Iowa Department of Natural Resources
Title V Operating Permit

Name of Permitted Facility: PMX Industries, Inc.
Facility Location: 5300 Willow Creek Drive SW, Cedar Rapids, IA 52404
Air Quality Operating Permit Number: 02-TV-022R4
Expiration Date: June 30, 2028
Permit Renewal Application Deadline: December 30, 2027

EIQ Number: 92-9186
Facility File Number: 57-01-095

Responsible Official
Name: Art McGowan
Title: Vice President, Manufacturing
Mailing Address: 5300 Willow Creek Drive SW, Cedar Rapids, IA 52404
Phone #: (319) 298-1422

Permit Contact Person for the Facility
Name: Marc Lob
Title: WWT Supervisor
Mailing Address: 5300 Willow Creek Drive SW, Cedar Rapids, IA 52404
Phone #: (319) 298-1412

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

For the Director of the Department of Natural Resources

Marnie Stein 07/01/2023

Marnie Stein, Supervisor of Air Operating Permits Section Date

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Abbreviations

acfm ..... actual cubic feet per minute
ATI ..... authorization to install
BHP ..... brake horse power
CFR ..... Code of Federal Regulation
CI ..... compression ignition
CE ..... control equipment
CFH ..... cubic feet per hour
CFM ..... cubic feet per minute
°F ..... degrees Fahrenheit
DOC ..... diesel oxidation catalyst
dscfm ..... dry standard cubic feet per minute
EIQ ..... emissions inventory questionnaire
EP……..emission point
EU……..emission unit
GPH ..... gallons per hour
gpm ..... gallons per minute
gr./dscf ..... grains per dry standard cubic foot
H ..... horizontal
IAC ..... Iowa Administrative Code
IDNR ..... Iowa Department of Natural Resources
LCPH ..... Linn County Public Health
LCO ..... Linn County Ordinance
MMcf/hr ..... million cubic feet per hour
MVAC ..... motor vehicle air conditioner
NAICS ..... North American Industry Classification System
NSPS ..... new source performance standard
ppmv ..... parts per million by volume
PTO ..... permit to operate
lb./hr ..... pounds per hour
lb./MMBtu ..... pounds per million British thermal units
SI ..... spark ignition
scfm ..... standard cubic feet per minute
SIC ..... standard Industrial Classification
TPH ..... tons per hour
TPY ..... tons per year
USEPA ..... United States Environmental Protection Agency
V ..... vertical, unobstructed

Pollutants

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

I. Facility Description and Equipment List

Facility Name: PMX Industries, Inc.
Permit Number: 02-TV-022R4

Facility Description: Rolling, Drawing, and Extruding of Copper (SIC 3351)
Copper Rolling, Drawing, Extruding, and Alloying (NAICS 331420)

Table 1 - Equipment List

Emission Point Number	Emission Unit Number	Emission Unit Description	Construction Permit Number(s) (ATI/PTO)
1	601-615	Cast Shop (Charge Fed) Internally Vented	--
	601-615	Cast Shop (Castings Created) Internally Vented	
105	601	Electric Induction Furnace	3424 / 4247-R2
	602	Electric Induction Furnace	
	604	Electric Induction Furnace	
	606	Electric Induction Furnace	
	607	Electric Induction Furnace	
	608	Electric Induction Furnace	
	611	Electric Induction Furnace	
	614	Electric Induction Furnace	
	615	Electric Induction Furnace	
106	106	Algoma Rolling Mill	3552 / 3722-R3
107	107	Pickle Line #1	2694 / 2606
108	108	Two Stand Tandem Mill	3009 / 3962-R1
113	113	Blaw Knox Rolling Mill	3574 / 3723-R3
114	114	Sendzimer Rolling Mill	3575 / 3724-R3
120	120	Surface Milling Machine	5097 / 5138
121	120	Surface Milling Machine (Pneumatic Transfer of Milling Line Chips)	3808 / 3527-R2
124	124	Descaler Dry Brush	3260 / 3961-R1
125	125	Descaler Sulfuric Acid Pickle	3168 / 2987
126	126	Sendzimer High Cold Rolling Mill	3008 / 4059-R1
127	127	11 Ebner Annealing Furnaces	3006 / 3524
	127B	11 Ebner Annealing Furnaces, (Natural Gas Burners)	
128	128	11 Ebner Annealing Furnaces	3005 / 3525
	128B	11 Ebner Annealing Furnaces, (Natural Gas Burners)	
129	129	Reheat Furnace	3007 / 2894-R2
142	131	Emergency Generator (South)	7109 / 6839
143			7110 / 6840
132	132	Emergency Fire Pump	--
133	133A	Acid Flux Application	3507 / 3973-R1
	133B	Tinning	
135	135	Non-emergency Generator	4482 / 4500
136	136	Non-emergency Generator	4483 / 4501
137	137	Non-emergency Generator	4484 / 4502

Emission Point Number	Emission Unit Number	Emission Unit Description	Construction Permit Number(s) (ATI/PTO)
138	138	Non-emergency Generator	4485 / 4503
139	139	Non-emergency Generator	4486 / 4504
140	140	Continuous Annealing and Pickling Line #1	4015 / 4070-R1
141	141	Continuous Annealing and Pickling Line #2	3504 / 3974-R1
144	144	11 Ebner Annealing Furnaces	4017 / 4071
	144B	11 Ebner Annealing Furnaces, (Natural Gas Burners)	
145	145	Four Stand Tandem Mill	3765 / 4076-R1
146	146	Degreasing Pickle Line	3829 / 4072-R1
148	148	11 Ebner Annealing Furnaces	4016 / 4073
	148B	11 Ebner Annealing Furnaces, (Natural Gas Burners)	
149	149	Bonding Mill	4256 / 4440-R1
150	150	Bonding Mill – Vanishing Lubricant	7367 / 7028
151	151	Cast Shop Vacuum System	4254 / 4441-R1
157	157	Parts Washer	4668 / 4714
158	158	Milling Machine Brush Box	4737 / 4940
159	133A	Tin Dip-Acid Flux Drying	7703 / 7473
160	160A	Ammunition Cupping Acid Pickling	6056 / 5976
	160B	Ammunition Cupping Pre-Annealing Dryer	
	160C	Ammunition Cupping Final Dryer	
161	161	Gasoline Dispensing Tank, 250 gallons	--
162	162	Emergency Generator (North)	SI-242

Table 2 - Insignificant Activities Equipment List

Insignificant Emission Unit ID	Insignificant Emission Unit Description
A	CAP 1 Furnace
B	CAP 1 Dryer 1
C	CAP 1 Dryer 2
D	CAP 1 Process Heater 1
E	CAP 1 Process Heater 2
F	CAP 1 Process Heater 3
G	CAP 2 Furnace
H	CAP 2 Dryer 1
I	CAP 2 Dryer 2
J	CAP 2 Process Heater 1
K	CAP 2 Process Heater 2
L	CAP 2 Process Heater 3
M	Boiler, Cleaver Brooks
N	Boiler, Burham
O	Steckel Furnace
P	Facility Heating Equipment
Q	Tin Line Dryer 1
R	Tin Line Dryer 2
S	Tin Line Production Tin Pot
T	Tin Line Offline Tin Pot
U	Algoma Oil Storage
V	Blaw Knox Oil Storage
W	Z Mill Oil Storage
X	Used Oil Storage
Y	Fuel Station Kerosene Tank
Z	Fuel Station Diesel Tank
AA	Cast Shop Natural Gas Usage
AB	A/A Reaction Tank
AC	Cupping Annealing Furnace
AD	Cupping Dryer 1
AE	Cupping Dryer 2
AF	Diesel Storage Tank, 300 gallons
152	Diesel Storage, 5000 gallons
153	Diesel Storage, 8000 gallons
154	Diesel Day Tank, 100 gallons
155	Diesel Day Tank, 100 gallons
156	Diesel Day Tank, 100 gallons

II. Plant-Wide Conditions

Facility Name: PMX Industries, Inc.
Permit Number: 02-TV-022R4

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

Permit Duration

The term of this permit is: less than 5 years
Commencing on: July 1, 2023
Ending on: June 30, 2028

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

Emission Limits

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

Opacity (visible emissions): 20% opacity
Authority for Requirement: LCO Sec. 10-60(a)

Sulfur Dioxide (SO_2): 500 parts per million by volume
Authority for Requirement: 567 IAC 23.3(3)"e"; LCO Sec. 10-65(2)

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"

Particulate Matter: No person shall permit, cause, suffer or allow the emission of particulate matter into the atmosphere in any one hour from any emission point from any process equipment at a rate in excess of that specified in Table 10-62-1 for the process weight rate allocated to such emission point. In any case, 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 or Table 10-62-1 of [LCO Sec. 10-62], whichever would result in the lowest allowable emission rate.
Authority for Requirement: LCO Sec. 10-62(a)

The emission standards specified in {LCO Sec. 10-62] shall apply and those specified in section 10-61, [LCO Sec. 10-62] and Table 10-62-1 shall not apply to each process of the types listed in the following sections, with the following exception: whenever the compliance status, history of operations, ambient air quality in the vicinity, or the type of control equipment utilized, would warrant maximum control, the air pollution control officer shall enforce 0.1 grains per dry standard cubic foot of exhaust gas, section 10-61, or [LCO Sec. 10-62], whichever would result in the lowest achievable emission rate.
Authority for Requirement: LCO Sec. 10-62(a)(1)

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, fertilizers or limestone.
4. Covering at all times when in motion, open-bodied vehicles transporting materials likely to give rise to airborne dusts.
5. Prompt removal of earth or other material from paved streets or to which earth or other material has been transported by trucking or earth-moving equipment, erosion by water or other means.
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"; LCO Sec. 10-66

Regulatory Authority

This facility is located in Linn County, Iowa. Linn County Public Health Department, under agreement with the Iowa Department of Natural Resources (DNR), is the primary regulatory agency in Linn County. This Title V permit is issued by the Iowa Department of Natural Resources, however, required contacts and information submittals referred to in this permit as required by "the Department" should continue to be directed to the Linn County Public Health Department office. This will include such items as stack test notification, stack test results submittal, oral and written excess emission reports, and reports and records required in the Linn County construction permits. Information specifically required by the Title V permit such as the annual EIQ and fees, annual compliance certification, semi-annual monitoring report and any Title V forms submitted for updates, modifications, renewals, etc. must be submitted to the Iowa DNR.

Authority for Requirement: 567 IAC 22.108

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40 CFR 60 Subpart M Requirements

This facility is subject to Standards of Performance for Secondary Brass and Bronze Production Plants.
See Appendix A, Applicable Federal Standards
Authority for Requirement: 40 CFR 60 Subpart M

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40 CFR 60 Subpart JJJJ Requirements

This facility is subject to Standards of Performance for Stationary Spark Ignition Internal Combustion Engines.
See Appendix A, Applicable Federal Standards
Authority for Requirement: 40 CFR 60 Subpart JJJJ

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40 CFR 63 Subpart ZZZZ Requirements
This facility is subject to National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines
See Appendix A, Applicable Federal Standards
Authority for Requirement: 40 CFR 63 Subpart ZZZZ

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40 CFR 63 Subpart CCCCCC Requirements
This facility is subject to National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Dispensing Facilities
See Appendix A, Applicable Federal Standards
Authority for Requirement: 40 CFR 63 Subpart CCCCCC

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40 CFR 63 Subpart TTTTTT Requirements
This facility is subject to National Emission Standards for Hazardous Air Pollutants for Secondary Nonferrous Metals Processing Area Sources
See Appendix A, Applicable Federal Standards
Authority for Requirement: 40 CFR 63 Subpart TTTTTT

III. Emission Point-Specific Conditions

Facility Name: PMX Industries, Inc.
Permit Number: 02-TV-022R4

Emission Point ID Number: 1

Table 3 - Associated Equipment

EP	EU	EU Description	Raw Material	Rated Capacity	CE ID	CE Description
1	601-615	Cast Shop (Charge Fed) Internally Vented	Copper and Brass Alloys	23.97 tph	--	--
	601-615	Cast Shop (Castings Created) Internally Vented				

Applicable Requirements

Table 4 - Emission Limits

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

EP	Pollutant	Emission Limit(s)	Authority for Requirement
1	Opacity	20%	LCO Sec.10-60(a)
	PM	0.1 gr/dscf	567 IAC 23.3(2)"a"(2) LCO Sec. 10-62(a)(1)

Monitoring Requirements

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

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

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

Compliance Assurance Monitoring (CAM) Plan Required? **Yes** ☐ **No** ☒
Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 105

