Iowa Department of Natural Resources
Title V Operating Permit

Name of Permitted Facility: John Deere Ottumwa Works
Facility Location: 928 East Vine Street
Ottumwa, IA 52501
Air Quality Operating Permit Number: 03-TV-028R4-M001
Expiration Date: 3/4/2030

Permit Renewal Application Deadline: 9/4/2029

EIQ Number: 92-1316
Facility File Number: 90-01-003

Responsible Official
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Title: Factory Manager
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Permit Contact Person for the Facility
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This permit is issued in accordance with 567 Iowa Administrative Code Chapter 24, and is issued subject to the terms and conditions contained in this permit.
For the Director of the Department of Natural Resources

Corey McCoid

10/29/2026

Corey McCoid, 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
CO_{2e}……Equivalent Carbon Dioxide
^{o}F.....degrees Fahrenheit
EIQ.....emissions inventory questionnaire
EP.....emission point
EU .....emission unit
gal/hr .....gallons per hour
gr./dscf .....grains per dry standard cubic foot
IAC.....Iowa Administrative Code
DNR .....Iowa Department of Natural Resources
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
PSD .....Prevention of Significant Deterioration
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
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: John Deere Ottumwa Works
Permit Number: 03-TV-028R4-M001

Facility Description: Manufacture of Farm Machinery and Equipment (SIC 3523)

Equipment List

Emission Point Number	Emission Unit Number	Emission Unit Description	DNR Construction Permit Number
C12TU	C12TU	Touchup Paint Booth	12-A-588-S5
C12BO	C12BO	C12 Bake Oven	97-A-636-S3
C4PS1	C4PS	C4 Spray Paint Booth	09-A-498-S5
C4PS2			09-A-499-S5
C4PS3			09-A-500-S5
C4PS4			09-A-501-S5
C9RPS-1	C9RPS	C9 Rework Booth	12-A-403-S5
C9RPS-2	C9AMU	C9 Bake Oven	12-A-404-S5
C12PS-1-B	C12PS, C12AMU1, and C12AMU2	C12 Spray Paint Booth, C12 Booth Heater#1, and C12 Booth Heater #2	94-A-263-S10
C12PS-2-B			97-A-633-S10
C12PS-3-B			97-A-634-S10
C12PS-4-B			97-A-635-S10
E3PS-1-B	E3PS	E3 Spray Paint Booth	02-A-183-S7
E3PS-2-B			02-A-184-S7
E3PS-3-B			02-A-549-S7
E3PS-4-B			02-A-550-S7
L4PS-1-B	L4PS and L4AMU	L4 Spray Paint Booth, and L4 Booth Heater	86-A-004-S12
L4PS-2-B			02-A-185-S11
L4PS-3-B			04-A-608-S9
E2	E2 Wash	E2 Wash System	02-A-016-S7
	E2 Oven	E2 Wash Oven	
E3P-1-O	E3PD	E3 Paint Dip Tank	96-A-439-S7
E3P-2-O			02-A-273-S6
E3P-3-O			02-A-274-S7
E3P-4-O			02-A-275-S7
E3P-5-O			02-A-276-S7
E3P-6-O			02-A-277-S7
E4 Oven	E4 Oven	E4 Paint Line Oven	02-A-042-S2
WPR	WPR	Production Welding	Exempt
TM3G	TM3G	Gasoline Tank	Exempt
C2 RP Tank	C2 RP Tank	Rust Preventative Tank in C2 Building	Exempt
EGEN	EGEN	Emergency Generator Engine	Exempt
F EGEN	F EGEN	F Bldg. Fire Pump Engine	Exempt
C9 KIT	C9 KIT	C9 Paint Kitchen	Exempt
E3 KIT	E3 KIT	E3 Paint Kitchen	Exempt
W3 KIT	W3 KIT	W3 Paint Kitchen	Exempt
C13PSCK	C13PSCK	C13 Paint Kitchen	Exempt

Emission Point Number	Emission Unit Number	Emission Unit Description	DNR Construction Permit Number
W4CHEM	W4CHEM	W4 Chemical Storage	Exempt
C7 WASH BAY	C7 WASH BAY	C7 Wash Bay	Exempt
GHG	GHG	Space Heaters and Water Heaters (individually less than 10 MMBtu/hr)	Exempt
Dip Clean Out Tank	Dip Clean Out Tank	Dip Clean Out Tank	Exempt

Insignificant Activities Equipment List

Insignificant Emission Unit Number	Insignificant Emission Unit Description
A4SB	A4 Sand Blast Cabinet
C12SB	C12 Sand Blast Cabinet
DEBUR	Deburring Machine
HEAT(1)	Heat Treat and Quench
HYGARD	Hy-Gard Oil Tank
HYGARD D8	Hydraulic Oil Day Tank
L1SB	L1 Sand Blast Cabinet
LASERS(1)	Laser Cutting Facility-Wide
STILL 2(1)	Solvent Still 2
TC9D	Diesel Fuel Tank
TFD	Diesel Tank for F EGEN
TPWO	Waste Oil Tank
UO	Used Oil (Coolant) Tank
WW28	Wastewater Tank T028
WW29	Wastewater Tank T029
Automated Machining	Automated Machining Equipment
3D PRINT(1)	3D Printers

(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: John Deere Ottumwa Works
Permit Number: 03-TV-028R4-M001

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

Permit Duration

The term of this permit is: Five (5) years from permit issuance.
Commencing on: March 5, 2025
Ending on: March 4, 2030

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

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

Opacity (visible emissions): 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"

Table 1 – DNR Construction Permits Establishing VOC and HAP Limits for all production surface coating

Emission Point	Emission Unit	Emission Unit Description	Construction Permit
C12PS-1B	C12PS	C12 Paint System Booth	94-A-263-S10
C12PS-2B			97-A-633-S10
C12PS-3B			97-A-634-S10
C12PS-4B			97-A-635-S10
C12TU	C12TU	Touchup Paint Booth	12-A-588-S5
C9RPS-1	C9RPS	C9 Rework Booth	12-A-403-S5
C9RPS-2	C9AMU	C9 Bake Oven	12-A-404-S5
E3P-1-O	E3PD	E3 Paint Dip Tank	96-A-439-S7
E3P-2-O			02-A-273-S6
E3P-3-O			02-A-274-S7
E3P-4-O			02-A-275-S7
E3P-5-O			02-A-276-S7
E3P-6-O			02-A-277-S7
E3PS-1B	E3PS	E3 Paint Spray Booth	02-A-183-S7
E3PS-2B			02-A-184-S7
E3PS-3B			02-A-549-S7
E3PS-4B			02-A-550-S7
L4PS-1-B	L4PS	L4 Paint System Spray Booth	86-A-004-S12
L4PS-2-B			02-A-185-S11
L4PS-3-B			04-A-608-S9
C4PS1	C4PS	C4 Paint Booth	09-A-498-S5
C4PS2			09-A-499-S5
C4PS3			09-A-500-S5
C4PS4			09-A-501-S5

Emission Limits for all production surface coating

The atmospheric emissions from the facility shall not exceed the following:

Combined Limits
Pollutant: Volatile Organic Compounds
Emission Limit(s): 220 tons/yr[(1)]
Authority for Requirement: See DNR Construction Permits in Table 1

Pollutant: Single HAP
Emission Limit(s): 6.5 tons/yr[(1)]
Authority for Requirement: See DNR Construction Permits in Table 1

Pollutant: Total HAP
Emission Limit(s): 17.0 tons/yr[(1)]
Authority for Requirement: See DNR Construction Permits in Table 1

[(1)]The combined emission limit applies to the production surface coating (see Plant-wide Condition A) and it does not include emissions from natural gas combustion.

Facility Wide Reporting & Recordkeeping Requirements

All records as required by this permit shall be kept on site for a minimum of five (5) years and shall be available for inspection by the DNR.

PRODUCTION SURFACE COATING OPERATIONS: GENERAL REQUIREMENTS

A. The owner or operator shall apply the combined emission limits (VOC, Single HAP, and Total HAP) listed in Permit Condition 1A Table 2 to the production surface coating operations.
   i. The production surface coating operations include the following emission units:
      1. C4 Spray Paint Booth (C4PS)
      2. C9 Rework Booth (C9RPS)
      3. C12 Spray Paint Booth (C12PS)
      4. E3 Spray Paint Booth (E3PS)
      5. L4 Spray Paint Booth (L4PS)
      6. C12 Touch-Up Booth (C12TU)
      7. E3 Dip Tank

B. The owner or operator shall maintain on-site manufacturer and vendor provided information (Safety Data Sheets, technical data sheets, etc.) for all materials used in the production surface coating operations at Plant No. 90-01-003.

C. The owner or operator shall maintain the following daily records:
   i. The identification, VOC content (pounds per gallon), and HAP content (pounds per gallon) of each material used in the operation of the production surface coating operations at Plant No. 90-01-003. These materials shall include, but not necessarily limited to: paints, coatings, solvents, hardeners, sealers, adhesives, release agents, etc.
   ii. Total amount, in gallons, of each VOC- and HAP-containing material used in the operation of the production surface coating operations at Plant No. 90-01-003. For purposes of calculating VOC and HAP emissions, all VOC and HAP may be considered emitted on the day materials are delivered to the facility or production line.

D. The combined emission limits in Permit Condition 1A shall not include emissions from natural gas combustion.

E. The owner or operator may take credit for VOC- and HAP- containing waste materials shipped off-site. The credit may be subtracted from the VOC and HAP rolling totals in the month the waste is shipped off-site.
   i. The following records shall be maintained for each month that the owner chooses to take VOC and HAP credit:
      1. The date and amount of waste material shipped off-site.
      2. The methodology used to determine the amount of waste materials.
      3. The amount of VOC and HAP in the waste materials.
      4. The methodology used to determine the amount of VOC and HAP in the waste materials.
         a) At a minimum, this methodology shall include the sources for all data used in the determination, methods used to generate the data, frequency of testing or monitoring, and supporting calculations and documentation.

