Iowa Department of Natural Resources
Title V Operating Permit

Name of Permitted Facility: Vermeer Corporation
Facility Location: 1210 Vermeer Road East, Pella, IA 50219
Air Quality Operating Permit Number: 99-TV-052R3
Expiration Date: June 10, 2024
Permit Renewal Application Deadline: December 10, 2023

EIQ Number: 92-5246
Facility File Number: 63-02-004

Responsible Official
Name: Robert Smith
Title: Vice President and Chief Legal Counsel
Mailing Address: 1210 Vermeer Road East Pella, IA 50219
Phone #: (641) 628-3141

Permit Contact Person for the Facility
Name: Shawn Peters
Title: Senior EHS Manager
Mailing Address: 1210 Vermeer Road East Pella, IA 50219
Phone #: (641) 621-7125

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

For the Director of the Department of Natural Resources

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Lori Hanson, Supervisor of Air Operating Permits Section Date

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Abbreviations

acfm.....actual cubic feet per minute
CFR.....Code of Federal Regulation
CE .....control equipment
CEM.....continuous emission monitor
^{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
IDNR.....Iowa Department of Natural Resources
MVAC.....motor vehicle air conditioner
NAICS.....North American Industry Classification System
NSPS.....new source performance standard
ppmv .....parts per million by volume
lb./hr.....pounds per hour
lb./MMBtu .....pounds per million British thermal units
SCC.....Source Classification Codes
scfm.....standard cubic feet per minute
SIC .....Standard Industrial Classification
TPY .....tons per year
USEPA.....United States Environmental Protection Agency

Pollutants
PM.....particulate matter
PM_{10} .....particulate matter ten microns or less in diameter
$PM_{2.5}$ .....particulate matter two point five microns or less in diameter
SO_2 .....sulfur dioxide
NO_x .....nitrogen oxides
VOC.....volatile organic compound
CO.....carbon monoxide
HAP.....hazardous air pollutant

I. Facility Description and Equipment List

Facility Name: Vermeer Corporation
Permit Number: 99-TV-052R3

Facility Description: Construction Machinery Manufacturing (SIC 3531)

Equipment List

Emission Point Number	Emission Unit Number	Emission Unit Description	IDNR Construction Permit Number
Paint Booths			
EP 1.AG1	EU 1.AG	Plant 1 Finish Paint Booth	11-A-483-S2
EP 1.AG2			97-A-973-S7
EP 1.K	EU 1.K	Plant 1 Parts Paint Booth	97-A-974-S7
EP 1.PB1	EU 1.PB1	Plant 1 Parts Paint Booth	18-A-363-S1
EP 2.AI1	EU 2.AI	Plant 2 Paint Finish Booth	98-A-859-S6
EP 2.AI2			98-A-860-S6
EP 2.F1	EU 2.F	Plant 2 Paint Finish Booth	98-A-075-S6
EP 2.F2			98-A-076-S6
EP 2.H	EU 2.H	Plant 2 Parts Paint Booth	98-A-077-S6
EP 3.F1	EU 3.F	Plant 3 Finish Paint Booth	98-A-004-S6
EP 3.F2			98-A-005-S6
EP 3.HH	EU 3.HH	Plant 3 Parts Paint Booth	99-A-688-S5
EP 3.II	EU 3.II	Plant 3 Parts Paint Booth	99-A-689-S5
EP 4.FA	EU 4.FA	Plant 4 Parts Paint Booth	07-A-1261-S4
EP 4.FB	EU 4.FB	Plant 4 Parts Paint Booth	98-A-032-S7
EP 4.G1	EU 4.G	Plant 4 Paint Finish Booth	98-A-033-S6
EP 4.G2			98-A-034-S6
EP 6.S	EU 6.S	Plant 7 Parts Paint Booth	96-A-1216-S8
EP 7.PB1	EU 7.PB1	Plant 7 Primer Booth	17-A-246-S1
EP 7.PB2	EU 7.PB2	Plant 7 Topcoat Booth	17-A-247-S1

Equipment List

Emission Point Number	Emission Unit Number	Emission Unit Description	IDNR Construction Permit Number
Paint Ovens			
EP 2.I	EU 2.I	Plant 2 Paint Oven	98-A-078-S2
EP 3.JJ	EU 3.JJ	Plant 3 Parts Paint Oven	99-A-686-S3
EP 3.MM	EU 3.MM	Plant 3 Parts Paint Oven	00-A-562-S1
EP 4.E	EU 4.E	Plant 4 Paint Oven	98-A-031-S2
EP 6.W	EU 6.W	Plant 7 Paint Oven	97-A-298-S5
Paint Kitchens			
EP 2.AF	EU 2.AF	Plant 2 Paint Kitchen	98-A-073-S2
EP 2.AG	EU 2.AG	Plant 2 Paint Kitchen	98-A-074-S2
EP 3.GH	EU 3.GH	Plant 3 Paint Kitchen	98-A-007-S2
EP 3.GI	EU 3.GI	Plant 3 Paint Kitchen	98-A-008-S2
EP 3.KK	EU 3.KK	Plant 3 Paint Kitchen	99-A-684-S1
EP 4.CD	EU 4.CD	Plant 4 Paint Kitchen	98-A-029-S2
EP 4.CE	EU 4.CE	Plant 4 Paint Kitchen	98-A-030-S2
EP 5.BB	EU 5.BB	Plant 7 Paint Kitchen	97-A-1028-S2
Stage 1 Washers			
EP 4.DD	EU 4.DD	Plant 4 Stage 1 Washer	99-A-1014-S2
Generator Engines			
EP 1.HH	EU 1.HH	Plant 1 IT Engine Generator	NA
EP 3ENG.GEN	EU 3ENG.GEN	Plant 3 Engineering Generator	NA
EP PV.GENB	EU PV.GEN	Pavillion Engine Generator	NA
Miscellaneous Sources			
EP WELD	EU WELD	Facility Wide Metal Welding	NA
EP SB.DUST1	EU SB.3	Shot Blasting	15-A-338
EP SB.DUST2			15-A-339
EP 4.SB1	EU 4.SB1	Plant 4 Shot Blast System	18-A-170
EP W.GRIND1	EU W.GRIND1	Eco Center Grinder	NA
EP W.GRIND2	EU W.GRIND2	Eco Center Grinder Engine	NA
EP W.F.	EU W.F.	Solvent Still	99-A-691-S2
EP GASTANKS	EU GASTANKS	Gasoline Tank	NA
EP P.O.	EU P.O.	Safety Kleen Parts Washers (2)	99-A-685
EP NG EXEMPT	EU NG EXEMPT	Facility Natural Gas Heaters	NA

Insignificant Activities Equipment List[(1)]

Insignificant Emission Unit Number	Insignificant Emission Unit Description
FLAM1002	Flame Cutter Shape Cutter ESAB
FLAM3001	Flame Cutter L-Tec
FLAM6001	Flame Cutter ESAB Silhouette
FLAM7002	Flame Cutter Linde
FLAM7006	Flame Cutter Single Arm ESAB
FLCM3001	Flame Cutting Machine Alltra
FLCM4001	Flame Cutting Machine ESAB

Insignificant Emission Unit Number	Insignificant Emission Unit Description
FLCM6001	Koike CNC Cutting Machine
LASR1001	Trumpf Laser Cutter
LASR2001	Salvagnini Laser Cutter L3
LASR2002	Salvagnini Laser Cutter L3
LASR3001	Trumpf Trumatic L 3050 5000 Watt Laser
LASR4002	Laser Cutter Trumpf L4030
LASR4003	Trumpf Laser L4030 TLF4000
LASR4004	Trulaser 3040 (4000 Watt)
LASR4005	Trumpf 3040 Tru Laser
LASR5001	Laser Cutting Machine Trumpf 3000 Watts
LASR7009	Laser Mazak
LASR7010	Laser 7010 Mazak
LASR7011	Mazak Laser
LASR7012	Mazak Laser
LASR7013	Trumpf Laser, Model: Tru Laser 5030
PLCM3001	Plasma Cutting Machine Alltra
PLCM7002	Alltra Plasma Cutter Machine
PLMC3001	Kinetic Plasma Machine Cutter

(1) Emission Units qualify for Small Unit Exemption under 567 IAC 22.1(2)"w". Records shall be kept in accordance with 567 IAC 22.1(2)"w"(3).

II. Plant-Wide Conditions

Facility Name: Vermeer Corporation
Permit Number: 99-TV-052R3

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

Permit Duration

The term of this permit is: Five (5) years from permit issuance
Commencing on: June 11, 2019
Ending on: June 10, 2024

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

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

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

Sulfur Dioxide (SO_2): 500 parts per million by volume
Authority for Requirement: 567 IAC 23.3(3)"e"

Particulate Matter:
No person shall cause or allow the emission of particulate matter from any source in excess of the emission standards specified in this chapter, except as provided in 567 – Chapter 24. For sources constructed, modified or reconstructed 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"

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

Pollutant: Volatile Organic Compounds
Emission Limit(s): 247.6 tons/yr.[(1)]
Authority for Requirement: DNR Construction Permit 11-A-483-S2, (see Emission Point-Specific Conditions for other construction permit citations)

Pollutant: Single HAP
Emission Limit(s): 8.95 tons/yr.[(1)]
Authority for Requirement: DNR Construction Permit 11-A-483-S2, (see Emission Point-Specific Conditions for other construction permit citations)

Pollutant: Total HAP
Emission Limit(s): 23.93 tons/yr.[(1)]
Authority for Requirement: DNR Construction Permit 11-A-483-S2, (see Emission Point-Specific Conditions for other construction permit citations)

[(1)] Facility-wide emission limit established from all surface coating operations at the facility.
Note: This limit does not include VOC or HAP emissions from natural gas combustion sources.