Table 5 - Associated Equipment

EP	EU	EU Description	Raw Material	Rated Capacity	CE ID	CE Description
105	601	Station 1 Electric Induction Furnace	Copper & Brass Alloys	6.87 TPH	105	Baghouse
	602	Station 1 Electric Induction Furnace		6.87 TPH		
	604	Station 1 Electric Induction Furnace		13.75 TPH		
	606	Station 2 Electric Induction Furnace		3.21 TPH		
	607	Station 2 Electric Induction Furnace		3.21 TPH		
	608	Station 2 Electric Induction Furnace		6.62 TPH		
	611	Station 3 Electric Induction Furnace		3.33 TPH		
	614	Station 5 Electric Induction Furnace		3.33 TPH		
	615	Station 5 Electric Induction Furnace		5.03 TPH		

Applicable Requirements

Table 6 - NSPS Emission Limits

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

EP	Pollutant	Emission Limit(s)	Authority for Requirement
105	Opacity	10%	LCPH ATI 3424 / PTO 4247-R2 40 CFR §60.132(b) LCO Sec. 10-62(b)(1)"i" 567 IAC 23.1(2)"i"

Table 7 - NESHAP Emission Limits

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

EP	Pollutant	Emission Limit(s)	Authority for Requirement
105	PM	99% CE or 0.015 gr/dscf	LCPH ATI 3424 / PTO 4247-R2 40 CFR §63.11465(a) 567 IAC 23.1(4)"et" LCO Sec. 10-62(d)(150)

Table 8 - Other Emission Limits

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

EP	Pollutant	Emission Limit(s)	Authority for Requirement	Authority for Requirement
105	Opacity	20%	LCO Sec.10-60(a)	LCPH ATI 3424 / PTO 4247-R2
	PM	0.1 gr/dscf	567 IAC 23.4(5) LCO Sec. 10-62(a)(5)	
	PM/PM_{10}	1.5 lb/hr		
	SHAP	9.4 tpy[1]		
	THAP	24.4 tpy[1]		

[1] Plant-wide limit to remain minor for 112(g)

Operational Limits & Requirements

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

Control Device

A baghouse shall be installed to control particulate matter emissions. The control equipment shall be maintained properly and operated at all times the air pollution source is in operation. All appropriate probes, monitors and gauges needed to measure the parameters outlined in "Operating Condition Monitoring and Recordkeeping" shall be installed, maintained and operating during the operation of the emission unit and control device at all times.
Authority for Requirement: LCPH ATI 3424 / PTO 4247-R2

Operating Limits

A. The production rate of the cast shop stations shall be limited to 210,000 tons of alloys based on a 12-month rolling total.
B. The control equipment shall be operated and maintained in accordance with manufacturer's specifications and good operating practices.
C. The differential pressure across the entire baghouse shall be maintained between 3.5" and 10.5" of water column.
D. The owner or operator shall comply with the Standards of 40 CFR §60.130 [NSPS Subpart M] to comply with LCO Sec. 10-62(b)(1)"i".
E. The owner or operator shall comply with the applicable sections General Provisions of 40 CFR §§60 1-19 [NSPS Subpart A] to comply with LCO Sec. 10-62(b).
F. The owner or operator shall comply with the Standards of 40 CFR §63.11465 [NESHAP Subpart TTTTTT] to comply with LCO Sec. 10-62(d)(150).
G. The owner or operator shall comply with the General Provisions of 40 CFR §63.11471 [NESHAP Subpart TTTTTT] to comply with LCO Sec. 10-62(d)(150).

Authority for Requirement: LCPH ATI 3424 / PTO 4247-R2

Operating Condition Monitoring and Recordkeeping

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

A. The owner or operator shall monitor and record 'no visible emissions' observations on a weekly basis. An exceedance of 'no visible emissions' will require the owner/operator to promptly investigate the emission unit, make corrections to operations or equipment associated with the exceedance, and record the corrective action taken.
B. The owner or operator shall monitor and record the differential pressure across the control device on a weekly basis.
C. The owner or operator shall maintain all records of maintenance and repair completed on the control device.
D. The owner or operator shall comply with the NESHAP Subpart TTTTTT by meeting the Compliance and Monitoring Requirements of 40 CFR §63.11466 through 40 CFR §63.11468.
E. Notifications for NESHAP Subpart TTTTTT shall be done according to 40 CFR §63.11469.
F. Recordkeeping for NESHAP Subpart TTTTTT shall be done according to 40 CFR §63.11470.

Authority for Requirement: LCPH ATI 3424 / PTO 4247-R2

Federal Standards

A. New Source Performance Standards (NSPS):
The following subparts apply to the emission unit(s) in this permit:

Table 9 - Applicable NSPS Standards

EU ID	Subpart	Title	Type	Local Reference (LCO Sec.)	Federal Reference (40 CFR)
601, 602, 604 606, 607, 608 611,614, 615	A	General Conditions	NA	10-62(b)	§60.1 – §60.19
	M	Standards of Performance for Secondary Brass and Bronze Production Plants		10-62(b)(1)"i"	§60.130 – §60.133

Authority for Requirement: LCO Sec. 10-62(b); LCO Sec. 10-62(b)(1)"i"; LCPH ATI 3424 / PTO 4247-R2

B. National Emission Standards for Hazardous Air Pollutants (NESHAP):
The following subparts apply to the emission unit(s) in this permit:

Table 10 - Applicable NESHAP Standards

EU ID	Subpart	Title	Type	Local Reference (LCO Sec.)	Federal Reference (40 CFR)
601, 602, 604 606, 607, 608 611,614, 615	A	General Conditions	NA	Sec. 10-62(d)(1)	§63.1 – §63.16
601, 602, 604 606, 607, 608 611,614, 615	TTTTTT	National Emission Standards for Hazardous Air Pollutants for Secondary Nonferrous Metals Processing Area Sources		Sec. 10-62(d)(150)	§63.11462 – §63.11474

Authority for Requirement: LCO Sec. 10-62(d)(1); LCO Sec. 10-62(d)(150); LCPH ATI 3424 / PTO 4247-R2

Table 11 - Emission Point Characteristics

The emission point shall conform to the specifications listed below.

EP	Stack Height (feet, above ground)	Discharge Style	Stack Opening (inches, dia.)	Temp (°F)	Flowrate (acfm)	Authority for Requirement
105	91.1	V	84	136	77,857	LCPH ATI 3424 / PTO 4247-R2

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** ☐
See Appendix C, Agency O&M Plans Summary.

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

Compliance Assurance Monitoring (CAM) Plan Required? **Yes** ☐ **No** ☒
Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 106, 113, 114

Table 12 - Associated Equipment

EP	EU	EU Description	Raw Material	Rated Capacity	CE ID	CE Description
106	106	Algoma Finishing Mill	Copper & Brass Alloys	7.92 TPH	106	3 Stage Mist Eliminator
113	113	Blaw Knox Rolling Mill		11.10 TPH	113	3 Stage Mist Eliminator
114	114	Sendzimer Finishing Mill		11.10 TPH	114	3 Stage Mist Eliminator

Applicable Requirements

Table 13 - Emission Limits

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

EP	Pollutant	Emission Limit(s)	Authority for Requirement	Authority for Requirement
106 113	PM	0.1 gr/scf	LCO Sec. 10-62(a)(1) 567 IAC 23.3(2)"a"(2)	LCPH ATI 3552 / PTO 3722-R3 LCPH ATI 3574 / PTO 3723-R3
114	Opacity	20%	LCO Sec.10-60(a)	LCPH ATI 3575 / PTO 3724-R3
106	PM/PM_{10}	1.85 lb/hr		LCPH ATI 3552 / PTO 3722-R3
113		1.85 lb/hr		LCPH ATI 3574 / PTO 3723-R3
114		1.85 lb/hr		LCPH ATI 3575 / PTO 3724-R3

Operational Limits & Requirements

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

Control Equipment

A three stage mist eliminator shall be installed to control particulate matter emissions. The control equipment shall be maintained properly and operated at all times the air pollution source is in operation. All appropriate probes, monitors and gauges needed to measure the parameters outlined in "Operating Condition Monitoring and Recordkeeping" shall be installed, maintained and operating during the operation of the emission unit and control device at all times.

Authority for Requirement: LCPH ATI 3552 / PTO 3722-R3; LCPH ATI 3574 / PTO 3723-R3
LCPH ATI 3575 / PTO 3724-R3

Operating Limits

A. The control equipment shall be operated and maintained in accordance with manufacturer's specifications and good operating practices.

Authority for Requirement: LCPH ATI 3552 / PTO 3722-R3; LCPH ATI 3574 / PTO 3723-R3
LCPH ATI 3575 / PTO 3724-R3

Operating Condition Monitoring and 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 Department. Records shall be legible and maintained in an orderly manner. The operating requirements and associated recordkeeping for this permit shall be:

A. The owner or operator shall monitor and record 'no visible emissions' observations on a weekly basis. An exceedance of 'no visible emissions' will require the owner/operator to promptly investigate the emission unit, make corrections to operations or equipment associated with the exceedance, and record the corrective action taken.
B. The owner or operator shall maintain all records of maintenance and repair completed on the control device.

Authority for Requirement: LCPH ATI 3552 / PTO 3722-R3; LCPH ATI 3574 / PTO 3723-R3
LCPH ATI 3575 / PTO 3724-R3

Table 14 - Emission Point Characteristics

The emission point shall conform to the specifications listed below.

EP	Stack Height (feet, above ground)	Discharge Style	Stack Opening (inches, dia.)	Temp (°F)	Flowrate (acfm)	Authority for Requirement
106	61.9	V	46	100	37,797	LCPH ATI 3352 / PTO 3722-R3
113	61.9	V	46.2	99.7	33,797	LCPH ATI 3574 / PTO 3723-R3
114	62.5	V	48.4	99.7	33,797	LCPH ATI 3575 / PTO 3724-R3

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.

Opacity Monitoring
See Appendix D, Opacity Monitoring Summary.
Authority for Requirement: 567 IAC 22.108(14)

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

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

Compliance Assurance Monitoring (CAM) Plan Required? **Yes** ☐ **No** ☒
Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 107

Table 15 - Associated Equipment

EP	EU	EU Description	Raw Material	Rated Capacity	CE ID	CE Description
107	107	Sulfuric Acid Pickling of Alloys	Copper & Brass Alloys	10.65 TPH	107	Scrubber

Applicable Requirements

Table 16 - Emission Limits

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

EP	Pollutant	Emission Limit(s)	Authority for Requirement	Authority for Requirement
107	PM	0.1 gr/scf	LCO Sec. 10-62(a)(1) 567 IAC 23.3(2)"a"(2)	
	Opacity	20%	LCO Sec.10-60(a)	
	PM/PM_{10}	0.17 lb/hr; 0.75 tpy		LCPH ATI 2694 / PTO 2606

Monitoring Requirements

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

Opacity Monitoring
See Appendix D, Opacity Monitoring Summary.
Authority for Requirement: 567 IAC 22.108(14)

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

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

Compliance Assurance Monitoring (CAM) Plan Required? **Yes** ☐ **No** ☒
Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 108

Table 17 - Associated Equipment

EP	EU	EU Description	Raw Material	Rated Capacity	CE ID	CE Description
108	108	Two Stand Tandem Mill	Copper & Brass Alloys	29.32 TPH	--	--

Applicable Requirements

Table 18 - Emission Limits

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

EP	Pollutant	Emission Limit(s)	Authority for Requirement	Authority for Requirement
108	PM	0.1 gr/scf	LCO Sec. 10-62(a)(1) 567 IAC 23.3(2)"a"(2)	LCPH ATI 3009 / PTO 3962-R1
	PM/PM_{10}	3.01 lb/hr		
	Opacity	20%	LCO Sec.10-60(a)	

Operational Limits & Requirements

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

Operating Condition Monitoring and 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 Department. Records shall be legible and maintained in an orderly manner. The operating requirements and associated recordkeeping for this permit shall be:

1) Monitor and record "no visible emissions" observations on a weekly basis.
Authority for Requirement: LCPH ATI 3009 / PTO 3962-R1

Table 19 - Emission Point Characteristics

The emission point shall conform to the specifications listed below.

EP	Stack Height (feet, above ground)	Discharge Style	Stack Opening (inches, dia.)	Temp (°F)	Flowrate (acfm)	Authority for Requirement
108	51.8	V	36.3	83.3	32,366	LCPH ATI 3009 / PTO 3962-R1

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.