PRODUCTION SURFACE COATING OPERATIONS: EMISSIONS CALCULATIONS REQUIREMENTS

VOC Emissions Calculations Requirements

F. The owner or operator shall record the total amount, in tons, of VOC emitted from the production surface coating operations at Plant No. 90-01-003 on a monthly basis using the following equation:

i. $VOC_{Month(PSC)} = VOC_{Month(SPB)} + VOC_{Month(TU)} + VOC_{Month(DIP)}$

Where:

$VOC_{Month(PSC)}$ = VOC emissions, in tons/month, from the production surface coating operations.

$VOC_{Month(SPB)}$ = ∑(Total gallons of each VOC-containing material allocated that month to Spray Paint Booths C4, C9, C12, E3, and L4) * (VOC content, in pounds per gallon, in the material) * (1 ton/2000 pounds)]

$VOC_{Month(TU)}$ = ∑(Total gallons of each VOC-containing material allocated that month to the C12 Touch-Up booth) * (VOC content, in pounds per gallon, in the material) * (1 ton/2000 pounds)]

$VOC_{Month(DIP)}$ = ∑(Total gallons of each VOC-containing material allocated that month to the E3 Dip Tank) * (VOC content, in pounds per gallon, in the material) * (1 ton/2000 pounds)]

G. The owner or operator shall calculate and record the total amount, in tons, of VOC emitted from the production surface coating operations at Plant No. 90-01-003 on a rolling 12-month basis.

H. The owner or operator shall implement the following procedure if the rolling 12-month total amount of VOC emitted from the production surface coating operations at Plant No. 90-01-003 exceeds 176.0 tons.

i. The owner or operator shall record the total amount, in tons, of VOC emitted from the production surface coating operations at Plant No. 90-01-003 on a daily basis using the following equation:

1. $VOC_{Day(PSC)} = VOC_{Day(SPB)} + VOC_{Day(TU)} + VOC_{Day(DIP)}$

Where:

$VOC_{Day(PSC)}$ = VOC emissions, in tons/day, from the production surface coating operations.

$VOC_{Day(SPB)}$ = ∑(Total gallons of each VOC-containing material allocated that day to Spray Paint Booths C4, C9, C12, E3, and L4) * (VOC content, in pounds per gallon, in the material) * (1 ton/2000 pounds)]

$VOC_{Day(TU)}$ = ∑(Total gallons of each VOC-containing material allocated that day to the C12 Touch-Up booth) * (VOC content, in pounds per gallon, in the material) * (1 ton/2000 pounds)]

$VOC_{Day(DIP)}$ = ∑(Total gallons of each VOC-containing material allocated that month to the E3 Dip Tank) * (VOC content, in pounds per gallon, in the material) * (1 ton/2000 pounds)]

ii. The owner or operator shall calculate and record the total amount, in tons, of VOC emitted from the production surface coating operations at Plant No. 90-01-003 on a rolling 365-day basis.

iii. Calculation and recordkeeping of VOC emissions from data collected on Saturdays and Sundays shall be conducted on Mondays.

iv. Calculation and recordkeeping of VOC emissions shall not be required when

emissions do not occur.

v. Daily VOC emissions calculations as specified here shall continue until the rolling 12-month total drops below 176.0 tons on the last day of the following month, at which time rolling daily VOC emissions calculations shall cease.

Single HAP Emissions Calculations Requirements

I. The owner or operator shall record the total amount, in tons, of Single HAP emitted from the production surface coating operations at Plant No. 90-01-003 on a monthly basis using the following equation:

i. $SHAP_{Month(PSC)} = SHAP_{Month(SPB)} + SHAP_{Month(TU)} + SHAP_{Month(DIP)}$ (represents the sum of the *same* Single HAP emitted from the emission units in the production surface coating operations)

Where:

$SHAP_{Month(PSC)}$ = Single HAP emissions, in tons/month, from the production surface coating operations.

$SHAP_{Month(SPB)}$ = ∑(Total gallons of each HAP-containing material allocated that month to Spray Paint Booths C4, C9, C12, E3, and L4) * (Single HAP content, in pounds per gallon, in the material) * (1 ton/2000 pounds)]

$SHAP_{Month(TU)}$ = ∑(Total gallons of each HAP-containing material allocated that month to the C12 Touch-Up booth) * (Single HAP content, in pounds per gallon, in the material) * (1 ton/2000 pounds)]

$SHAP_{Month(DIP)}$ = ∑(Total gallons of each HAP-containing material allocated that month to the E3 Dip Tank) * (Single HAP content, in pounds per gallon, in the material) * (1 ton/2000 pounds)]

J. The owner or operator shall calculate and record the total amount, in tons, of Single HAP emitted from the production surface coating operations processes at Plant No. 90-01-003 on a rolling 12-month basis.

K. The owner or operator shall implement the following procedure if the rolling 12-month total amount of *any* Single HAP emitted from the production surface coating operations at Plant No. 90-01-003 exceeds 5.2 tons.

i. The owner or operator shall record the total amount, in tons, of Single HAP emitted from the production surface coating operations and at Plant No. 90-01-003 on a daily basis using the following equation:

1. $SHAP_{Day(PSC/)} = SHAP_{Day(SPB)} + SHAP_{Day(TU)} + SHAP_{Day(DIP)}$ (represents the sum of the *same* Single HAP emitted from the emission units in the production surface coating operations)

Where:

$SHAP_{Day(PSC)}$ = Single HAP emissions, in tons/day, from the production surface coating operations.

$SHAP_{Day(SPB)}$ = ∑(Total gallons of each HAP-containing material allocated that day to Spray Paint Booths C4, C9, C12, E3, and L4) * (Single HAP content, in pounds per gallon, in the material) * (1 ton/2000 pounds)]

$SHAP_{Day(TU)}$ = ∑(Total gallons of each HAP-containing material allocated that day to the C12 Touch-Up booth) * (Single HAP content, in pounds per gallon, in the material) * (1 ton/2000 pounds)]

$SHAP_{Day(DIP)}$ = ∑(Total gallons of each HAP-containing material allocated

that day to the E3 Dip Tank) * (Single HAP content, in pounds per gallon, in the material) * (1 ton/2000 pounds)]

ii. The owner or operator shall calculate and record the total amount, in tons, of Single HAP emitted from the production surface coating operations at Plant No. 90-01-003 on a rolling 365-day basis.

iii. Calculation and recordkeeping of Single HAP emissions from data collected on Saturdays and Sundays shall be conducted on Mondays.

iv. Calculation and recordkeeping of Single HAP emissions shall not be required when emissions do not occur.

v. Daily Single HAP emissions calculations as specified here shall continue until the rolling 12-month total drops below 5.2 tons on the last day of the following month, at which time rolling daily Single HAP emissions calculations shall cease.

Total HAP Emissions Calculations Requirements

L. The owner or operator shall record the total amount, in tons, of Total HAP emitted from the production surface coating operations at Plant No. 90-01-003 on a monthly basis using the following equation:

i. $THAP_{Month(PSC)} = THAP_{Month(SPB)} + THAP_{Month(TU)} + THAP_{Month(DIP)}$

Where:

$THAP_{Month(PSC)}$ = Total HAP emissions, in tons/month, from the production surface coating operations.

$THAP_{Month(SPB)}$ = ∑(Total gallons of each HAP-containing material allocated that month to Spray Paint Booths C4, C9, C12, E3, and L4) * (Total HAP content, in pounds per gallon, in the material) * (1 ton/2000 pounds)]

$THAP_{Month(TU)}$ = ∑(Total gallons of each HAP-containing material allocated that month to the C12 Touch-Up booth) * (Total HAP content, in pounds per gallon, in the material) * (1 ton/2000 pounds)]

$THAP_{Month(DIP)}$ = ∑(Total gallons of each HAP-containing material allocated that month to E3 Dip Tank) * (Total HAP content, in pounds per gallon, in the material) * (1 ton/2000 pounds)]

M. The owner or operator shall calculate and record the total amount, in tons, of Total HAP emitted from the production surface coating operations at Plant No. 90-01-003 on a rolling 12-month basis.

N. The owner or operator shall implement the following procedure if the rolling 12-month total amount of Total HAP emitted from the production surface coating operations at Plant No. 90-01-003 exceeds 13.6 tons.

i. The owner or operator shall record the total amount, in tons, of Total HAP emitted from the production surface coating operations at Plant No. 90-01-003 on a daily basis using the following equation:

1. $THAP_{Day(PSC)} = THAP_{Day(SPB)} + THAP_{Day(TU)} + THAP_{Day(DIP)}$

Where:

$THAP_{Day(PSC)}$ = Total HAP emissions, in tons/day, from the production surface coating operations.

$THAP_{Day(SPB)}$ = ∑(Total gallons of each HAP-containing material allocated that day to Spray Paint Booths C4, C9, C12, E3, and L4) * (Total HAP content, in pounds per gallon, in the material) * (1 ton/2000 pounds)]

$THAP_{Day(TU)}$ = ∑(Total gallons of each HAP-containing material allocated

that day to the C12 Touch-Up booth) * (Total HAP content, in pounds per gallon, in the material) * (1 ton/2000 pounds)]

$THAP_{Day(DIP)} = \sum$(Total gallons of each HAP-containing material allocated that day to the E3 Dip Tank) * (Total HAP content, in pounds per gallon, in the material) * (1 ton/2000 pounds)]

ii. The owner or operator shall calculate and record the total amount, in tons, of Total HAP emitted from the production surface coating operations at Plant No. 90-01-003 on a rolling 365-day basis.

iii. Calculation and recordkeeping of Total HAP emissions from data collected on Saturdays and Sundays shall be conducted on Mondays.

iv. Calculation and recordkeeping of Total HAP emissions shall not be required when emissions do not occur.

v. Daily Total HAP emissions calculations as specified here shall continue until the rolling 12-month total drops below 13.6 tons on the last day of the following month, at which time rolling daily Total HAP emissions calculations shall cease

Natural Gas

A. The total facility-wide natural gas usage shall not exceed 1,500,000,000 standard cubic feet per 12 month rolling period.