Pollutant: Total HAP
Emission Limit(s): 24.4 tons/yr.[(2)]
Authority for Requirement: 567 IAC 22.108(14)

[(2)] Facility-wide emission limit established from all operations at the facility.

Facility-Wide Operational Limits
Unless specified otherwise in the Emission Point-Specific Conditions, the following limitations and supporting regulations apply to all emission points at this facility:

Process Throughput:

A. The sulfur content of natural gas or propane combusted in indirectly fired emission units at this facility shall not exceed 123 ppm by weight.
B. The particulate matter content of natural gas or propane combusted in indirectly fired emission units at this facility shall not exceed 15.3 pounds per MMCF.

Authority for Requirement: Part 7 of State of Iowa, ex rel., Iowa DNR vs. Vermeer Manufacturing Company, 99AG23542
District Court, Marion County, Law No. LACV087889

C. The amount of natural gas used in this facility shall not exceed 500 million cubic feet per 12-month rolling period.

Authority for Requirement: Iowa DNR Construction Permit 99-A-686-S3, (see Emission Point-Specific Conditions for other construction permit citations)

Facility-Wide Reporting & Recordkeeping

Records shall be kept on-site for five years and shall be available for inspection by the Department. Records shall be maintained in a legible and orderly manner and shall indicate the following:

A. The owner or operator shall maintain the following daily records:
   i. The identification and amount (gallons) of each surface coating material (paint, primer, solvent, thinner, etc.) used in the surface coating operations for this facility. For the purpose of calculating emissions for the surface coating sources at this facility, all materials may be considered emitted on the day they are delivered to the plant or are removed from storage (i.e., the facility may take credit for solvent recycled and reused at the facility).

B. The permittee shall maintain the following monthly records:
   i. The amount (cubic feet) of natural gas and propane used at this facility.
   ii. The twelve (12)-month rolling total amount of natural gas and propane used at this facility.
   iii. The emission rate (tons) of total VOCs from the facility.
   iv. The identification, the VOC & HAP content, and the amount of each surface coating used at the facility, in gallons.
   v. The twelve (12)-month rolling total amount of surface coating used at the facility, in gallons.
   vi. The twelve (12)-month rolling total amount of welding wire used at the facility, in pounds.
   vii. The emission rate (tons) of total VOCs from the surface coating operations at the facility.
   viii. The emission rate (tons) of each individual HAP from the surface coating operations at the facility.
   ix. The emission rate (tons) of all HAPs from the surface coating operations at the facility.
   x. The emission rate (tons) of all HAPs from the welding operations at the facility.
   xi. The emission rate (tons) of all HAPs from natural gas and propane combustion at the facility.
   xii. The emission rate (tons) of all HAPs from the facility.
   xiii. The 12-month rolling total of all VOCs emitted from surface coating operations at the facility, in tons.
   xiv. The 12-month rolling total of each individual HAP emitted from surface coating operations at the facility, in tons.
   xv. The 12-month rolling total of cumulative HAPs emitted from surface coating operations at the facility, in tons.
   xvi. The 12-month rolling total of cumulative HAPs emitted from welding operations at the facility, in tons.
   xvii. The 12-month rolling total of cumulative HAPs emitted from natural gas and propane combustion at the facility, in tons.
   xviii. The 12-month rolling total of cumulative HAPs emitted from the facility, in tons.

C. If the 12-month rolling total emissions of VOCs from surface coating operations at this facility exceeds 198.1 tons per rolling 12-month period, the facility shall maintain the following daily records:
   i. The total VOC emissions (tons) from surface coating operations at this facility; and
   ii. The 365-day rolling total amount of VOC emissions from surface coating operations at this facility.

   Daily recordkeeping/calculations for VOC emissions from surface coating operations shall continue until the 12-month rolling total amount of VOC emissions drops below 198.1 tons on the last day of a month. Monthly calculation of VOC emissions will then begin in the following month.

D. If the 12-month rolling total emissions of an individual HAP from surface coating operations at this facility exceeds 7.2 tons per rolling 12-month period, the facility shall maintain the following daily records:
   i. The total emissions of that individual HAP (tons) from surface coating operations at this facility; and
   ii. The 365-day rolling total emissions of that individual HAP from surface coating operations at this facility.

   Daily recordkeeping/calculations for individual HAP emissions from surface coating operations shall continue until the 12-month rolling total amount of that individual HAP's emissions drops below 7.2 tons on the last day of a month. Monthly calculation of individual HAP emissions will then begin in the following month.

E. If the 12-month rolling total cumulative HAP emissions from surface coating operations at this facility exceeds 19.1 tons per rolling 12-month period, the facility shall maintain the following daily records:
   i. The total cumulative HAP emissions (tons) from surface coating operations at this facility; and
   ii. The 365-day rolling total amount of cumulative HAP emissions from surface coating operations at this facility.

   Daily recordkeeping/calculations for cumulative HAP emissions from surface coating operations shall continue until the 12-month rolling total amount of cumulative HAP emissions drops below 19.1 tons on the last day of a month. Monthly calculation of cumulative HAP emissions will then begin in the following month.

F. If the 12-month rolling total cumulative HAP emissions from surface coating operations at this facility exceeds 18.5 tons per rolling 12-month period, the facility shall maintain the following daily records:
   i. The total cumulative HAP emissions (tons) from surface coating operations at this facility; and
   ii. The 365-day rolling total amount of cumulative HAP emissions from surface coating operations at this facility.

   Daily recordkeeping/calculations for cumulative HAP emissions from surface coating operations shall continue until the 12-month rolling total amount of cumulative HAP emissions drops below 18.5 tons on the last day of a month. Monthly calculation of cumulative HAP emissions will then begin in the following month.

G. The permittee shall submit reports that identify all exceedences of the 12-month rolling emission limitations for VOC and HAPs. The report shall be submitted no later than 30 days from the end of the month in which the exceedence occurred.

H. The owner or operator may take credit for any solvent recycled for use at the facility. The owner or operator shall record the amount of solvent recycled, and maintain a record that documents the VOC/HAP content of the recycled solvent. The credit may be subtracted from the VOC/HAP rolling totals as of the date the recycled solvent is recovered from the solvent still (EU-W.F.).

I. The owner or operator may take credit for any VOC/HAP-containing waste material shipped off-site. The owner or operator shall record the amount of waste shipped off-site, and maintain a record from the recovery company that documents the VOC/HAP content of the waste.

J. The coatings used at this facility shall not contain the following HAP metals: cadmium, chromium, lead, manganese, or nickel.

K. Retain Safety Data Sheets (SDS) for all VOC and HAP containing materials used at the facility.

Authority for Requirement: DNR Construction Permit 99-A-686-S3, (see Emission Point-Specific Conditions for other construction permit citations)
567 IAC 22.108(3)

For Gaseous Fuels

L. The owner/operator shall maintain a current MSDS for propane, including its sulfur content.

Authority for Requirement: Part 7 of State of Iowa, ex rel., Iowa DNR vs. Vermeer Manufacturing Company, 99AG23542
District Court, Marion County, Law No. LACV087889

III. Emission Point-Specific Conditions

Facility Name: Vermeer Corporation
Permit Number: 99-TV-052R3

Emission Point ID Number: Paint Booths

Associated Equipment

Emission Point	Emission Unit	Emission Unit Description	Control Equipment Number	Control Equipment Description	Raw Material	Rated Capacity (gal/hr)	Construction Permit
EP 1.AG1	EU 1.AG	Plant 1 Finish Paint Booth	1.AG1	Dry Filters	Paint	11.25	11-A-483-S2
EP 1.AG2			1.AG2	Dry Filters			97-A-973-S7
EP 1.K	EU 1.K	Plant 1 Parts Paint Booth	1.K	Dry Filters	Paint	11.25	97-A-974-S7
EP 1.PB1	EU 1.PB1	Plant 1 Parts Paint Booth	1.PB1	Dry Filters	Paint	5.625	18-A-363-S1
EP 2.AI1	EU 2.AI	Plant 2 Finish Paint Booth	2.AI1	Dry Filters	Paint	11.25	98-A-859-S6
EP 2.AI2			2.AI2	Dry Filters			98-A-860-S6
EP 2.F1	EU 2.F	Plant 2 Finish Paint Booth	2.F1	Dry Filters	Paint	11.25	98-A-075-S6
EP 2.F2			2.F2	Dry Filters			98-A-076-S6
EP 2.H	EU 2.H	Plant 2 Parts Paint Booth	2.H	Dry Filters	Paint	5.625	98-A-077-S6
EP 3.F1	EU 3.F	Plant 3 Finish Paint Booth	3.F1	Dry Filters	Paint	11.25	98-A-004-S6
EP 3.F2			3.F2	Dry Filters			98-A-005-S6
EP 3.HH	3.HH	Plant 3 Parts Paint Booth	3.HH	Dry Filters	Paint	11.25	99-A-688-S5
EP 3.II	EU 3.II	Plant 3 Parts Paint Booth	3.II	Dry Filters	Paint	11.25	99-A-689-S5
EP 4.FA	EU 4.FA	Plant 4 Parts Paint Booth	4.FA	Dry Filters	Paint	11.25	07-A-1261-S4
EP 4.FB	EU 4.FB	Plant 4 Parts Paint Booth	4.FB	Dry Filters	Paint	11.25	98-A-032-S7
EP 4.G1	EU 4.G	Plant 4 Finish Paint Booth	4.G1	Dry Filters	Paint	11.25	98-A-033-S6
EP 4.G2			4.G2	Dry Filters			98-A-034-S6
EP 6.S	EU 6.S	Plant 7 Parts Paint Booth	6.S	Dry Filters	Paint	11.25	96-A-1216-S8
EP 7.PB1	EU 7.PB1	Plant 7 Primer Booth	CE 7.PB1	Dry Filters	Primer	5.625	17-A-246-S1
EP 7.PB2	EU 7.PB2	Plant 7 Topcoat Booth	CE 7.PB2	Dry Filters	Paint	11.25	17-A-247-S1

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.