Opacity Monitoring
See Appendix D, Opacity Monitoring Summary.
Authority for Requirement: 567 IAC 22.108(14)

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒
Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒
Compliance Assurance Monitoring (CAM) Plan Required? Yes ☐ No ☒
Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 120

Table 20 - Associated Equipment

EP	EU	EU Description	Raw Material	Rated Capacity	CE ID	CE Description
120	120	Surface Milling Machine	Copper & Brass Alloys	26.71 TPH	120A	Cyclone
					120B	Cyclone
					120C	Venturi Scrubber

Applicable Requirements

Table 21 - Emission Limits

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

EP	Pollutant	Emission Limit(s)	Authority for Requirement	Authority for Requirement
120	PM	0.1 gr/scf	LCO Sec. 10-62(a)(1) 567 IAC 23.3(2)"a"(2)	LCPH ATI 5097 / PTO 5138
	PM/PM_{10}	0.41 lb/hr; 1.79 tpy		
	Opacity	20%	LCO Sec.10-60(a)	

Operational Limits & Requirements

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

Control Device

Two cyclones and a venturi scrubber shall be used to control particulate matter emissions. The control equipment shall be maintained properly and operated at all times the air pollution source is in operation. All appropriate probes, monitors and gauges needed to measure the parameters outlined in "Operating Condition Monitoring and Recordkeeping Requirements" shall be installed, maintained and operating during the operation of the emission unit and control device at all times.
Authority for Requirement: LCPH ATI 5097 / PTO 5138

Operating Limits

A. The control equipment on this unit shall be maintained according to the manufacturer's specifications and/or good operating practices.

Authority for Requirement: LCPH ATI 5097 / PTO 5138

Operating Condition Monitoring and 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 Department. Records shall be legible and maintained in an orderly manner. The operating requirements and associated recordkeeping for this permit shall be:

1) Monitor and record "no visible emissions" observations on a weekly basis.
2) Monitor and record the recirculation water flow rate in the scrubber on a weekly basis.
3) Monitor and record the fresh water flow rate in the scrubber on a weekly basis.
4) Monitor and record the pressure differential across the scrubber on a weekly basis.
5) Maintain all maintenance records performed on the two cyclones and venturi scrubber.
6) Maintain Material Safety Data Sheets (MSDS) of all metal alloys processed through this emission unit.

Authority for Requirement: LCPH ATI 5097 / PTO 5138

Table 22 - Emission Point Characteristics

The emission point shall conform to the specifications listed below.

EP	Stack Height (feet, above ground)	Discharge Style	Stack Opening (inches, dia.)	Temp (°F)	Flowrate (acfm)	Authority for Requirement
120	52	V	30	69	22,035 (scfm)	LCPH ATI 5097 / PTO 5138

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.

Opacity Monitoring
See Appendix D, Opacity Monitoring Summary.
Authority for Requirement: 567 IAC 22.108(14)

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

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

Compliance Assurance Monitoring (CAM) Plan Required? **Yes** ☐ **No** ☒
Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 121

Table 23 - Associated Equipment

EP	EU	EU Description	Raw Material	Rated Capacity	CE ID	CE Description
121	120	Surface Milling Machine (Chip Transfer System)	Copper & Brass Alloy Chips	26.71 TPH	120A 120B 121	Cyclone Cyclone Cyclone

Applicable Requirements

Table 24 - Emission Limits

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

EP	Pollutant	Emission Limit(s)	Authority for Requirement	Authority for Requirement
121	PM	0.1 gr/scf	LCO Sec. 10-62(a)(1) 567 IAC 23.3(2)"a"(2)	LCPH ATI 3808 / PTO 3527-R2
	Opacity	20%	LCO Sec.10-60(a)	
	PM/PM_{10}	0.30 lb/hr		

Operational Limits & Requirements

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

Operating Requirements with Associated Monitoring and Recordkeeping

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

A. The control equipment shall be maintained and operated according to the manufacturer's specifications and good operating practices. The owner or operator shall record the date and description of all maintenance and repair completed on the control equipment.

Authority for Requirement: LCPH ATI 3808 / PTO 3527-R2

Table 25 - Emission Point Characteristics

The emission point shall conform to the specifications listed below.

EP	Stack Height (feet, above ground)	Discharge Style	Stack Opening (inches, dia.)	Temp (°F)	Flowrate (acfm)	Authority for Requirement
121	42	V	18	Ambient	3,583	LCPH ATI 3808 / PTO 3527-R2

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 22.108(3)

Emission Point ID Number: 124

Table 26 - Associated Equipment

EP	EU	EU Description	Raw Material	Rated Capacity	CE ID	CE Description
124	124	Descaler Dry Brush	Copper & Brass Alloys	26.5 TPH	124	Baghouse

Applicable Requirements

Table 27 - Emission Limits

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

EP	Pollutant	Emission Limit(s)	Authority for Requirement	Authority for Requirement
124	PM	0.1 gr/scf	LCO Sec. 10-62(a)(1) 567 IAC 23.3(2)"a"(2)	
	PM/PM_{10}	1.96 lb/hr; 8.58 tpy		LCPH ATI 3260 / PTO 3961-R1
	Opacity	20%	LCO Sec.10-60(a)	

Operational Limits & Requirements

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

Control Device

A baghouse shall be installed, in good operating condition, and operating anytime the descaler is operating. A pressure drop gauge shall be installed to determine the pressure drop across the bags in the baghouse. This gauge shall be maintained in proper working condition and accessible to air pollution control personnel.
Authority for Requirement: LCPH ATI 2360 / PTO 3961-R1

Operating Limits

- This source shall be limited to a process rate not to exceed 53,000 lb/hr based on a 30-day rolling average.
- Airflow for the dust collector shall not exceed 34,000 dscfm.

Authority for Requirement: LCPH ATI 2360 / PTO 3961-R1

Recordkeeping Requirements

The following items are to be recorded and available on site for review by air pollution control personnel upon request:

- Monthly process rate of metal through descaler

Records shall be kept for no less than five years.
Authority for Requirement: LCPH ATI 2360 / PTO 3961-R1

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** ☐
See Appendix B, CAM Plans Summary.

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 125

Table 28 - Associated Equipment

EP	EU	EU Description	Raw Material	Rated Capacity	CE ID	CE Description
125	125	Acid Pickle Descaling Line	Copper & Brass Alloys	25.31 TPH	125	Packed Bed Scrubber

Applicable Requirements

Table 29 - Emission Limits

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

EP	Pollutant	Emission Limit(s)	Authority for Requirement	Authority for Requirement
125	PM	0.1 gr/scf	LCO Sec. 10-62(a)(1) 567 IAC 23.3(2)"a"(2)	
	PM_{10}	0.01 gr/dscf; 0.64 tpy[1]		LCPH ATI 3168 / PTO 2987
	Opacity	< 10%		
		20%	LCO Sec.10-60(a)	

[1] Emission limit is based on a 12-month rolling average.

Operational Limits & Requirements

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

Control Device

This source shall maintain the scrubber in proper working condition anytime the descaling pickle is operating. On line flow meters shall be installed to monitor the flow of water to the scrubber. These meters shall be easily accessible to air pollution control personnel to verify water flow during compliance inspections of the facility.
Authority for Requirement: LCPH ATI 3168 / PTO 2987

Operating Limits

This emission source shall be limited to a sulfuric acid pickling solution. Any other pickling solutions will require a new permit. Hours of operation of this source are not limited. Airflow from the stack shall not exceed 1700 dscfm. Any increase in airflow will require a new permit.
Authority for Requirement: LCPH ATI 3168 / PTO 2987

Monitoring Requirements

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

Opacity Monitoring
See Appendix D, Opacity Monitoring Summary.
Authority for Requirement: 567 IAC 22.108(14)

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

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

Compliance Assurance Monitoring (CAM) Plan Required? **Yes** ☐ **No** ☒
Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 126

Table 30 - Associated Equipment

EP	EU	EU Description	Raw Material	Rated Capacity	CE ID	CE Description
126	126	Sendzimer High Cold Rolling Mill	Copper & Brass Alloys	3 TPH	--	--

Applicable Requirements

Table 31 - Emission Limits

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

EP	Pollutant	Emission Limit(s)	Authority for Requirement	Authority for Requirement
126	PM	0.1 gr/scf	LCO Sec. 10-62(a)(1) 567 IAC 23.3(2)"a"(2)	LCPH ATI 3008 / PTO 4059-R1
	PM/PM_{10}	0.86 lb/hr		
	Opacity	20%	LCO Sec.10-60(a)	

Operational Limits & Requirements

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

Operating Requirements with Associated Monitoring and Recordkeeping

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

A. The owner or operator shall monitor and record 'no visible emissions' observations on a weekly basis. An exceedance of 'no visible emissions' will require the owner/operator to promptly investigate the emission unit, make corrections to operations or equipment associated with the exceedance, and record the corrective action taken.

B. The owner or operator shall maintain Safety Data Sheets (SDS) of all lubricants used in EU126.

Authority for Requirement: LCPH ATI 3008 / PTO 4059-R1

Table 32 - Emission Point Characteristics

The emission point shall conform to the specifications listed below.

EP	Stack Height (feet, above ground)	Discharge Style	Stack Opening (inches, dia.)	Temp (°F)	Flowrate (acfm)	Authority for Requirement
126	50	V	22	81	10,000	LCPH ATI 3008 / PTO 4059-R1

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 22.108(3)

Emission Point ID Number: 127, 128, 144, 148

Table 33 - Associated Equipment

EP	EU	EU Description	Raw Material / Fuel	Rated Capacity	CE ID	CE Description
127	127	11 Ebner Annealing Furnaces	Copper & Brass Coils	17.2 TPH	127	Filters
	127B					
128	128				128	Filters
	128B					
144	144		Natural Gas	17,156.86 CFH	144	Filters
	144B					
148	148				148	Filters
	148B					

Applicable Requirements

Table 34 - Emission Limits

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

EP	Pollutant	Emission Limit(s)	Authority for Requirement	Authority for Requirement
127	Opacity	5%		LCPH ATI 3006 / PTO 3524
128	PM_{10}	0.038 lb/hr, 0.17 tpy		LCPH ATI 3005 / PTO 3525
144	Opacity	5%		LCPH ATI 4017 / PTO 4071
148	PM_{10}	0.66 tpy		LCPH ATI 4016 / PTO 4073
127 128 144 148	PM	0.1 gr/dscf	567 IAC 23.3(2)"a"(2) LCO Sec. 10-62(a)(1)	
	SO_2	500 ppmv	567 IAC 23.3(3)"e" LCO Sec. 10-65(2)	
	Opacity	20%	LCO Sec.10-60(a)	

Operational Limits & Requirements

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

Operation Limits: (EP 127 and EP 128)

- Maintain filter elements in proper operating condition per manufacturer's specifications.
- The annealing furnaces may be operated at the maximum designed manufacturer's capacity at the time this permit was issued. Any change in furnace capacity or number of furnaces per bank will require new permits.

Authority for Requirement: LCPH ATI 3006 / PTO 3524; LCPH ATI 3005 / PTO 3525

Control Device: (EP144 and EP 148)

Filter elements will be installed to control particulate emissions and to reduce opacity. The filter elements shall be maintained in place and in good operating condition at all times. Filters shall be changed on a regular basis as needed.
Authority for Requirement: LCPH ATI 4017 / PTO 4071; LCPH ATI 4016 / PTO 4073

Operating Limits: (EP 144 and EP148)

Maintain filter elements in proper operating condition per manufacturer's specifications.
Authority for Requirement: LCPH ATI 4017 / PTO 4071; LCPH ATI 4016 / PTO 4073

Monitoring Requirements

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

Opacity Monitoring
See Appendix D, Opacity Monitoring Summary.
Authority for Requirement: 567 IAC 22.108(14)

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

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

Compliance Assurance Monitoring (CAM) Plan Required? **Yes** ☐ **No** ☒
Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 129

Table 35 - Associated Equipment

EP	EU	EU Description	Fuel	Rated Capacity	CE ID	CE Description
129	129	Reheating Cast Copper and Brass Alloy Slabs	Natural Gas	0.0627451 MMcf/hr	--	--

Applicable Requirements

Table 36 - Emission Limits

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

EP	Pollutant	Emission Limit(s)	Authority for Requirement	Authority for Requirement
129	PM	0.1 gr/scf	LCO Sec. 10-62(a)(1) 567 IAC 23.3(2)"a"(2)	LCPH ATI 3007 / PTO 2984-R2
	PM/PM_{10}	0.48 lb/hr		
	Opacity	20%	LCO Sec.10-60(a)	
	SO_2	500 ppmv[1]	567 IAC 23.3(3)"e" LCO Sec. 10-65(2)	

[1] Emission unit is inherently limited to combusting natural gas only.

Table 37 - Emission Point Characteristics

The emission point shall conform to the specifications listed below.

