**	**Exempt**
64c	**64**	**Cement Mixing Exhaust**	**Exempt**
151	**151**	**Ozone Generator**	**0434**
900	**900**	**Fugitive Emissions – Milling of Rubber**	**N/A**
901	**901**	**Fugitive Emissions – Extruding of Rubber**	**N/A**
902	**902**	**Fugitive Emissions – Tire Building**	**N/A**
903	**903**	**Fugitive Emissions – Striping Ink**	**N/A**
156	**156**	**#7 Tuber Cementing Operations**	**1713**
Tire Building, Curing, Final Inspection			
1	**1**	**#3 Spray Booth**	**1712 Modified #12**
5	**5**	**#2 Spray Booth**	**1712 Modified #12**
6	**6**	**#4 Spray Booth**	**1712 Modified #12**
153	**153**	**#5 Spray Booth**	**1712 Modified #12**
157f	**157**	**VacuBlast Mold Blaster**	**1712 Modified #12**
244	**244**	**Bladder Buffer**	**1712 Modified #12**
245	**245**	**Tire Test Area Grinder**	**1712 Modified #12**
247	**247**	**Vita-cap Curing New Large Kettle**	**1712 Modified #12**
247	**247**	**Vita-cap Curing Old Large Kettle**	**1712 Modified #12**
247	**247**	**Vita-cap Curing Small Kettle**	**1712 Modified #12**
170-184, 186-197, 199-214, 216-220, 230-243, 256-262	**170**	**Curing Presses**	**1712 Modified #12**
278	**278**	**#1 Bladder Buffer**	**3878**

Emission Point Number	Emission Unit Number	Emission Unit Description	Polk County Construction Permit Number
Power House			
86	**86**	**Babcock & Wilcox #4 Boiler**	**0047**
87	**87**	**Erie City #5 Boiler**	**0047**
89	**89**	**Babcock & Wilcox #6 Boiler**	**0047**
113	**113**	**Babcock & Wilcox #7 Boiler**	**0177**
Miscellaneous and Other Emission Sources			
44	**44**	**Rubbish Packer with Baghouse**	**0786**
149	**149**	**Caterpillar Model SR-4 Standby Generator, with 268 HP Engine Model 3306**	**0494**
160	**160**	**15,000 gallon Underground Storage Tank #1**	**0821**
161	**161**	**15,000 gallon Underground Storage Tank #2**	**0822**
162	**162**	**6,000 gallon Underground Storage Tank #4**	**Exempt**
163	**163**	**6,000 gallon Underground Storage Tank #5**	**Exempt**
164	**164**	**4,000 gallon Underground Storage Tank #3**	**Exempt**
GAS1TK	**GAS1TK**	**500 gallon Double Walled Gasoline Storage Tank**	**Exempt**
246	**246**	**Welding Exhaust**	**0787**
252	**252**	**192 BHP General Motors Diesel Fire Pump**	**0824**
269	**269**	**500 kW Caterpillar Diesel Generator**	**1209**
271	**271**	**Central Vacuum System**	**1613**
277	**277**	**Cummins Model QSB7-G5 Diesel Emergency Generator**	**3649**

Insignificant Activities Equipment List

Insignificant Emission Unit Number	Insignificant Emission Unit Description
I41	Oil/Water Separators
I43	Boiler Blowdown / Steam Releases
I47	Sanitary Sewer Plumbing Vents
I51	Battery Charging Areas
I55	Cooling Towers
I58	Janitorial Cleaners
I60	Domestic Water Heaters
I61	Air Compressors
I62	Air Dryers
I63	55 Gallon or Less Tanks / Drums
I65	Steam Condensate
I67	Rubber Warm Up Rooms
I69	Portable Vacuums
I71	Ambient Emissions Rubber Storage
I904	Fugitive Raw Materials
I905	Fugitive Tire Repair
PH	Plant Heating- (collection of Air Makeup Units)
POTNKS	15,000 gallon Pigment Oil Tanks (9)
DIESEL1TK	500 gallon Double Walled Diesel Storage Tank
EG149TK	165 gallon Double Walled Diesel Storage Tank
EG252TK	195 gallon Diesel Storage Tank
EG269TK	1,000 gallon Double Walled Diesel Storage Tank

II. Plant-Wide Conditions

Facility Name: Bridgestone Americas Tire Operations, LLC
Permit Number: 05-TV-008R2-M003

Permit conditions are established in accord with 567 Iowa Administrative Code Rule 24.108

Permit Duration

The term of this permit is: 5 years
Commencing on: July 13, 2023
Ending on: July 12, 2028

Amendments, modifications and reopenings of the permit shall be obtained in accordance with 567 Iowa Administrative Code rules 24.110 - 24.114. Permits may be suspended, terminated, or revoked as specified in 567 Iowa Administrative Code Rules 24.115.

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): <20% opacity
Authority for Requirement: Polk County Board of Health Rules and Regulations: Chapter V, Article IV, Section 5-9

Sulfur Dioxide (SO_2): 500 parts per million by volume
Authority for Requirement: 567 IAC 23.3(3)"e"
Polk County Board of Health Rules and Regulations: Chapter V, Article IX, Section 5-27

Particulate Matter: If the Polk County Health Officer determines that a process complying with the emission rates specified in Table 1 of Section 5-15 of Polk County Board of Health Rules and Regulations Chapter V is causing or will cause air pollution, the Polk County Health Officer will notify the source of such determination. Upon notification, the source shall not emit particulates in amounts greater than 0.10 grain per standard cubic foot of exhaust gas.
Authority for Requirement: Polk County Board of Health Rules and Regulations Chapter V, Article VI, Section 5-14(b)

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 on or 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"

Combustion for indirect heating: Inside any metropolitan statistical area, the maximum allowable emission from each stack, irrespective of stack height, shall be 0.6 pounds of particulates per million Btu input.
Authority for Requirement: 567 IAC 23.3(2)"b"(2)
Polk County Board of Health Rules and Regulations Chapter V, Article VI, Section 5-15(b)

Fugitive Dust: It shall be unlawful for any person handling, loading, unloading, reloading, storing, transferring, transporting, placing, depositing, throwing, discarding, or scattering any ashes, fly ash, cinders, slag or dust collected from any combination process, any dust, dirt, chaff, wastepaper, trash, rubbish, waste or refuse matter of any kind, or any other substance or material whatever, which is likely to be scattered by the wind, or is susceptible to being wind-borne, to do so without taking reasonable precautions or measures to prevent particulate matter from becoming airborne so as to minimize atmospheric pollution.
Authority for Requirement: Polk County Board of Health Rules and Regulations Chapter V,

Article IX, Section 5-24

Fugitive Dust: Attainment and Unclassified Areas - A person shall take reasonable precautions to prevent particulate matter from becoming airborne in quantities sufficient to cause a nuisance as defined in Iowa Code section 657.1 when the person allows, causes or permits 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 roads. Ordinary travel includes routine traffic and road maintenance activities such as scarifying, compacting, transporting road maintenance surfacing material, and scraping of the unpaved public road surface. (the preceding sentence is State Only) 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 public 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 be 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, fertilizer 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.
6. Reducing the speed of vehicles traveling over on-property surfaces as necessary to minimize the generation of airborne dusts.

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

Facility Production Limit: The facility shall be limited to a maximum production of 560,640,000 pounds of rubber produced per 12 month period rolled monthly. The facility shall keep monthly production records which shall include a 12-month rolling total of pounds of rubber produced. This log shall be maintained on site and be made available to representatives of Polk County AQD upon request.

Authority for Requirement: Polk County Construction Permit Number 1711 Modified #3

HAPs

HAPs: The facility shall not exceed 9.40 TPY of any single HAP or 24.40 Tons of combined HAPs per 12 month period rolled monthly.

The single HAP emissions from this Facility (including combustion sources, welding and other miscellaneous HAP emission sources) shall not exceed 9.4 tons per 12 month period rolled monthly.

The combined HAP emissions from this Facility (including combustion sources, welding and other miscellaneous HAP emission sources) shall not exceed 24.40 tons per 12 month period rolled monthly.

Authority for Requirement: Polk County Construction Permit Numbers 2101, 1711 Modified #3 and 1712 Modified #12

Facility Monitoring and Recordkeeping:

A. The permittee (or owner or operator) shall maintain the following daily records:
   i. Unit production totals for the rubber processing operations.
   ii. The identification of each VOC-containing material used at the Green Tire Spray and Striping Ink/Paint operations.

iii. The identification of each HAP-containing material used at the facility.
iv. The amount, in gallons, of each VOC-containing material used at the Green Tire Spray and Striping Ink/Paint operations. For the purposes of calculating emissions*, all VOC may be considered emitted on the day the materials are delivered to the facility or to the production line.
v. The amount, in gallons (or other units as appropriate), of each HAP-containing material used at the facility. For the purposes of calculating emissions, all HAP may be considered emitted on the day the materials are delivered to the facility or to the production line.

B. The permittee shall maintain the following monthly records:

i. Unit production totals for the rubber processing operations.
ii. The identification of each VOC-containing material used at the Green Tire Spray and Striping Ink/Paint operations.
iii. The identification of each HAP-containing material used at the facility.
iv. The amount, in gallons, of each VOC-containing material used at the Green Tire Spray and Striping Ink/Paint operations. For the purposes of calculating emissions, all VOC may be considered emitted on the day the materials are delivered to the facility or to the production line.
v. The amount, in gallons (or other units as appropriate), of each HAP-containing material used at the facility. For the purposes of calculating emissions, all HAP may be considered emitted on the day the materials are delivered to the facility or to the production line.
vi. The amount of VOC emissions from the Tire Building Emission Sources (rubber processing,* Green Tire Spray and Striping Ink/Paint), in tons.
vii. The 12-month rolling total of the amount of VOC emissions from the Tire Building Emission Sources (rubber processing a, Green Tire Spray and Striping Ink/Paint), in tons.
viii. The facility-wide amount of HAP emissions from all sources, in tons.
ix. The facility-wide 12-month rolling total of the amount of HAP emissions from all sources, in tons.

C. If the 12-month rolling total of the VOC emissions from the Tire Building Emission Sources (rubber processing, Green Tire Spray and Striping Ink/Paint) exceeds 97.22 tons, the permittee shall immediately begin keeping the following daily records:

i. The amount of VOC emissions from the Tire Building Emission Sources (rubber processing,* Green Tire Spray and Striping Ink/Paint), in tons.
ii. The 365-day rolling total of the amount of VOC emissions from the Tire Building Emission Sources (rubber processing, Green Tire Spray and Striping Ink/Paint), in tons.

Daily calculations for VOC emissions shall continue until the 365-day rolling total of the amount of VOC emissions from the Tire Building Emission Sources drops below 97.22 tons for the remainder of the current calendar month plus one additional calendar month. At that time, rolling daily calculation of VOC emissions will cease. If the emissions once again exceed 97.22 tons, daily recordkeeping will be required.

D. If the facility-wide 12-month rolling total of the single HAP emissions from all sources exceeds 7.52 tons, or the combined HAP emissions from all sources exceeds 19.52 tons, the permittee shall immediately begin keeping the following daily records:

i. The amount of HAP emissions from all sources, in tons.
ii. The 365-day rolling total of the amount of HAP emissions, from all sources, in tons.