B. The permittee shall maintain the following monthly records:

i. The total amount of natural gas used at the facility; and,

ii. A determination of the 12-month rolling total amount of natural gas used at the facility.

Authority for Requirement: DNR Construction Permit 97-A-636-S3

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40 CFR Part 60 Subpart A

This facility is an affected source and these *General Provisions* apply to the facility, including EU F EGEN. See Appendix A for a link to the Standard

Authority for Requirement: 40 CFR 60 Subpart A
567 IAC 23.1(2)

40 CFR Part 60 Subpart IIII

The emergency Generator Engine (EU F EGEN) is subject to the requirements of 40 CFR 60 Subpart IIII, Standards of Performance for Stationary Compression Ignition Internal Combustion Engines. See Appendix A for a link to the Standard.

Authority for Requirement: 40 CFR 60 Subpart IIII
567 IAC 23.1(4)"cz"

40 CFR Part 61 Subpart M

This facility is subject only to the Subpart M NESHAP for the demolition and renovation of asbestos containing structures identified in 40 CFR 61.145.

40 CFR Part 63 Subpart A

This facility is an affected source and these *General Provisions* apply to the facility. The affected units are EU EGEN, EU F EGEN, and EU TM3G. See Appendix A for a link to the Standard.

Authority for Requirement: 40 CFR 63 Subpart A
567 IAC 23.1(4)"a"

40 CFR 63 Subpart ZZZZ

The Emergency Stationary Engines (EU EGEN and EU F EGEN) are subject to the requirements of 40 CFR 63 of Subpart ZZZZ, National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE). See Appendix A for a link to the Standard.

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

40 CFR 63 Subpart CCCCCC

The Gasoline Tank (EU TM3G) is subject to the requirements of 40 CFR 63 Subpart CCCCCC, National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Dispensing Facilities. See Appendix A for a link to the Standard.

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

III. Emission Point-Specific Conditions

Facility Name: John Deere Ottumwa Works
Permit Number: 03-TV-028R4-M001

Emission Point ID Numbers: C12TU

Associated Equipment

Emission Point	Emission Unit	Emission Unit Description	Control Equipment	Raw Material	Rated Capacity	Construction Permit
C12TU	C12TU	12 Touch-Up Booth	CE C12TU: Cartridge Filter	Paint	0.38 gal/hr	12-A-588-S5

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.

See Plant-Wide Conditions for combined emission limits.
Authority for Requirement: See DNR Construction Permits in Table 1 under Plant-wide Conditions

Pollutant: Opacity
Emission Limit(s): 40% [1]
Authority for Requirement: DNR Construction Permit 12-A-588-S5
567 IAC 23.3(2)"d"

[2]An exceedance of the indicator opacity of "*no visible emissions*" 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): 0.25 lb/hr
Authority for Requirement: DNR Construction Permit 12-A-588-S5

Pollutant: Particulate Matter
Emission Limit(s): 0.01 gr/scf
Authority for Requirement: DNR Construction Permit 12-A-588-S5
567 IAC 23.4(13)

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.

See Plant-Wide Conditions for additional operational limits and recordkeeping requirements for production surface coating operations.

Authority for Requirement: See DNR Construction Permit in Table 1 under Plant-wide Conditions

REQUIREMENTS for C12 TOUCH-UP BOOTHS

A. The owner or operator shall operate, inspect, and maintain the control equipment associated with C12 Touch-Up booths according to the manufacturer's specifications and instructions or per the Department approved written facility specific operation and maintenance plan.

Authority for Requirement: DNR Construction Permit 12-A-588-S5

Emission Point Characteristics

Each emission point shall conform to the specifications listed below.

EP	Stack Height (ft, from the ground)	Stack Opening (inches)	Exhaust Flow Rate (scfm)	Exhaust Temp. (ºF)	Discharge Style	Authority for Requirement
C12TU	43.5	52	32,000	68	Vertical Unobstructed	12-A-588-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 any of the emission point characteristics above are different than the values stated, the owner or operator shall submit a request either by electronic mail or written correspondence to the Department within 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** ☐

Required for CE C12TU, See Appendix B for Agency O & M plan.

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

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

Authority for Requirement: 567 IAC 24.108(3)

Emission Point ID Number: C12BO

Associated Equipment

Emission Unit	Emission Unit Description	Raw Material	Rated Capacity	Construction Permit
C12BO	Bake Oven	Natural Gas	8.0 MMBtu/hr	97-A-636-S3

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 97-A-636-S3
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: PM_{10}
Emission Limit(s): 0.076 lb/hr
Authority for Requirement: DNR Construction Permit 97-A-636-S3

Pollutant: Particulate Matter
Emission Limit(s): 0.1 gr/dscf
Authority for Requirement: DNR Construction Permit 97-A-636-S3
567 IAC 23.3(2)"a"

Pollutant: Sulfur Dioxide (SO_2)
Emission Limit(s): 500 ppmv
Authority for Requirement: DNR Construction Permit 97-A-636-S3
567 IAC 23.3(3)"e"

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. This oven is limited to firing on natural gas only.
B. The total, facility-wide natural gas usage shall not exceed 1,500,000,000 standard cubic feet (1500 MMcf) per 12-month rolling period.
C. The permittee shall maintain the following monthly records:
   i. the total amount of natural gas used at the facility; and,
   ii. a determination of the 12-month rolling total amount of natural gas used at the facility.

Authority for Requirement: DNR Construction Permit 97-A-636-S3

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

Stack Height (ft, from the ground): 34
Stack Opening (inches, dia): 36
Exhaust Flow Rate (scfm): 10,300
Exhaust Temperature (°F): 160
Discharge Style: Vertical Obstructed
Authority for Requirement: DNR Construction Permit 97-A-636-S3

The temperature and flowrate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point characteristics above are different than the values stated, the owner or operator shall submit a request either by electronic mail or written correspondence to the Department within 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 24.108(3)

Emission Point ID Numbers: See Table below - Collection of Air Permits for Spray Booths and Booth Heaters

Associated Equipment

Emission Point	Emission Unit	Emission Unit Description	Control Equipment	Raw Material	Maximum Rated Capacity	Permit Number
C4PS1	C4PS	C4 Spray Paint Booth	CE C4D1: Sheet Filters followed by CE C4D2: Bag Filters	Paint	4 electrostatic spray guns, each at 9.38 gallons/hour	09-A-498-S5
C4PS2						09-A-499-S5
C4PS3						09-A-500-S5
C4PS4						09-A-501-S5
C9RPS-1	C9RPS	C9 Rework Booth	CE C9RPS-1: Dry Filters	Paint	1 electrostatic spray gun, at 9.38 gallons/hour	12-A-403-S5
C9RPS-2	C9AMU	C9 Bake Oven	CE C9RPS-2: Dry Filters	Natural Gas	4.2 MMBtu/hour, natural gas	12-A-404-S5
C12PS-1-B	C12PS, C12AMU1, and C12AMU2	C12 Spray Paint Booth, C12 Booth Heater#1, and C12 Booth Heater #2	CE C12PSW: Water Wall Scrubber	Paint, Natural Gas, and Natural Gas	4 electrostatic spray guns, each at 9.38 gallons/hour	94-A-263-S10
C12PS-2-B						97-A-633-S10
C12PS-3-B					8.95 MMBtu/hour, per booth heater (natural gas)	97-A-634-S10
C12PS-4-B						97-A-635-S10
E3PS-1-B	E3PS	E3 Spray Paint Booth	CE E3PS1: Dry Filters	Paint	2 electrostatic spray guns, each at 9.38 gallons/hour 1 HVLP spray gun, at 8.44 gallons/hour	02-A-183-S7
E3PS-2-B			CE E3PS2: Dry Filters			02-A-184-S7
E3PS-3-B			CE E3PS3: Dry Filters			02-A-549-S7
E3PS-4-B			CE E3PS4: Dry Filters			02-A-550-S7
L4PS-1-B	L4PS and L4AMU	L4 Spray Paint Booth, and L4 Booth Heater	Dry Filters (L4PS)	Paint and Natural Gas	1 conventional spray gun, at 5.63 gallons/hour; 6.22 MMBtu/hour, natural gas	86-A-004-S12
L4PS-2-B						02-A-185-S11
L4PS-3-B						04-A-608-S9

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.

Per Emission Unit: (Each)

C4PS, C9RPS, C12PS, E3PS, & L4PS only

Pollutant: Particulate Matter (PM)

Emission Limit(s): 94.0 tons/yr[(1)]

Authority for Requirement: See DNR Construction Permits listed in equipment table above

[(1)]Pre-control PM emission limit for avoiding CAM Applicability

Per Emission Point: (each)

Pollutant: Opacity (excluding L4PS-1-B, L4PS-2-B, and L4PS-3-B)
Emission Limit(s): 40% [(2)]
Authority for Requirement: See DNR Construction Permits listed in equipment table above
567 IAC 23.3(2)"d"

[(2)]An exceedance of the indicator opacity of "*no visible emissions*" 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: Opacity (L4PS-1-B, L4PS-2-B, and L4PS-3-B only)
Emission Limit(s): 40% [(3)]
Authority for Requirement: See DNR Construction Permits listed in equipment table above
567 IAC 23.3(2)"d"

[(3)] 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: Sulfur Dioxide (SO_2) (excluding C4PS1, C4PS2, C4PS3, C4PS4, E3PS-1-B, E3PS-2-B, E3PS-3-B, and E3PS-4-B)
Emission Limit(s): 500 ppm_v
Authority for Requirement: See DNR Construction Permits listed in equipment table above
567 IAC 23.3(3)"e"

C4PS1, C4PS2, C4PS3, C4PS4 only
Pollutant: Particulate Matter (PM)
Emission Limit(s): 0.01 gr/scf
Authority for Requirement: See DNR Construction Permits listed in equipment table above
567 IAC 23.4(13)

C9RPS-1, C9RPS-2 Only
Pollutant: PM_{10}
Emission Limit(s): 1.64 lb/hr
Authority for Requirement: See DNR Construction Permits listed in equipment table above