EP	Stack Height (feet, above ground)	Discharge Style	Stack Opening (inches, dia.)	Temp (°F)	Flowrate (acfm)	Authority for Requirement
129	77	V	108	400	14,950	LCPH ATI 3007 / PTO 2984-R2

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.

Opacity Monitoring
See Appendix D, Opacity Monitoring Summary.
Authority for Requirement: 567 IAC 22.108(14)

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

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

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

Emission Point ID Number: 132

Table 38 - Associated Equipment

EP	EU	EU Description	Fuel	Rated Capacity	CE ID	CE Description
132	132	Emergency Fire Pump	Diesel Fuel	10.2 GPH 143 BHP	--	--

Applicable Requirements

Table 39 - Emission Limits

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

EP	Pollutant	Emission Limit(s)	Authority for Requirement
132	PM	0.1 gr/scf	LCO Sec. 10-62(a)(1) 567 IAC 23.3(2)"a"(2)
		0.6 lb/MMBtu	567 IAC 23.3(2)(b)"2" LCO Sec. 10-61(b)(1)
	Opacity	20%	LCO Sec.10-60(a)
	SO_2	1.5 lb/MMBtu (max 2-hr avg)	LCO Sec. 10-65(1)(b)

Operational Limits & Requirements

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

Federal Standards

A. National Emission Standards for Hazardous Air Pollutants (NESHAP):
The following subparts apply to the emission unit(s):

Table 40 - Applicable NESHAP Standards

EU ID	Subpart	Title	Type	Local Reference (LCO Sec.)	Federal Reference (40 CFR)
132	ZZZZ	National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines	Fire Pump	10-62(d)(104)	§63.6580 – §63.6675

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

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

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

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

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

Operating Limits 40 CFR §63.6640(f)

1. Any operation other than emergency operation, maintenance and testing, 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"

Monitoring Requirements

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

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

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

Compliance Assurance Monitoring (CAM) Plan Required? **Yes** ☐ **No** ☒
Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 133

Table 41 - Associated Equipment

EP	EU	EU Description	Raw Material	Rated Capacity	CE ID	CE Description
133	133A	Acid Flux Application	Copper & Brass Alloy Strip	10.91 TPH	133	Packed Bed Scrubber
	133B	Tinning	Tin, Copper & Brass Alloy Strip	10.91 TPH		

Applicable Requirements

Table 42 - Emission Limits

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

EP	Pollutant	Emission Limit(s)	Authority for Requirement	Authority for Requirement
133	PM	0.1 gr/scf	LCO Sec. 10-62(a)(1) 567 IAC 23.3(2)"a"(2)	LCPH ATI 3507 / PTO 3973-R1
	PM_{10}	1.37 lb/hr		
	Opacity	20%	LCO Sec.10-60(a)	

Operational Limits & Requirements

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

Control Device

A packed bed water scrubber shall be installed, maintained and operated anytime the hot tin dip process is operated. A pressure drop gauge shall be installed across the scrubber. A gauge to measure water flow rates to the scrubber and the water flow re-circulation shall be installed.
Authority for Requirement: LCPH ATI 3507 / PTO 3973-R1

Operating Limits

A. The control equipment shall be operated and maintained in accordance with manufacturer's specifications and good operating practices.
B. The differential pressure across scrubber shall be maintained between 0.5" and 15" of water column.
C. The recirculation water flow rate in the scrubber shall be maintained at a minimum of 59 gpm.
D. The fresh water flow rate in the scrubber shall be maintained at a minimum of 3 gpm.

Authority for Requirement: LCPH ATI 3507 / PTO 3973-R1

Operating Condition Monitoring and Recordkeeping

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

A. The owner or operator shall monitor and record 'no visible emissions' observations on a weekly basis. An exceedance of 'no visible emissions' will require the owner/operator to promptly investigate the emission unit, make corrections to operations or equipment associated with the exceedance, and record the findings and corrective action taken.
B. The owner or operator shall monitor and record the differential pressure across the control device on a weekly basis.
C. The owner or operator shall monitor and record the recirculation water flow rate on a weekly basis.
D. The owner or operator shall monitor and record the fresh water flow rate on a weekly basis.
E. The owner or operator shall maintain all records of maintenance and repair completed on the control device.

Authority for Requirement: LCPH ATI 3507 / PTO 3973-R1

Table 43 - Emission Point Characteristics

The emission point shall conform to the specifications listed below.

EP	Stack Height (feet, above ground)	Discharge Style	Stack Opening (inches, dia.)	Temp (°F)	Flowrate (acfm)	Authority for Requirement
133	50.73	V	22	68	8,000	LCPH ATI 3507 / PTO 3973-R1

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.

Opacity Monitoring
See Appendix D, Opacity Monitoring Summary.
Authority for Requirement: 567 IAC 22.108(14)

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

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

Compliance Assurance Monitoring (CAM) Plan Required? **Yes** ☐ **No** ☒
Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 135, 136

Table 44 - Associated Equipment

EP	EU	EU Description	Fuel	Rated Capacity	CE ID	CE Description
135	135	Non-emergency Generator	Diesel Fuel	134 GPH	135	DOC
136	136	Non-emergency Generator	Diesel Fuel	134 GPH	136	DOC

Applicable Requirements

Table 45 - Emission Limits

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

EP	Pollutant	Emission Limit(s)	Authority for Requirement	Authority for Requirement
135 136	PM	0.1 gr/scf	LCO Sec. 10-62(a)(1) 567 IAC 23.3(2)"a"(2)	LCPH ATI 4482 / PTO 4500 LCPH ATI 4483 / PTO 4501
	PM	0.519 lb/MMBtu	LCO Sec. 10-61(b)(2)	
	PM/PM_{10}	2.4 lb/hr		
	NO_x	71 lb/hr; 5.33 tpy		
	Opacity	20%	LCO Sec.10-60(a)	
	SO_2	1.5 lb/MMBtu (max 2-hr avg)	LCO Sec. 10-65(1)(b)	

Operational Limits & Requirements

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

Federal Standards

A. National Emission Standards for Hazardous Air Pollutants (NESHAP):
The following subparts apply to the emission unit(s):

Table 46 - Applicable NESHAP Standards

EU ID	Subpart	Title	Type	Local Reference (LCO Sec.)	Federal Reference (40 CFR)
135 136	ZZZZ	National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines	Existing CI	10-62(d)(104)	§63.6580 – §63.6675

The non-emergency engines are 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) these non-emergency engines, located an area source, are an existing stationary RICE as they were constructed prior to June 12, 2006.

Compliance Date[1]:
According to 40 CFR §63.6595(a)(1), you must comply with the applicable provisions of Subpart ZZZZ no later than May 3, 2013.

Emission Standards[2]:
According to 40 CFR §63.6603(a) and Table 2d, you must comply with the following emission standards:

1. Limit concentration of CO to 23 ppmvd or less at 15 percent O_2; or
2. Reduce CO emissions by 70 percent or more.

Operating Limits[2]:
According to 40 CFR §63.6603(a) and Table 2b, you must comply with the following operating limits if you use an oxidation catalyst system:

1. Maintain your catalyst so that the pressure drop across the catalyst does not change by more than 2 inches of water from the pressure drop across the catalyst that was measured during the initial performance test; and
2. Maintain the temperature of the engine exhaust so that the catalyst inlet temperature is greater than or equal to 450 °F and less than or equal to 1350 °F.

If you do not use an oxidation catalyst system, you must comply with any operating limitations approved by the Administrator.

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[1] In accordance with 40 CFR §63.6603(e), if your engine is certified to the Tier 3 (Tier 2 for engines > 560 kW) emission standards in Table 1 of 40 CFR §89.112, you may comply with the requirements under Part 63 by meeting the requirements for Tier 3 engines (Tier 2 for engines > 560 kW) in 40 CFR Part 60 Subpart IIII.

[2] See 40 CFR §63.6603(d) for alternative standards for certain certified Tier 1 and Tier 2 engines that are required to be replaced no later than June 1, 2018. However, you must submit a notification by March 3, 2013 in accordance with 40 CFR §63.6645(i).

Fuel Requirements: (for diesel CI engines with a displacement of < 30 liters / cylinder)

You must use diesel fuel that meets the requirements in 40 CFR §80.510(b) for nonroad diesel fuel. Those requirements include 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 §63.6604(a).

Testing and Compliance Requirements:

1. According to 40 CFR §63.6612(a), you must conduct the initial performance tests or other applicable initial compliance demonstrations in Tables 4 and 5 to subpart ZZZZ no later than 180 days after the compliance date (or October 30, 2013).
2. You must demonstrate initial compliance with applicable emission limitations, operating limitations, and other requirements in pursuant to 40 CFR §63.6630(a), (b), and (c).
3. According to 40 CFR §63.6615 and Table 3 to subpart ZZZZ, you must conduct subsequent performance tests every 8,760 hours or 3 years, whichever comes first.
4. You must conduct the performance testing in accordance with 40 CFR §63.6620 to demonstrate compliance with applicable emission standards. You are required to notify the DNR 60 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.
5. If you are required to install a continuous parameter monitoring system (CPMS) as specified in Table 5 of subpart ZZZZ, you must install, operate, and maintain the CPMS according to the requirements in 40 CFR §63.6625(b).
6. If your engine is not equipped with a closed crankcase ventilation system, you must comply with requirements in 40 CFR §63.6625(g) for operating and maintaining the engine's crankcase ventilation system [(2)].
7. According to 40 CFR §63.6625(h) and Table 2d, you must 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, after which time the non-startup emission standards apply.
8. You must demonstrate continuous compliance with applicable emission limitations, operating limitations, and other requirements in pursuant to 40 CFR §63.6605, §6635, and §6640(a), (b), and (e).

Notification, Reporting, and Recordkeeping Requirements

1. You must comply with the applicable notification requirements in pursuant to 40 CFR §63.6645(a), (g), (h), and (i).
2. You must comply with the applicable reporting requirements in pursuant to 40 CFR §63.6650(a) to (f).
3. You must comply with the applicable recordkeeping requirements in pursuant to 40 CFR §63.6655(a), (b), and (d), and 40 CFR §63.6660, including keeping records for at least 5 years.

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

Operating Limits

- This source shall be limited to 18,285 gallons of diesel fuel consumed per year calculated on a 12-month rolling total.
- Fuel use in this unit shall be limited to either #1 or #2 distillate grade diesel fuel oil only, with a maximum concentration of 0.5% sulfur by weight.
- This unit shall install a fuel meter in order to record monthly fuel consumption.

Authority for Requirement: LCPH ATI 4482 / PTO 4500; LCPH ATI 4483 / PTO 4501

Operating Condition Monitoring and Recordkeeping

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

- Total gallons of fuel combusted calculated monthly using a 12-month rolling total
- Type of fuel burned and sulfur concentration by weight

Authority for Requirement: LCPH ATI 4482 / PTO 4500; LCPH ATI 4483 / PTO 4501

Quarterly Report Requirements

The following information shall be submitted to this department by the 30th of each month for the previous quarter (January 30, April 30, July 30 and October 30).

- Fuel usage records for the quarter based on a 12-month rolling total

Authority for Requirement: LCPH ATI 4482 / PTO 4500; LCPH ATI 4483 / PTO 4501

Table 47 - Emission Point Characteristics

The emission point shall conform to the specifications listed below.

EP	Stack Height (feet, above ground)	Discharge Style	Stack Opening (inches, dia.)	Temp (°F)	Flowrate (acfm)	Authority for Requirement
135	20	V	14	888	5,499 (scfm)	LCPH ATI 4482 / PTO 4500
136	20	V	14	888	5,499 (scfm)	LCPH ATI 4483 / PTO 4501

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.

Stack Testing

See Appendix E, Stack Testing Summary

Authority for Requirement – 567 IAC 22.108(3)

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

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

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

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 137, 138, 139

Table 48 - Associated Equipment

EP	EU	EU Description	Fuel	Rated Capacity	CE ID	CE Description
137	137	Non-emergency Generator	Diesel Fuel	152 GPH	137	DOC
138	138	Non-emergency Generator	Diesel Fuel	152 GPH	138	DOC
139	139	Non-emergency Generator	Diesel Fuel	152 GPH	139	DOC

Applicable Requirements

Table 49 - Emission Limits

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

EP	Pollutant	Emission Limit(s)	Authority for Requirement	Authority for Requirement
137 138 139	PM	0.1 gr/scf	LCO Sec. 10-62(a)(1) 567 IAC 23.3(2)"a"(2)	LCPH ATI 4484 / PTO 4502 LCPH ATI 4485 / PTO 4503 LCPH ATI 4486 / PTO 4504
	PM	0.5 lb/MMBtu	LCO Sec. 10-61(b)(2)	
	PM/PM_{10}	2.67 lb/hr		
	NO_x	50 lb/hr; 8.8 tpy		
	Opacity	20%	LCO Sec.10-60(a)	
	SO_2	1.5 lb/MMBtu (max 2-hr avg)	LCO Sec. 10-65(1)(b)	

Operational Limits & Requirements

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

Federal Standards

A. National Emission Standards for Hazardous Air Pollutants (NESHAP):
The following subparts apply to the emission unit(s):

Table 50 - Applicable NESHAP Standards

EU ID	Subpart	Title	Type	Local Reference (LCO Sec.)	Federal Reference (40 CFR)
137 138 139	ZZZZ	National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines	Existing CI	10-62(d)(104)	§63.6580 – §63.6675

The non-emergency engines are 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) these non-emergency engines, located an area source, are an existing stationary RICE as they were constructed prior to June 12, 2006.