Daily calculations for HAP emissions shall continue until the 365-day rolling total of the amount of HAP emissions drops below 7.52 tons of a single HAP or 19.52 tons combined HAP for the remainder of the current calendar month plus one additional calendar month. At that time, rolling daily calculation of HAP emissions will cease If the emissions once again exceed 7.52 tons of a single HAP or 19.52 tons of cumulative HAP, daily recordkeeping will be required.

* VOC and HAP emissions from rubber processing shall be calculated through application of industry standard emission factors developed by the Rubber Manufacturers Association. * VOC and HAP emissions from combustion sources and welding operations shall be calculated through application of AP-42 emission factors.
*VOC and HAP emissions from surface coating operations and other evaporative sources shall be calculated using a mass balance approach, with data being obtained from the applicable Material Data Safety Sheet or equivalent.

Authority for Requirement: Polk County Construction Permit Numbers 2101, 1711 Modified #3 and 1712 Modified #12

Emission Units 149, 252, 269, 277:
These units are subject to the following federal regulation: National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE NESHAP) [40 CFR Part 63 Subpart ZZZZ].

Authority for Requirement: 40 CFR Part 63 Subpart ZZZZ
567 IAC 23.1(4)"cz"
Polk County Board of Health Rules and Regulations Chapter V, Article VIII, Section 5-20(zzzz)

III. Emission Point-Specific Conditions

Facility Name: Bridgestone Americas Tire Operations, LLC
Permit Number: 05-TV-008R2-M003

A. Raw Material Receiving, Unloading, and Storage	Carbon black is unloaded mechanically or pneumatically from railcars and trucks into bins. The pigments and silica are unloaded from supersacks and bags and transferred into bins. The particles that are emitted during unloading are collected in baghouses and returned to the bins or supersacks.

Emission Point ID Number: 82, 83, 94, 103a, 103b, 250, 273a-273m, and 275

Associated Equipment

SOURCE: UNITS COMPRISING RAW MATERIAL RECEIVING UNLOADING & STORAGE GROUP

EP #	EU ID #	Emission Unit Description	Control Equipment Description	CE #	Maximum Capacity	Raw Material
82	82	Final batch hand pigment weigh	Mikropul Baghouse	82	0.45 tons/hr	Carbon Black, Hi-Sil Pigments
83	83	Final batch auto pigment weigh	Automated Ingredient Systems Dust Collector	83	2,300 lbs/hr	Carbon Black, Hi-Sil Pigments
94	94	Master batch hand pigment weigh station	Flex-Kleen Baghouse	94	1.1 tons/hr	Carbon Black, Hi-Sil Pigments
103a	103a	Carbon black transfer bin vent	Dynamic Air Dust Collector	103a	60,000 lbs/hr	Carbon Black, Hi-Sil Pigments
103b	103b	Carbon black tower bin vent	Dynamic Air Dust Collector	103b	60,000 lbs/hr	Carbon Black, Hi-Sil Pigments
250	250	Carbon black tower pressure relief	Dynamic Air Modu-Kleen 84A-49 Baghouse	250	40,000 lbs/hr	Carbon Black, Hi-Sil Pigments
273a – 273m (2 vents/bin)	273a-273m (13 bins)	Carbon black tower bin vents (26)	(13) Ingredient Systems Cartridge Filters (26) vents	273a-273m	60,000 lbs/hr	Carbon Black, Hi-Sil Pigments
275	275	Mixer 621 Day bin vents (10)	(10) Modu-Kleen Bin Vent Cartridge Filters	275a-275j	23 tons/hr	Carbon Black, Hi-Sil Pigments

Equipment listed above is permitted under Polk County Construction Permit Number 3271 Modified

249	249	Mixer 622 Day Bin	Flex-Kleen Baghouse	249	23 tons/hr	Rubber/Carbon Black

Equipment listed above is permitted under Polk County Construction Permit Number 3645

Applicable Requirements

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

The emissions from these emission points shall not exceed the levels specified below.

Emission Point Number	PM (lb/hr)	PM_{10} (lb/hr)	PM/PM_{10} Concentration	Opacity
82	9.43	9.43	0.10 gr/dscf	<20%
83	1.15	1.15	0.10 gr/dscf	<20%
94	2.57	2.57	0.10 gr/dscf	<20%
103a	0.28	0.28	0.10 gr/dscf	<20%
103b	0.45	0.45	0.10 gr/dscf	<20%
250	2.40	2.40	0.10 gr/dscf	<20%
273	0.09	0.09	0.10 gr/dscf	<20%
275	1.29	0.88	0.10 gr/dscf	N/A

Authority for Requirement: Polk County Construction Permit Number 3271 Modified
Polk County AQD Chapter V, Article VI, Section 5-14(b)
Polk County AQD Chapter V, Article IV, Section 5-9

Emission Point Number 249

Pollutant	lb/hr	tons/yr	Additional Limits: Opacity, Allowable Concentration	Reference
Particulate Matter (PM)	0.372	1.63	0.10 gr/dscf	Chapter V, Article VI, Section 5-14(b)
Particulate Matter (PM_{10})	0.372	1.63		
Particulate Matter ($PM_{2.5}$)	- - -	- - -		
Opacity	- - -	- - -	< 20%	Chapter V, Article IV, Section 5-9

Authority for Requirement: Polk County Construction Permit Number 3645
Polk County AQD Chapter V, Article VI, Section 5-14(b)
Polk County AQD Chapter V, Article IV, Section 5-9

Operational Limits & Requirements

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

Work practice standards:

- For EP 250: A gauge shall be installed and maintained to measure pressure drop readings. To ensure proper operation, pressure drop shall be maintained within Manufacturer's recommended range of 0.5 to 6.0 inches of water column. Readings shall be taken and recorded in a log weekly.

Authority for Requirement: Polk County Construction Permit Number 3271 Modified

- For EP 249: The owner or operator shall maintain and operate the equipment, including control equipment, at all times in a manner consistent with good practice for minimizing emissions.
- * A gauge shall be installed and maintained to measure pressure drop readings. To ensure proper operation, pressure drop shall be maintained within Manufacturer's recommended range of 1.0 to 6.0 inches of water column. Readings shall be taken and recorded in a log weekly.

Authority for Requirement: Polk County Construction Permit Number 3645

Reporting and record keeping requirements:

- All required logs shall be kept on site for a minimum time of five years. Logs shall be made available to representatives of Polk County AQD upon request.

Authority for Requirement: Polk County Construction Permit Number 3271 Modified
Polk County Construction Permit Number 3645

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Specification	EP 82	EP 83	EP 94	EP 103a
Shape	Rectangular	Rectangular	Rectangular	Rectangular
Size/Diameter	19 x 25 inches	14 x 12 inches	11 x 12 inches	10 x 25 inches
Height	31.5 ft above grade	60.6 ft above grade	55.7 ft above grade	11.5 ft above grade
Discharge Style	Vertical, unobstructed	Vertical, unobstructed	Vertical, unobstructed	Downward
[1]Rated Flow Rate (scfm)	11,000 scfm	6,000	3,000	327
[1]Exhaust Temperature (°F)	85° F	85° F	80° F	ambient

Stack Specification	EP 103b	EP 250	EP 273a -273m (2 vents per 13 bins)	EP 275
Shape	Rectangular	Rectangular	Rectangular	N/A (internally vented)
Size/Diameter	7.5 x 48 inches	11 x 18.5 inches	3.3 x 12 inches	N/A (internally vented)
Height	36.0 ft above grade	24.0 ft above grade	88.0 ft above grade	N/A (internally vented)
Discharge Style	Downward	Horizontal, unobstructed	Downward Vents	N/A (internally vented)
[1]Rated Flow Rate (scfm)	527	2,800	103	N/A (internally vented)
[1]Exhaust Temperature (°F)	ambient	ambient	ambient	N/A (internally vented)

Authority for Requirement: Polk County Construction Permit Number 3271 Modified

Stack Parameter	Value
Stack Shape	Rectangular
Size/Diameter	11 x 13 inches
Stack Height, (ft, from the ground)	57.8
Discharge Style	Vertical, Unobstructed
[1]Rated Flow Rate (scfm)	2800
[1]Exhaust Temperature (°F)	70

Authority for Requirement: Polk County Construction Permit Number 3645

The temperature and flowrate 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 characteristics above are different than the values stated, the owner or operator shall submit a request either by electronic mail or written correspondence to the Department within 30 days of the discovery to determine if a permit amendment is required, or submit a permit application requesting to amend the permit.

Monitoring Requirements

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

- The facility shall check the opacity for each emission points 82, 83, 94, 103a, 103b, 250, 273, and 249 weekly during a period when these emission units are operating. If visible emissions are observed, corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If the corrective action does not return the EP to no visible emissions observed then a Method 9 observation will be required. If an opacity of 20% or greater is observed, this would be a violation and corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions.
- If weather conditions prevent the observer from conducting an opacity observation, the observer shall note such conditions on the data observation sheet. At least three attempts shall be made to retake opacity readings at approximately 2-hour intervals throughout the day. If all observation attempts for a week have been unsuccessful due to weather, an observation shall be made the next operating day where weather permits.
- The facility shall maintain a written record of the observation and any action resulting from the observation.
- All required logs shall be kept on site for a minimum time of five years. Logs shall be made available to representatives of Polk County AQD upon request.

Authority for Requirement: 567 IAC 24.108(3)
Polk County Construction Permit Number 3271 Modified
Polk County Construction Permit Number 3645

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☒ No ☐
(EU 82, 83, 94, 103a, 103b, 250, 273, and 275)

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.

The data pertaining to the plan shall be 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 24.108(3)

Emission Point ID Number: 249

Associated Equipment

Emissions Control Equipment ID Numbers: CE 249
Emissions Control Equipment Description: Flex-Kleen Model 120WSTS4911 Baghouse

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Emission Unit vented through this Emission Point: 249
Emission Unit Description: Mixer 622 Day Bin
Raw Material/Fuel: Rubber/Carbon Black
Rated Capacity: 23 tons/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: Opacity
Emission Limit: <20%
Authority for Requirement: Polk County Construction Permit Number 3645
Polk County Board of Health Rules and Regulations
Chapter V, Article IV, Section 5-9

Pollutant: PM_{10}
Emission Limits: 0.372 lbs/hr, 1.63 TPY
Authority for Requirement: Polk County Construction Permit Number 3645

Pollutant: PM
Emission Limits: 0.372 lbs/hr, 1.63 TPY, and 0.10 gr./dscf
Authority for Requirement: Polk County Construction Permit Number 3645
Polk County Board of Health Rules and Regulations
Chapter V, Article VI, Section 5-14(b)

Operational Limits & Requirements
The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Control equipment parameters: A gauge shall be installed and maintained to measure pressure drop readings. To insure proper operation, pressure drop shall be maintained within Manufacturer's recommended range of 1.0 to 6.0 inches of water column. Readings shall be taken and recorded in a log weekly.

Work practice standards: The owner or operator shall maintain and operate the equipment, including control equipment, at all times in a manner consistent with good practice for minimizing emissions.

Reporting & Record keeping: All records shall be kept on site for a minimum period of five years and be made available to Polk County Air Quality personnel upon request.
Authority for Requirement: Polk County Construction Permit Number 3645

Emission Point Characteristics
The emission point shall conform to the specifications listed below.

Stack Height: 57.8 feet (from the ground)
Stack Opening: 11 x 13 inches (Rectangular)
Exhaust Flow Rate: 2,800 scfm
Exhaust Temperature: 70° F
Discharge Style: Vertical, Unobstructed
Authority for Requirement: Polk County AQD Construction Permit Number 3645

The temperature and flowrate 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 characteristics above are different than the values stated, the owner or operator shall submit a request either by electronic mail or written correspondence to the Department within 30 days of the discovery to determine if a permit amendment is required, or submit a permit application requesting to amend the permit.