Emission Point	PM Limit (lb/hr)	PM_{10} Limit (lb/hr)	Authority for Requirement (Construction Permit Number)
EP 1.AG1	0.21	0.21	11-A-483-S2
EP 1.AG2	0.21	0.21	97-A-973-S7
EP 1.K	0.68	0.68	97-A-974-S7
EP 1.PB1	NA	1.26	18-A-363-S1
EP 2.AI1	0.32	0.32	98-A-859-S6
EP 2.AI2	0.48	0.48	98-A-860-S6
EP 2.F1	0.56	0.56	98-A-075-S6
EP 2.F2	0.56	0.56	98-A-076-S6
EP 2.H	0.93	0.93	98-A-077-S6
EP 3.F1	0.56	0.56	98-A-004-S6
EP 3.F2	0.56	0.56	98-A-005-S6
EP 3.HH	0.48	0.48	99-A-688-S5
EP 3.II	0.88	0.88	99-A-689-S5
EP 4.FA	1.20	1.20	07-A-1261-S4
EP 4.FB	1.20	1.20	98-A-032-S7
EP 4.G1	0.21	0.21	98-A-033-S6
EP 4.G2	0.21	0.21	98-A-034-S6
EP 6.S	0.70	0.70	96-A-1216-S8
EP 7.PB1	0.94	0.94	17-A-246-S1
EP 7.PB2	0.94	0.94	17-A-247-S1

Pollutant: Opacity
Emission Limit(s): 40%[(1)]
Authority for Requirement: See Table Above
567 IAC 23.3(2)"d"

[(1)] An exceedance of the indicator opacity of "No Visible Emissions" will require the owner/operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedance. If exceedances continue after the corrections, the DNR may require additional proof to demonstrate compliance (e.g., stack testing).

Pollutant: Particulate Matter
Emission Limit(s): 0.01 gr/dscf
Authority for Requirement: See Table Above
567 IAC 23.4(13)

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

Pollutant: Volatile Organic Compounds (VOC)
Emission Limit(s): See "Facility-Wide Emission Limits"
Authority for Requirement: See Table Above

Pollutant: Single HAP
Emission Limit(s): See "Facility-Wide Emission Limits"
Authority for Requirement: See Table Above

Pollutant: Total HAP
Emission Limit(s): See "Facility-Wide Emission Limits"
Authority for Requirement: See Table Above

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.
Records shall be kept on site for at least five years and shall be available for inspection by the Department.

See "Facility-Wide Operational Limits" and "Facility-Wide Reporting & Record Keeping"

A. The facility shall maintain a log of all maintenance and inspection activities performed on the control equipment. This log shall include, but is not limited to.
    i. The date and time any inspection and/or maintenance was performed on the emission unit and/or control equipment;
    ii. Any issue(s) identified during the inspection and the date each issue(s) was resolved;
    iii. Any issue(s) addressed during the maintenance activities and the date each issue(s) was resolved.

Authority for Requirement: See Table Above

Emission Point Characteristics

These emission points shall conform to the specifications listed below.

Emission Point	Stack Height (ft., from the ground)	Stack Opening (inches, dia.)	Exhaust Flowrate (scfm)	Exhaust Temp. (°F)	Discharge Style	Construction Permit #
EP 1.AG1	44	36	10,300	70	Vertical Unobstructed	11-A-483-S2
EP 1.AG2	44	36	10,300	70	Vertical Unobstructed	97-A-973-S7
EP 1.K	42.1	34	22,500	70	Vertical Unobstructed	97-A-974-S7
EP 1.PB1	46.4	48	29,400	70	Vertical Unobstructed	18-A-363-S1
EP 2.AI1	36.1	42	20,900	70	Vertical Unobstructed	98-A-859-S6
EP 2.AI2	36.2	42	24,000	70	Vertical Unobstructed	98-A-860-S6
EP 2.F1	46.2	42	22,000	70	Vertical Unobstructed	98-A-075-S6
EP 2.F2	46.2	42	22,000	70	Vertical Unobstructed	98-A-076-S6
EP 2.H	42.5	42	21,195	70	Vertical Unobstructed	98-A-077-S6
EP 3.F1	39	42	21,000	70	Vertical Unobstructed	98-A-004-S6
EP 3.F2	39	42	21,000	70	Vertical Unobstructed	98-A-005-S6
EP 3.HH	37.5	48	22,000	70	Vertical Unobstructed	99-A-688-S5
EP 3.II	37.5	48	30,000	70	Vertical Unobstructed	99-A-689-S5
EP 4.FA	36.5	42	28,000	70	Vertical Unobstructed	07-A-1261-S4
EP 4.FB	36.5	42	28,000	70	Vertical Unobstructed	98-A-032-S7
EP 4.G1	36.5	42	28,000	70	Vertical Unobstructed	98-A-033-S6
EP 4.G2	36.5	42	28,000	70	Vertical Unobstructed	98-A-034-S6
EP 6.S	44.4	42	10,500	70	Vertical Unobstructed	96-A-1216-S8
EP 7.PB1	40	48	28,650	70	Vertical Unobstructed	17-A-246-S1
EP 7.PB2	40	48	28,650	70	Vertical Unobstructed	17-A-247-S1

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.

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

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

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

Authority for Requirement: 567 IAC 22.108(3)

Agency Operations and Maintenance Plan

I. Applicability:

This plan is applicable to the following paint booths at Vermeer Corporation, Pella Iowa location:

PLANT	DESCRIPTION	TYPE	VMR ID	EMISSION UNIT #	IDNR Construction Permit #
1	Paint Line Booth	Side Draft	PNTB1001	1.K	97-A-974-S7
1	Paint Whole Goods Booth	Side Draft	PNTB1002	1.AG1,2	11-A-483-S2
					97-A-973-S7
1	Paint Line Booth	Side Draft	PNTB5003	1.PB1	18-A-363-S2
2	Paint Whole Goods Booth	Side Draft	PNTB2001	2.F1,2	98-A-075-S6
					98-A-076-S6
2	Paint Line Booth	Side Draft	PNTB2002	2.H	98-A-077-S6
2	Paint Line Booth	Down Draft	PNTB2003	2A.I 1,2	98-A-859-S6
					98-A-860-S6
3	Paint Whole Goods Booth	Side Draft	PNTB3002	3.F1,2	98-A-004-S6
					98-A-005-S6
3	Paint Line Booth	Down Draft	PNTB3003	3.II	99-A-689-S5
3	Paint Line Booth	Down Draft	PNTB3004	3.HH	99-A-688-S5
4	Paint Whole Goods Booth	Side Draft	PNTB4001	4.G1,2	98-A-033-S6
					98-A-034-S6
4	Paint Line Booth	Side Draft	PNTB4002 /4003	4.FA & 4.FB	07-A-1261-S4 & 98-A-032-S7
6	Paint Whole Goods Booth	Side Draft	PNTB6002	6.S	96-A-1216-S8
7	Paint Line Booth	Side Draft	PNTB6006	7.PB1	17-A-246-S1
7	Paint Whole Goods Booth	Side Draft	PNTB6005	7.PB2	17-A-247-S1

Performance Indicator Type

- Each side draft paint booth is equipped with an air pressure indicator which is observed and recorded daily to verify control equipment is operating within the normal operating range.
- Each down draft paint booth's performance will be maintained by following their Preventative Maintenance Schedule. This will ensure that emissions are within the normal operating range.

Applicable Regulations:

PM emission limit: 0.01 gr/dscf (and see "Emission Limits" section above)

PM_{10} emission limit: See "Emission Limits" section above

Control Technology:

- Fabric Panel Filters (on all booths)

II. Monitoring Approach

1. Monitoring Guidelines

- The facility makes a commitment to take timely corrective action during periods of excursion where the indicators are out of range.
- A corrective action may include an investigation of the reason for the excursion, evaluation of the situation and necessary follow-up action to return operation within the indicator range.
- An excursion does not necessarily indicate a violation of an applicable requirement.
- Periodic monitoring is not required during periods of time greater than one day in which the source does not operate.

2. Monitoring Approach/Performance Criteria

Side Draft Paint Booths

- Each side draft paint booth is equipped with a manometer which will be monitored and the pressure value recorded at least once per day, on days of operation.
- The manometer readings that define the Normal Operational Range for an individual Paint Booth will be determined during annual manometer calibrations.
- Side Draft Booths will be operated within their normal operating ranges.