Compliance Date [1]:
According to 40 CFR §63.6595(a)(1), you must comply with the applicable provisions of Subpart ZZZZ no later than May 3, 2013.

Emission Standards [2]:
According to 40 CFR §63.6603(a) and Table 2d, you must comply with the following emission standards:

1. Limit concentration of CO to 23 ppmvd or less at 15 percent O_2; or
2. Reduce CO emissions by 70 percent or more.

Operating Limits [2]:
According to 40 CFR §63.6603(a) and Table 2b, you must comply with the following operating limits if you use an oxidation catalyst system:

1. Maintain your catalyst so that the pressure drop across the catalyst does not change by more than 2 inches of water from the pressure drop across the catalyst that was measured during the initial performance test; and
2. Maintain the temperature of the engine exhaust so that the catalyst inlet temperature is greater than or equal to 450 °F and less than or equal to 1350 °F.

If you do not use an oxidation catalyst system, you must comply with any operating limitations approved by the Administrator.

Fuel Requirements: (for diesel CI engines with a displacement of < 30 liters / cylinder)
You must use diesel fuel that meets the requirements in 40 CFR §80.510(b) for nonroad diesel fuel. Those requirements include 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 63.6604(a).

Testing and Compliance Requirements:

1. According to 40 CFR §63.6612(a), you must conduct the initial performance tests or other applicable initial compliance demonstrations in Tables 4 and 5 to subpart ZZZZ no later than 180 days after the compliance date (or October 30, 2013).
2. You must demonstrate initial compliance with applicable emission limitations, operating limitations, and other requirements in pursuant to 40 CFR §63.6630(a), (b), and (c).
3. According to 40 CFR §63.6615 and Table 3 to subpart ZZZZ, you must conduct subsequent performance tests every 8,760 hours or 3 years, whichever comes first.
4. You must conduct the performance testing in accordance with 40 CFR §63.6620 to demonstrate compliance with applicable emission standards. You are required to notify the DNR 60 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.
5. If you are required to install a continuous parameter monitoring system (CPMS) as specified in Table 5 of subpart ZZZZ, you must install, operate, and maintain the CPMS according to the requirements in 40 CFR §63.6625(b).
6. If your engine is not equipped with a closed crankcase ventilation system, you must comply with requirements in 40 CFR §63.6625(g) for operating and maintaining the engine's crankcase ventilation system [(2)].
7. According to 40 CFR §63.6625(h) and Table 2d, you must 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, after which time the non-startup emission standards apply.
8. You must demonstrate continuous compliance with applicable emission limitations, operating limitations, and other requirements in pursuant to 40 CFR §63.6605, §6635, and §6640(a), (b), and (e).

Notification, Reporting, and Recordkeeping Requirements

1. You must comply with the applicable notification requirements in pursuant to 40 CFR §63.6645(a), (g), (h), and (i).
2. You must comply with the applicable reporting requirements in pursuant to 40 CFR §63.6650(a) to (f).
3. You must comply with the applicable recordkeeping requirements in pursuant to 40 CFR §63.6655(a), (b), and (d), and 40 CFR §63.6660, including keeping records for at least 5 years.

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

Operating Limits

- This source shall be limited to 48,646 gallons of diesel fuel consumed per year calculated on a 12-month rolling total.
- Fuel use in this unit shall be limited to either #1 or #2 distillate grade diesel fuel oil only, with a maximum concentration of 0.5% sulfur by weight.
- This unit shall install a fuel meter in order to record monthly fuel consumption.

Authority for Requirement: LCPH ATI 4484 / PTO 4502; LCPH ATI 4485 / PTO 4503
LCPH ATI 4486 / PTO 4504

Operating Condition Monitoring and Recordkeeping

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

- Total gallons of fuel combusted calculated monthly using a 12-month rolling total
- Type of fuel burned and sulfur concentration by weight

Authority for Requirement: LCPH ATI 4484 / PTO 4502; LCPH ATI 4485 / PTO 4503
LCPH ATI 4486 / PTO 4504

Quarterly Report Requirements

The following information shall be submitted to this department by the 30th of each month for the previous quarter (January 30, April 30, July 30 and October 30).

- Fuel usage records for the quarter based on a 12-month rolling total

Authority for Requirement: LCPH ATI 4484 / PTO 4502; LCPH ATI 4485 / PTO 4503
LCPH ATI 4486 / PTO 4504

Table 51 - Emission Point Characteristics

The emission point shall conform to the specifications listed below.

EP	Stack Height (feet, above ground)	Discharge Style	Stack Opening (inches, dia.)	Temp (°F)	Flowrate (acfm)	Authority for Requirement
137	20	V	14	871	6,149 (scfm)	LCPH ATI 4484 / PTO 4502
138	20	V	14	871	6,149 (scfm)	LCPH ATI 4485 / PTO 4503
139	20	V	14	871	6,149 (scfm)	LCPH ATI 4486 / PTO 4504

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.

Stack Testing

See Appendix E, Stack Testing Summary
Authority for Requirement – 567 IAC 22.108(3)

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

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

Compliance Assurance Monitoring (CAM) Plan Required? **Yes** ☐ **No** ☒
Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 140, 141

Table 52 - Associated Equipment

EP	EU	EU Description	Raw Material	Rated Capacity	CE ID	CE Description
140	140	Continuous Annealing and Pickling Line #1	Sulfuric Acid	3.2 GPH	140	Packed Bed Scrubber
141	141	Continuous Annealing and Pickling Line #2	Sulfuric Acid	7.4 GPH	141	Packed Bed Scrubber

Applicable Requirements

Table 53 - Emission Limits

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

EP	Pollutant	Emission Limit(s)	Authority for Requirement	Authority for Requirement
140 141	PM	0.1 gr/scf	LCO Sec. 10-62(a)(1) 567 IAC 23.3(2)"a"(2)	LCPH ATI 4015 / PTO 4070-R1 LCPH ATI 3504 / PTO 3974-R1
	PM_{10}	0.51 lb/hr		
	Opacity	20%	LCO Sec.10-60(a)	

Operational Limits & Requirements

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

Control Device

A packed bed scrubber shall be used to control sulfuric acid emissions. The control equipment shall be maintained properly and operated at all times the air pollution source is in operation. All appropriate probes, monitors and gauges needed to measure the parameters outlined in condition "Operating Condition Monitoring and Recordkeeping" shall be installed, maintained and operating during the operation of the emission unit and control device at all times.
Authority for Requirement: LCPH ATI 4015 / PTO 4070-R1; LCPH ATI 3504 / PTO 3974-R1

Operating Limits

A. The control equipment shall be operated and maintained in accordance with manufacturer's specifications and good operating practices.
B. The differential pressure across scrubber shall be maintained between 0.5" and 2.5" of water column.
C. The recirculation water flow rate in the scrubber shall be maintained at a minimum of 5 gpm.
D. The fresh water flow rate in the scrubber shall be maintained at a minimum of 15 gph.

Authority for Requirement: LCPH ATI 4015 / PTO 4070-R1; LCPH ATI 3504 / PTO 3974-R1

Operating Condition Monitoring and Recordkeeping

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

A. The owner or operator shall monitor and record 'no visible emissions' observations on a weekly basis. An exceedance of 'no visible emissions' will require the owner/operator to promptly investigate the emission unit, make corrections to operations or equipment associated with the exceedance, and record the findings and corrective action taken.
B. The owner or operator shall monitor and record the differential pressure across the control device on a weekly basis.
C. The owner or operator shall monitor and record the recirculation water flow rate on a weekly basis.
D. The owner or operator shall monitor and record the fresh water flow rate on a weekly basis.
E. The owner or operator shall maintain all records of maintenance and repair completed on the control device.

Authority for Requirement: LCPH ATI 4015 / PTO 4070-R1; LCPH ATI 3504 / PTO 3974-R1

Table 54 - Emission Point Characteristics

The emission point shall conform to the specifications listed below.

EP	Stack Height (feet, above ground)	Discharge Style	Stack Opening (inches, dia.)	Temp (°F)	Flowrate (acfm)	Authority for Requirement
140	49.15	V	51	68	3,000	LCPH ATI 4015 / PTO 4070-R1
141	49.4	V	51	68	3,000	LCPH ATI 3504 / PTO 3974-R1

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.

Opacity Monitoring
See Appendix D, Opacity Monitoring Summary.
Authority for Requirement: 567 IAC 22.108(14)

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

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

Compliance Assurance Monitoring (CAM) Plan Required? **Yes** ☐ **No** ☒
Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 142, 143

Table 55 - Associated Equipment

EP	EU	EU Description	Fuel	Rated Capacity	CE ID	CE Description
142 143	131	Emergency Generator, South	Natural Gas	0.00165 MMcf/hr	--	--

Applicable Requirements

Table 56 - Emission Limits

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

EP	Pollutant	Emission Limit(s)	Authority for Requirement	Authority for Requirement
142, 143	PM	0.6 lb/MMBtu	567 IAC 23.3(2)(b)"2" LCO Sec. 10-62(b)(1)	ATI 7109 / PTO 6839 ATI 7110 / PTO 6840
	Opacity	20%	LCO Sec.10-60(a)	
	SO_2	500 ppmv	567 IAC 23.3(3)"e" LCO Sec. 10-65(2)	

Operational Limits & Requirements

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

Federal Standards

A. National Emission Standards for Hazardous Air Pollutants (NESHAP):
The following subparts apply to the emission unit(s):

Table 57 - Applicable NESHAP Standards

EU ID	Subpart	Title	Type	Local Reference (LCO Sec.)	Federal Reference (40 CFR)
131	ZZZZ	National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines	Existing SI	10-62(d)(104)	§63.6580 – §63.6675

Authority for Requirement: LCPH ATI 7109 / PTO 6839; LCPH ATI 7110 / PTO 6840

Operating Requirements and Associated Recordkeeping

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

A. The owner or operator shall limit EU-131 to burning natural gas.
B. EU-131 shall operate no more than 100 hours per 12-month rolling period.
    i. The owner or operator shall maintain the following monthly records:
        1. The total number of hours the engine operated; and
        2. The rolling 12-month total of the number of hours that the engine operated.
C. The owner or operator shall comply with the emission limitations, operating limitations, and other requirements pursuant to 40 CFR §63.6603(a), Table 2d. Specifically:
    1. Change oil and filter every 500 hours of operation or annually, whichever comes first. Sources have the option to utilize an oil analysis program as described in §63.6625(i) or (j) in order to extend the specified oil change requirement.
    2. Inspect spark plugs every 1,000 hours of operation or annually, whichever comes first, and replace as necessary; and

3. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

D. The owner or operator shall comply with the applicable continuous compliance requirements pursuant to 40 CFR §63.6605 and §63.6640. Specifically:
   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.

E. The owner or operator shall comply with the monitoring, installation, collection, operation and maintenance requirements pursuant to 40 CFR §63.6625(e), (f), (h) and (j). Specifically:
   1. 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 the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.
   2. Install a non-resettable hour meter if one is not already installed.
   3. Minimize the engine's time spent at idle during startup and minimizing the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes.

F. The owner or operator shall comply with the recordkeeping requirements pursuant to 40 CFR §63.6655. Specifically:
   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.

G. The owner or operator shall comply with the applicable reporting requirements pursuant to 40 CFR §63.6650.

H. The owner or operator shall comply with the applicable General Provisions pursuant to 40 CFR §63.6665 and Table 8.

Authority for Requirement: LCPH ATI 7109 / PTO 6839; LCPH ATI 7110 / PTO 6840

Table 58 - Emission Point Characteristics

The emission point shall conform to the specifications listed below.