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

Emission Point 249 shall be visually checked for observable emissions once every week by a designated observer. The observation shall be taken during a period when the emission unit is operating consistent with current production levels. The observation shall be noted in a log book, which shall state the date, time, and whether any emissions were observed. If visible emissions are observed, corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If corrective action does not return the observation to no visible emissions, then a Method 9 observation will be required. If an opacity $\geq$20% is observed, this would be a violation and corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If weather conditions prevent the observer from conducting an opacity observation, the observer shall note such conditions on the data observation sheet. At least three attempts shall be made to retake opacity readings at approximately 2-hour intervals throughout the day. If all observation attempts for a week have been unsuccessful due to weather, an observation shall be made the next operating day where weather permits. The log book will be maintained on site for 5 years and be made available to representatives of Polk County AQD upon request.
Authority for Requirement: Polk County AQD Construction Permit Number 3645

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.

The data pertaining to the plan shall be 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 24.108(3)

B. Rubber Mixing	The raw materials are fed into the banbury mixers and processed into stock rubber. VOCs and particulates are emitted during the charging and mixing. The particulates are controlled via baghouses.

Emission Point ID Number: 45, 46, 47, 71, 72, 90, 92, 95, 100, 105, 106, 107, 108, 108B, 109, 110, 112, 145, 146, 147, 148, 169, 270, 272, 274

Associated Equipment

Per Table Below

EP	EU	CE	CE Description	Process Description	Raw Material	Rated Capacity
45	45	CE45	Mikro-Pulsaire Baghouse	77 Banbury Dropgate	Rubber	10,000 lbs/hr
46	46	N/A	N/A	#71 Discharge and Cooling Conveyor	Rubber	5.0 tons/hr
47	47	N/A	N/A	#72 Discharge and Cooling Conveyor	Rubber	5.0 tons/hr
71	71	CE71	Fuller Baghouse	Pellet Airveyor F621 System	Rubber	10 tons/hr
72	72	CE72	Fuller Baghouse	Pellet Airveyor F622 System	Rubber	10 tons/hr
90	90	CE90	Settling Chamber	622 Rubber Cooling Conveyor	Rubber	9.0 tons/hr
92	92	CE92	Settling Chamber	621 Rubber Cooling Conveyor	Rubber	9.0 tons/hr
95	95	N/A	N/A	622 Dewatering Conveyor	Rubber Pellets	10 tons/hr
100	100	N/A	N/A	621 Dewatering Conveyor	Rubber Pellets	10 tons/hr
105	105	CE105	MAC Baghouse	71 Banbury Charging and Pellet Storage Bins	Rubber Pellets	10 tons/hr
106	106	CE106	MAC Baghouse	72 Banbury Charging and Pellet Storage Bins	Rubber Pellets	10 tons/hr
107	107	CE107	MAC Baghouse	73 Banbury Charging and Pellet Storage Bins	Rubber Pellets	10 tons/hr
108	108	CE108	MAC Baghouse	75 Banbury Charging and Pellet Storage Bins	Rubber Pellets	10 tons/hr
108-B	108-B	CE108-B	MAC Baghouse	74 Banbury Charging and Pellet Storage Bins	Rubber Pellets	10 tons/hr
109	109	CE109	Mikro-Pulsaire Baghouse	Pellet Tower Slide Gates	Rubber Pellets	40 tons/hr

EP	EU	CE	CE Description	Process Description	Raw Material	Rated Capacity
110	110	CE110	Mikro-Pulsaire Baghouse	77 Banbury Charging	Rubber Pellets	10 tons/hr
112	112	N/A	N/A	73, 74 & 75 Banbury Dropgate	Rubber	15 tons/hr
145	145	CE145	Flex-Kleen Baghouse	273 Banbury Charging	Rubber Pellets	12.5 tons/hr
146	146	CE146	Mikropul Baghouse	273 Banbury Dropgate	Rubber	12.5 tons/hr
147	147	CE147	Mikropul Baghouse	Remill Pellet Tumble Dryer	Rubber	12.5 tons/hr
148	148	CE148	Mikropul Baghouse	Remill Pellet Airveyor	Rubber	12.5 tons/hr
169	169	CE169	Air Process Cyclone	621 & 622 Banbury Ram Exhaust	Air, Oil, Water	4400 CFM
270	270	CE270	Torit Dust Collector	Remill Pellet Bins	Rubber Pellets	60,000 lb/hr
272	272	CE272	Torit Top Load Fabric Filter Baghouse	622 Banbury Charging and Dropgate	Rubber/Carbon Black	10 tons/hr
274	274	CE274	Torit DFT 4-80 Dust Collector	621 Banbury Charging and Dropgate	Rubber/Carbon Black	10 tons/hr

Equipment listed above is permitted under Polk County Construction Permit Number 1711 Modified #3

Applicable Requirements

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

The emissions from these emission points shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit: <20% opacity for all emission points listed in table below
Authority for Requirement: Polk County Construction Permit 1711 Modified #3
Polk County Board of Health Rules and Regulations
Chapter V, Article IV, Section 5-9

Pollutant: PM_{10}/PM

Emission Point	PM_{10}/PM (limit for each emission point)	PM_{10}/PM (combined limit)
45, 71, 72, 90, 92, 109, 110, 112, 169	0.10 gr/dscf	183.60 lbs./hr 804.01 TPY (combined limits for all emission points included in this table)
105, 106, 107, 108, 108B	0.01 gr/dscf	
145, 146, 147, 148	0.0685 gr/dscf	
270	0.0009 gr/dscf	
272	0.0026 gr/dscf	
274	0.00259 gr/dscf	

Pollutant: VOCs
Emission Rate: The total VOC emissions from the equipment listed above shall not exceed 12.99 tons per 12 month period rolled monthly.
Authority for Requirement: Polk County Construction Permit 1711 Modified #3

Operational Limits & Requirements

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

See "Plant-Wide Conditions"

Monitoring Requirements

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

The facility shall check the opacity for each EP listed in the PM_{10}/PM Emission Limit table above, weekly, during a period when the emission unit is operating consistent with current production levels. If visible emissions are observed corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If the corrective action does not return the EP to no visible emissions observed then a Method 9 observation will be required. If an opacity of 20% or greater is observed, this would be a violation and corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions.

If weather conditions prevent the observer from conducting an opacity observation, the observer shall note such conditions on the data observation sheet. At least three attempts shall be made to retake opacity readings at approximately 2-hour intervals throughout the day. If all observation attempts for a week have been unsuccessful due to weather, an observation shall be made the next operating day where weather permits.

The facility shall maintain a written record of the observation and any action resulting from the observation for a minimum of five years. The records shall be maintained on site and be made available to representatives of Polk County AQD upon request.

Authority for Requirement: Polk County Construction Permit Number 1711 Modified #3

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☒ No ☐
Required for Emission Units 145, 272, and 274.

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.

The data pertaining to the plan shall be 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 24.108(3)

Compliance Assurance Monitoring (CAM) Plan Required? Yes ☒ No ☐
Required for Emission Unit 147

COMPLIANCE ASSURANCE MONITORING PLAN:
MICROPUL BAGHOUSE FOR PM CONTROL (EU 147 / CE 147 / EP 147)

I. BACKGROUND

A. Emissions Unit

Description: Remill Pellet Tumble Dryer
Identification: EU-147
Facility: Bridgestone Americas Tire Operations, LLC

B. Applicable Regulation, Emission Limit, and Monitoring Requirements

Regulation No.: Polk County Air Quality Division Chap. V, Article VI, Section 5-16(l);
Polk County Air Quality Division Construction Permit #1711 Modified #3

Emission limits:
Particulate Matter/ PM_{10}: 0.0685 gr./ dscf
Monitoring requirements: Baghouse Differential Pressure and Visible emissions: daily and weekly monitoring

C. Control Technology

Micropul baghouse operated under negative pressure.

II. MONITORING APPROACH

The key elements of the monitoring approach are presented in Table A. The selected performance indicators are baghouse differential pressure and visible emissions.

TABLE A - MONITORING APPROACH

	Indicator #1	**Indicator #2**
I. Indicator	Baghouse Differential Static Pressure	Visible Emissions
Measurement Approach	Differential static pressure measured across the baghouse by a magnetic pressure gauge.	Visible emissions from the baghouse exhaust will be monitored using EPA Reference Method 22-like procedures, while EU147 is operating. Visible emission observations will be performed on the external baghouse unit, system ductwork and associated components for evidence of fugitive emissions, holes, corrosion, leaks and failures.

II. Indicator Range	An excursion is defined as a differential static pressure reading across the baghouse, outside the manufacturer's specified operating range of 0.5 – 6.0 inches of water. Excursions trigger an inspection, corrective action and a reporting requirement.	An excursion is defined as any visible emission occurring. Excursions trigger an inspection, corrective action and a reporting requirement.

III. Performance Criteria		
A. Data Representativeness	The differential static pressure is measured across the baghouse.	Visible emission measurements are made at the emission point and on the external baghouse unit, system ductwork and associated components.
B. Verification of Operational Status	Differential pressure gauge factory calibrated.	Not Applicable
C. QA/QC Practices and Criteria	Differential pressure gauge will be calibrated, maintained, and operated according to the manufacturer's specifications.	The observer will be a Method 22 trained observer and follow Method 22-like procedures.
D. Monitoring Frequency	Pressure drop will be recorded once every 24 hours, if unit is operating.	Visible emission observations (VE/no VE emissions) will be recorded weekly as weather permits.
Data Collection Procedures	Results of baghouse differential static pressure checks will be recorded in the baghouse maintenance log and archived for at least 5 years.	Results of visible emission observations will be recorded in the baghouse maintenance log and archived for at least 5 years.

Authority for Requirement: 567 IAC 24.108(3)

C. Rubber Processing, Milling, Extrusion, Calendering Emission Group	The stock rubber produced by the Banbury mixers is processed into a product useful in the assembly of agricultural, forestry, mining and construction tires. The stock rubber passes through calenders, extruders, and mills to form the individual tire components. The processing of the stock rubber and the use of VOC-laden cement and paint/ink produces the VOC emissions for this source.

Emission Point ID Number: 35, 36, 37, 42, 64a, 64b, 64c, 151, 900, 901, 902, 903

Associated Equipment

Per Table Below

EP	EU	EU Description	Raw Material	Rated Capacity	Construction Permit (Polk Co.)
35	35	#1 4-Roll Calender	Rubber Stock	4.75 tons/hr	0125
36	36	#2 4-Roll Calender	Rubber Stock	4.75 tons/hr	0125
37	37	3 + 2 Calender	Rubber Stock	4.75 tons/hr	0125
42	42a	#6 Tuber Undertread Cementing Operations	Rubber Solvent	417 treads/hr	Grandfathered
64a	64	Cement Mixing Exhaust	Rubber Solvent	219 gal/hr	Grandfathered
64b	64	Cement Mixing Exhaust	Rubber Solvent	219 gal/hr	Grandfathered
64c	64	Cement Mixing Exhaust	Rubber Solvent	219 gal/hr	Grandfathered
151	151	Ozone Generator	Striping Ink	4.75 tons/hr	0434
900	900	Fugitive Emissions-Milling of Rubber	Carbon Black, Hi-Sil Pigments	17,642 lbs/hr	Grandfathered
901	901	Fugitive Emissions-Extruding of Rubber	Carbon Black, Hi-Sil Pigments	64,000 lbs/hr	Grandfathered
902	902	Fugitive Emissions-Tire Building	Solvent	7.5 gal/hr	Grandfathered
903	903	Fugitive Emissions-Striping Ink	Striping Ink	0.5 gal/hr	Grandfathered

Applicable Requirements

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from these emission points shall not exceed the levels specified below.