Down Draft Paint Booths

- Down draft paint booths performance will be maintained by following their Preventative Maintenance Schedule.
- Down draft booth filter preventative maintenance scheduling suitability will be verified quarterly by measuring and recording an air velocity reading at the doors to the down draft booths, just prior to a scheduled filter change.

3. Indicator/Verification of Operational Status

- Side Draft Booth – Daily pressure checks while the unit is in operation will be used as an excursion indicator for normal operating range.
- Indicator ranges for manometers are maintained in records kept in Paint Engineering, based on most recent manometer calibrations.
- Down Draft Booth – Implementation record of the Preventative Maintenance schedule (built off of air velocity checks at opening for paint booth while the unit was in operation) will be used as an excursion indicator.
- Records of inspection and maintenance shall be kept for five years and made available upon request.

4. Quality Control Practices and Criteria
   - The Emission Control Equipment will be operated and maintained according to manufacturer's recommendations.

5. Operation/Maintenance – Side Draft Booth:
   - Daily pressure readings will be recorded for each unit unless the paint booth is not in operation that day.
   - The Action Limits for the paint booths are the high and low limits of the Normal Operational Range. The Normal Operational Range for each paint booth will be available to the operators taking the readings and making the recordings. Documentation of Normal Operational Range for the paint booths will be kept in Paint Engineering.
   - A pressure reading outside of the normal operational range will require corrective actions to be conducted within 8 hours of the excursion.
   - An excursion of the Normal Operational Range Action Limits does not necessarily indicate a violation.

6. Operation/Maintenance – Down draft Booth:
   - Down draft booth maintenance will be conducted according to a Preventative Maintenance schedule developed in house from manufacturer's recommendations.
   - A deviation from the Preventive Maintenance schedule does not necessarily indicate a violation.

Emission Point ID Number: Paint Ovens

Associated Equipment

Emission Point	Emission Unit	Emission Unit Description	Raw Material	Rated Capacity (MMBtu/hr)	Construction Permit
EP 2.I	EU 2.I	Plant 2 Paint Oven	Natural Gas	5.2	98-A-078-S2
EP 3.JJ	EU 3.JJ	Plant 3 Parts Paint Oven	Natural Gas	2.6	99-A-686-S3
EP 3.MM	EU 3.MM	Plant 3 Parts Paint Oven	Natural Gas	2.6	00-A-562-S1
EP 4.E	EU 4.E	Plant 4 Paint Oven	Natural Gas	1.08	98-A-031-S2
EP 6.W	EU 6.W	Plant 7 Paint Oven	Natural Gas	5.2	97-A-298-S5

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(s): 40%[(1)]
Authority for Requirement: See Table Above
567 IAC 23.3(3)"d"

(1) An exceedance of the indicator opacity of "no visible emissions" will require the owner/operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedance. If exceedances continue after the corrections, the DNR may require additional proof to demonstrate compliance (e.g., stack testing).

Pollutant: Particulate Matter
Emission Limit(s): 0.1 gr/dscf
Authority for Requirement: See Table Above
567 IAC 23.3(2)"a"

Pollutant: Sulfur Dioxide (SO_2
Emission Limit(s): 500 ppmv
Authority for Requirement: See Table Above
567 IAC 23.3(3)"e"

Pollutant: Volatile Organic Compounds (VOC)
Emission Limit(s): See "Facility-Wide Emission Limits"
Authority for Requirement: See Table Above

Pollutant: Single HAP
Emission Limit(s): See "Facility-Wide Emission Limits"
Authority for Requirement: See Table Above

Pollutant: Total HAP
Emission Limit(s): See "Facility-Wide Emission Limits"
Authority for Requirement: See Table Above

Operational Limits & Requirements

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

Process throughput:

1. These units shall be fired by natural gas only.

Authority for Requirement: See Table Above

See "Facility-Wide Operational Limits" and "Facility-Wide Reporting & Record Keeping"

Emission Point Characteristics

These emission point shall conform to the specifications listed below.

Emission Point	Stack Height (ft., from the ground)	Stack Opening (inches, dia.)	Exhaust Flowrate (scfm)	Exhaust Temp. (°F)	Discharge Style	Construction Permit #
EP 2.I	34	12	1,100	150	Vertical Unobstructed	98-A-078-S2
EP 3.JJ	35.5	10	2,500	180	Vertical Unobstructed	99-A-686-S3
EP 3.MM	35.5	10	2,500	180	Vertical Unobstructed	00-A-562-S1
EP 4.E	31	12	1,210	125	Vertical Unobstructed	98-A-031-S2
EP 6.W	28.6	24	5,225	300	Vertical Unobstructed	97-A-298-S5

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.

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

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

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

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: Paint Kitchens

Associated Equipment

Emission Point	Emission Unit	Emission Unit Description	Raw Material	Rated Capacity	Construction Permit
2.AF	2.AF	Plant 2 Paint Kitchen	Paints and Solvents	N/A	98-A-073-S2
2.AG	2.AG	Plant 2 Paint Kitchen	Paints and Solvents	N/A	98-A-074-S2
3.GH	3.GH	Plant 3 Paint Kitchen	Paints and Solvents	N/A	98-A-007-S2
3.GI	3.GI	Plant 3 Paint Kitchen	Paints and Solvents	N/A	98-A-008-S2
3.KK	3.KK	Plant 3 Paint Kitchen	Paints and Solvents	N/A	99-A-684-S1
4.CD	4.CD	Plant 4 Paint Kitchen	Paints and Solvents	N/A	98-A-029-S2
4.CE	4.CE	Plant 4 Paint Kitchen	Paints and Solvents	N/A	98-A-030-S2
5.BB	5.BB	Plant 7 Paint Kitchen	Paints and Solvents	N/A	97-A-1028-S2

Applicable Requirements

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

Pollutant: Volatile Organic Compounds (VOC)
Emission Limit(s): See "Facility-Wide Emission Limits"
Authority for Requirement: See Table Above

Pollutant: Single HAP
Emission Limit(s): See "Facility-Wide Emission Limits"
Authority for Requirement: See Table Above

Pollutant: Total HAP
Emission Limit(s): See "Facility-Wide Emission Limits"
Authority for Requirement: See Table Above

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

See "Facility-Wide Operational Limits" and "Facility-Wide Reporting & Record Keeping"

Emission Point Characteristics

These emission points shall conform to the specifications listed below.

Emission Point	Stack Height (ft., from the ground)	Stack Opening (inches, dia.)	Exhaust Flowrate (scfm)	Exhaust Temp. (°F)	Discharge Style	Construction Permit #
2.AF	43	20	7,000	Ambient	Vertical Unobstructed	98-A-073-S2
2.AG	41	20	3,500	Ambient	Vertical Unobstructed	98-A-074-S2
3.GH	41	15	3,500	Ambient	Vertical Unobstructed	98-A-007-S2
3.GI	41	15	3,500	Ambient	Vertical Unobstructed	98-A-008-S2
3.KK	42	24	7,000	Ambient	Vertical Unobstructed	99-A-684-S1
4.CD	43	15	3,500	Ambient	Vertical Unobstructed	98-A-029-S2
4.CE	43	20	7,000	Ambient	Vertical Unobstructed	98-A-030-S2
5.BB	43.5	20	7,000	Ambient	Vertical Unobstructed	97-A-1028-S2

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.

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

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

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

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: EP 4.DD

Associated Equipment

Emission Point	Emission Unit	Emission Unit Description	Raw Material	Rated Capacity (gallons/hr)	Construction Permit
EP 4.DD	EU 4.DD	Plant 4 Stage 1 Washer	Water/Detergent	44,160	99-A-1014-S2

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(s): 40%[(1)]
Authority for Requirement: DNR Construction Permit 99-A-1014-S2
567 IAC 23.3(2)"d"

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

Pollutant: PM_{10}
Emission Limit(s): 0.84 lb/hr, 3.7 tons/yr
Authority for Requirement: DNR Construction Permit 99-A-1014-S2

Pollutant: Particulate Matter
Emission Limit(s): 0.1 gr/dscf, 3.7 tons/yr
Authority for Requirement: DNR Construction Permit 99-A-1014-S2
567 IAC 23.3(2)"a"

Operational Limits & Reporting/Record keeping Requirements

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

Records shall be kept on site for at least five years and shall be available for inspection by the Department.

A. The total water usage in this washer shall not exceed 736 gal/min.
   i. The owner/operator shall maintain records of the water usage in this washer.
B. The chemicals used in Stage 1 washer shall be VOC and HAP free.
   i. The owner or operator shall maintain SDS of the chemicals used in the washer.

Authority for Requirement: DNR Construction Permit 99-A-1014-S2

Emission Point Characteristics

This emission point shall conform to the specifications listed below.

Stack Height, (ft., from the ground): 35
Stack Opening, (inches, dia.): 36
Exhaust Flow Rate (scfm): 5,000
Exhaust Temperature (°F): 100
Discharge Style: Vertical Obstructed
Authority for Requirement: DNR Construction Permit 99-A-1014-S2

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.