EP	Stack Height (feet, above ground)	Discharge Style	Stack Opening (inches, dia.)	Temp (°F)	Flowrate (acfm)	Authority for Requirement
142	6.5	V	4	314	1,140	LCPH ATI 7109 / PTO 6839
143	6.5	V	4	314	1,140	LCPH ATI 7110 / PTO 6840

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 22.108(3)

Emission Point ID Number: 145

Table 59 - Associated Equipment

EP	EU	EU Description	Raw Material	Rated Capacity	CE ID	CE Description
145	145	Four Stand Tandem Mill	Copper & Brass Alloys	18.47 TPH	145	Mist Collector – Cartridge Filter

Applicable Requirements

Table 60 - Emission Limits

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

EP	Pollutant	Emission Limit(s)	Authority for Requirement	Authority for Requirement
145	PM	0.1 gr/scf	LCO Sec. 10-62(a)(1) 567 IAC 23.3(2)"a"(2)	LCPH ATI 3765 / PTO 4076-R1
	PM/PM_{10}	0.24 lb/hr		
	Opacity	NVE		

Operational Limits & Requirements

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

Control Device

A mist collector - cartridge filter shall be installed to control particulate matter emissions. The control equipment shall be maintained properly and operated at all times the air pollution source is in operation. All appropriate probes, monitors and gauges needed to measure the parameters outlined in "Operating Condition Monitoring and Recordkeeping" shall be installed, maintained and operating during the operation of the emission unit and control device at all times.
Authority for Requirement: LCPH ATI 3765 / PTO 4076-R1

Operating Limits

A. The differential pressure across the control device shall not exceed 7.8" of w.c.
Authority for Requirement: LCPH ATI 3765 / PTO 4076-R1

Operating Condition Monitoring and Recordkeeping

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

1. Monitor and record the differential pressure across the control device on a weekly basis.
2. Maintain a record of all maintenance performed on the control device.

Authority for Requirement: LCPH ATI 3765 / PTO 4076-R1

Table 61 - Emission Point Characteristics

The emission point shall conform to the specifications listed below.

EP	Stack Height (feet, above ground)	Discharge Style	Stack Opening (inches, dia.)	Temp (°F)	Flowrate (acfm)	Authority for Requirement
145	32.1	V	46	89	52,374	LCPH ATI 3765 / PTO 4076-R1

Note: Emission point exhausts indoors

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 22.108(3)

Emission Point ID Number: 146

Table 62 - Associated Equipment

EP	EU	EU Description	Raw Material	Rated Capacity	CE ID	CE Description
146	146	Degreasing Pickle Line	Sulfuric Acid	8.7 GPH	146	Packed Bed Scrubber

Applicable Requirements

Table 63 - Emission Limits

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

EP	Pollutant	Emission Limit(s)	Authority for Requirement	Authority for Requirement
146	PM	0.1 gr/scf	LCO Sec. 10-62(a)(1) 567 IAC 23.3(2)"a"(2)	LCPH ATI 3829 / PTO 4072-R1
	PM_{10}	0.65 lb/hr		
	Opacity	20%	LCO Sec.10-60(a)	

Operational Limits & Requirements

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

Control Device

A packed bed scrubber shall be used to control sulfuric acid emissions. The control equipment shall be maintained properly and operated at all times the air pollution source is in operation. All appropriate probes, monitors and gauges needed to measure the parameters outlined in condition 16 shall be installed, maintained and operating during the operation of the emission unit and control device at all times.
Authority for Requirement: LCPH ATI 3829 / PTO 4072-R1

Operating Limits

A. The control equipment shall be operated and maintained in accordance with manufacturer's specifications and good operating practices.
B. The differential pressure across scrubber shall be maintained between 0.5" and 2.5" of water column.
C. The recirculation water flow rate in the scrubber shall be maintained at a minimum of 50 gpm.
D. The fresh water flow rate in the scrubber shall be maintained at a minimum of 1 gpm.

Authority for Requirement: LCPH ATI 3829 / PTO 4072-R1

Operating Condition Monitoring and Recordkeeping

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

A. The owner or operator shall monitor and record 'no visible emissions' observations on a weekly basis. An exceedance of 'no visible emissions' will require the owner/operator to promptly investigate the emission unit, make corrections to operations or equipment associated with the exceedance, and record the findings and corrective action taken.
B. The owner or operator shall monitor and record the differential pressure across the control device on a weekly basis.
C. The owner or operator shall monitor and record the recirculation water flow rate on a weekly basis.
D. The owner or operator shall monitor and record the fresh water flow rate on a weekly basis.
E. The owner or operator shall maintain all records of maintenance and repair completed on the control device.

Authority for Requirement: LCPH ATI 3829 / PTO 4072-R1

Table 64 - Emission Point Characteristics

The emission point shall conform to the specifications listed below.

EP	Stack Height (feet, above ground)	Discharge Style	Stack Opening (inches, dia.)	Temp (°F)	Flowrate (acfm)	Authority for Requirement
146	59.6	V	20	68	10,000	LCPH ATI 3829 / PTO 4072-R1

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.

Opacity Monitoring
See Appendix D, Opacity Monitoring Summary.
Authority for Requirement: 567 IAC 22.108(14)

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

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

Compliance Assurance Monitoring (CAM) Plan Required? **Yes** ☐ **No** ☒
Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 149

Table 65 - Associated Equipment

EP	EU	EU Description	Raw Material	Rated Capacity	CE ID	CE Description
149	149	Bonding Mill – Dry Brushing	Copper &Brass Alloys	23 TPH	149	Baghouse

Applicable Requirements

Table 66 - Emission Limits

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

EP	Pollutant	Emission Limit(s)	Authority for Requirement	Authority for Requirement
149	PM	0.1 gr/scf	LCO Sec. 10-62(a)(1) 567 IAC 23.3(2)"a"(2)	LCPH ATI 4256 / PTO 4440-R1
	PM/PM_{10}	0.13 lb/hr		
	Opacity	20%	LCO Sec.10-60(a)	

Operational Limits & Requirements

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

Operating Requirements with Associated Monitoring and Recordkeeping

All records as required by this permit shall be available on-site for a minimum of five years and shall be available for inspection by the Department. Records shall be legible and maintained in an orderly manner. The operating requirements and associated recordkeeping for this permit shall be:

A. The owner or operator shall monitor and record 'no visible emissions' observations on a weekly basis. An exceedance of 'no visible emissions' will require the owner/operator to promptly investigate the emission unit, make corrections to operations or equipment associated with the exceedance, and record the corrective action taken.
B. The control equipment hall be maintained and operated according to the manufacturer's specifications and good operating practices. The owner or operator shall record the date and description of all maintenance and repair completed on the control equipment.
C. The normal differential pressure across the control equipment shall be maintained between 0.5 and 8 inches of water column. The owner or operator shall monitor and record the differential pressure across the control equipment on a weekly basis.
D. The maximum Nickel (Ni) content of each alloy produced at the facility (EU1A, EU1B, EU601-604, EU606-608, EU611, EU614, EU615, EU120, EU149, and EU158) shall not exceed 33wt%. The owner or operator shall maintain monthly records indicating the Ni content, recorded in percent by weight, for each alloy produced.
E. The maximum Manganese (Mn) content of each alloy produced at the facility (EU1A, EU1B, EU601-604, EU606-608, EU611, EU614, EU615, EU120, EU149, and EU158) shall not exceed 10wt%. The owner or operator shall maintain monthly records indicating the Mn content, recorded in percent by weight, for each alloy produced.

Authority for Requirement: LCPH ATI 4256 / PTO 4440-R1

Table 67 - Emission Point Characteristics

The emission point shall conform to the specifications listed below.

EP	Stack Height (feet, above ground)	Discharge Style	Stack Opening (inches, dia.)	Temp (°F)	Flowrate (acfm)	Authority for Requirement
149	26	V	38	Ambient	19,382	LCPH ATI 4256 / PTO 4440-R1

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.

Opacity Monitoring
See Appendix D, Opacity Monitoring Summary.
Authority for Requirement: 567 IAC 22.108(14)

Agency Approved Operation & Maintenance Plan Required? **Yes** ☐ **No** ☒
Facility Maintained Operation & Maintenance Plan Required? **Yes** ☐ **No** ☒
Compliance Assurance Monitoring (CAM) Plan Required? **Yes** ☐ **No** ☒
Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 150

Table 68 - Associated Equipment

EP	EU	EU Description	Raw Material	Rated Capacity	CE ID	CE Description
150	150	Bonding Mill – Vanishing Lubricant	Copper Alloy	23 TPH	150	Two Stage Mist Collector

Applicable Requirements

Table 69 - Emission Limits

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

EP	Pollutant	Emission Limit(s)	Authority for Requirement	Authority for Requirement
150	PM	0.1 gr/scf	LCO Sec. 10-62(a)(1) 567 IAC 23.3(2)"a"(2)	LCPH ATI 7367 / PTO 7028
	PM/PM_{10}	1 lb/hr		
	Opacity	20%	LCO Sec.10-60(a)	
	VOC	39.4 tpy		

Operational Limits & Requirements

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

Operating Requirements with Associated Monitoring and Recordkeeping

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

A. The owner or operator shall monitor and record 'no visible emissions' observations on a weekly basis. An exceedance of 'no visible emissions' will require the owner/operator to promptly investigate the emission unit, make corrections to operations or equipment associated with the exceedance, and record the corrective action taken.
B. The control equipment shall be maintained according to the manufacturer's specifications and good operating practices. The owner or operator shall record the date and description of all maintenance completed on the control equipment.
C. The normal differential pressure across the control equipment shall be maintained between 0.2 and 8.0 inches of water column. The owner or operator shall monitor and record the differential pressure across the control equipment on a weekly basis.
D. The owner or operator shall maintain a copy of Safety Data Sheets (SDS) for the vanishing lubricant used in the bonding mill (EU150).
E. The owner or operator shall use the following data in Condition F (unless a more current lab analyses have occurred, in which event that data shall be used):
    i. Density of vanishing lubricant is 6.55 lb/gallon;
    ii. Virgin wt. fraction VOC is 0.832;
    iii. Virgin wt. fraction water is 0.001;
    iv. Spent wt. fraction VOC is 0.488;
    v. Spent wt. fraction water is 0.001.

F. The owner or operator shall use the following equations to calculate the monthly and 12-month rolling total emissions to demonstrate compliance with the 39.4 tpy VOC limit established in Condition 1.

1. $gallons\ added * density\ \left(\frac{lb}{gal}\right) * (virgin\ wt.fraction\ VOC - virgin\ wt.fraction\ H2O) = lb\ VOC\ added$

2. $gallons\ collected * density\ \left(\frac{lb}{gal}\right) * (spent\ wt.fraction\ VOC\ avg - spent\ wt.fraction\ H2O\ avg) = lb\ VOC\ collected$

3. $lb\ VOC\ added - lb\ VOC\ collected = lb\ VOC\ emitted$

4. $\frac{lb\ VOC\ emitted}{2000} = ton\ VOC\ emitted$

Authority for Requirement: LCPH ATI 7367 / PTO 7028

Table 70 - Emission Point Characteristics

The emission point shall conform to the specifications listed below.

EP	Stack Height (feet, above ground)	Discharge Style	Stack Opening (inches, dia.)	Temp (°F)	Flowrate (acfm)	Authority for Requirement
150	19	H	36	100	20,729	LCPH ATI 7367 / PTO 7028

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.

Opacity Monitoring
See Appendix D, Opacity Monitoring Summary.
Authority for Requirement: 567 IAC 22.108(14)

Stack Testing
See Appendix E, Stack Testing Summary
Authority for Requirement – 567 IAC 22.108(3)

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

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

Compliance Assurance Monitoring (CAM) Plan Required? **Yes** ☐ **No** ☒
Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 151

Table 71 - Associated Equipment

EP	EU	EU Description	Raw Material	Rated Capacity	CE ID	CE Description
151	151	Cast Shop Vacuum System	Floor Sweepings	1 lb/hr	151A	Cyclone
					151B	Baghouse

Applicable Requirements

Table 72 - Emission Limits

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

EP	Pollutant	Emission Limit(s)	Authority for Requirement	Authority for Requirement
151	PM	0.1 gr/scf	LCO Sec. 10-62(a)(1) 567 IAC 23.3(2)"a"(2)	LCPH ATI 4254 / PTO 4441-R1
	PM/PM_{10}	0.08 lb/hr		
	Opacity	20%	LCO Sec.10-60(a)	

Operational Limits & Requirements

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

Control Device

A cyclone and baghouse shall be installed to control particulate matter emissions. The control equipment shall be maintained properly and operated at all times the air pollution source is in operation. All appropriate probes, monitors and gauges needed to measure the parameters outlined in "Operating Condition Monitoring and Recodkeeping" shall be installed, maintained and operating during the operation of the emission unit and control device at all times.
Authority for Requirement: LCPH ATI 4254 / PTO 4441-R1

Operating Limits

A. The differential pressure across the control device shall be maintained between 1.5-4.5 inches of water.
B. The control equipment on this unit shall be maintained and operated according to the manufacturer's specifications and good operating practices.