See "Plant-Wide Conditions"

Operational Limits & Requirements
The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

See "Plant-Wide Conditions"

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 ☒

Authority for Requirement: 567 IAC 24.108(3)

Emission Point ID Number: 42

Emission Unit vented through this Emission Point: 42f
Emission Unit Description: Tuber #6 Tread-end Hand Painting
Raw Material/Fuel: Rubber Solvent
Rated Capacity: 405 Treads per hour

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: VOCs
Emission Limits: 40.18 TPY
Authority for Requirement: Polk County Air Quality Construction Permit Number 2101

Operational Limits & Requirements
The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Work practice standards: The owner or operator shall meter and record daily the cement usage for Number 6 Tuber Hand Painting.

Reporting and record keeping requirements: The owner or operator shall calculate and record monthly the total cement usage and the VOC and HAP emissions from Emission Unit Number 42f. Said records shall include the twelve month rolling total, rolled monthly.

The owner or operator shall maintain copies of the MSD sheets for all solvent, cements and VOC containing materials on site for a period of 5 years and shall make these available to representatives of this agency upon request.

Authority for Requirement: Polk County Air Quality Construction Permit Number 2101

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 ☒

Authority for Requirement: 567 IAC 24.108(3)

Emission Point ID Number: 156

Emission Unit vented through this Emission Point: 156
Emission Unit Description: Tuber #7 Cementing (Undertread, Sidewall and Treadend)
Raw Material/Fuel: Rubber Solvent
Rated Capacity: 417 Treads per hour and 219 gal/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: Opacity
Emission Limit: None Allowed
Authority for Requirement: Polk County Construction Permit Number 1713

Pollutant: VOCs
Emission Limit: 94.53 TPY
Authority for Requirement: Polk County Construction Permit Number 1713

Operational Limits & Requirements
The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Operating Limits:
Operating Scenario #1: When operated as an undertread cementing operation §60.542(a)(1)(ii) shall apply. The facility shall maintain total (uncontrolled) VOC use less than or equal to the levels specified below, depending upon the duration of the compliance period:

Days/Month	VOC Emission Limit
28	3,870 kg (8,531 lb)
29	4,010 kg (8,846 lb)
30	4,150 kg (9,149 lb)
31	4,280 kg (9,436 lb)
35	4,840 kg (10,670 lb)

Operating Scenario #2: When operated as a sidewall cementing operation § 60.542(a)(2)(ii) shall apply. The facility shall maintain total (uncontrolled) VOC use less than or equal to the levels specified below, depending upon the duration of the compliance period:

Days/Month	VOC Emission Limit
28	3,220 kg (7,099 lb)
29	3,340 kg (7,363 lb)
30	3,450 kg (7,606 lb)
31	3,570 kg (7,870 lb)
35	4,030 kg (8,885 lb)

Operating Scenario #3: If both undertread cementing and sidewall cementing are performed at the same affected facility during a month then the kg/mo limit specified under §60.542(a)(1)(ii) shall apply for that month per §60.543(c). The total VOC (uncontrolled) use shall be the same as operating scenario #1.

For each tread end cementing operation; discharge into the atmosphere no more than 10 grams of VOC per regulated tire (g/tire) cemented for each month per 40 CFR §60.542(a)(3).

Authority for Requirement: 40 CFR 60 Subpart BBB
567 IAC 23.1(2)"eee"
Polk County Board of Health Rules and Regulations
Chapter V, Article VI, Section 5-16(n)(57)
Polk County Construction Permit Number 1713

Work practice standards:

Tuber #7 production is limited to 417 treads (tires) per hour. Treads per hour shall be determined by the equation: number of treads/hour = number of treads produced per calendar month divided by (number of days in month x 24 hrs/day).

Maintain Method 24 or formulation data for the determination of VOC content of cements per §60.547 (a)(1)

Maintain records of monthly VOC use for undertread cementing, sidewall cementing, and the number of days in each compliance period per §60.545(d)

Maintain records of monthly VOC use for tread end cementing and the number of treads cemented in each compliance period per §60.543(d)

Determine compliance with 40 CFR 60 Subpart BBB per §60.543(c) and §60.543(d)

Semi-Annual reports per §60.546(f) shall be submitted

Actual emissions from the #7 tuber process (EP156/EU156) shall be calculated and submitted annually as part of the Title V Emission Report

The facility shall comply with all applicable requirements of 40 CFR Part 60 Subpart BBB

Authority for Requirement: 40 CFR 60 Subpart BBB
567 IAC 23.1(2)"eee"
Polk County Board of Health Rules and Regulations
Chapter V, Article VI, Section 5-16(n)(57)
Polk County Construction Permit Number 1713

Monitoring Requirements

The owner/operator of this equipment shall comply with the periodic 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 ☒

Authority for Requirement: 567 IAC 24.108(3)

D. Tire Building, Curing, Final Inspection	Tire components are cemented and pressed together to form rubber tires. The tires are sprayed prior to curing to prevent them from sticking to the machinery. The tires are cured and balanced and prepared for shipment.

Emission Point ID Number: 1, 5, 6, 153, 157f, 244, 245, 247, 170-184, 186-197, 199-214, 216-220, 230-243, 256-262, 278

Associated Equipment
Per Table Below

EP	EU	CE	CE Description	EU Description	Raw Material	Rated Capacity
1	1	CE1	Settling Chamber With Dry Filters	#3 Spray Booth	Tire Paint	30 tires/hr
5	5	CE5	Settling Chamber With Dry Filters	#2 Spray Booth	Tire Paint	30 tires/hr
6	6	CE6	Settling Chamber With Dry Filters	#4 Spray Booth	Tire Paint	120 tires/hr
153	153	CE153	Settling Chamber With Dry Filters	#5 Spray Booth	Tire Paint	30 tires/hr
157f	157	CE157	Pram Cyclone with Baghouse	VacuBlast Mold Blaster	Blast Media	2 molds/hr
244	244	CE244	Duclone Model SD Cyclone	Bladder Buffer	Rubber	268 lb/hr
245	245	CE245	Torit Fabric Filter Collector	Tire Test Area Grinder	Rubber	4.5 lb/hr
247	247	N/A	N/A	Vita-cap Curing New Large Kettle	Rubber	144 tires per day, all Vita-Cap Curing combined
247	247	N/A	N/A	Vita-cap Curing Old Large Kettle	Rubber	144 tires per day, all Vita-Cap Curing combined
247	247	N/A	N/A	Vita-cap Curing Small Kettle	Rubber	144 tires per day, all Vita-Cap Curing combined
170-184, 186-197, 199-214, 216-220, 230-243, 256-262	170	N/A	N/A	Curing Presses	Rubber	85,905 lb/hr

Equipment listed above is covered by Polk County Construction Permit Number 1712 Modified #12

EP	EU	CE	CE Description	EU Description	Raw Material	Rated Capacity
278	278	CE278	Filter1 Hydrotron Wet Collection Systems	#1 Bladder Buffer	Rubber	1,960 lb/hr

Equipment listed above is covered by Polk County Construction Permit Number 3878

Curing Presses, (EU 170), consists of the following presses:

Press Size (inches)	max lbs. rubber/ press	# of presses	total rubber lbs./hr.
45.00	150	2	300
55.00	170	32	5,440
63.50	250	5	1,250
75.00	230	38	8,740
78.00	360	1	360
80.75	375	7	2,625
85.00	375	88	33,000
91.00	400	20	8,000
96.00	485	9	4,365
100.00	485	7	3,395
105.00	485	2	970
110.00	485	36	17,460
		total 247	total 85,905

Applicable Requirements

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

The emissions from these emission points shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit: <20% opacity (except for EP 157 which has no opacity limit)
Authority for Requirement: Polk County Board of Health Rules and Regulations
Chapter V, Article IV, Section 5-9
Polk County Construction Permit 1712 Modified #12, 3878

Pollutant: PM_{10}/PM

Emission Point	**PM_{10}/PM** **(limit for each emission point)**	**PM_{10}/PM** **(combined limit)**
1, 5, 153	0.01 gr/dscf	4.23 lb./hr. 18.53 TPY (combined limits for all emission points included in this table)
6	0.0016 gr/dscf	
157	0.05 gr/dscf	
244	0.10 gr/dscf	
245	0.077 gr/dscf	
278	0.10 gr/dscf	1.40 lb./hr.

Authority for Requirement: Polk County Board of Health Rules and Regulations
Chapter V, Article VI, Section 5-14(b)
Polk County Construction Permit 1712 Modified #12, 3878

Pollutant: VOCs
Emission Limit: Emission points comprising Tire Building shall not exceed 121.53 Tons per 12 month period rolled monthly
Authority for Requirement: Polk County Construction Permit Number 1712 Modified #12

Operational Limits & Requirements
The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Work practice standards:

For Emission Points 1, 5, 6 and 153:

* Only water-based green tire spray can be used in this booth. Water-based green tire spray means any mold release agent and lubricant applied to the inside or outside of green tires that contains 12 percent or less, by weight, of VOC as sprayed.
  - Discharge into the atmosphere no more than 1.2 grams of VOC per tire sprayed with an inside green tire spray for each month: and
  - Discharge into the atmosphere no more than 9.3 grams of VOC per tire sprayed with an outside green tire spray for each month.

* The owner or operator of each tread end cementing operation and each green tire spraying operation using water-based sprays (inside and/or outside) containing less than 1.0 percent, by weight, of VOC is not required to conduct a monthly performance test as described in 60.543(d). In lieu of conducting a monthly performance test, the owner or operator of each tread end cementing operation and each green tire spraying operation shall submit formulation data or the results of Method 24 analysis annually to verify the VOC content of each tread end cement and each green tire spray material, provided the spraying formulation has not changed during the previous 12 months. If the spray material formulation changes, formulation data or Method 24 analysis of the new spray shall be conducted to determine the VOC content of the spray and reported to the Polk County Health Officer within 30 days.
* Each owner or operator of a tread end cementing operation and green tire spraying operation using water-based cements or sprays containing less than 1.0 percent by weight of VOC, as specified under 40 CFR 60.543(b)(4), shall maintain records of formulation data or the results of Method 24 analysis conducted to verify the VOC content of the spray.

* The owner or operator of each tread end cementing operation and each green tire spraying (inside and/or outside) operation using water-based sprays containing less than 1.0 percent, by weight, of VOC as described in 40 CFR 60.543(b)(1) shall furnish the Polk County Health Officer, within 60 days initially and annually thereafter, formulation data or Method 24 results to verify the VOC content of the water-based sprays in use. If the spray formulation changes before the end of the 12-month period, formulation data or Method 24 results to verify the VOC content of the spray shall be reported within 30 days of the change.

Authority for Requirement: 40 CFR 60 Subpart BBB
567 IAC 23.1(2)"eee"
Polk County Board of Health Rules and Regulations
Chapter V, Article VI, Section 5-16(n)(57)
Polk County Construction Permit Number 1712 Modified #12

For Emission Point 278:

* The owner or operator shall maintain and operate the equipment, including control equipment, at all times in a manner consistent with good practice for minimizing emissions.