Pollutant: Particulate Matter (PM)
Emission Limit(s): 1.64 lb/hr, 0.01 gr/scf
Authority for Requirement: See DNR Construction Permits listed in equipment table above
567 IAC 23.4(13)

C12PS-1-B, C12PS-4-B
Pollutant: PM_{10}
Emission Limit(s): 2.84 lb/hr
Authority for Requirement: See DNR Construction Permits listed in equipment table above

Pollutant: Particulate Matter (PM)
Emission Limit(s): 2.84 lb/hr, 0.01 gr/scf
Authority for Requirement: See DNR Construction Permits listed in equipment table above
567 IAC 23.4(13)

C12PS-2-B, C12PS-3-B
Pollutant: PM_{10}
Emission Limit(s): 2.47 lb/hr
Authority for Requirement: See DNR Construction Permits listed in equipment table above

Pollutant: Particulate Matter (PM)
Emission Limit(s): 2.47 lb/hr, 0.01 gr/scf
Authority for Requirement: See DNR Construction Permits listed in equipment table above
567 IAC 23.4(13)

E3PS-1-B, E3PS-2-B, E3PS-3-B, E3PS-4-B
Pollutant: PM_{10}
Emission Limit(s): 1.37 lb/hr
Authority for Requirement: See DNR Construction Permits listed in equipment table above

Pollutant: Particulate Matter (PM)
Emission Limit(s): 1.37 lb/hr, 0.01 gr/scf
Authority for Requirement: See DNR Construction Permits listed in equipment table above
567 IAC 23.4(13)

L4PS-1-B, L4PS-2-B, L4PS-3-B
Pollutant: PM_{10}
Emission Limit(s): 1.60 lb/hr
Authority for Requirement: See DNR Construction Permits listed in equipment table above

Pollutant: Particulate Matter (PM)
Emission Limit(s): 0.01 gr/scf
Authority for Requirement: See DNR Construction Permits listed in equipment table above
567 IAC 23.4(13)

Combined Emission Limits
C4PS1, C4PS2, C4PS3, and C4PS4
Pollutant: Particulate Matter (PM)
Emission Limit(s): 1.75 lbs/hr
Authority for Requirement: See DNR Construction Permits listed in equipment table above

See Plant-Wide Conditions for additional emission limits for production surface coating operations.
Authority for Requirement: See DNR Construction Permit in Table 1 under Plant-wide Conditions

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.

Bake Oven (C9) and Booth Heaters (C12 #1, C12 #2, and L4)
A. The bake oven and booth heaters described in the equipment list above shall operate on

natural gas only.

B. The total facility-wide natural gas usage shall not exceed 1,500 million standard cubic feet per rolling 12-month period.
   i. The owner or operator shall record the total million standard cubic feet of natural gas utilized at the facility on a monthly basis.
   ii. The owner or operator shall calculate and record the total million standard cubic feet of natural gas utilized at the facility on a rolling 12-month basis.

Spray Paint Booths C4, C9, C12, E3, and L4: Pre-Control Particulate Matter Requirements

C. The owner or operator shall maintain the following daily records:
   i. Solid content (pounds per gallon) of each solids-containing material used in the operation of *each* spray paint booth (C4, C9, C12, E3, and L4).
   ii. Total amount, in gallons, of each solids-containing material used in the operation of *each* spray paint booth (C4, C9, C12, E3, and L4).

D. The owner or operator shall ensure a minimum transfer efficiency of 50 percent for *each* spray paint booth (C4, C9, C12, E3, and L4) by doing the following:
   i. The owner or operator shall maintain a coating equipment record containing, at a minimum, the following information:
      1. Spray Gun Type, e.g., conventional, HVL, air assisted, electrostatic, etc.
      2. Spray Gun Manufacturer and Model.
   ii. The owner or operator shall develop and follow a painter training plan, which shall be made available to the Department upon request. At a minimum, the painter training plan shall contain the following:
      1. Training frequency.
      2. Painter techniques to optimize transfer efficiency (optimal spray gun distance and angle to the surface being painted, use of proper banding and overlap, trigger control, etc.).
      3. List of staff members required to take the painter training.
      4. Date of the most recent painter training for each affected staff member.

E. The owner or operator shall record the total amount, in tons, of pre-control PM emissions from *each* spray paint booth (C4, C9, C12, E3, and L4) on a monthly basis. For purposes of calculating pre-control emissions, all particulate matter may be considered spent on the day materials are delivered to the facility or production line.
   i. Monthly pre-control PM emissions from *each* spray paint booth (C4, C9, C12, E3, and L4) shall be determined as follows:
      1. *Monthly Pre-Control Emissions (tons/month) from each Spray Paint Booth (C4, C9, C12, E3, and L4)* = (Minimum Transfer Efficiency/100) * $\sum$ [(Total gallons of each solids-containing material allocated that month to *each* spray paint booth (C4, C9, C12, E3, and L4)) * (Solids content, in pounds per gallon, of the material) * (1 ton/2000 pounds)]

         Where,

         Minimum Transfer Efficiency = 50%

F. The owner or operator shall calculate and record the total amount, in tons, of pre-control PM emissions from *each* spray paint booth (C4, C9, C12, E3, and L4) on a rolling 12-month basis.

G. The owner or operator shall implement the following procedure if the 12-month rolling total amount of pre-control PM emissions from *any* of the spray paint booths (C4, C9,

C12, E3, and L4) exceeds 75.0 tons.

i. The owner or operator shall record the total amount, in tons, of pre-control PM emissions from the applicable spray booth(s) on a daily basis. For purposes of calculating pre-control emissions, all particulate matter may be considered spent on the day materials are delivered to the facility or production line.

ii. Daily pre-control PM emissions from the applicable spray booth(s) shall be determined as follows:

1. *Daily Pre-Control Emissions (tons/day) from the applicable spray booth(s)* = (Minimum Transfer Efficiency/100) * ∑ [(Total gallons of each solids-containing material allocated that day to the applicable spray booth(s)) * (Solids content, in pounds per gallon, of the material) * (1 ton/2000 pounds)]

Where,

Minimum Transfer Efficiency = 50%

iii. The owner or operator shall calculate and record the total amount, in tons, of pre-control PM emissions from the applicable spray booth(s) on a rolling 365-day basis.

iv. Calculation and recordkeeping of pre-control PM emissions from data collected on Saturdays and Sundays shall be conducted on Mondays.

v. Calculation and recordkeeping of pre-control PM emissions shall not be required when emissions do not occur.

vi. Daily pre-control PM emissions calculations as specified here shall continue until the rolling 12-month total drops below 75.0 tons on the last day of the following month, at which time, rolling daily pre-control PM emissions calculations shall cease.

Spray Paint Booths C4, C9, C12, E3, and L4: Control Equipment Requirements

H. The owner or operator shall operate, inspect, and maintain the control equipment associated with Spray Paint Booths C4, C9, C12, E3, and L4 according to the manufacturer's specifications and instructions or per the Department approved written facility specific operation and maintenance plan.

Authority for Requirement: See DNR Construction Permits listed in equipment table above

See Plant-Wide Conditions for additions operational limits and recordkeeping requirement for production surface coating operations.

Authority for Requirement: See DNR Construction Permits in Table 1 under Plant-wide Conditions

Emission Point Characteristics

Each emission point shall conform to the specifications listed below.

EP ID	Stack Height (feet, from the ground)	Discharge Style	Stack Outlet Dimension (inches)	Exhaust Temperature (°F)	Exhaust Flowrate (scfm)	DNR Construction Permit
C4PS1	55	Vertical, unobstructed	60	68	45,825	09-A-498-S5
C4PS2	55	Vertical, unobstructed	60	68	45,825	09-A-499-S5
C4PS3	55	Vertical, unobstructed	60	68	45,825	09-A-500-S5
C4PS4	55	Vertical, unobstructed	60	68	45,825	09-A-501-S5
C9RPS-1	40.8	Vertical, unobstructed	44	68/160(1)	20,000	12-A-403-S5
C9RPS-2	40.8	Vertical, unobstructed	44	68/160(1)	20,000	12-A-404-S5
C12PS-1-B	55	Vertical, unobstructed	56	68	41,400	94-A-263-S10
C12PS-2-B	55	Vertical, unobstructed	56	68	36,000	97-A-633-S10
C12PS-3-B	55	Vertical, unobstructed	56	68	36,000	97-A-634-S10
C12PS-4-B	55	Vertical, unobstructed	56	68	41,400	97-A-635-S10
E3PS-1-B	40.5	Vertical, unobstructed	42	68	20,000	02-A-183-S7
E3PS-2-B	40.5	Vertical, unobstructed	42	68	20,000	02-A-184-S7
E3PS-3-B	40.5	Vertical, unobstructed	42	68	20,000	02-A-549-S7
E3PS-1-B	40.5	Vertical, unobstructed	42	68	20,000	02-A-550-S7
L4PS-1-B	35.5	Vertical, unobstructed	40	68	18,700	86-A-044-S12
L4PS-2-B	35.5	Vertical, unobstructed	40	68	18,700	02-A-185-S11
L4PS-3-B	35.5	Vertical, unobstructed	40	68	18,700	04-A-608-S9

(1) Operation of this unit consists of two distinct processes. When a product needs a paint touch-up, it is moved into the booth. The painting process occurs at an average temperature of 68°F (ambient building temperature). After painting is complete, staff leaves the booth and the product remains. The booth then becomes a cure oven and is heated to a temperature of approximately 160°F. This curing takes approximately 20 minutes after which the product is allowed to cool before being removed from the booth.

The temperature and flowrate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point characteristics above are different than the values stated, the owner or operator shall submit a request either by electronic mail or written correspondence to the Department within 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** ☐

Agency O&M plans are located in Appendix B.