Authority for Requirement: LCPH ATI 4254 / PTO 4441-R1

Operating Condition Monitoring and Recordkeeping

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

1) Monitor and record the differential pressure across the control device on a monthly basis.
2) Maintain a record of all maintenance performed on the control device.

Authority for Requirement: LCPH ATI 4254 / PTO 4441-R1

Table 73 - Emission Point Characteristics

The emission point shall conform to the specifications listed below.

EP	Stack Height (feet, above ground)	Discharge Style	Stack Opening (inches, dia.)	Temp (°F)	Flowrate (acfm)	Authority for Requirement
151	20	V	8	70	900	LCPH ATI 4254 / PTO 4441-R1

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 22.108(3)

Emission Point ID Number: 157

Table 74 - Associated Equipment

EP	EU	EU Description	Raw Material	Rated Capacity	CE ID	CE Description
157	157	Parts Washer	Solvent Cleaner	0.126 GPH	--	--

Applicable Requirements

Operational Limits & Requirements

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

Operating Condition Monitoring and Recordkeeping

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

1) Maintain all Material Safety Data Sheets for all solvents used in this device.
2) Record all purchases of solvent used.

Authority for Requirement: LCPH ATI 4668 / PTO 4714

Table 75 - Emission Point Characteristics

The emission point shall conform to the specifications listed below.

EP	Stack Height (feet, above ground)	Discharge Style	Stack Opening (inches, dia.)	Temp (°F)	Flowrate (acfm)	Authority for Requirement
157	10	H	18.5 x 18.5	70	1,904	LCPH ATI 4668 / PTO 4714

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 22.108(3)

Emission Point ID Number: 158

Table 76 - Associated Equipment

EP	EU	EU Description	Raw Material	Rated Capacity	CE ID	CE Description
158	158	Milling Machine Brush Box	Copper & Brass Alloys	26.71 TPH	158	Baghouse

Applicable Requirements

Table 77 - Emission Limits

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

EP	Pollutant	Emission Limit(s)	Authority for Requirement	Authority for Requirement
158	PM	0.1 gr/scf	LCO Sec. 10-62(a)(1) 567 IAC 23.3(2)"a"(2)	LCPH ATI 4737 / PTO 4940
	PM/PM_{10}	0.73 lb/hr		
	PM_{10}	0.005 gr/dscf		
	Opacity	20%	LCO Sec.10-60(a)	

Operational Limits & Requirements

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

Control Device

A baghouse shall be used to control particulate matter emissions. The control equipment shall be maintained properly and operated at all times the air pollution source is in operation. All appropriate probes, monitors and gauges needed to measure the parameters outlined in "Operating Condition Monitoring and Recordkeeping" shall be installed, maintained and operating during the operation of the emission unit and control device at all times.
Authority for Requirement: LCPH ATI 4737 / PTO 4940

Operating Limits

- The owner or operator shall maintain the control device per the manufacturer's recommendations.

Authority for Requirement: LCPH ATI 4737 / PTO 4940

Operating Condition Monitoring and Recordkeeping

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

1) Maintain all maintenance records performed on the baghouse.
2) Maintain Material Safety Data Sheets (MSDS) of all metal alloys processed through this emission unit.

Authority for Requirement: LCPH ATI 4737 / PTO 4940

Table 78 - Emission Point Characteristics

The emission point shall conform to the specifications listed below.

EP	Stack Height (feet, above ground)	Discharge Style	Stack Opening (inches, dia.)	Temp (°F)	Flowrate (acfm)	Authority for Requirement
158	20	V	27	70	17,000	LCPH ATI 4737 / PTO 4940

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** ☐
See Appendix B, CAM Plans Summary.

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 159

Table 79 - Associated Equipment

EP	EU	EU Description	Raw Material	Rated Capacity	CE ID	CE Description
159	133A	Tin Dip-Acid Flux Drying	Tin	10.91 TPH	159	Cartridge Filter

Applicable Requirements

Table 80 - Emission Limits

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

EP	Pollutant	Emission Limit(s)	Authority for Requirement	Authority for Requirement
159	PM	0.1 gr/scf	LCO Sec. 10-62(a)(1) 567 IAC 23.3(2)"a"(2)	LCPH ATI 7703 / PTO 7473
	PM/PM_{10}	0.93 lb/hr		
	Opacity	20%	LCO Sec.10-60(a)	

Operational Limits & Requirements

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

Operating Requirements and Associated Recordkeeping

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

A. The owner or operator shall monitor and record 'no visible emissions' observations on a weekly basis. An exceedance of 'no visible emissions' will require the owner/operator to promptly investigate the emission unit, make corrections to operations or equipment associated with the exceedance, and record the corrective action taken.
B. The control equipment shall be maintained according to the manufacturer's specifications and good operating practices. The owner or operator shall record the date and description of all maintenance completed on the control equipment.
C. The normal differential pressure across the control equipment shall be maintained between 0.2 and 8.0 inches of water column. The owner or operator shall monitor and record the differential pressure across the control equipment on a weekly basis.

Authority for Requirement: LCPH ATI 7703 / PTO 7473

Table 81 - Emission Point Characteristics

The emission point shall conform to the specifications listed below.

EP	Stack Height (feet, above ground)	Discharge Style	Stack Opening (inches, dia.)	Temp (°F)	Flowrate (acfm)	Authority for Requirement
159	52.4	V	12	200	4,000	LCPH ATI 7703 / PTO 7473

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.

Opacity Monitoring
See Appendix D, Opacity Monitoring Summary.
Authority for Requirement: 567 IAC 22.108(14)

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

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

Compliance Assurance Monitoring (CAM) Plan Required? **Yes** ☐ **No** ☒
Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 160

Table 82 - Associated Equipment

EP	EU	EU Description	Raw Material / Fuel	Rated Capacity	CE ID	CE Description
160	160A	Ammunition Cupping Acid Pickling	Copper & Brass Alloy Cups	0.6 TPH	160	Packed Bed Scrubber
	160B	Ammunition Cupping Pre-Annealing Dryer	Natural Gas	0.2 MMBtu/hr		
	160C	Ammunition Cupping Final Dryer	Natural Gas	0.2 MMBtu/hr		

Applicable Requirements

Table 83 - Emission Limits

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

EP	Pollutant	Emission Limit(s)	Authority for Requirement	Authority for Requirement
160	PM	0.1 gr/scf	LCO Sec. 10-62(a)(1) 567 IAC 23.3(2)"a"(2)	LCPH ATI 6056 / PTO 5976
	PM_{10}	0.39 lb/hr		
	Opacity	20%	LCO Sec.10-60(a)	
	SO_2	500 ppmv	567 IAC 23.3(3)"e" LCO Sec. 10-65(2)	

Operational Limits & Requirements

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

Control Device

A packed bed scrubber shall be installed to control particulate matter emissions. The control equipment shall be maintained properly and operated at all times the air pollution source is in operation. All appropriate probes, monitors and gauges needed to measure the parameters outlined in "Operating Condition Monitoring and Recordkeeping" shall be installed, maintained and operating during the operation of the emission unit and control device at all times.
Authority for Requirement: LCPH ATI 6056 / PTO 5976

Operating Limits

A. The control equipment shall be operated and maintained in accordance with manufacturer's specifications and good operating practices.
B. The differential pressure across the scrubber shall be maintained between 0.5" and 2.5" of water column.
C. The recirculation water flow rate in the scrubber shall be maintained at a minimum of 40 gpm.
D. The fresh water flow rate in the scrubber shall be maintained at a minimum of 4 gpm.
E. Authority for Requirement: LCPH ATI 6056 / PTO 5976

Operating Condition Monitoring and Recordkeeping

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

1. The owner or operator shall monitor and record 'no visible emissions' observations on a weekly basis. An exceedance of 'no visible emissions' will require the owner/operator to promptly investigate the emission unit, make corrections to operations or equipment associated with the exceedance, and record the corrective action taken.
2. The owner or operator shall monitor and record the differential pressure across the control device on a weekly basis.
3. The owner or operator shall monitor and record the recirculation water flow rate on a weekly basis.
4. The owner or operator shall monitor and record the fresh water flow rate on a weekly basis.
5. The owner or operator shall maintain all records of maintenance and repair completed on the control device.

Authority for Requirement: LCPH ATI 6056 / PTO 5976

Table 84 - Emission Point Characteristics

The emission point shall conform to the specifications listed below.

EP	Stack Height (feet, above ground)	Discharge Style	Stack Opening (inches, dia.)	Temp (°F)	Flowrate (acfm)	Authority for Requirement
160	50	V	24	Ambient	10,000	LCPH ATI 6056 / PTO 5976

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.

Opacity Monitoring

See Appendix D, Opacity Monitoring Summary.
Authority for Requirement: 567 IAC 22.108(14)

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

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

Compliance Assurance Monitoring (CAM) Plan Required? **Yes** ☐ **No** ☒
Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 161

Table 85 - Associated Equipment

EP	EU	EU Description	Raw Material	Rated Capacity	CE ID	CE Description
161	161	Gasoline Dispensing Tank	Gasoline	250 gallons	--	--

Applicable Requirements

Operational Limits & Requirements

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

Federal Standards

A. National Emission Standards for Hazardous Air Pollutants (NESHAP):
The following subparts apply to the emission unit(s) in this permit:

Table 86 - Applicable NESHAP Standards

EU ID	Subpart	Title	Type	Local Reference (LCO Sec.)	Federal Reference (40 CFR)
161	A	General Conditions	NA	10-62(d)(1)	§63.1 – §63.16
	CCCCCC	NESHAP for Source Category: Gasoline Dispensing Facilities	NA	10-62(d)(133)	§63.111110 – §63.11132

Authority for Requirement: LCO Sec. 10-62(d)(1); LCO Sec. 10-62(d)(133)

Monitoring Requirements

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

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

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

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

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 162

Table 87 - Associated Equipment

EP	EU	EU Description	Fuel	Rated Capacity	CE ID	CE Description
162	162	Emergency Generator, North	Natural Gas	0.00178 MMcf/hr 201 BHP	--	--

Applicable Requirements

Table 88 - Emission Limits

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

EP	Pollutant	Emission Limit(s)	Authority for Requirement
162	PM	0.6 lb/MMBtu	567 IAC 23.3(2)(b)"2" LCO Sec. 10-62(b)(1)
	Opacity	20%	LCO Sec.10-60(a)
	SO_2	500 ppmv	567 IAC 23.3(3)"e" LCO Sec. 10-65(2)

Table 89 - NSPS Emission Limits

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

EP	Pollutant	Emission Limit(s)	Authority for Requirement	Authority for Requirement
162	NO_x	2.0 g/hp-hr 160 ppmvd[1]	40 CFR §60.4233(e)	LCPH SI-242
	CO	4.0 g/hp-hr 540 ppmvd[1]	40 CFR §60.4233(e)	
	VOC[2]	1.0 g/hp-hr 86 ppmvd[1]	40 CFR §60.4233(e)	

[1] Parts per million, by dry volume basis 15 15% O_2
[2] When calculating emissions of VOC, emissions of formaldehyde emissions are not included.

Operational Limits & Requirements

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

Federal Standards

A. New Source Performance Standards (NSPS):
The following subparts apply to the emission unit(s) in this permit:

Table 90 - Applicable NSPS Standards

EU ID	Subpart	Title	Type	Local Reference (LCCO Sec.)	Federal Reference (40 CFR)
162	A	General Conditions	NA	10-62(b)	§60.1 – §60.19
	JJJJ	Stationary Spark Ignition Internal Combustion Engines	< 400 bhp	10-62(b)(78)	§60.4230 – §60.4242

Pursuant to 40 CFR §60.4230, the requirements of NSPS Subpart JJJJ are applicable to manufacturers, owners, and operators of stationary SI engines. For the purposes of this registration, applicability has been limited to owners and operators of stationary SI engines.

B. National Emission Standards for Hazardous Air Pollutants (NESHAP):
The following subparts apply to the emission unit(s):

Table 91 - Applicable NESHAP Standards

EU ID	Subpart	Title	Type	Local Reference (LCO Sec.)	Federal Reference (40 CFR)
162	ZZZZ	Stationary Reciprocating Internal Combustion Engines	<400 bhp	10-62(d)(104)	§63.6580 – §63.6675

Authority for Requirement: LCPH SI-242

A stationary CI engine that subject to NSPS Subpart JJJJ shall comply with the requirements of NESHAP Subpart ZZZZ by complying with the requirements of NSPS Subpart JJJJ.