* Control equipment (wet collection system) shall be used at all times while the bladder buffer equipment is in operation.

* Facility shall perform routine maintenance and inspections as per manufacturer's guidance for the bladder buffer and control equipment.

* The facility shall maintain records of maintenance activities on equipment, including control equipment.

Authority for Requirement: Polk County Construction Permit Number 3878

Reporting and record keeping requirements: Unless specified by a federal regulation, 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 Department. Records shall be legible and maintained in an orderly manner. These records shall show the following:

See "Plant-Wide Conditions"

Emission Point Characteristics

The emission point shall conform to the specifications listed below. (EP 278)

Stack Height, (ft, from the ground): 50
Stack Opening, (inches, dia.): 36
Exhaust Flow Rate (scfm): 11,000
Exhaust Temperature (°F): 70
Discharge Style: Vertical, Unobstructed
Authority for Requirement: Polk County Construction Permit Number 3878

The temperature and flowrate 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 either the temperature or flowrate above are different than the values stated, the owner or operator shall submit a request to the Department within thirty (30) days of the discovery to determine if a permit amendment is required or submit a permit application requesting to amend the permit.

Monitoring Requirements

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

The facility shall check the opacity for each EP listed above (except EP 157) weekly, during a period when the emission unit is operating consistent with current production levels.

If visible emissions are observed corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If the corrective action does not return the EP to no visible emissions observed then a Method 9 observation will be required. If an opacity of 20% or greater is observed, this would be a violation and corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions.

If weather conditions prevent the observer from conducting an opacity observation, the observer shall note such conditions on the data observation sheet. At least three attempts shall be made to retake opacity readings at approximately 2-hour intervals throughout the day. If all observation attempts for a week have been unsuccessful due to weather, an observation shall be made the next operating day where weather permits.

The facility shall maintain a written record of the observation and any action resulting from the observation for a minimum of five years. The records shall be maintained on site and be made available to representatives of Polk County AQD upon request.

Authority for Requirement: 567 IAC 24.108(3)
Polk County Construction Permit Number 1712 Modified #12, 3878

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☒ No ☐
Required for Emission Units 1, 5, 6, 153, 157, 244, 245, 278

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.

The data pertaining to the plan shall be 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 24.108(3)

E. Power House	Babcock & Wilcox and Erie City Boilers combusting natural gas only

Emission Point ID Number: 86, 87, 89, 113

Associated Equipment

Associated Emission Unit ID Number: 86, 87, 89, 113

EP	EU	Process Description	Raw Material	Rated Capacity	Construction Permit (Polk Co.)
86	86	Babcock & Wilcox #4 Boiler	Natural Gas	96,000 CFH	0047
87	87	Erie City #5 Boiler	Natural Gas	136.0 MMBtu/hr	0047
89	89	Babcock & Wilcox #6 Boiler	Natural Gas	120,800 CFH	0047
113	113	Babcock & Wilcox #7 Boiler	Natural Gas	120,800 CFH	0177

Applicable Requirements

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from each emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit: <20% opacity
Authority for Requirement: Polk County Board of Health Rules and Regulations: Chapter V, Article IV, Section 5-9

Pollutant: PM
Emission Limit: 0.35 lb/MMBtu for emission unit 86
Authority for Requirement: Polk County Board of Health Rules and Regulations Chapter V, Article V, Section 5-12(2)

Pollutant: PM
Emission Limit: 0.33 lb/MMBtu for emission units 87, 89, 113
Authority for Requirement: Polk County Board of Health Rules and Regulations Chapter V, Article V, Section 5-12

Pollutant: SO_2
Emission Limit: 500 ppm by volume
Authority for Requirement: 567 IAC 23.3(3)"e"
Polk County Board of Health Rules and Regulations
Chapter V, Article IX, Section 5-27(5)

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 ☒

Authority for Requirement: 567 IAC 24.108(3)

F. Misc. & Other Emission Sources

Emission Point ID Number: 44

Associated Equipment

Emissions Control Equipment ID Number: 44
Emissions Control Equipment Description: Baghouse

Emission Unit vented through this Emission Point: 44
Emission Unit Description: Rubbish Packer
Raw Material/Fuel: Solid Waste
Rated Capacity: 0.8 tons/hour

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
Emission Limit: None Allowed
Authority for Requirement: Polk County Construction Permit Number 0786

Pollutant: PM_{10}
Emission Limits: 0.17 lbs/hr, 0.75 TPY
Authority for Requirement: Polk County Construction Permit Number 0786

Pollutant: PM
Emission Limit: 0.10 gr./dscf
Authority for Requirement: Polk County Board of Health Rules and Regulations
Chapter V, Article VI, Section 5-14(b)

Operational Limits & Requirements
The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Work practice standards: Routine Periodic Inspection and Maintenance
Authority for Requirement: Polk County Construction Permit #0786

Monitoring Requirements

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

EP 44 shall be visually checked for observable emissions once every week. The observation shall be taken while the trash compactor is operating. The observation shall be noted in a log book, which shall state the date, time, and whether any emissions were observed. If an opacity is observed, this would be a violation and corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If weather conditions prevent the observer from conducting an opacity observation, the observer shall note such conditions on the data observation sheet. At least three attempts shall be made to retake opacity readings at approximately 2-hour intervals throughout the day. If all observation attempts for a week have been unsuccessful due to weather, an observation shall be made the next operating day where weather permits. The log book will be maintained on site for 5 years and be made available to representatives of Polk County AQD upon request.

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.

The data pertaining to the plan shall be 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 24.108(3)

Emission Point ID Number: 149

Emission Unit vented through this Emission Point: 149
Emission Unit Description: Caterpillar Model SR-4 Standby Generator, with 268 HP Engine Model 3306
Raw Material/Fuel: Diesel
Rated Capacity: 180 kW, 219 KVA

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
Emission Limit: Less than 20% opacity
Authority for Requirement: Polk County Board of Health Rules and Regulations
Chapter V, Article IV, Section 5-9

Pollutant: PM
Emission Limit: 0.10 gr/scf
Authority for Requirement: Polk County Board of Health Rules and Regulations
Chapter V, Article VI, Section 5-14(b)

Pollutant: SO_2
Emission Limit: 0.5 lb/MMBtu
Authority for Requirement: Polk County Board of Health Rules and Regulations
Chapter V, Article IX, Section 5-27(2)(b)

Operational Limits & Requirements
The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Process throughput:
1. No person shall allow, cause or permit the combustion of number 1 or number 2 fuel oil exceeding a sulfur content of 0.5 percent by weight.

Authority for Requirement: 567 IAC 23.3(3)"b"(1)

Reporting and Recordkeeping:
The following records shall be maintained on-site for five (5) years and available for inspection upon request by representatives of the Polk County Air Quality Division:

1. The facility shall monitor the percent of sulfur by weight in the fuel oil as delivered. The documentation may be vendor supplied or facility generated.

Authority for Requirement: Polk County Board of Health Rules and Regulations Chapter V, Article II, Section 5-4

NESHAP:
The emergency engine is subject to 40 CFR 63 Subpart ZZZZ - National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE). According to 40 CFR 63.6590(a)(1)(iii) this compression ignition emergency engine, located at an area source, is an existing stationary RICE as it was constructed prior to June 12, 2006.

Compliance Date
Per 63.6595(a)(1) you must comply with the provisions of Subpart ZZZZ that are applicable by May 3, 2013.

Operation and Maintenance Requirements 40 CFR 63.6603, 63.6625, 63.6640 and Tables 2d and 6 to Subpart ZZZZ

1. Change oil and filter every 500 hours of operation or annually, whichever comes first. (See 63.6625(i) for the oil analysis option to extend time frame of requirements.)
2. Inspect air cleaner every 1000 hours of operation or annually, whichever comes first, and replace as necessary.
3. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.
4. Operate and maintain the stationary RICE and after-treatment control device (if any) according to the manufacturer's emission related written instructions or develop your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.
5. Install a non-resettable hour meter if one is not already installed.
6. Minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes.

Operating Limits 40 CFR 63.6640(f)

1. Any operation other than emergency operation, maintenance and testing, emergency demand response and operation in non-emergency situations (*up to*) 50 hours per year is prohibited.
2. There is no time limit on the use of emergency stationary RICE in emergency situations.

3. You may operate your emergency stationary RICE up to 100 combined hours per calendar year for maintenance checks and readiness testing. See 40 CFR 63.6640(f)(2) for additional information and restrictions.
4. You may operate your emergency stationary RICE up to 50 hours per calendar year for non-emergency situations, but those 50 hours are counted toward the 100 hours of maintenance and testing and emergency demand response. Except as provided in 40 CFR 63.6640(f)(4)(i) and (ii), the 50 hours per year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity.

Recordkeeping Requirements 40 CFR 63.6655

1. Keep records of the maintenance conducted on the stationary RICE.
2. Keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. Document how many hours are spend for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation. See 40 CFR 63.6655(f) for additional information.

Notification and Reporting Requirements 40 CFR 63.6645, 63.6650 and Table 2d to Subpart ZZZZ

1. An initial notification is not required per 40 CFR 63.6645(a)(5)
2. A report may be required for failure to perform the work practice requirements on the schedule required in Table 2d. (See Footnote 2 of Table 2d for more information.)

Authority for Requirement: 40 CFR Part 63 Subpart ZZZZ
567 IAC 23.1(4)"cz"
Polk County Board of Health Rules and Regulations Chapter V, Article VIII, Section 5-20(zzzz)

Monitoring Requirements

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

Visible Emissions (VE) shall be observed during testing and maintenance periods to ensure none occur during normal operating conditions of the unit. No visible emissions are expected from this emission point under normal operating conditions. If visible emissions are observed, corrective action will be taken as soon as possible, but no later than eight (8) hours from the observation of visible emissions. If corrective action does not return the observation to no visible emissions, then a Method 9 observation will be required. If an opacity greater than or equal to 20 % is observed, this would be a violation and corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If weather conditions prevent the observer from conducting a VE observation, the observer shall note such conditions on the data observation sheet. At least three attempts shall be made to retake VE readings at approximately 2-hour intervals throughout the day. If all observation attempts for a week have been unsuccessful due to weather, a VE observation shall be made during the next operating day where weather permits.

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 24.108(3)

Emission Point ID Number: 160, 161

Associated Equipment

EP	EU	Process Description	Raw Material	Rated Capacity	Construction permit
160	160	Underground Storage Tank #1	Solvent	15,000 Gallons	0821
161	161	Underground Storage Tank #2	Solvent	15,000 Gallons	0822

Applicable Requirements

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from each emission point shall not exceed the levels specified below.

Pollutant: VOC
Emission Limits: 0.2877 lbs/hr, 1.26 TPY for each individual tank
Authority for Requirement: Polk County Construction Permit Number 0821
Polk County Construction Permit Number 0822

Operational Limits & Requirements
The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Reporting & Record keeping: Breathing and/or working losses shall be calculated and submitted as Title V Emission Data. Records showing the dimension of the storage vessel shall be kept readily accessible, on site, and made available to representatives of this department upon request.
Authority for Requirement: Polk County Construction Permit Number 0821
Polk County Construction Permit Number 0822

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 ☒

Authority for Requirement: 567 IAC 24.108(3)

Emission Point ID Number: 162, 163, 164

Associated Equipment

EP	EU	EU Description	Raw Material	Rated Capacity	Construction Permit
162	162	Underground Storage Tank #4	Solvent	6,000 gallon	Exempt
163	163	Underground Storage Tank #5	Solvent	6,000 gallon	Exempt
164	164	Underground Storage Tank #3	Solvent	4,000 gallon	Exempt

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.