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

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

Authority for Requirement: 567 IAC 24.108(3)

Emission Point ID Number: E2

Associated Equipment

Emission Unit	Emission Unit Description	Raw Material	Rated Capacity	Construction Permit
E2 Wash	5-Stage Wash System	Cleaning Solution	225 gal/min, per stage	02-A-016-S7
E2 Oven	Oven	Natural Gas	1.9 MMBtu/hr	

Applicable Requirements

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

Pollutant: Opacity
Emission Limit(s): 40% [(1)]
Authority for Requirement: DNR Construction Permit 02-A-016-S7
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: Particulate Matter (PM)
Emission Limit(s): 1.70 lb/hr, 0.1 gr/dscf
Authority for Requirement: DNR Construction Permit 02-A-016-S7
567 IAC 23.3(2)"a"(1)

Pollutant: Sulfur Dioxide (SO_2)
Emission Limit(s): 500 ppmv
Authority for Requirement: DNR Construction Permit 02-A-016-S7
567 IAC 23.3(3)"e"

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 oven shall operate on natural gas only.
B. The total facility-wide natural gas usage shall not exceed 1,500 million standard cubic feet per rolling 12-month period.
    i. The owner or operator shall record the total million standard cubic feet of natural gas utilized at the facility on a monthly basis.
    ii. The owner or operator shall calculate and record the total million standard cubic feet of natural gas utilized at the facility on a rolling 12-month basis.
C. The cleaning materials employed in the 5-Stage Washer System (E2 Wash) shall contain VOC and HAP only as impurities, i.e., less than 0.1 percent by weight for carcinogen compounds and less than 1.0 percent for all other compounds.
    i. The owner or operator shall maintain a copy of the Safety Data Sheet (SDS) for all

materials used in the 5-Stage Washer System (E2 Wash).
Authority for Requirement: DNR Construction Permit 02-A-016-S7

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

Stack Height (ft, from the ground): 39
Stack Opening (inches, dia): 33
Exhaust Flow Rate (scfm): 11,200
Exhaust Temperature (^{o}F): 120
Discharge Style: Vertical unobstructed
Authority for Requirement: DNR Construction Permit 02-A-016-S7

The temperature and flowrate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point characteristics above are different than the values stated, the owner or operator shall submit a request either by electronic mail or written correspondence to the Department within 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 24.108(3)

Emission Point ID Numbers: E3P-1-O, E3P-2-O, E3P-3-O, E3P-4-O, E3P-5-O, E3P-6-O,

Associated Equipment

Emission Point	Emission Unit	Emission Unit Description	Raw Material	Rated Capacity	Construction Permit
E3P-1-O	E3PD	E3 Paint Dip Tank (10,000 gallons)	Paint, Solvent	21.1 gal/hr	96-A-439-S7
E3P-2-O					02-A-273-S6
E3P-3-O					02-A-274-S7
E3P-4-O					02-A-275-S7
E3P-5-O					02-A-276-S7
E3P-6-O					02-A-277-S7

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 DNR Construction Permits listed in equipment table above
567 IAC 23.3(2)"d"

[(1)] An exceedance of the indicator opacity of "*no visible emissions*" 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: Particulate Matter (PM)
Emission Limit(s): 0.30 lb/hr (combined), 0.01 gr/scf
Authority for Requirement: See DNR Construction Permits listed in equipment table above
567 IAC 23.4(13)

See Plant-Wide Conditions for additional emission limits for production surface coating operations.
Authority for Requirement: See DNR Construction Permits in Table 1 under Plant-wide Conditions

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.

1. See Plant-Wide Conditions for additional operational limits and recordkeeping requirements for production surface coating operations.

Authority for Requirement: See DNR Construction Permits in Table 1 under Plant-wide Conditions

Emission Point Characteristics

Each emission point shall conform to the specifications listed below.

EP ID	Stack Height (ft, from the ground)	Stack Opening (inches, dia)	Exhaust Flow Rate (scfm)	Exhaust Temperature (ºF)	Discharge Style
E3P-1-O	23.8	24	7,400	68	Vertical Unobstructed
E3P-2-O	24.2	24	9,150	68	Vertical Unobstructed
E3P-3-O	23.0	30	4,500	68	Vertical Unobstructed
E3P-4-O	23.0	30	4,500	68	Vertical Unobstructed
E3P-5-O	23.0	30	4,500	68	Vertical Unobstructed
E3P-6-O	23.0	30	4,500	68	Vertical Unobstructed

Authority for Requirement: See DNR Construction Permits listed in equipment table above

The temperature and flowrate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point characteristics above are different than the values stated, the owner or operator shall submit a request either by electronic mail or written correspondence to the Department within 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 24.108(3)

Emission Point ID Number: E4 Oven

Associated Equipment

Emission Unit	Emission Unit Description	Raw Material	Rated Capacity	Construction Permit
E4 Oven	E4 Paint Line Oven	Natural Gas	3.7 MMBtu/hr	02-A-042-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 02-A-042-S2
567 IAC 23.3(2)"d"

[(1)] If visible emissions are observed the owner or operator is required 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: Particulate Matter (PM)
Emission Limit(s): 0.1 gr/dscf
Authority for Requirement: DNR Construction Permit 02-A-042-S2
567 IAC 23.3(2)"a"

Pollutant: Sulfur Dioxide (SO_2)
Emission Limit(s): 500 ppmv
Authority for Requirement: DNR Construction Permit 02-A-042-S2
567 IAC 23.3(3)"e"

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 oven shall operate on Natural Gas only.
B. The total facility-wide natural gas usage shall not exceed 1,500,000,000 standard cubic feet per 12 month rolling.
   (1) The permittee (or owner or operator) shall maintain the amount of natural gas utilized at the facility monthly.
   (2) Their owner or operator shall calculate and record the rolling 12-month plant wide usage of natural gas monthly.

Authority for Requirement: DNR Construction Permit 02-A-042-S2

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

Stack Height (ft, from the ground): 24
Stack Opening (inches): 18
Exhaust Flow Rate (scfm): 3,540
Exhaust Temperature (°F): 230
Discharge Style: Vertical, obstructed
Authority for Requirement: DNR Construction Permit 02-A-042-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 any of the emission point characteristics above are different than the values stated, the owner or operator shall submit a request either by electronic mail or written correspondence to the Department within 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 24.108(3)

Emission Point ID Number: WPR (Vents Inside)

Associated Equipment

Emission Unit	Emission Unit Description	Raw Material	Rated Capacity	Construction Permit
WPR	Production Welding	Weld Wire	1,500,000 lb/yr	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 (PM)
Emission Limit(s): 0.1 gr/dscf
Authority for Requirement: 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.

Process throughput:
A. Weld wire usage shall not exceed 1,500,000 pounds per 12-month rolling period.
Authority for Requirement: 567 IAC 24.108(14)

Reporting & Recordkeeping:
A. Record on a monthly basis, the total amount of weld wire. Calculate and record rolling 12-month totals.
Authority for Requirement: 567 IAC 24.108(3)

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

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

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

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

Authority for Requirement: 567 IAC 24.108(3)

Emission Point ID Number: TM3G, C2RP Tank

Associated Equipment

Emission Point	Emission Unit	Emission Unit Description	Raw Material	Rated Capacity	Construction Permit
TM3G	TM3G	Unleaded Gasoline Tank	Gasoline	515 gal	NA
C2 RP Tank	C2 RP Tank	Rust Preventative Tank in C2 Building	Rust Preventative Liquid	150 gal	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.

For Emission Unit C2 RP Tank only:
Pollutant: Volatile Organic Compounds (VOC)
Emission Limit(s): 220.0 tons/year (1)
Authority for Requirement: See DNR Construction Permits in Table 1 under Plant-wide Conditions

Pollutant: Hazardous Air Pollutants (Single)
Emission Limit(s): 6.5 tons/year (1)
Authority for Requirement: See DNR Construction Permits in Table 1 under Plant-wide Conditions

Pollutant: Hazardous Air Pollutants (Total)
Emission Limit(s): 17.0 tons/year (1)
Authority for Requirement: See DNR Construction Permits in Table 1 under Plant-wide Conditions

(1) Per daily rolling 365-day period for all production surface coating processes.

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.

For Emission Unit TM3G Only:

1. The permittee shall follow all requirements of 40 CFR 63.11116.

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

For Emission Unit C2 RP Tank only:

1. The permittee shall follow the reporting and recordkeeping requirements listed under Plant-Wide Conditions for production surface coating operations.

Authority for Requirement: See DNR Construction Permits in Table 1 under Plant-wide Conditions

Monitoring Requirements

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

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

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

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

Authority for Requirement: 567 IAC 24.108(3)

Emission Point ID Number: EGEN

Associated Equipment

Emission Unit	Emission Unit Description	Raw Material	Rated Capacity	Construction Permit
EGEN	Emergency Generator Engine	Natural Gas	162 BHP	Exempt

Applicable Requirements

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

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

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

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.

Compliance Date
Per 63.6595(a)(1) you must comply with the provisions of subpart ZZZZ that are applicable by October 19, 2013.

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

1. Change oil and filter every 500 hours of operation or within 1 year + 30 days, whichever comes first. (See 63.6625(j) for the oil analysis option to extend time frame of requirements.)
2. Inspect spark plugs every 1,000 hours of operation or within 1 year + 30 days, whichever comes first, and replace as necessary.

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

Operating Limits 40 CFR 63.6640(f)

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

Recordkeeping Requirements 40 CFR 63.6655

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

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

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

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

Additional Reporting & Recordkeeping:

1. The permittee shall follow the reporting and recordkeeping requirements listed under Plant-Wide Conditions for Natural Gas Usage.

Authority for Requirement: DNR Construction Permit 97-A-636-S3

Monitoring Requirements

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

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

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

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

Authority for Requirement: 567 IAC 24.108(3)

Emission Point ID Number: F EGEN

Associated Equipment

Emission Unit	Emission Unit Description	Raw Material	Rated Capacity	Construction Permit
F EGEN	F Building Fire Pump Emergency Engine	Diesel	121 BHP	Exempt

Applicable Requirements

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

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

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.

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)(ii) this compression ignition emergency engine, located at a major source, is a new stationary RICE as it was constructed on or after June 12, 2006.