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

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

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

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: EP 1.HH

Associated Equipment

Emission Unit	Emission Unit Description	Raw Material	Rated Capacity (bhp)	Construction Permit
EU 1.HH	Plant 1 IT Engine Generator	Diesel Fuel	1,141	NA

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(s): 40%
Authority for Requirement: 567 IAC 23.3(3)"d"

Pollutant: Particulate Matter
Emission Limit(s): 0.1 gr/dscf
Authority for Requirement: 567 IAC 23.3(2)"a"

Pollutant: Sulfur Dioxide (SO_2)
Emission Limit(s): 2.5 lb/MMbtu
Authority for Requirement: 567 IAC 23.3(3)"b"

Pollutant: Single HAP
Emission Limit(s): See "Facility-Wide Emission Limits"
Authority for Requirement: See "Facility-Wide Emission Limits"

Pollutant: Total HAP
Emission Limit(s): See "Facility-Wide Emission Limits"
Authority for Requirement: See "Facility-Wide Emission Limits"

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

Process throughput:

A. The sulfur content of any number one or number two diesel fuel combusted at this facility shall not exceed 0.5% by weight.

Authority for Requirement: 567 IAC 23.3(3)

Reporting & Recordkeeping:

A. The facility shall maintain the Small Unit Exemption (SUE) justification and associated records available for inspection.

Authority for Requirement: 567 IAC 22.1(2)"w"

NESHAP

This non-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)(2)(iii) this non-emergency engine, located at an area source, is a new stationary RICE as it was constructed on or after June 12, 2006.

According to 40 CFR 63.6590(c)(1), a new stationary RICE located at an area source of HAP emissions must meet the requirements of Part 63 by meeting the requirements of 40 CFR part 60 subpart IIII for compression ignition engines. No further requirements apply for this engine under Part 63.

Authority for Requirement: 40 CFR Part 63 Subpart ZZZZ
567 IAC 23.1(4)"cz"

Emission Standards (for engines with displacement (L/cyl) < 10):

According to 40 CFR 60.4204(b) and 4201, you must comply with the following emission standards in grams/kW-hr (grams/HP-hr):

Maximum Engine Power	Model Year(s)	NOx	NMHC	NMHC + NOx	CO	PM	Opacity	Rule Ref
560<kW≤2237 (751<HP≤3000)	2007-2010	-	-	6.4 (4.8)	3.5 (2.6)	0.20 (0.15)		(2)

(1) Exhaust opacity must not exceed: 20 percent during the acceleration mode; 15 percent during the lugging mode; and 50 percent during the peaks in either the acceleration or lugging modes.
(2) 40 CFR 89.112 and 40 CFR 89.113.

Fuel Requirements:

You must use diesel fuel that has a maximum sulfur content of 15 ppm (0.0015%) by weight and a minimum cetane index of 40 or a maximum aromatic content of 35 percent by volume. 40 CFR 60.4207 and 40 CFR 80.510(b).

Compliance Requirements:

1. If your engine is equipped with a diesel particulate filter (DPF) to comply with the emission standards, the DPF must be installed with a backpressure monitor that notifies you when the high backpressure limit of the engine is approached. 40 CFR 60.4209(b).
2. You must operate and maintain the engine to comply with the required emission standards over the entire life of the engine (40 CFR 60.4206) by doing all of the following (40 CFR 60.4211(a)).
    a) Operating and maintaining the engine and control device according to the manufacturer's emission-related written instructions;
    b) Changing only those emission-related settings that are permitted by the manufacturer; and
    c) Meeting the requirements of 40 CFR 89, 94 and/or 1068, as they apply to you.

3. You must demonstrate compliance with the applicable emission standards by purchasing an engine certified to the applicable emission standards. The engine must be installed and configured according to the manufacturer's emission-related specifications. 40 CFR 60.4211(c).
4. 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 keep a maintenance plan and records of conducted maintenance to demonstrate compliance and must, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions. In addition, you must conduct the following performance testing in accordance with 40 CFR 60.4212 to demonstrate compliance with applicable emission standards. You are required to notify the DNR 30 days prior to the test date and are required to submit a stack test report to the DNR within 60 days after the completion of the testing. See 40 CFR 60.4211(g) for additional information.

Notification and Recordkeeping Requirements

5. If your engine is equipped with a diesel particulate filter (DPF), you must keep records of any corrective action taken after the backpressure monitor has notified you that the high backpressure limit of the engine is approached. 40 CFR 60.4214(c).

Authority for Requirement: 40 CFR 60 Subpart IIII
567 IAC 23.1(2)"yyy"

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 22.108(3)

Emission Point ID Number: EP PV.GENB

Associated Equipment

Emission Unit	Emission Unit Description	Raw Material	Rated Capacity (bhp)	Construction Permit
EU PV.GEN	Pavillion Engine Generator	Diesel Fuel	480	NA

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(s): 40%
Authority for Requirement: 567 IAC 23.3(3)"d"

Pollutant: Particulate Matter
Emission Limit(s): 0.1 gr/dscf
Authority for Requirement: 567 IAC 23.3(2)"a"

Pollutant: Sulfur Dioxide (SO_2)
Emission Limit(s): 2.5 lb/MMbtu
Authority for Requirement: 567 IAC 23.3(3)"b"

Pollutant: Single HAP
Emission Limit(s): See "Facility-Wide Emission Limits"
Authority for Requirement: See "Facility-Wide Emission Limits"

Pollutant: Total HAP
Emission Limit(s): See "Facility-Wide Emission Limits"
Authority for Requirement: See "Facility-Wide Emission Limits"

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

Process throughput:

A. The sulfur content of any number one or number two diesel fuel combusted at this facility shall not exceed 0.5% by weight.

Authority for Requirement: 567 IAC 23.3(3)

See "Facility-Wide Operational Limits" and "Facility-Wide Reporting & Record Keeping"

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)(2)(iii) this emergency engine, located at an area source, is a new stationary RICE as it was constructed on or after June 12, 2006.

According to 40 CFR 63.6590(c)(1), a new stationary RICE located at an area source of HAP emissions must meet the requirements of Part 63 by meeting the requirements of 40 CFR part 60 subpart IIII for compression ignition engines (or 40 CFR part 60 subpart JJJJ for spark ignition engines). No further requirements apply for this engine under Part 63.

Authority for Requirement: 40 CFR Part 63 Subpart ZZZZ
567 IAC 23.1(4)"cz"

NSPS:
Emission Standards (for engines with displacement (L/cyl) < 10):
According to 40 CFR 60.4205(b) and 4202, you must comply with the following emission standards in grams/kW-hr (grams/HP-hr):

Engine Displacement (l/cyl)	Maximum Engine Power	Model Year(s)	NMHC + NOx	CO	PM	Opacity	Rule Ref
Disp. < 10	225 ≤ kW < 450 (302 ≤ HP < 604)	2007+	4.0 (3.0)	3.5 (2.6)	0.20 (0.15)	(1)	(2)

(1) Exhaust opacity must not exceed: 20 percent during the acceleration mode; 15 percent during the lugging mode; and 50 percent during the peaks in either the acceleration or lugging modes.
(2) 40 CFR 89.112 and 40 CFR 89.113.

Fuel Requirements:
You must use diesel fuel that has a maximum sulfur content of 15 ppm (0.0015%) by weight and a minimum cetane index of 40 or a maximum aromatic content of 35 percent by volume. 40 CFR 60.4207 and 40 CFR 80.510(b).

Compliance Requirements:
1. You must operate and maintain the engine to comply with the required emission standards over the entire life of the engine (40 CFR 60.4206) by doing all of the following (40 CFR 60.4211(a)).
    a) Operating and maintaining the engine and control device according to the manufacturer's emission-related written instructions;
    b) Changing only those emission-related settings that are permitted by the manufacturer; and
    c) Meeting the requirements of 40 CFR 89, 94 and/or 1068, as they apply to you.
2. You must demonstrate compliance with the applicable emission standards by purchasing an engine certified to the applicable emission standards. The engine must be installed and configured according to the manufacturer's emission-related specifications. 40 CFR 60.4211(c).

Operating and Recordkeeping Requirements

1. If your emergency engine does not meet the standards applicable to non-emergency engines, you must install a non-resettable hour meter prior to startup of the engine (40 CFR 40.4209(a)) and you must keep records of the operation of the engine in emergency and non-emergency service that are recorded through the non-resettable hour meter. The owner must record the time of operation of the engine and the reason the engine was in operation during that time. 40 CFR 40.4214(b).
2. There is no time limit on the use of the emergency engine in emergency situations. 40 CFR 60.4211(f)(1).
3. The engine may be operated for the purpose of maintenance checks and readiness testing for a maximum of 100 hours/year. See 40 CFR 60.4211(f)(2) for more information.
4. The engine may be operated for up to 50 hours per year for non-emergency purposes. This operating time cannot be used for peak shaving or to generate income for the facility (e.g. supplying power to the grid) and should be included in the total of 100 hours allowed for maintenance checks and readiness testing. See 40 CFR 60.4211(f)(3) for more information.