No applicable emission limits at this time. See the Facility-Wide Section for the facility-wide HAP limit requirements.

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 ☒

Authority for Requirement: 567 IAC 24.108(3)

Emission Point ID Number: GAS1TK

Associated Equipment
Emission Unit vented through this Emission Point: GAS1TK
Emission Unit Description: Double Walled Storage Tank
Raw Material/Fuel: Gasoline
Rated Capacity: 500 gallon

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.

No applicable emission limits at this time. See the Facility-Wide Section for the facility-wide HAP limit requirements.

Operational Limits & Requirements
The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

NESHAP:
The tank is subject to 40 CFR 63 Subpart CCCCCC - National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Dispensing Facilities. According to 40 CFR 63.11111(b) this storage tank, located at an area source, is an existing storage tank as it was constructed in December 2007.

§63.11115 What are my general duties to minimize emissions?
Each owner or operator of an affected source under this subpart must comply with the requirements of paragraphs (a) and (b) of this section.
(a) You must, at all times, operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.
(b) You must keep applicable records as specified in §63.11125(d).

§63.11116 Requirements for facilities with monthly throughput of less than 10,000 gallons of gasoline.
(a) You must not allow gasoline to be handled in a manner that would result in vapor releases to the atmosphere for extended periods of time. Measures to be taken include, but are not limited to, the following:
(1) Minimize gasoline spills;

(2) Clean up spills as expeditiously as practicable;
(3) Cover all open gasoline containers and all gasoline storage tank fill-pipes with a gasketed seal when not in use;
(4) Minimize gasoline sent to open waste collection systems that collect and transport gasoline to reclamation and recycling devices, such as oil/water separators.
(b) You are not required to submit notifications or reports as specified in §63.11125, §63.11126, or subpart A of this part, but you must have records available within 24 hours of a request by the Administrator to document your gasoline throughput.
(c) You must comply with the requirements of this subpart by the applicable dates specified in §63.11113.
(d) Portable gasoline containers that meet the requirements of 40 CFR part 59, subpart F, are considered acceptable for compliance with paragraph (a)(3) of this section.

§63.11125 What are my recordkeeping requirements?
(d) Each owner or operator of an affected source under this subpart shall keep records as specified in paragraphs (d)(1) and (2) of this section.
(1) Records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment.
(2) Records of actions taken during periods of malfunction to minimize emissions in accordance with §63.11115(a), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.

Authority for Requirement: 46 CFR 63 Subpart CCCCCC
567 IAC 23.1(4)"ec"
Polk County Board of Health Rules and Regulations
Chapter V, Article VIII, Section 5-20(cccccc)

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 ☒

Authority for Requirement: 567 IAC 24.108(3)

Emission Point ID Number: 246

Emission Unit vented through this Emission Point: 246
Emission Unit Description: Welding Exhaust
Raw Material/Fuel: Welding Wire
Rated Capacity: 150 lbs/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: Opacity
Emission Limit: None Allowed
Authority for Requirement: Polk County Construction Permit Number 0787

Pollutant: PM_{10}
Emission Limits: 0.0479 lbs/hr, 0.21 TPY
Authority for Requirement: Polk County Construction Permit Number 0787

Pollutant: PM
Emission Limit: 0.10 gr/dscf
Authority for Requirement: Polk County Board of Health Rules and Regulations
Chapter V, Article VI, Section 5-14(b)

Operational Limits & Requirements
The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Work practice standards: Routine Maintenance and Inspection
Authority for Requirement: Polk County Construction Permit Number 0787

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 ☒

Authority for Requirement: 567 IAC 24.108(3)

Emission Point ID Number: 252

Emission Unit vented through this Emission Point: 252
Emission Unit Description: General Motors Model 6-71N-1063-7008 Fire Pump
Raw Material/Fuel: Diesel
Rated Capacity: 10.5 gallons/hr., 192 BHP

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
Emission Limit: Less than 20% opacity
Authority for Requirement: Polk County Construction Permit Number 0824
Polk County Board of Health Rules and Regulations
Chapter V, Article IV, Section 5-9

Pollutant: PM_{10}
Emission Limits: 0.20 lbs/hr, 0.88 TPY
Authority for Requirement: Polk County Construction Permit Number 0824

Pollutant: PM
Emission Limit: 0.10 gr/dscf
Authority for Requirement: Polk County Board of Health Rules and Regulations
Chapter V, Article VI, Section 5-14(b)

Pollutant: SO_2
Emission Limits: 0.73 lbs/hr, 3.20 TPY
Authority for Requirement: Polk County Construction Permit Number 0824

Pollutant: NO_x
Emission Limits: 4.87 lbs/hr, 21.33 TPY
Authority for Requirement: Polk County Construction Permit Number 0824

Pollutant: VOC
Emission Limits: 0.17 lbs/hr, 0.74 TPY
Authority for Requirement: Polk County Construction Permit Number 0824

Pollutant: CO
Emission Limits: 4.30 lbs/hr, 18.83 TPY
Authority for Requirement: Polk County Construction Permit Number 0824

Operational Limits & Requirements

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

Process throughput:

1. No person shall allow, cause or permit the combustion of number 1 or number 2 fuel oil exceeding a sulfur content of 0.5 percent by weight.

Authority for Requirement: 567 IAC 23.3(3)"b"(1)

Reporting and Recordkeeping:

The following records shall be maintained on-site for five (5) years and available for inspection upon request by representatives of the Polk County Air Quality Division:

1. The facility shall monitor the percent of sulfur by weight in the fuel oil as delivered. The documentation may be vendor supplied or facility generated

Authority for Requirement: Polk County Board of Health Rules and Regulations Chapter V, Article II, Section 5-4

NESHAP:

The emergency engine is subject to 40 CFR 63 Subpart ZZZZ - National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE). According to 40 CFR 63.6590(a)(1)(iii) this compression ignition emergency engine, located at an area source, is an existing stationary RICE as it was constructed prior to June 12, 2006.

Compliance Date

Per 63.6595(a)(1) you must comply with the provisions of Subpart ZZZZ that are applicable by May 3, 2013.

Operation and Maintenance Requirements 40 CFR 63.6603, 63.6625, 63.6640 and Tables 2d and 6 to Subpart ZZZZ

1. Change oil and filter every 500 hours of operation or annually, whichever comes first. (See 63.6625(i) for the oil analysis option to extend time frame of requirements.)
2. Inspect air cleaner every 1000 hours of operation or annually, whichever comes first, and replace as necessary.
3. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.
4. Operate and maintain the stationary RICE and after-treatment control device (if any) according to the manufacturer's emission related written instructions or develop your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.
5. Install a non-resettable hour meter if one is not already installed.

6. Minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes.

Operating Limits 40 CFR 63.6640(f)

1. Any operation other than emergency operation, maintenance and testing, emergency demand response and operation in non-emergency situations (*up to*) 50 hours per year is prohibited.
2. There is no time limit on the use of emergency stationary RICE in emergency situations.
3. You may operate your emergency stationary RICE up to 100 combined hours per calendar year for maintenance checks and readiness testing. See 40 CFR 63.6640(f)(2) for additional information and restrictions.
4. You may operate your emergency stationary RICE up to 50 hours per calendar year for non-emergency situations, but those 50 hours are counted toward the 100 hours of maintenance and testing and emergency demand response. Except as provided in 40 CFR 63.6640(f)(4)(i) and (ii), the 50 hours per year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity.

Recordkeeping Requirements 40 CFR 63.6655

1. Keep records of the maintenance conducted on the stationary RICE.
2. Keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. Document how many hours are spend for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation. See 40 CFR 63.6655(f) for additional information.

Notification and Reporting Requirements 40 CFR 63.6645, 63.6650 and Table 2d to Subpart ZZZZ

1. An initial notification is not required per 40 CFR 63.6645(a)(5)
2. A report may be required for failure to perform the work practice requirements on the schedule required in Table 2d. (See Footnote 2 of Table 2d for more information.)

Authority for Requirement: 40 CFR Part 63 Subpart ZZZZ
567 IAC 23.1(4)"cz"
Polk County Board of Health Rules and Regulations Chapter V, Article VIII, Section 5-20(zzzz)

Monitoring Requirements

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

Visible Emissions (VE) shall be observed during testing and maintenance periods to ensure none occur during normal operating conditions of the unit. No visible emissions are expected from this emission point under normal operating conditions. If visible emissions are observed, corrective action will be taken as soon as possible, but no later than eight (8) hours from the observation of visible emissions. If corrective action does not return the observation to no visible emissions, then a Method 9 observation will be required. If an opacity greater than or equal to 20 % is observed, this would be a violation and corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If weather conditions prevent the observer from conducting a VE observation, the observer shall note such conditions on the data observation sheet. At least three attempts shall be made to retake VE readings at approximately 2-hour intervals throughout the day. If all observation attempts for a week have been unsuccessful due to weather, a VE observation shall be made during the next operating day where weather permits.

Reporting & Record keeping: Maintain a written record of the observation and any action resulting from the observation. Records required shall be maintained on-site for five (5) years and be made available to representatives of Polk County AQD upon request

Authority for Requirement: 567 IAC 24.108(3)"b"

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 24.108(3)

Emission Point ID Number: 269

Emission Unit vented through these Emission Points: 269
Emission Unit Description: Caterpillar Model D3412 Standby Generator
Raw Material/Fuel: Diesel
Rated Capacity: 500 kW, 1786 in^3 displacement

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
Emission Limit: Less than 20% opacity
Authority for Requirement: Polk County Construction Permit Number 1209
Polk County Board of Health Rules and Regulations
Chapter V, Article IV, Section 5-9

Pollutant: PM_{10}
Emission Limits: 1.75 lbs/hr, 0.44 TPY
Authority for Requirement: Polk County Construction Permit Number 1209

Pollutant: PM
Emission Limit: 0.10 gr/dscf
Authority for Requirement: Polk County Board of Health Rules and Regulations
Chapter V, Article VI, Section 5-14(b)

Pollutant: SO_2
Emission Limits: 2.86 lbs/hr, 0.71 TPY
Authority for Requirement: Polk County Construction Permit Number 1209

Pollutant: NO_x
Emission Limits: 24.96 lbs/hr, 6.24 TPY
Authority for Requirement: Polk County Construction Permit Number 1209

Pollutant: VOC
Emission Limits: 2.04 lbs/hr, 0.51 TPY
Authority for Requirement: Polk County Construction Permit Number 1209

Pollutant: CO
Emission Limits: 5.38 lbs/hr, 1.34 TPY
Authority for Requirement: Polk County Construction Permit Number 1209

Operational Limits & Requirements

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

Process throughput:

1. No person shall allow, cause or permit the combustion of number 1 or number 2 fuel oil exceeding a sulfur content of 0.5 percent by weight.

Authority for Requirement: 567 IAC 23.3(3)"b"(1)

Reporting and Recordkeeping:

The following records shall be maintained on-site for five (5) years and available for inspection upon request by representatives of the Polk County Air Quality Division:

1. The facility shall monitor the percent of sulfur by weight in the fuel oil as delivered. The documentation may be vendor supplied or facility generated

Authority for Requirement: Polk County Board of Health Rules and Regulations Chapter V, Article II, Section 5-4

Work practice standards: Hours of operation: Unit shall be equipped with an operable non-resettable totalizing hour meter. Hour meter readings shall be logged on site monthly. Log shall be made available to representatives of Polk County AQD upon request. Hours of operation shall be limited to 500 hours per 12 month period rolled monthly.