According to 40 CFR 63.6590(c)(6), this emergency engine must meet the requirements of subpart ZZZZ by meeting the requirements of 40 CFR 60 Subpart IIII for compression ignition engines. No further requirements apply for this emergency engine under subpart ZZZZ.

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

Emission Standards:
According to 40 CFR 60.4205(c) and Table 4 to Subpart IIII, you must comply with the following emission standards in grams/kW-hr (grams/HP-hr):

Maximum Engine Power	Model Year(s)	NMHC + NOx	CO	PM
75 ≤ kW < 130 (100 ≤ HP < 175)	2010+	4.0 (3.0)	5.0 (3.7)	0.30 (0.22)

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 1090.305.

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.
    d) Meet standards according to the requirements specified in 40 CFR 60.4212, as applicable.
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).
3. 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.

Maximum Engine Power	Initial Test	Subsequent Test
100 ≤ HP ≤ 500	Within 1 year of engine startup, or non-permitted action [(1)]	Not required

[(1)] Non-permitted action means that you do not install, configure, operate, and maintain the engine and control device according to the manufacturer's emission-related written instructions, or you change the emission-related settings in a way that is not permitted by the manufacturer.

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 60.4209(a)) and, starting with the model years in the following table, 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 60.4214(b).

Engine power	Starting model year
19 ≤ KW < 56 (25 ≤ HP < 75)	2013
56 ≤ KW < 130 (75 ≤ HP < 175)	2012
130 ≤ KW (175 ≤ HP)	2011

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.

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"
40 CFR 63 Subpart ZZZZ
567 IAC 23.1(4)"cz"

Monitoring Requirements

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

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

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

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

Authority for Requirement: 567 IAC 24.108(3)

Emission Point ID Number: C9 KIT, E3 KIT, W3 KIT, W4 CHEM and C13PSCK (Paint Kitchens & Chemical Storage)

Associated Equipment

Emission Point	Emission Unit	Emission Unit Description	Raw Material	Rated Capacity	Construction Permit
C9 KIT	C9 KIT	C9 Paint Kitchen	Paint and Solvent	NA	Exempt
E3 KIT	E3 KIT	E3 Paint Kitchen			
W3 KIT	W3 KIT	W3 Paint Kitchen			
C13PSCK	C13PSCK	C13 Paint Kitchen			
W4CHEM	W4CHEM	W4 Chemical Storage			

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 (VOC and HAP emissions from this emissions unit are accounted for in the permits for the spray booths).

Pollutant: Volatile Organic Compounds (VOC)
Emission Limit(s): 220.0 tons/year (1)
Authority for Requirement: See DNR Construction Permits in Table 1 under Plant-wide Conditions

Pollutant: Hazardous Air Pollutants (Single)
Emission Limit(s): 6.5 tons/year (1)
Authority for Requirement: See DNR Construction Permits in Table 1 under Plant-wide Conditions

Pollutant: Hazardous Air Pollutants (Total)
Emission Limit(s): 17.0 tons/year (1)
Authority for Requirement: See DNR Construction Permits in Table 1 under Plant-wide Conditions

(1) Per daily rolling 365-day period for all production surface coating.

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.

1. The permittee shall follow reporting and recordkeeping requirements for production surface coating operations listed under Plant-Wide Conditions.

Authority for Requirement: See DNR Construction Permits in Table 1 under Plant-wide Conditions

Monitoring Requirements

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

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

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

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

Authority for Requirement: 567 IAC 24.108(3)

Emission Point ID Number: C7 WASH BAY

Associated Equipment

Emission Unit	Emission Unit Description	Raw Material	Rated Capacity	Construction Permit
C7 WASH BAY	C7 WASH BAY	Water and Alkaline Cleaners; Natural Gas	4 gal/min	NA

Applicable Requirements

Pollutant: Opacity
Emission Limit(s): 40%
Authority for Requirement: 567 IAC 23.3(2)"d"

Pollutant: Particulate Matter (PM)
Emission Limit(s): 0.8 lbs/MMBtu
Authority for Requirement: 567 IAC 23.3(2)"b"

Pollutant: Particulate Matter (PM)
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 & 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.

1. The permittee shall follow the reporting and recordkeeping requirements listed under Plant-Wide Conditions for Natural Gas Usage.

Authority for Requirement: See Plant-Wide Conditions for Natural Gas Usage.

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

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

Authority for Requirement: 567 IAC 24.108(3)

Emission Point ID Number: GHG

Associated Equipment

Emission Unit	Emission Unit Description	Raw Material	Rated Capacity	Construction Permit
GHG	Space Heaters and Water Heaters	Natural Gas	Individually less than 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(2)"d"

Pollutant: Particulate Matter (PM)
Emission Limit(s): 0.8 lbs/MMBtu
Authority for Requirement: 567 IAC 23.3(2)"b"

Pollutant: Particulate Matter (PM)
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 & 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.

1. The permittee shall follow the reporting and recordkeeping requirements listed under Plant-Wide Conditions for Natural Gas Usage.

Authority for Requirement: See Plant-Wide Conditions for Natural Gas Usage.

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

Agency Approved Operation & Maintenance Plan Required? **Yes** ☐ **No** ☒
Facility Maintained Operation & Maintenance Plan Required? **Yes** ☐ **No** ☒
Compliance Assurance Monitoring (CAM) Plan Required? **Yes** ☐ **No** ☒
Authority for Requirement: 567 IAC 24.108(3)

Emission Point ID Number: Dip Clean Out Tank

Associated Equipment

Emission Unit	Emission Unit Description	Raw Material	Rated Capacity	Construction Permit
Dip Clean Out Tank	Dip Clean Out Tank	Paint and Solvent	NA	Exempt

Applicable Requirements

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

Pollutant: Volatile Organic Compounds (VOC)
Emission Limit(s): 220.0 tons/year (1)
Authority for Requirement: See DNR Construction Permits in Table 1 under Plant-wide Conditions

Pollutant: Hazardous Air Pollutants (Single)
Emission Limit(s): 6.5 tons/year (1)
Authority for Requirement: See DNR Construction Permits in Table 1 under Plant-wide Conditions

Pollutant: Hazardous Air Pollutants (Total)
Emission Limit(s): 17.0 tons/year (1)
Authority for Requirement: See DNR Construction Permits in Table 1 under Plant-wide Conditions

(1) Per daily rolling 365-day period for all production surface coating.

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.

1. The permittee shall follow the reporting and recordkeeping requirements listed under Plant-Wide Conditions.

Authority for Requirement: See DNR Construction Permits in Table 1 under Plant-wide Conditions

Monitoring Requirements

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

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

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

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

Authority for Requirement: 567 IAC 24.108(3)

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 24.

G1. Duty to Comply

1. The permittee must comply with all conditions of the Title V permit. Any permit noncompliance constitutes a violation of the Act and is grounds for enforcement action; for a permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. *567 IAC 24.108(9)"a"*

2. Any compliance schedule shall be supplemental to, and shall not sanction noncompliance with, the applicable requirements on which it is based. *567 IAC 24.105(2)"h"(3)*

3. Where an applicable requirement of the Act is more stringent than an applicable requirement of regulations promulgated under Title IV of the Act, both provisions shall be enforceable by the administrator and are incorporated into this permit. *567 IAC 24.108(1)"b"*

4. Unless specified as either "state enforceable only" or "local program enforceable only", all terms and conditions in the permit, including provisions to limit a source's potential to emit, are enforceable by the administrator and citizens under the Act. *567 IAC 24.108(14)*

5. It shall not be a defense for a permittee, in an enforcement action, that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit. *567 IAC 24.108(9)"b"*

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

G2. Permit Expiration

1. Except as provided in rule 567—24.104(455B), permit expiration terminates a source’s right to operate unless a timely and complete application for renewal has been submitted in accordance with rule 567—24.105(455B). *567 IAC 24.116(2)*

2. To be considered timely, the owner, operator, or designated representative (where applicable) of each source required to obtain a Title V permit shall submit on forms or electronic format specified by the Department. Additional copies to local programs or EPA are not required for application materials submitted through the electronic format specified by the Department. The application must include all emission points, emission units, air pollution control equipment, and monitoring devices at the facility. All emissions generating activities, including fugitive emissions, must be included. The definition of a complete application is as indicated in 567 IAC 24.105(2). *567 IAC 24.105*

G3. Certification Requirement for Title V Related Documents

Any application, report, compliance certification or other document submitted pursuant to this permit shall contain certification by a responsible official of truth, accuracy, and completeness. All certifications shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. *567 IAC 24.107(4)*

G4. Annual Compliance Certification

By March 31 of each year, the permittee shall submit compliance certifications for the previous calendar year. The certifications shall include descriptions of means to monitor the compliance status of all emissions sources including emissions limitations, standards, and work practices in accordance with applicable requirements. The certification for a source shall include the identification of each term or condition of the permit that is the basis of the certification; the compliance status; whether compliance was continuous or intermittent; the method(s) used for

determining the compliance status of the source, currently and over the reporting period consistent with all applicable department rules. For sources determined not to be in compliance at the time of compliance certification, a compliance schedule shall be submitted which provides for periodic progress reports, dates for achieving activities, milestones, and an explanation of why any dates were missed and preventive or corrective measures. The compliance certification shall be submitted to the administrator, director, and the appropriate DNR Field office. *567 IAC 24.108(15)"e"*

G5. Semi-Annual Monitoring Report

By March 31 and September 30 of each year, the permittee shall submit a report of any monitoring required under this permit for the 6 month periods of July 1 to December 31 and January 1 to June 30, respectively. All instances of deviations from permit requirements must be clearly identified in these reports, and the report must be signed by a responsible official, consistent with 567 IAC 24.107(4). The semi-annual monitoring report shall be submitted to the director and the appropriate DNR Field office. *567 IAC 24.108 (5)*

G6. Annual Fees

1. The permittee is required under subrule 567 IAC 30.4(2) to pay an annual fee based on the total tons of actual emissions of each regulated air pollutant. 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.

    a. 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.

    b. The emissions inventory shall be submitted annually by March 31 with forms specified by the department documenting actual emissions for the previous calendar year.

    c. The fee shall be submitted annually by July 1 with forms specified by the department.

    d. 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.

    e. 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.

    f. Failure to pay the appropriate Title V fee represents cause for revocation of the Title V permit as indicated in 567 IAC 24.115(1)"d".