Authority for Requirement: 40 CFR 60 Subpart IIII
567 IAC 23.1(2)"yyy"

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 22.108(3)

Emission Point ID Number: EP WELD

Associated Equipment

Emission Unit	Emission Unit Description	Raw Material	Rated Capacity	Construction Permit
EP WELD	Facility Wide Metal Welding	Weld Wire	10,295 lb/hr	NA

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(s): 40 %
Authority for Requirement: 567 IAC 23.3(2)"d"

Pollutant: Particulate Matter
Emission Limit(s): 0.1 gr/dscf
Authority for Requirement: 567 IAC 23.3(2)"a"

Pollutant: Single HAP
Emission Limit(s): See "Facility-Wide Emission Limits"
Authority for Requirement: See "Facility-Wide Emission Limits"

Pollutant: Total HAP
Emission Limit(s): See "Facility-Wide Emission Limits"
Authority for Requirement: See "Facility-Wide Emission Limits"

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

See "Facility-Wide Operational Limits" and "Facility-Wide Reporting & Record Keeping"

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 22.108(3)

Emission Point ID Numbers: EP SB.DUST1 & EP SB.DUST2

Associated Equipment

Emission Point	Emission Unit	Emission Unit Description	Control Equipment Number	Control Equipment Description	Raw Material	Rated Capacity	Construction Permit
EP SB.DUST1	EU SB.3	Shot Blasting	CE-SB.DUST1	Cartridge Filter	Abrasive	1,000 lb/hr	15-A-338
EP SB.DUST2			CE-SB.DUST2	Cartridge Filter			15-A-339

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(s): 40 %[(1)]
Authority for Requirement: DNR Construction Permits 15-A-338 & 15-A-339
567 IAC 23.3(2)"d"

[(1)] An exceedence of the indicator opacity of "No Visible Emissions" will require the owner/operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedence. If exceedences continue after the corrections, the DNR may require additional proof to demonstrate compliance (e.g., stack testing).

Pollutant: PM_{10}
Emission Limit(s): 0.69 lb/hr
Authority for Requirement: DNR Construction Permits 15-A-338 & 15-A-339

Pollutant: Particulate Matter
Emission Limit(s): 0.05 gr/dscf
Authority for Requirement: DNR Construction Permits 15-A-338 & 15-A-339
567 IAC 23.4(6)

Operational Limits & Requirements

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

Control equipment parameters:

A. When blasting any MFHAP containing objects, the owner or operator must operate the filtration control device according to the manufacturer's instructions.

Work practice standards:

A. When blasting any MFHAP containing objects, the owner or operator shall completely enclose this emission unit, and implement management practices to minimize emissions of MFHAP. Per 40 CFR §63.111516 (a)(2), these management practices are:
   i. Take measures necessary to minimize excess dust in the surrounding area to reduce MFHAP emissions, as practicable;
   ii. Enclose dusty abrasive material storage areas and holding bins, seal chutes and conveyors that transport abrasive materials; and,
   iii. Operate all equipment associated with dry blasting operations according to manufacturer's instructions.

Reporting & Record keeping:

Records shall be kept on site for at least five years and shall be available for inspection by the Department.

A. The owner or operator shall maintain a record of the manufacturer's specifications for the filtration control devices, as specified by the requirements in §63.11519(c)(4), "What are my notification, recordkeeping, and reporting requirements?"
B. The owner or operator shall record the measures implemented to minimize excess dust in the area surrounding the dry abrasive blasting building.

Authority for Requirement: DNR Construction Permits 15-A-338 & 15-A-339
40 CFR 63 Subpart XXXXXX
567 IAC 23.1(4)"ex"

Emission Point Characteristics

These emission points shall conform to the specifications listed below.

Emission Point	Stack Height (ft., from the ground)	Stack Opening (inches)	Exhaust Flowrate (scfm)	Exhaust Temp. (°F)	Discharge Style	Construction Permit #
EP SB.DUST1	12.5	14.75 x 22.5	11,000	70	Horizontal	15-A-338
EP SB.DUST2	12.5	28 x 22.5	11,000	70	Horizontal	15-A-339

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.

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

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

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

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: EP 4.SB1

Associated Equipment

Emission Unit	Emission Unit Description	Control Equipment Number	Control Equipment Description	Raw Material	Rated Capacity	Construction Permit
EU 4.SB1	Plant 4 Shot Blast System	CE-4.SB1	Cartridge Filter	Abrasive	312,000 lb/hr	18-A-170

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(s): No Visible Emissions[(1)]
Authority for Requirement: DNR Construction Permit 18-A-170
40 CFR 63 Subpart XXXXXX
567 IAC 23.1(4)"ex"

[(1)] The duration of Method 22 tests shall be at least 15 minutes. Visible emissions will be considered to be present if they are detected for more than six minutes of the fifteen minute period. (40 CFR 63.11517(a))

Pollutant: $PM_{2.5}$
Emission Limit(s): 2.27 lb/hr.
Authority for Requirement: DNR Construction Permit 18-A-170

Pollutant: PM_{10}
Emission Limit(s): 3.27 lb/hr
Authority for Requirement: DNR Construction Permit 18-A170

Pollutant: Particulate Matter
Emission Limit(s): 0.05 gr/dscf
Authority for Requirement: DNR Construction Permit 18-A-170
567 IAC 23.4(6)

Operational Limits & Reporting/Record keeping Requirements

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

Records shall be kept on site for at least five years and shall be available for inspection by the Department.

A. As required by 40 CFR 63.11516(a)(2)(i), emissions from this operation shall be captured and vented through a control device. This control device must be maintained according to the manufaturer's specifications.
B. As required by 40 CFR 63.11519(c)(13), maintain a copy of the manufacturer's operating specifications for the control equipment associated with this emission point.
C. As required by 40 CFR 63.11516(a)(2)(ii), the owner/operator must implement the following management practices to minimize emissions of MFHAP.
    i. the owner/operator must take measures necessary to minimize excess dust in the surrounding area to reduce MFHAP emissions, as practicable; and
    ii. the owner/operator must enclose dusty abrasive material storage areas and holding bins, seal chutes and conveyors that transport abrasive materials; and
    iii. the owner/operator must operate all equipment associated with dry abrasive blasting operations according to manufacturer's instructions.
D. As required by 40 CFR 63.11519(c)(13), maintain a copy of the manufacturer's operating specifications for the abrasive blast equipment associated with this emission point.
E. As required by 40 CFR 63.11519(c)(2), maintain the following records related to the determination of visible emissions from this operation;
    i. The date and result of every visual determination of emissions;
    ii. A description of any corrective actions taken subsequent to the test; and

Authority for Requirement: DNR Construction Permit 18-A-170
40 CFR 63 Subpart XXXXXX
567 IAC 23.1(4)"ex"

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height, (ft., from the ground): 20
Stack Opening, (inches, dia.): 26
Exhaust Flow Rate (scfm): 14,000
Exhaust Temperature (°F): 65-90
Discharge Style: Vertical Unobstructed
Authority for Requirement: DNR Construction Permit 18-A-170

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.

Opacity:
Visual determination of visible emissions must be performed once per day for each day the process is in operation. If no visible emissions are detected for 10 consecutive working days, observation frequency may be reduced to once in every 5 operating days. If visible emissions are detected during one of these "weekly" observations, determination of visible emissions shall revert to daily. If no visible emissions are detected for 4 consecutive "weekly" observations, the frequency of visible emissions determination may be reduced to once every 21 operating days ("monthly"). If visible emissions are detected during one of these "monthly" observations, determination of visible emissions shall revert to "weekly". If no visible emissions are detected for 3 consecutive "monthly" observations, the frequency of visible emissions determination may be reduced to once every 60 operating days ("quarterly"). If visible emissions are detected during one of these "quarterly" observations, determination of visible emissions shall revert to "monthly". (40 CFR 63.11517(b)(1) - 40 CFR 63.11517(b)(4))

Authority for Requirement: DNR Construction Permit 18-A-170
40 CFR 63 Subpart XXXXXX
567 IAC 23.1(4)"ex"

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

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

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

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: EP W.GRIND1

Associated Equipment

Emission Unit	Emission Unit Description	Raw Material	Rated Capacity	Construction Permit
EU W.GRIND1	Eco Center Grinder	Scrap Wood/Pallets	50 tons/hr.	NA

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: 40 %
Authority for Requirement: 567 IAC 23.3(2)"d"

Pollutant: Particulate Matter
Emission Limit: 0.1 gr/dscf
Authority for Requirement: 567 IAC 23.3(2)"a"

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

Reporting & Record keeping:
Records shall be kept on site for at least five years and shall be available for inspection by the Department.

A. The facility shall maintain the Small Unit Exemption (SUE) justification document on file and available for inspection by DNR

Authority for Requirement: 567 IAC 22.1(2)"w"

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 22.108(3)

Emission Point ID Number: EP W.GRIND2

Associated Equipment

Emission Unit	Emission Unit Description	Raw Material	Rated Capacity	Construction Permit
EU W.GRIND2	Eco Center Grinder Engine	Diesel Fuel	1.13 MMBtu/hr	NA

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(s): 40%
Authority for Requirement: 567 IAC 23.3(3)"d"

Pollutant: Particulate Matter
Emission Limit(s): 0.1 gr/dscf
Authority for Requirement: 567 IAC 23.3(2)"a"

Pollutant: Sulfur Dioxide (SO_2)
Emission Limit(s): 2.5 lb/MMbtu
Authority for Requirement: 567 IAC 23.3(3)"b"

Pollutant: Single HAP
Emission Limit(s): See "Facility-Wide Emission Limits"
Authority for Requirement: See "Facility-Wide Emission Limits"

Pollutant: Total HAP
Emission Limit(s): See "Facility-Wide Emission Limits"
Authority for Requirement: See "Facility-Wide Emission Limits"

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 & Record keeping:

The following records shall be maintained on-site for five (5) years and available for inspection upon request by representatives of the Department of Natural Resources:

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: 567 IAC 22.108(3)

See "Facility-Wide Operational Limits" and "Facility-Wide Reporting & Record Keeping"

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 22.108(3)

Emission Point ID Number: EP W.F.