Authority for Requirement: Polk County Construction Permit Number 1209

NESHAP:

The emergency engine is subject to 40 CFR 63 Subpart ZZZZ - National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE). According to 40 CFR 63.6590(a)(1)(iii) this compression ignition emergency engine, located at an area source, is an existing stationary RICE as it was constructed prior to June 12, 2006.

Compliance Date

Per 63.6595(a)(1) you must comply with the provisions of Subpart ZZZZ that are applicable by May 3, 2013.

Operation and Maintenance Requirements 40 CFR 63.6603, 63.6625, 63.6640 and Tables 2d and 6 to Subpart ZZZZ

1. Change oil and filter every 500 hours of operation or annually, whichever comes first. (See 63.6625(i) for the oil analysis option to extend time frame of requirements.)
2. Inspect air cleaner every 1000 hours of operation or annually, whichever comes first, and replace as necessary.
3. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

4. Operate and maintain the stationary RICE and after-treatment control device (if any) according to the manufacturer's emission related written instructions or develop your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.
5. Install a non-resettable hour meter if one is not already installed.
6. Minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes.

Operating Limits 40 CFR 63.6640(f)

1. Any operation other than emergency operation, maintenance and testing, emergency demand response and operation in non-emergency situations (*up to*) 50 hours per year is prohibited.
2. There is no time limit on the use of emergency stationary RICE in emergency situations.
3. You may operate your emergency stationary RICE up to 100 combined hours per calendar year for maintenance checks and readiness testing. See 40 CFR 63.6640(f)(2) for additional information and restrictions.
4. You may operate your emergency stationary RICE up to 50 hours per calendar year for non-emergency situations, but those 50 hours are counted toward the 100 hours of maintenance and testing and emergency demand response. Except as provided in 40 CFR 63.6640(f)(4)(i) and (ii), the 50 hours per year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity.

Recordkeeping Requirements 40 CFR 63.6655

1. Keep records of the maintenance conducted on the stationary RICE.
2. Keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. Document how many hours are spend for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation. See 40 CFR 63.6655(f) for additional information.

Notification and Reporting Requirements 40 CFR 63.6645, 63.6650 and Table 2d to Subpart ZZZZ

1. An initial notification is not required per 40 CFR 63.6645(a)(5)
2. A report may be required for failure to perform the work practice requirements on the schedule required in Table 2d. (See Footnote 2 of Table 2d for more information.)

Authority for Requirement: 40 CFR Part 63 Subpart ZZZZ
567 IAC 23.1(4)"cz"
Polk County Board of Health Rules and Regulations Chapter V, Article VIII, Section 5-20(zzzz)

Monitoring Requirements

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

Visible Emissions (VE) shall be observed during testing and maintenance periods to ensure none occur during normal operating conditions of the unit. No visible emissions are expected from this emission point under normal operating conditions. If visible emissions are observed, corrective action will be taken as soon as possible, but no later than eight (8) hours from the observation of visible emissions. If corrective action does not return the observation to no visible emissions, then a Method 9 observation will be required. If an opacity greater than or equal to 20 % is observed, this would be a violation and corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If weather conditions prevent the observer from conducting a VE observation, the observer shall note such conditions on the data observation sheet. At least three attempts shall be made to retake VE readings at approximately 2-hour intervals throughout the day. If all observation attempts for a week have been unsuccessful due to weather, a VE observation shall be made during the next operating day where weather permits.

Reporting & Record keeping: Maintain a written record of the observation and any action resulting from the observation. Records required shall be maintained on-site for five (5) years and be made available to representatives of Polk County AQD upon request

Authority for Requirement: 567 IAC 24.108(3)"b"

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 24.108(3)

Emission Point ID Number: 271

Associated Equipment

Emissions Control Equipment ID Numbers: CE 271a; CE 271b
Emissions Control Equipment Description: (CE271a) Spencer Turbine Model Ch 930CB Cyclone Separator; (CE271b) Spencer Turbine Model KH 946LYM Fabric Filter

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Emission Unit vented through this Emission Point: 271
Emission Unit Description: Central Vacuum System
Raw Material/Fuel: Carbon Black, Pigments
Rated Capacity: 100 lbs/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: Opacity
Emission Limit: 20%
Authority for Requirement: Polk County Construction Permit Number 1613
Polk County Board of Health Rules and Regulations
Chapter V, Article IV, Section 5-9

Pollutant: PM_{10}
Emission Limits: 0.51 lbs/hr, 2.25 TPY
Authority for Requirement: Polk County Construction Permit Number 1613

Pollutant: PM
Emission Limit: 0.10 gr./dscf
Authority for Requirement: Polk County Board of Health Rules and Regulations
Chapter V, Article VI, Section 5-14(b)

Operational Limits & Requirements
The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Work practice standards: Routine Periodic Inspection and Maintenance
Authority for Requirement: Polk County Construction Permit Number 1613

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height: 39.5 feet (from the ground)
Stack Opening: 8 inches (diameter)
Exhaust Flow Rate: 600 scfm
Exhaust Temperature: Ambient
Discharge Style: 90 degree elbow
Authority for Requirement: Polk County AQD Construction Permit Number 1613

The temperature and flowrate 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 characteristics above are different than the values stated, the owner or operator shall submit a request either by electronic mail or written correspondence to the Department within 30 days of the discovery to determine if a permit amendment is required, or submit a permit application requesting to amend the permit.

Monitoring Requirements

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

Emission Point 271 shall be visually checked for observable emissions once every week by a designated observer. The observation shall be taken during a period when the emission unit is operating consistent with current production levels. The observation shall be noted in a log book, which shall state the date, time, and whether any emissions were observed. If visible emissions are observed, corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If corrective action does not return the observation to no visible emissions, then a Method 9 observation will be required. If an opacity $\geq$20% is observed, this would be a violation and corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If weather conditions prevent the observer from conducting an opacity observation, the observer shall note such conditions on the data observation sheet. At least three attempts shall be made to retake opacity readings at approximately 2-hour intervals throughout the day. If all observation attempts for a week have been unsuccessful due to weather, an observation shall be made the next operating day where weather permits. The log book will be maintained on site for 5 years and be made available to representatives of Polk County AQD upon request.

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.

The data pertaining to the plan shall be 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 24.108(3)

Emission Point ID Number: 277

Emission Unit vented through these Emission Points: 277
Emission Unit Description: Cummins Model QSB7-G5 Emergency Generator
Raw Material/Fuel: Diesel
Rated Capacity: 306.2 bhp

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
Emission Limit: Less than 20% opacity
Authority for Requirement: Polk County Construction Permit Number 3649
Polk County Board of Health Rules and Regulations
Chapter V, Article IV, Section 5-9

Pollutant: PM_{10}
Emission Limits: 0.68 lbs/hr, 0.17 TPY
Authority for Requirement: Polk County Construction Permit Number 3649

Pollutant: PM
Emission Limits: 0.68 lbs/hr, 0.17 TPY, and 0.10 gr/dscf
Authority for Requirement: Polk County Construction Permit Number 3649
Polk County Board of Health Rules and Regulations
Chapter V, Article VI, Section 5-14(b)

Pollutant: SO_2
Emission Limits: 0.63 lbs/hr, 0.16 TPY, and 0.5 lb/MMBtu
Authority for Requirement: Polk County Construction Permit Number 3649
Polk County Board of Health Rules and Regulations
Chapter V, Article IX, Section 5-27

Pollutant: NO_x
Emission Limits: 9.50 lbs/hr, 2.38 TPY
Authority for Requirement: Polk County Construction Permit Number 3649

Pollutant: VOC
Emission Limits: 0.77 lbs/hr, 0.20 TPY
Authority for Requirement: Polk County Construction Permit Number 3649

Pollutant: CO
Emission Limits: 2.37 lbs/hr, 0.60 TPY
Authority for Requirement: Polk County Construction Permit Number 3649
40 CFR 1039, Appendix I, Table 3

Operational Limits & Requirements

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

NSPS Requirements:

*The owner or operator shall comply with all applicable requirements of 40 CFR 60 subpart IIII-Standards of Performance for Stationary Compression Ignition Internal Combustion Engines.

*§60.4205(b) must comply with emission standards for new engines in §60.4202.

*§60.4202(a)(2) must comply with Tier 2 or Tier 3 emission standards for new nonroad CI engines as described in 40 CFR 1039, Appendix I, for all pollutants.

The emission standards that the engine must be certified by the manufacturer to meet are:

Pollutant	Emission Standard	Regulatory Basis
Particulate Matter (PM)	0.20 grams/kW-hr	40 CFR 1039, Appendix I, Table 3
NMHC+NOx	4.0 grams/kW-hr	40 CFR 1039, Appendix I, Table 3
Carbon Monoxide (CO)	3.5 grams/kW-hr	40 CFR 1039, Appendix I, Table 3

* §60.4206 owners and operators must operate and maintain stationary CI ICE that achieve the emission standards as required in §§60.4204 and 60.4205 over the entire life of the engine.

* The owner or operator must use fuel that meets requirements of §60.4207.

*The owner or operator shall meet the applicable monitoring requirements of §60.4209.

*The owner or operator shall meet the applicable monitoring requirements of §60.4211.

*The owner or operator shall operate and maintain the stationary CI internal combustion engine and control device according to the manufacturer's emission related written instructions per §60.4211(a)(1).

*The owner or operator shall change only those emission-related settings that are permitted by the manufacturer per §60.4211(a)(2).

*The owner or operator shall meet the requirements of 40 CFR part 1068 as they apply to you per §60.4211(a)(3).

*The owner or operator shall comply with the emission standards by purchasing an engine certified to the emission standards in §60.4204(b), or §60.4205(b) or (c), as applicable, for the same model year and maximum engine power. The engine must be installed and configured according to the manufacturer's emission-related specifications per §60.4211(c), except as permitted in paragraph (g) of this section.

* If you own or operate an emergency stationary ICE, per §60.4211 (f)(1) there is no time limit on the use in emergency situations.

* If you own or operate an emergency stationary ICE, you must operate the emergency stationary ICE according to the requirements in §60.4211 (f)(2). In order for the engine to be considered an emergency stationary ICE under this subpart, any operation other than emergency operation, maintenance and testing, emergency demand response, and operation in non-emergency situations for 50 hours per year, as described in paragraph (f)(2) of this section, is prohibited.
* If you do not install, configure, operate, and maintain your engine and control device according to the manufacturer's emission-related written instructions, or you change emission-related settings in a way that is not permitted by the manufacturer, you must demonstrate compliance as required by §60.4211(g)(1), (2), and (3) per §60.4211(g).
* Any required compliance testing shall be performed according to the methods and procedures of §60.4212.
* The owner or operator shall record the run time each time the unit is operated. The log shall indicate the purpose of the operation, ie. maintenance check, readiness testing or emergency use per §60.4214
* The owner or operator shall comply with the applicable notification, reporting, and recordkeeping requirements of §60.4214.
* Fuel supplier certification of sulfur content shall be kept on site for each delivery of fuel oil purchased.

NOTE: The absence of the inclusion of any NSPS requirements as part of this permit does not relieve the owner or operator from any obligation to comply with all applicable NSPS conditions.