2. The permittee is required under subrule 567 IAC 30.4(3) to pay an annual base fee based on the fee schedule approved by the commission and posted on the department’s website. Beginning July 1, 2026, Title V operating base fees will be paid on July 1 of each year.

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

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

1. Enter upon the permittee's premises where a Title V source is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit;
2. Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;
3. Inspect, at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit; and

4. Sample or monitor, at reasonable times, substances or parameters for the purpose of ensuring compliance with the permit or other applicable requirements. *567 IAC 24.108 (15)"b"*

G8. Duty to Provide Information

The permittee shall furnish to the director, within a reasonable time, any information that the director may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee also shall furnish to the director copies of records required to be kept by the permit, or for information claimed to be confidential, the permittee shall furnish such records directly to the administrator of EPA along with a claim of confidentiality. *567 IAC 24.108 (9)"e"*

G9. General Maintenance and Repair Duties

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

1. Maintain and operate the equipment or control equipment at all times in a manner consistent with good practice for minimizing emissions.
2. Remedy any cause of excess emissions in an expeditious manner.
3. Minimize the amount and duration of any excess emission to the maximum extent possible during periods of such emissions. These measures may include but not be limited to the use of clean fuels, production cutbacks, or the use of alternate process units or, in the case of utilities, purchase of electrical power until repairs are completed.
4. Schedule, at a minimum, routine maintenance of equipment or control equipment during periods of process shutdowns to the maximum extent possible. *567 IAC 21.8(1)*

G10. Recordkeeping Requirements for Compliance Monitoring

1. In addition to any source specific recordkeeping requirements contained in this permit, the permittee shall maintain the following compliance monitoring records, where applicable:
    a. The date, place and time of sampling or measurements
    b. The date the analyses were performed.
    c. The company or entity that performed the analyses.
    d. The analytical techniques or methods used.
    e. The results of such analyses; and
    f. The operating conditions as existing at the time of sampling or measurement.
    g. The records of quality assurance for continuous compliance monitoring systems (including but not limited to quality control activities, audits and calibration drifts.)
2. The permittee shall retain records of all required compliance monitoring data and support information for a period of at least 5 years from the date of compliance monitoring sample, measurement report or application. Support information includes all calibration and maintenance records and all original strip chart recordings for continuous compliance monitoring, and copies of all reports required by the permit.
3. For any source which in its application identified reasonably anticipated alternative operating scenarios, the permittee shall:
    a. Comply with all terms and conditions of this permit specific to each alternative scenario.
    b. Maintain a log at the permitted facility of the scenario under which it is operating.
    c. Consider the permit shield, if provided in this permit, to extend to all terms and conditions under each operating scenario. *567 IAC 24.108(4), 567 IAC 24.108(12)*

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

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

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

a. A monitoring method approved for the source and incorporated in an operating permit pursuant to 567 Chapter 24;

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

c. Testing or monitoring methods approved for the source in a construction permit issued pursuant to 567 Chapter 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 24.108(6)*

G13. Hazardous Release

Any permittee manufacturing, storing, handling, transporting, or disposing of a hazardous substance shall report a hazardous condition to the department at (515) 725-8694 and either the local police department or the office of the sheriff of the county where the hazardous condition occurred. The initial report shall be made as soon as possible but not later than six hours after the onset or discovery of the hazardous condition. This initial report must be followed up with a written report as indicated in 567 IAC 105.5(2). *567 IAC Chapter 105-State Only*

G14. Excess Emissions and Excess Emissions Reporting Requirements

1. Excess Emissions. Excess emission during a period of startup, shutdown, or cleaning of control equipment is not a violation of the emission standard if the startup, shutdown or cleaning is accomplished expeditiously and in a manner consistent with good practice for minimizing emissions. Cleaning of control equipment which does not require the shutdown of the process equipment shall be limited to one six-minute period per one-hour period. An incident of excess emission (other than an incident during startup, shutdown or cleaning of control equipment) is a violation. If the owner or operator of a source maintains that the incident of excess emission was due to a malfunction, the owner or operator must show that the conditions which caused the incident of excess emission were not preventable by reasonable maintenance and control measures. Determination of any subsequent enforcement action will be made following review of this report. If excess emissions are occurring, either the control equipment causing the excess emission shall be repaired in an expeditious manner or the process generating the emissions shall be shutdown within a reasonable period of time. An expeditious manner is the time necessary to determine the cause of the excess emissions and to correct it within a reasonable period of time. A reasonable period of time is eight hours plus the period of time required to shut down the process without damaging the process equipment or control equipment. A variance from this subrule may be available as provided for in Iowa Code section 455B.143. In the case of an electric utility, a reasonable period of time is eight hours plus the period of time until comparable generating capacity is available to meet consumer demand with the affected unit out of service, unless, the director shall, upon investigation, reasonably determine that continued operation constitutes an unjustifiable environmental hazard and issue an order that such operation is not in the public interest and require a process shutdown to commence immediately.

2. Excess Emissions Reporting

a. Initial Reporting of Excess Emissions. An incident of excess emission (other than an incident of excess emission during a period of startup, shutdown, or cleaning) shall be reported to the appropriate field office of the department within eight hours of, or at the start of the first working day following the onset of the incident. The reporting exemption for an incident of excess emission during startup, shutdown or cleaning does not relieve the owner or operator of a source with continuous monitoring equipment of the obligation of submitting reports required in 567-subrule 21.10(6). An initial report of excess emission is not required for a source with operational continuous monitoring equipment (as specified in 567-subrule 21.10(1)) if the incident of excess emission continues for less than 30 minutes and does not exceed the applicable emission standard by more than 10 percent or the applicable visible emission standard by more than 10 percent opacity. The initial report may be made by electronic mail (E-mail), in person, or by telephone and shall include as a minimum the following:

i. The identity of the equipment or source operation from which the excess emission originated and the associated stack or emission point.

ii. The estimated quantity of the excess emission.

iii. The time and expected duration of the excess emission.

iv. The cause of the excess emission.

v. The steps being taken to remedy the excess emission.

vi. The steps being taken to limit the excess emission in the interim period.

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

i. The identity of the equipment or source operation point from which the excess emission originated and the associated stack or emission point.

ii. The estimated quantity of the excess emission.

iii. The time and duration of the excess emission.

iv. The cause of the excess emission.

v. The steps that were taken to remedy and to prevent the recurrence of the incident of excess emission.

vi. The steps that were taken to limit the excess emission.

vii. If the owner claims that the excess emission was due to malfunction, documentation to support this claim. *567 IAC 21.7(1)-567 IAC 21.7(4)*

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 24.108(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 24.108(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 24.108(5)"b"*

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

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

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

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

a. The changes are not major modifications under any provision of any program required by section 110 of the Act, modifications under section 111 of the act, modifications under section 112 of the act, or major modifications as defined in 567 IAC Chapter 24.

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

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

d. The changes are not subject to any requirement under Title IV of the Act (revisions affecting Title IV permitting are addressed in rules 567—24.140(455B) through 567 - 24.144(455B));.

e. The changes comply with all applicable requirements.

f. For each such change, the permitted source provides to the department and the administrator by certified mail, at least 30 days in advance of the proposed change, a written notification, including the following, which must be attached to the permit by the source, the department and the administrator:

i. A brief description of the change within the permitted facility,
ii. The date on which the change will occur,
iii. Any change in emission as a result of that change,
iv. The pollutants emitted subject to the emissions trade
v. If the emissions trading provisions of the state implementation plan are invoked, then Title V permit requirements with which the source shall comply; a description of how the emissions increases and decreases will comply with the terms and conditions of the Title V permit.
vi. A description of the trading of emissions increases and decreases for the purpose of complying with a federally enforceable emissions cap as specified in and in compliance with the Title V permit; and
vii. Any permit term or condition no longer applicable as a result of the change. *567 IAC 24.110(1)*

2. Such changes do not include changes that would violate applicable requirements or contravene federally enforceable permit terms and conditions that are monitoring (including test methods), record keeping, reporting, or compliance certification requirements. *567 IAC 24.110(2)*

3. Notwithstanding any other part of this rule, the director may, upon review of a notice, require a stationary source to apply for a Title V permit if the change does not meet the requirements of subrule 24.110(1). *567 IAC 24.110(3)*

4. The permit shield provided in subrule 24.108(18) shall not apply to any change made pursuant to this rule. Compliance with the permit requirements that the source will meet using the emissions trade shall be determined according to requirements of the state implementation plan authorizing the emissions trade. *567 IAC 24.110(4)*

5. No permit revision shall be required, under any approved economic incentives, marketable permits, emissions trading and other similar programs or processes, for changes that are provided for in this permit. *567 IAC 24.108(11)*

G18. Duty to Modify a Title V Permit

1. Administrative Amendment.

a. An administrative permit amendment is a permit revision that does any of the following:

i. Correct typographical errors
ii. Identify a change in the name, address, or telephone number of any person identified in the permit, or provides a similar minor administrative change at the source;
iii. Require more frequent monitoring or reporting by the permittee; or
iv. Allow for a change in ownership or operational control of a source where the director determines that no other change in the permit is necessary, provided that a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new permittee has been submitted to the director.

b. The permittee may implement the changes addressed in the request for an administrative amendment immediately upon submittal of the request. The request shall be submitted to the director.

c. Administrative amendments to portions of permits containing provisions pursuant to Title IV of the Act shall be governed by regulations promulgated by the administrator under Title IV of the Act.