Associated Equipment

Emission Unit	Emission Unit Description	Raw Material	Rated Capacity	Construction Permit
EU W.F.	Solvent Still	Solvent	70 gal/hr.	99-A-691-S2

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: Single HAP
Emission Limit(s): See "Facility-Wide Emission Limits"
Authority for Requirement: See "Facility-Wide Emission Limits"

Pollutant: Total HAP
Emission Limit(s): See "Facility-Wide Emission Limits"
Authority for Requirement: See "Facility-Wide Emission Limits"

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

See "Facility-Wide Operational Limits" and "Facility-Wide Reporting & Record Keeping"

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

Stack Height, (ft., from the ground): 35
Stack Opening, (inches, dia.): 12
Exhaust Flow Rate (scfm): 3,500
Exhaust Temperature (°F): 75
Discharge Style: Vertical Unobstructed
Authority for Requirement: DNR Construction Permit 99-A-691-S2

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.

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

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

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

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: EP GASTANKS

Associated Equipment

Emission Unit	Emission Unit Description	Raw Material	Rated Capacity	Construction Permit
EU GASTANKS	Gasoline Tank	Gasoline	998 gallons	NA

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: Single HAP
Emission Limit(s): See "Facility-Wide Emission Limits"
Authority for Requirement: See "Facility-Wide Emission Limits"

Pollutant: Total HAP
Emission Limit(s): See "Facility-Wide Emission Limits"
Authority for Requirement: See "Facility-Wide Emission Limits"

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

See "Facility-Wide Operational Limits" and "Facility-Wide Reporting & Record Keeping"

NESHAP:
This unit is an affected source under Subparts A (General Provisions, 40 CFR §63.1 – 40 CFR §63.15) and CCCCCC [National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Dispensing Facilities, 40 CFR §63.11110 – 40 CFR §63.11132]. Per the applicability criteria in Sec. 63.11111 and the definition of gasoline dispensing facility (GDF) in Sec 63.11132, this is a source subject to 40 CFR Part 63, Subpart CCCCCC.

This source has a monthly throughput of less than 10,000 gallons. Per Sec. 63.11111(b), if a GDF has a monthly throughput of less than 10,000 gallons of gasoline, the facility must comply with the requirements of Sec. 63.11116.
https://www.ecfr.gov/cgi-bin/text-idx?node=sp40.15.63.cccccc

Authority for Requirement: 40 CFR Part 63 Subpart CCCCCC
567 IAC 23.1(4)"ec"

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 22.108(3)

Emission Point ID Number: EP P.O.

Associated Equipment

Emission Unit	Emission Unit Description	Raw Material	Rated Capacity	Construction Permit
EU P.O.	Safety Kleen Parts Washers (2)	Cold Cleaning Solvent	1.30lb/hr.	99-A-685

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: Single HAP
Emission Limit(s): See "Facility-Wide Emission Limits"
Authority for Requirement: See "Facility-Wide Emission Limits"

Pollutant: Total HAP
Emission Limit(s): See "Facility-Wide Emission Limits"
Authority for Requirement: See "Facility-Wide Emission Limits"

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

See "Facility-Wide Operational Limits" and "Facility-Wide Reporting & Record Keeping"

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

Stack Height, (ft., from the ground): 25.3
Stack Opening, (inches, dia.): 12
Exhaust Flow Rate (scfm): 1,100
Exhaust Temperature (°F): Ambient
Discharge Style: Vertical Unobstructed
Authority for Requirement: DNR Construction Permit 99-A-685

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.

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

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

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

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: EP NG EXEMPT

Associated Equipment

Emission Unit	Emission Unit Description	Raw Material	Rated Capacity	Construction Permit
EP NG EXEMPT	Facility Natural Gas Heaters	Natural Gas	< 10 MMBtu/hr (each)	NA

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(s): 40%
Authority for Requirement: 567 IAC 23.3(3)"d"

Pollutant: Particulate Matter
Emission Limit(s): 0.1 gr/dscf
Authority for Requirement: 567 IAC 23.3(2)"a

Pollutant: Sulfur Dioxide (SO_2
Emission Limit(s): 500 ppmv
Authority for Requirement: 567 IAC 23.3(3)"e"

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

See "Facility-Wide Operational Limits" and "Facility-Wide Reporting & Record Keeping"

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 22.108(3)

IV. General Conditions

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

G1. Duty to Comply

1. The permittee must comply with all conditions of the Title V permit. Any permit noncompliance constitutes a violation of the Act and is grounds for enforcement action; for a permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. *567 IAC 22.108(9)"a"*
2. Any compliance schedule shall be supplemental to, and shall not sanction noncompliance with, the applicable requirements on which it is based. *567 IAC 22.105 (2)"h"(3)*
3. Where an applicable requirement of the Act is more stringent than an applicable requirement of regulations promulgated under Title IV of the Act, both provisions shall be enforceable by the administrator and are incorporated into this permit. *567 IAC 22.108 (1)"b"*
4. Unless specified as either "state enforceable only" or "local program enforceable only", all terms and conditions in the permit, including provisions to limit a source's potential to emit, are enforceable by the administrator and citizens under the Act. *567 IAC 22.108 (14)*
5. It shall not be a defense for a permittee, in an enforcement action, that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit. *567 IAC 22.108 (9)"b"*
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 22.108(15)"c"*

G2. Permit Expiration

1. Except as provided in rule 567—22.104(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—22.105(455B). *567 IAC 22.116(2)*
2. To be considered timely, the owner, operator, or designated representative (where applicable) of each source required to obtain a Title V permit shall submit on forms or electronic format specified by the Department to the Air Quality Bureau, Iowa Department of Natural Resources, Air Quality Bureau, Wallace State Office Building, 502 E 9th St., Des Moines, IA 50319-0034, two copies (three if your facility is located in Linn or Polk county) of a complete permit application, at least 6 months but not more than 18 months prior to the date of permit expiration. An additional copy must also be sent to U.S. EPA Region VII, Attention: Chief of Air Permits, 11201 Renner Blvd., Lenexa, KS 66219. 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 22.105(2). *567 IAC 22.105*

G3. Certification Requirement for Title V Related Documents

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

G4. Annual Compliance Certification

By March 31 of each year, the permittee shall submit compliance certifications for the previous calendar year. The certifications shall include descriptions of means to monitor the compliance status of all emissions sources including emissions limitations, standards, and work practices in accordance with applicable requirements. The certification for a source shall include the identification of each term or condition of the permit that is the basis of the certification; the compliance status; whether compliance was continuous or intermittent; the method(s) used for determining the compliance status of the source, currently and over the reporting period consistent with all applicable department rules. For sources determined not to be in compliance at the time of compliance certification, a compliance schedule shall be submitted which provides for periodic progress reports, dates for achieving activities, milestones, and an explanation of why any dates were missed and preventive or corrective measures. The compliance certification shall be submitted to the administrator, director, and the appropriate DNR Field office. *567 IAC 22.108 (15)"e"*

G5. Semi-Annual Monitoring Report

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

G6. Annual Fee

1. The permittee is required under subrule 567 IAC 22.106 to pay an annual fee based on the total tons of actual emissions of each regulated air pollutant. Beginning July 1, 1996, Title V operating permit fees will be paid on July 1 of each year. The fee shall be based on emissions for the previous calendar year.
2. The fee amount shall be calculated based on the first 4,000 tons of each regulated air pollutant emitted each year. The fee to be charged per ton of pollutant will be available from the department by June 1 of each year. The Responsible Official will be advised of any change in the annual fee per ton of pollutant.
3. The 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 22.115(1)"d".

G7. Inspection of Premises, Records, Equipment, Methods and Discharges
Upon presentation of proper credentials and any other documents as may be required by law, the permittee shall allow the director or the director's authorized representative to:
1. Enter upon the permittee's premises where a Title V source is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit;
2. Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;
3. Inspect, at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit; and
4. Sample or monitor, at reasonable times, substances or parameters for the purpose of ensuring compliance with the permit or other applicable requirements. *567 IAC 22.108 (15)"b"*

G8. Duty to Provide Information
The permittee shall furnish to the director, within a reasonable time, any information that the director may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee also shall furnish to the director copies of records required to be kept by the permit, or for information claimed to be confidential, the permittee shall furnish such records directly to the administrator of EPA along with a claim of confidentiality. *567 IAC 22.108 (9)"e"*

G9. General Maintenance and Repair Duties
The owner or operator of any air emission source or control equipment shall:
1. Maintain and operate the equipment or control equipment at all times in a manner consistent with good practice for minimizing emissions.
2. Remedy any cause of excess emissions in an expeditious manner.
3. Minimize the amount and duration of any excess emission to the maximum extent possible during periods of such emissions. These measures may include but not be limited to the use of clean fuels, production cutbacks, or the use of alternate process units or, in the case of utilities, purchase of electrical power until repairs are completed.
4. Schedule, at a minimum, routine maintenance of equipment or control equipment during periods of process shutdowns to the maximum extent possible. *567 IAC 24.2(1)*

G10. Recordkeeping Requirements for Compliance Monitoring
1. In addition to any source specific recordkeeping requirements contained in this permit, the permittee shall maintain the following compliance monitoring records, where applicable:
    a. The date, place and time of sampling or measurements
    b. The date the analyses were performed.
    c. The company or entity that performed the analyses.
    d. The analytical techniques or methods used.
    e. The results of such analyses; and
    f. The operating conditions as existing at the time of sampling or measurement.
    g. The records of quality assurance for continuous compliance monitoring systems (including but not limited to quality control activities, audits and calibration drifts.)
2. The permittee shall retain records of all required compliance monitoring data and support information for a period of at least 5 years from the date of compliance monitoring sample, measurement report or application. Support information includes all calibration and maintenance records and all original strip chart recordings for continuous compliance monitoring, and copies of all reports required by the permit.