Authority for Requirement: 40 CFR Part 60 Subpart IIII
567 IAC 23.1 (2)"iiii"
Polk County Board of Health Rules and Regulations Chapter V, Article VI, Section 5-16(n)(77)
Polk County Construction Permit Number 3649

NESHAP Requirements:

* The owner or operator shall comply with all applicable requirements of 40 CFR 63 subpart ZZZZ -National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines.
* Per §63.6590(c) the facility satisfies all requirements of this subpart by complying with 40 CFR 60 subpart IIII.

NOTE: The absence of the inclusion of any NESHAP requirements as part of this permit does not relieve the owner or operator from any obligation to comply with all applicable NESHAP conditions.

Authority for Requirement: 40 CFR Part 63 Subpart ZZZZ
567 IAC 23.1(4)"cz"
Polk County Board of Health Rules and Regulations Chapter V, Article VIII, Section 5-20(zzzz)
Polk County Construction Permit Number 3649

Hours of operation:
* Operation shall be limited to one hundred (500) hours per twelve (12) month period rolled and totaled monthly.
* A non-resettable totalizing hour meter shall be installed on the unit.
* The owner or operator shall maintain the following monthly records:

i) the number of hours that the engine is operated for maintenance checks and readiness testing.

ii) the number of hours that the engine is operated for allowed non-emergency operations.

iii) the total number of hours that the engine is operated.

iv) each of the above records shall include the rolling 12-month total of hours for each category of operation (i.e. maintenance and readiness testing, non-emergency use, total hours of operation).

Process throughput:
* No person shall allow, cause or permit the combustion of number 1 or number 2 fuel oil exceeding a sulfur content of 0.5 percent by weight.

Authority for Requirement: 567 IAC 23.3(3)"b"(1)
* The facility shall monitor the percent of sulfur by weight in the fuel oil as delivered. The documentation may be vendor supplied or facility generated.

Authority for Requirement: Polk County Board of Health Rules and Regulations Chapter V, Article II, Section 5-4

Work practice standards:
* The generator shall be operated in a manner consistent with the definition of an emergency stationary internal combustion engine per §60.4219.

Reporting & Record keeping:
* All records shall be kept on site for a minimum period of five years and be made available to Polk County Air Quality personnel upon request.

Authority for Requirement: 40 CFR Part 60 Subpart IIII
567 IAC 23.1 (2)"iiii"
Polk County Board of Health Rules and Regulations Chapter V, Article VI, Section 5-16(n)(77)
Polk County Construction Permit Number 3649

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height: 9.8 feet (from the ground)
Stack Opening: 3 inches (diameter)
Exhaust Flow Rate: 1439 scfm
Exhaust Temperature: 954 °F
Discharge Style: Horizontal
Authority for Requirement: Polk County AQD Construction Permit Number 3649

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.

Visible Emissions (VE) shall be observed during testing and maintenance periods to ensure none occur during normal operating conditions of the unit. No visible emissions are expected from this emission point under normal operating conditions. If visible emissions are observed, corrective action will be taken as soon as possible, but no later than eight (8) hours from the observation of visible emissions. If corrective action does not return the observation to no visible emissions, then a Method 9 observation will be required. If an opacity greater than or equal to 20 % is observed, this would be a violation and corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If weather conditions prevent the observer from conducting a VE observation, the observer shall note such conditions on the data observation sheet. At least three attempts shall be made to retake VE readings at approximately 2-hour intervals throughout the day. If all observation attempts for a week have been unsuccessful due to weather, a VE observation shall be made during the next operating day where weather permits.

Reporting & Record keeping: Maintain a written record of the observation and any action resulting from the observation. Records required shall be maintained on-site for five (5) years and be made available to representatives of Polk County AQD upon request

Authority for Requirement: 567 IAC 24.108(3)"b"

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 24.108(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 (IAC). When 567 IAC as amended May 15, 2024, and cited in this permit becomes State Implementation Plan (SIP) approved, it will supersede 567 IAC as amended February 8, 2023. Prior to May 15, 2024, all Title V rule citations in this Title V permit were found and cited in 567 IAC Chapter 22. During the period from May 15, 2024, to the date that 567 IAC as amended May 15, 2024, is approved into the SIP, both 567 IAC as amended May 15, 2024, and 567 IAC as amended February 8, 2023 form the legal basis for the applicable requirements included in this permit. A crosswalk showing the citation changes is attached to this permit in Appendix 2.

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 24.108(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 24.105(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 24.108(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 24.108(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 24.108(9)"b"*
6. For applicable requirements with which the permittee is in compliance, the permittee shall continue to comply with such requirements. For applicable requirements that will become effective during the permit term, the permittee shall meet such requirements on a timely basis. *567 IAC 24.108(15)"c"*

G2. Permit Expiration

1. Except as provided in rule 567—24.104(455B), permit expiration terminates a source’s right to operate unless a timely and complete application for renewal has been submitted in accordance with rule 567—24.105(455B). *567 IAC 24.116(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 submit on forms or electronic format specified by the Department. Additional copies to local programs or EPA are not required for application materials submitted through the electronic format specified by the Department. 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 24.105(2). *567 IAC 24.105*

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 24.107(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 Polk County Air Quality Division. *567 IAC 24.108(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 24.107(4). The semi-annual monitoring report shall be submitted to the director and Polk County Air Quality Division. *567 IAC 24.108 (5)*

G6. Annual Fee

1. The permittee is required under subrule 567 IAC 24.106 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 emissions inventory shall be submitted annually by March 31 with forms specified by the department documenting actual emissions for the previous calendar year.
4. The fee shall be submitted annually by July 1 with forms specified by the department.
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 24.115(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 24.108 (15)"b"* and *Chapter V, Article II, 5-3 and 5-4.*

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 24.108 (9)"e"* and *Chapter V, Article X, 5-46 and 5-47.*

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 21.8(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 24.108(4), 567 IAC 24.108(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 24;

b. Compliance test methods specified in 567 Chapter 21; or

c. Testing or monitoring methods approved for the source in a construction permit issued pursuant to 567 Chapter 24.

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 24.108(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) 725-8694 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. A variance from this subrule may be available as provided for in Iowa Code section 455B.143. 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. Initial 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 21.10(6). An initial report of excess emission is not required for a source with operational continuous monitoring equipment (as specified in 567-subrule 21.10(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 initial report may be made by electronic mail (E-mail), 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 initial 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 21.7(1)-567 IAC 21.7(4)* and *Chapter V, Article VI, 5-17.*

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 24.108(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)* This notification must be made to Polk County Air Quality Division, in lieu of the Department, upon adoption of the NSPS or NESHAP into Chapter V.

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 24.
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 (revisions affecting Title IV permitting are addressed in rules 567—24.140(455B) through 567 - 24.144(455B));.

e. The changes comply with all applicable requirements.

f. For each such 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.

567 IAC 24.110(1)

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 24.110(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 24.110(1). *567 IAC 24.110(3)*

4. The permit shield provided in subrule 24.108(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 24.110(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 24.108(11)*

G18. Duty to Modify a Title V Permit

1. Administrative Amendment.

a. An administrative permit amendment is a permit revision that does 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 Title V Permit Modification.

a. Minor Title V permit modification procedures may be used only for those permit modifications that satisfy all of the following:

i. Do not violate any applicable requirement;

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 an 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 under rule 567 - 24.113(455B).

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 24.107(4), that the proposed modification meets the criteria for use of 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 24.107(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 24.112(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, the existing permit terms and conditions it seeks to modify may be enforced against the facility.

3. Significant Title V 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 24, including those for applications, public participation, review by affected states, and review by the administrator, as those requirements that apply to Title V issuance and renewal.

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 24.111-567 IAC 24.113*

G19. Duty to Obtain Construction Permits

Unless exempted in 567 IAC 24.1(2) and Chapter V, Article X, 5-33, or to meet the parameters established in 567 IAC 24.1(1)"c", the permittee shall not construct, install, reconstruct or alter any equipment, control equipment or anaerobic lagoon without first obtaining a construction permit, or conditional permit, or permit pursuant to rule 567 IAC 24.8 & Polk County Chapter V, Article X, 5-28, or permits required pursuant to rules 567 IAC 24.4, 567 IAC 24.5, 567 IAC 31.3, and 567 IAC 33.3 as required in 567 IAC 24.1(1). A permit shall be obtained prior to the initiation of construction, installation or alteration of any portion of the stationary source or anaerobic lagoon. *567 IAC 24.1(1)* and *Chapter V, Article X, 5-28.*

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 (*567 IAC 23.1(3)"a");* training fires and controlled burning of a demolished building *(567 IAC 23.2).*

G21. Open Burning

The permittee is prohibited from conducting open burning, except as provided in *Chapter V, Article III, 5-7- 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 24.108(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 or greenhouse gas generating substances 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 24.108(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 24.108(17)"a", 567 IAC 24.108(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 24.114(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 24.114(2)*

5. A notice of intent shall be provided to the Title V source at least 30 days in advance of the date the permit is to be reopened, except that the director may provide a shorter time period in the case of an emergency. *567 IAC 24.114(3)*

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 24.108 (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 24.108 (8)* and *Chapter V, Article XVII, 5-77*.

G27. Property Rights

The permit does not convey any property rights of any sort, or any exclusive privilege. *567 IAC 24.108 (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 consistent with the requirements of 567 IAC 24.111(1). *567 IAC 24.111 (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 24.3(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. 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. If the owner or operator does not provide timely notice to the department, the department shall not consider the test results or performance evaluation results to be a valid demonstration of compliance with applicable rules or permit conditions. Upon written request, the department may allow a notification period of less than 30 days. At the department's request, a pretest meeting shall be held not later than 15 days prior to conducting the compliance demonstration. A testing protocol shall be submitted to the department no later than 15 days before the owner or operator conducts the compliance demonstration. 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 (42 days) 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
6200 Park Ave
Suite 200
Des Moines, IA 50321
(515) 343-6589

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 21.10(7)"a", 567 IAC 21.10(9) and *Chapter V, Article VII, 5-18 and 5-19.*

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:

Iowa Compliance Officer
Air Branch
Enforcement and Compliance Assurance Division
U.S. EPA Region 7
11201 Renner Blvd.
Lenexa, KS 66219
(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
6200 Park Ave
Suite 200
Des Moines, IA 50321
(515) 313-8325

Reports or notifications to the local program shall be directed to the supervisor at the appropriate local program. Current address and phone number is:

Polk County Public Works Department
Air Quality Division
5885 NE 14th Street
Des Moines, IA 50313
(515) 286-3351

V. Appendix 1…….NSPS and NESHAP web addresses

(Press control + left click on web address below each CFR Title)

- **40 CFR 60 Subpart BBB—Standards of Performance for the Rubber Tire Manufacturing Industry**
  https://www.ecfr.gov/current/title-40/chapter-I/subchapter-C/part-60/subpart-BBB

- **40 CFR 60 Subpart IIII—Standards of Performance for Stationary Compression Ignition Internal Combustion Engines**

  https://www.ecfr.gov/current/title-40/chapter-I/subchapter-C/part-60/subpart-IIII

- **40 CFR 63- Subpart ZZZZ—NATIONAL EMISSIONS STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR STATIONARY RECIPROCATING INTERNAL COMBUSTION ENGINES**
  https://www.ecfr.gov/current/title-40/chapter-I/subchapter-C/part-63/subpart-ZZZZ

VI. Appendix 2: Crosswalk showing the AQB Chapter citation changes/ crosswalk