2. Minor Title V Permit Modification.

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

i. Do not violate any applicable requirement;

ii. Do not involve significant changes to existing monitoring, reporting or recordkeeping requirements in the Title V permit;

iii. Do not require or change a case by case determination of an emission limitation or other standard, or an increment analysis;

iv. Do not seek to establish or change a permit term or condition for which there is no corresponding underlying applicable requirement and that the source has assumed in order to avoid an applicable requirement to which the source would otherwise be subject. Such terms and conditions include any federally enforceable emissions caps which the source would assume to avoid classification as a modification under any provision under Title I of the Act; and an alternative emissions limit approved pursuant to regulations promulgated under section 112(i)(5) of the Act;

v. Are not modifications under any provision of Title I of the Act; and

vi. Are not required to be processed as significant modification under rule 567 - 24.113(455B).

b. An application for minor permit revision shall be on the minor Title V modification application form and shall include at least the following:

i. A description of the change, the emissions resulting from the change, and any new applicable requirements that will apply if the change occurs;

ii. The permittee's suggested draft permit;

iii. Certification by a responsible official, pursuant to 567 IAC 24.107(4), that the proposed modification meets the criteria for use of minor permit modification procedures and a request that such procedures be used; and

iv. Completed forms to enable the department to notify the administrator and the affected states as required by 567 IAC 24.107(7).

c. The permittee may make the change proposed in its minor permit modification application immediately after it files the application. After the permittee makes this change and until the director takes any of the actions specified in 567 IAC 24.112(4) "a" to "c", the permittee must comply with both the applicable requirements governing the change and the proposed permit terms and conditions. During this time, the permittee need not comply with the existing permit terms and conditions it seeks to modify. However, if the permittee fails to comply with its proposed permit terms and conditions during this time period, the existing permit terms and conditions it seeks to modify may be enforced against the facility.

3. Significant Title V Permit Modification.

Significant Title V modification procedures shall be used for applications requesting Title V permit modifications that do not qualify as minor Title V modifications or as administrative amendments. These include but are not limited to all significant changes in monitoring permit terms, every relaxation of reporting or recordkeeping permit terms, and any change in the method of measuring compliance with existing requirements. Significant Title V modifications shall meet all requirements of 567 IAC Chapter 24, including those for applications, public participation, review by affected states, and review by the administrator, as those requirements that apply to Title V issuance and renewal.

The permittee shall submit an application for a significant permit modification not later than three months after commencing operation of the changed source unless the existing Title V

permit would prohibit such construction or change in operation, in which event the operation of the changed source may not commence until the department revises the permit. *567 IAC 24.111-567 IAC 24.113*

G19. Duty to Obtain Construction Permits

Unless exempted in 567 IAC 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 except 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 24.108(7)*

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

1. The permittee shall comply with the standards for labeling of products using ozone-depleting substances pursuant to 40 CFR Part 82, Subpart E:
    a. All containers in which a class I or class II substance is stored or transported, all products containing a class I substance, and all products directly manufactured with a class I substance must bear the required warning statement if it is being introduced into interstate commerce pursuant to § 82.106.
    b. The placement of the required warning statement must comply with the requirements pursuant to § 82.108.
    c. The form of the label bearing the required warning statement must comply with the requirements pursuant to § 82.110.
    d. No person may modify, remove, or interfere with the required warning statement except as described in § 82.112.
2. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for MVACs in Subpart B:
    a. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to § 82.156.
    b. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to § 82.158.
    c. Persons performing maintenance, service, repair, or disposal of appliances must be

certified by an approved technician certification program pursuant to § 82.161.

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

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

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

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

4. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners. The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant,

5. The permittee shall be allowed to switch from any ozone-depleting or greenhouse gas generating substances to any alternative that is listed in the Significant New Alternatives Program (SNAP) promulgated pursuant to 40 CFR part 82, Subpart G, Significant New Alternatives Policy Program. *40 CFR part 82*

G24. Permit Reopenings

1. This permit may be modified, revoked, reopened, and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. *567 IAC 24.108(9)"c"*

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

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

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

c. Reopening and revision on this ground is not required if the additional applicable requirements are implemented in a general permit that is applicable to the source and the source receives approval for coverage under that general permit. *567 IAC 24.108(17)"a", 567 IAC 24.108(17)"b"*

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

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

b. The department or the administrator determines that the Title V permit contains a

material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the Title V permit;

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

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

e. The department or the administrator determines that the permit must be revised or revoked to ensure compliance by the source with the applicable requirements. *567 IAC 24.114*

4. Proceedings to reopen and reissue a Title V permit shall follow the procedures applicable to initial permit issuance and shall effect only those parts of the permit for which cause to reopen exists. *567 IAC 24.114*

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

G25. Permit Shield

1. The director may expressly include in a Title V permit a provision stating that compliance with the conditions of the permit shall be deemed compliance with any applicable requirements as of the date of permit issuance, provided that:

a. Such applicable requirements are included and are specifically identified in the permit; or

b. The director, in acting on the permit application or revision, determines in writing that other requirements specifically identified are not applicable to the source, and the permit includes the determination or a concise summary thereof.

2. A Title V permit that does not expressly state that a permit shield exists shall be presumed not to provide such a shield.

3. A permit shield shall not alter or affect the following:

a. The provisions of Section 303 of the Act (emergency orders), including the authority of the administrator under that section;

b. The liability of an owner or operator of a source for any violation of applicable requirements prior to or at the time of permit issuance;

c. The applicable requirements of the acid rain program, consistent with Section 408(a) of the Act;

d. The ability of the department or the administrator to obtain information from the facility pursuant to Section 114 of the Act. *567 IAC 24.108 (18)*

G26. Severability

The provisions of this permit are severable and if any provision or application of any provision is found to be invalid by this department or a court of law, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected by such finding. *567 IAC 24.108 (8)*

G27. Property Rights

The permit does not convey any property rights of any sort, or any exclusive privilege. *567 IAC 24.108 (9)"d"*

G28. Transferability

This permit is not transferable from one source to another. If title to the facility or any part of it is transferred, an administrative amendment to the permit must be sought consistent with the requirements of 567 IAC 24.111(1). *567 IAC 24.111 (1)"d"*

G29. Disclaimer

No review has been undertaken on the engineering aspects of the equipment or control equipment other than the potential of that equipment for reducing air contaminant emissions. *567 IAC 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 (42 days) of the completion of the testing. Compliance tests conducted pursuant to this permit shall be conducted with the source operating in a normal manner at its maximum continuous output as rated by the equipment manufacturer, or the rate specified by the owner as the maximum production rate at which the source shall be operated. In cases where compliance is to be demonstrated at less than the maximum continuous output as rated by the equipment manufacturer, and it is the owner's intent to limit the capacity to that rating, the owner may submit evidence to the department that the source has been physically altered so that capacity cannot be exceeded, or the department may require additional testing, continuous monitoring, reports of operating levels, or any other information deemed necessary by the department to determine whether such source is in compliance.

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

Stack Test Review Coordinator
Iowa DNR, Air Quality Bureau
6200 Park Ave
Suite 200
Des Moines, IA 50321
(515) 343-6589

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

567 IAC 21.10(7)"a", 567 IAC 21.10(9)

G31. Prevention of Air Pollution Emergency Episodes

The permittee shall comply with the provisions of 567 IAC Chapter 21 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 21.14

G32. Contacts List

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

Iowa Compliance Officer
Air Branch
Enforcement and Compliance Assurance Division
U.S. EPA Region 7
11201 Renner Blvd.
Lenexa, KS 66219
(913) 551-7020

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

Chief, Air Quality Bureau
Iowa Department of Natural Resources
6200 Park Ave
Suite 200
Des Moines, IA 50321
(515) 313-8325

Reports or notifications to the DNR Field Offices shall be directed to the supervisor at the appropriate field office or local program. The current address and phone number is:

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

V: Appendix A: Weblinks to Standards

A. 40 CFR 63 Subpart A – General Provisions
https://www.ecfr.gov/current/title-40/chapter-I/subchapter-C/part-63/subpart-A

B. 40 CFR 63 Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants Stationary Reciprocating Internal Combustion Engines
https://www.ecfr.gov/current/title-40/chapter-I/subchapter-C/part-63/subpart-ZZZZ

C. 40 CFR 63 Subpart CCCCCC - National Emissions Standards for Hazardous Air Pollutants for Source Category: Gasoline Dispensing Facilities
https://www.ecfr.gov/current/title-40/chapter-I/subchapter-C/part-63/subpart-CCCCCC

D. 40 CFR 61 Subpart M – National Emission Standard for Asbestos
https://www.ecfr.gov/current/title-40/chapter-I/subchapter-C/part-61/subpart-M

Appendix B: Agency O & M Plans

Agency O & M Plan for Adhesive and Paint Booths

Weekly

- Inspect the spray booth system for conditions that reduce the operating efficiency of the collection system. This will include a visual inspection of the condition of the filter material.
- Inspect the filter material for excessive binding or plugging.
- Inspect for missing filters or air bypassing filters.
- Inspect for issues with the fan(s) which pull air through the exhaust system.
- Maintain a written record of the observation and any action resulting from the inspection.
  - If the equipment does not operate during any calendar week (Sunday through Saturday) the facility shall record this downtime. No inspection will be required on weeks when the equipment does not operate. Weekly inspections shall resume when the equipment is in operation.

Recordkeeping and Reporting

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

Quality Control

- The owner or operator shall operate and maintain the control equipment in accordance with the specific plan developed by the facility.

Agency O & M Plan for C12 Paint System

Weekly

- Inspect the water wall scrubber for conditions that reduce the operating efficiency of the collection system. This will include a visual inspection of the condition of the water wall scrubber.
- Inspect for issues with the water wall scrubber recirculation pump.
- Inspect for issues with the fan(s) which pull air through the exhaust system.
- Maintain a written record of the observation and any action resulting from the inspection.
  - If the equipment does not operate during any calendar week (Sunday through Saturday) the facility shall record this downtime. No inspection will be required on weeks when the equipment does not operate. Weekly inspections shall resume when the equipment is in operation.

Recordkeeping and Reporting

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

Quality Control

- The owner or operator shall operate and maintain the control equipment in accordance with the specific plan developed by the facility.