3. For any source which in its application identified reasonably anticipated alternative operating scenarios, the permittee shall:

a. Comply with all terms and conditions of this permit specific to each alternative scenario.

b. Maintain a log at the permitted facility of the scenario under which it is operating.

c. Consider the permit shield, if provided in this permit, to extend to all terms and conditions under each operating scenario. *567 IAC 22.108(4), 567 IAC 22.108(12)*

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

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

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

a. A monitoring method approved for the source and incorporated in an operating permit pursuant to 567 Chapter 22;

b. Compliance test methods specified in 567 Chapter 25; or

c. Testing or monitoring methods approved for the source in a construction permit issued pursuant to 567 Chapter 22.

2. The following testing, monitoring or information gathering methods are presumptively credible testing, monitoring, or information gathering methods:

a. Any monitoring or testing methods provided in these rules; or

b. Other testing, monitoring, or information gathering methods that produce information comparable to that produced by any method in subrule 21.5(1) or this subrule. *567 IAC 21.5(1)-567 IAC 21.5(2)*

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

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

G13. Hazardous Release

The permittee must report any situation involving the actual, imminent, or probable release of a hazardous substance into the atmosphere which, because of the quantity, strength and toxicity of the substance, creates an immediate or potential danger to the public health, safety or to the environment. A verbal report shall be made to the department at (515) 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 25.1(6). An initial report of excess emission is not required for a source with operational continuous monitoring equipment (as specified in 567-subrule 25.1(1)) if the incident of excess emission continues for less than 30 minutes and does not exceed the applicable emission standard by more than 10 percent or the applicable visible emission standard by more than 10 percent opacity. The 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 24.1(1)-567 IAC 24.1(4)*

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

a. An emergency occurred and that the permittee can identify the cause(s) of the emergency;

b. The facility at the time was being properly operated;

c. During the period of the emergency, the permittee took all reasonable steps to minimize levels of emissions that exceeded the emissions standards or other requirements of the permit; and

d. The permittee submitted notice of the emergency to the director by certified mail within two working days of the time when the emissions limitations were exceeded due to the emergency. This notice fulfills the requirement of paragraph 22.108(5)"b." – See G15. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

In any enforcement proceeding, the permittee seeking to establish the occurrence of an emergency has the burden of proof. This provision is in addition to any emergency or upset provision contained in any applicable requirement. *567 IAC 22.108(16)*

G15. Permit Deviation Reporting Requirements

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

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

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

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

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

a. The changes are not major modifications under any provision of any program required by section 110 of the Act, modifications under section 111 of the act, modifications under section 112 of the act, or major modifications as defined in 567 IAC Chapter 22.

b. The changes do not exceed the emissions allowable under the permit (whether expressed therein as a rate of emissions or in terms of total emissions);

c. The changes are not modifications under any provisions of Title I of the Act and the changes do not exceed the emissions allowable under the permit (whether expressed therein as a rate of emissions or as total emissions);

d. The changes are not subject to any requirement under Title IV of the Act (revisions affecting Title IV permitting are addressed in rules 567—22.140(455B) through 567 - 22.144(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 22.110(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 22.110(2)*

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

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

5. No permit revision shall be required, under any approved economic incentives, marketable permits, emissions trading and other similar programs or processes, for changes that are provided for in this permit. *567 IAC 22.108(11)*

G18. Duty to Modify a Title V Permit

1. Administrative Amendment.

a. An administrative permit amendment is a permit revision that 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 - 22.113(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 22.107(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 22.107(7).

c. The permittee may make the change proposed in its minor permit modification application immediately after it files the application. After the permittee makes this change and until the director takes any of the actions specified in 567 IAC 22.112(4) "a" to "c", the permittee must comply with both the applicable requirements governing the change and the proposed permit terms and conditions. During this time, the permittee need not comply with the existing permit terms and conditions it seeks to modify. However, if the permittee fails to comply with its proposed permit terms and conditions during this time period, 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 22, 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 22.111-567 IAC 22.113*

G19. Duty to Obtain Construction Permits

Unless exempted in 567 IAC 22.1(2) or to meet the parameters established in 567 IAC 22.1(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 22.8, or permits required pursuant to rules 567 IAC 22.4, 567 IAC 22.5, 567 IAC 31.3, and 567 IAC 33.3 as required in 567 IAC 22.1(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 22.1(1)*

G20. Asbestos

The permittee shall comply with 567 IAC 23.1(3)"a", and 567 IAC 23.2(3)"g" when activities involve asbestos mills, surfacing of roadways, manufacturing operations, fabricating, insulating, waste disposal, spraying applications, demolition and renovation operations (*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 567 IAC 23.2. *567 IAC 23.2 <u>except</u> 23.2(3)"j"; 567 IAC 23.2(3)"j" - State Only*

G22. Acid Rain (Title IV) Emissions Allowances

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

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

1. The permittee shall comply with the standards for labeling of products using ozone-depleting substances pursuant to 40 CFR Part 82, Subpart E:

    a. All containers in which a class I or class II substance is stored or transported, all products containing a class I substance, and all products directly manufactured with a class I substance must bear the required warning statement if it is being introduced into interstate commerce pursuant to § 82.106.

    b. The placement of the required warning statement must comply with the requirements pursuant to § 82.108.

    c. The form of the label bearing the required warning statement must comply with the requirements pursuant to § 82.110.

    d. No person may modify, remove, or interfere with the required warning statement except as described in § 82.112.

2. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for MVACs in Subpart B:

    a. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to § 82.156.

    b. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to § 82.158.

    c. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to § 82.161.

    d. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with reporting and recordkeeping requirements pursuant to § 82.166. ("MVAC-like appliance" as defined at § 82.152)

    e. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to § 82.156.

    f. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to § 82.166.

3. If the permittee manufactures, transforms, imports, or exports a class I or class II substance, the permittee is subject to all the requirements as specified in 40 CFR part 82, Subpart A, Production and Consumption Controls.

4. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners. The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle

has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant,

5. The permittee shall be allowed to switch from any ozone-depleting 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 22.108(9)"c"*

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

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

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

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

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

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

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

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

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

e. The department or the administrator determines that the permit must be revised or

revoked to ensure compliance by the source with the applicable requirements. *567 IAC 22.114(1)*

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

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 22.114(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 22.108 (18)*

G26. Severability

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

G27. Property Rights

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

G28. Transferability

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

G29. Disclaimer

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

G30. Notification and Reporting Requirements for Stack Tests or Monitor Certification
The permittee shall notify the department's stack test contact in writing not less than 30 days before a required test or performance evaluation of a continuous emission monitor is performed to determine compliance with applicable requirements of 567 – Chapter 23 or a permit condition. 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 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
Wallace State Office Building
502 E 9th St.
Des Moines, IA 50319-0034
(515) 725-9545

Within Polk and Linn Counties, stack test notifications, reports and correspondence shall also be directed to the supervisor of the respective county air pollution program.
567 IAC 25.1(7)"a", 567 IAC 25.1(9)

G31. Prevention of Air Pollution Emergency Episodes
The permittee shall comply with the provisions of 567 IAC Chapter 26 in the prevention of excessive build-up of air contaminants during air pollution episodes, thereby preventing the occurrence of an emergency due to the effects of these contaminants on the health of persons.
567 IAC 26.1(1)

G32. Contacts List

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

Chief of Air Permits
U.S. EPA Region 7
Air Permits and Compliance Branch
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
Wallace State Office Building
502 E 9th St.
Des Moines, IA 50319-0034
(515) 725-8200

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

Field Office 1
909 West Main – Suite 4
Manchester, IA 52057
(563) 927-2640

Field Office 2
2300-15th St., SW
Mason City, IA 50401
(641) 424-4073

Field Office 3
1900 N. Grand Ave.
Spencer, IA 51301
(712) 262-4177

Field Office 4
1401 Sunnyside Lane
Atlantic, IA 50022
(712) 243-1934

Field Office 5
502 E 9th St.
Des Moines, IA 50319-0034
(515) 725-0268

Field Office 6
1023 West Madison Street
Washington, IA 52353-1623
(319) 653-2135

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

Linn County Public Health
Air Quality Branch
501 13th St., NW
Cedar Rapids, IA 52405
(319) 892-6000

V. Appendix A Links to Federal Rules

40 CFR 60 Subpart IIII – https://www.ecfr.gov/cgi-bin/text-idx?rgn=div6&node=40%3A7.0.1.1.1.98

40 CFR 63 Subpart XXXXXX - https://www.ecfr.gov/cgi-bin/text-idx?node=sp40.15.63.xxxxxx

40 CFR 63 Subpart ZZZZ – https://www.ecfr.gov/cgi-bin/text-idx?c=ecfr;rgn=div6;view=text;node=40%3A14.0.1.1.1.1;idno=40;sid=e94dcfde4a04b27290c445a56e635e58;cc=ecfr

40 CFR 63 Subpart CCCCCC - https://www.ecfr.gov/cgi-bin/text-idx?node=sp40.15.63.cccccc