Operating Requirements with Associated Monitoring and Recordkeeping

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

General Requirements

A. Pursuant to 40 CFR §60.4233, stationary spark ignition (SI) engines are required to meet the emission standards. The engine must be installed and configured according to the manufacturer's specifications and must be operated and maintained to meet the applicable emission standards over the life of the engine.
B. Owners and operators must keep documentation that the SI engine meets the emission standards of NSPS Subpart JJJJ. For owners and operators of certified engines, compliance with Condition "Operating Requirements with Associated Monitoring and Recordkeeping" F satisfies this requirement.

Certification Requirements

C. The following groups of SI engines must be certified by the manufacturer to comply with the emission standards in NSPS Subpart JJJJ:
    1. SI engines with a maximum engine power less than 25 bhp;
    2. SI engines that use gasoline and have a maximum engine power greater than 25 bhp; and
    3. SI engines that use LPG, are rich burn engines, and have a maximum engine power greater than 25 bhp.
D. Other groups of engines may be certified by the manufacturer to comply with the emission standards in NSPS Subpart JJJJ.
E. Owners and operators of SI engines that are required to be certified and who operate and maintain the engine according to the manufacturer's written instructions must keep records of maintenance performed.
F. Owners and operators of a certified SI engine must maintain a record from the manufacturer that the engine meets the emission standards.
G. SI engines that are required to be certified but are not operated and maintained according to the manufacturer's written instructions are considered to be non-certified engines. Owners and operators of such non-certified engines must:
    1. Keep a maintenance plan and records of conducted maintenance;
    2. Must maintain and operate the engine in a manner consistent with good air pollution control practice to minimize emissions; and
    3. For SI engines ≥ 100 bhp, complete an initial performance test within 1 year of startup.

Testing Requirements

H. Performance testing required by Condition "Operating Requirements with Associated Monitoring and Recordkeeping" G must be done in accordance with 40 CFR §60.4244. Owners and operators are required to notify the Linn County Public Health Air Quality Branch thirty (30) days prior to the test date and are required to submit a stack test report to the Linn County Public Health Air Quality Branch within six (6) weeks after the test has been conducted.

Emergency Engine Requirements

I. Owners and operators of an emergency SI engine that is 130 bhp or greater and was built on or after January 1, 2011, and that does not meet the applicable standards for a non-emergency engine must install a non-resettable hour meter.
J. The SI engine may be operated for the purpose of maintenance checks and readiness testing for a maximum of 100 hours per year. There is no time limit on use for emergency situations.
K. The engine may be operated for up to 50 hours per year for non-emergency purposes. This operating time cannot be used 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.
L. Owners and operators of an emergency engine must keep records of all operation of the engine. The owner must record the date and time of operation of the engine and the reason the engine was in operation.
M. Owners and operators of natural gas SI engines may use propane as an alternative fuel for up to 100 hours per year during emergency operations.

Authority for Requirement: LCPH SI-242

Monitoring Requirements

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

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

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

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

Authority for Requirement: 567 IAC 22.108(3)

IV. General Conditions

This permit is issued under the authority of the Iowa Code subsection 455B.133(8) and in accordance with 567 Iowa Administrative Code chapter 22 and Linn County Code of Ordinance (LCO) Chapter 10 – Environment, Article III, Sec. 10-57.

G1. Duty to Comply

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

G2. Permit Expiration

1. Except as provided in rule 567—22.104(455B), permit expiration terminates a source's right to operate unless a timely and complete application for renewal has been submitted in accordance with rule 567—22.105(455B). *567 IAC 22.116(2)*
2. To be considered timely, the owner, operator, or designated representative (where applicable) of each source required to obtain a Title V permit shall submit on forms or electronic format specified by the Department to the Air Quality Bureau, Iowa Department of Natural Resources, Air Quality Bureau, Wallace State Office Building, 502 E 9th St., Des Moines, IA 50319-0034, two copies (three if your facility is located in Linn or Polk county) of a complete permit application, at least 6 months but not more than 18 months prior to the date of permit expiration. An additional copy must also be sent to U.S. EPA Region VII, Attention: Chief of Air Permitting & Standards Branch, 11201 Renner Blvd., Lenexa, KS 66219. Additional copies to local programs or EPA are not required for application materials submitted through the electronic format specified by the Department. The application must include all emission points, emission units, air pollution control equipment, and monitoring devices at the facility. All emissions generating activities, including fugitive emissions, must be included. The definition of a complete application is as indicated in 567 IAC 22.105(2). *567 IAC 22.105*

G3. Certification Requirement for Title V Related Documents

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

G4. Annual Compliance Certification

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

G5. Semi-Annual Monitoring Report
By March 31 and September 30 of each year, the permittee shall submit a report of any monitoring required under this permit for the 6 month periods of July 1 to December 31 and January 1 to June 30, respectively. All instances of deviations from permit requirements must be clearly identified in these reports, and the report must be signed by a responsible official, consistent with 567 IAC 22.107(4). The semi-annual monitoring report shall be submitted to the director and Linn County Public Health Air Quality Division. *567 IAC 22.108 (5)*

G6. Annual Fee
- The permittee is required under subrule 567 IAC 22.106 to pay an annual fee based on the total tons of actual emissions of each regulated air pollutant. Beginning July 1, 1996, Title V operating permit fees will be paid on July 1 of each year. The fee shall be based on emissions for the previous calendar year.
- 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.
- The emissions inventory shall be submitted annually by March 31 with forms specified by the department documenting actual emissions for the previous calendar year.
- The fee shall be submitted annually by July 1 with forms specified by the department.
- 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.
- Phase I acid rain affected units under section 404 of the Act shall not be required to pay a fee for emissions which occur during the years 1993 through 1999 inclusive.
- 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.
- Failure to pay the appropriate Title V fee represents cause for revocation of the Title V permit as indicated in 567 IAC 22.115(1)"d".

G7. Inspection of Premises, Records, Equipment, Methods and Discharges
Upon presentation of proper credentials and any other documents as may be required by law, the permittee shall allow the director or the director's authorized representative to:
1. Enter upon the permittee's premises where a Title V source is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit;
2. Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;
3. Inspect, at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit; and
4. Sample or monitor, at reasonable times, substances or parameters for the purpose of ensuring compliance with the permit or other applicable requirements. *567 IAC 22.108 (15)"b" and LCO Sec. 10-75*

G8. Duty to Provide Information
The permittee shall furnish to the director, within a reasonable time, any information that the director may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee also shall furnish to the director copies of records required to be kept by the permit, or for information claimed to be confidential, the permittee shall furnish such records directly to the administrator of EPA along with a claim of confidentiality. *567 IAC 22.108 (9)"e" and LCO Sec. 10-71 and 10-72*

G9. General Maintenance and Repair Duties
The owner or operator of any air emission source or control equipment shall:
1. Maintain and operate the equipment or control equipment at all times in a manner consistent with good practice for minimizing emissions.
2. Remedy any cause of excess emissions in an expeditious manner.
3. Minimize the amount and duration of any excess emission to the maximum extent possible during periods of such emissions. These measures may include but not be limited to the use of clean fuels, production cutbacks, or the use of alternate process units or, in the case of utilities, purchase of electrical power until repairs are completed.
4. Schedule, at a minimum, routine maintenance of equipment or control equipment during periods of process shutdowns to the maximum extent possible. *567 IAC 24.2(1) and LCO Sec. 10-67(b)*

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;
f. The operating conditions as existing at the time of sampling or measurement; and
g. The records of quality assurance for continuous compliance monitoring systems (including but not limited to quality control activities, audits and calibration drifts).

2. The permittee shall retain records of all required compliance monitoring data and support information for a period of at least 5 years from the date of compliance monitoring sample, measurement report or application. Support information includes all calibration and maintenance records and all original strip chart recordings for continuous compliance monitoring, and copies of all reports required by the permit.
3. For any source which in its application identified reasonably anticipated alternative operating scenarios, the permittee shall:
    a. Comply with all terms and conditions of this permit specific to each alternative scenario.
    b. Maintain a log at the permitted facility of the scenario under which it is operating.
    c. Consider the permit shield, if provided in this permit, to extend to all terms and conditions under each operating scenario. *567 IAC 22.108(4), 567 IAC 22.108(12)*

G11. Evidence used in establishing that a violation has or is occurring.
Notwithstanding any other provisions of these rules, any credible evidence may be used for the purpose of establishing whether a person has violated or is in violation of any provisions herein.

1. Information from the use of the following methods is presumptively credible evidence of whether a violation has occurred at a source:
    a. A monitoring method approved for the source and incorporated in an operating permit pursuant to 567 Chapter 22;
    b. Compliance test methods specified in 567 Chapter 25; or
    c. Testing or monitoring methods approved for the source in a construction permit issued pursuant to 567 Chapter 22.
2. The following testing, monitoring or information gathering methods are presumptively credible testing, monitoring, or information gathering methods:
    a. Any monitoring or testing methods provided in these rules; or
    b. Other testing, monitoring, or information gathering methods that produce information comparable to that produced by any method in subrule 21.5(1) or this subrule. *567 IAC 21.5(1)-567 IAC 21.5(2) and LCO Sec. 10-69(1)*

G12. Prevention of Accidental Release: Risk Management Plan Notification and Compliance Certification
If the permittee is required to develop and register a risk management plan pursuant to section 112(r) of the Act, the permittee shall notify the department of this requirement. The plan shall be filed with all appropriate authorities by the deadline specified by EPA. A certification that this risk management plan is being properly implemented shall be included in the annual compliance certification of this permit. *567 IAC 22.108(6)*

G13. Hazardous Release
The permittee must report any situation involving the actual, imminent, or probable release of a hazardous substance into the atmosphere which, because of the quantity, strength and toxicity of the substance, creates an immediate or potential danger to the public health, safety or to the environment. A verbal report shall be made to the department at (515) 725-8694 and to the local police department or the office of the sheriff of the affected county as soon as possible but not later than six hours after the discovery or onset of the condition. This verbal report must be followed up with a written report as indicated in 567 IAC 131.2(2). *567 IAC Chapter 131-State Only*

G14. Excess Emissions and Excess Emissions Reporting Requirements

- 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.

- Excess Emissions Reporting
  - Initial Reporting of Excess Emissions. An incident of excess emission (other than an incident of excess emission during a period of startup, shutdown, or cleaning) shall be reported to the appropriate field office of the department within eight hours of, or at the start of the first working day following the onset of the incident. The reporting exemption for an incident of excess emission during startup, shutdown or cleaning does not relieve the owner or operator of a source with continuous monitoring equipment of the obligation of submitting reports required in 567-subrule 25.1(6). An initial report of excess emission is not required for a source with operational continuous monitoring equipment (as specified in 567-subrule 25.1(1)) if the incident of excess emission continues for less than 30 minutes and does not exceed the applicable emission standard by more than 10 percent or the applicable visible emission standard by more than 10 percent opacity. The initial report may be made by electronic mail (E-mail), in person, or by telephone and shall include as a minimum the following:
    i. The identity of the equipment or source operation from which the excess emission originated and the associated stack or emission point.
    ii. The estimated quantity of the excess emission.
    iii. The time and expected duration of the excess emission.
    iv. The cause of the excess emission.
    v. The steps being taken to remedy the excess emission.
    vi. The steps being taken to limit the excess emission in the interim period.

  c. Written Reporting of Excess Emissions. A written report of an incident of excess emission shall be submitted as a follow-up to all required initial reports to the department within seven days of the onset of the upset condition, and shall include as a minimum the following:
    i. The identity of the equipment or source operation point from which the excess emission originated and the associated stack or emission point.
    ii. The estimated quantity of the excess emission.
    iii. The time and duration of the excess emission.
    iv. The cause of the excess emission.
    v. The steps that were taken to remedy and to prevent the recurrence of the incident of excess emission.
    vi. The steps that were taken to limit the excess emission.
    vii. If the owner claims that the excess emission was due to malfunction, documentation to support this claim. *567 IAC 24.1(1)-567 IAC 24.1(4) and LCO Sec. 10-67*

- 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:
  - An emergency occurred and that the permittee can identify the cause(s) of the emergency;
  - The facility at the time was being properly operated;
  - 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
  - The permittee submitted notice of the emergency to the director by certified mail within two working days of the time when the emissions limitations were exceeded due to the emergency. This notice fulfills the requirement of paragraph 22.108(5)"b." – See G15. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

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

G15. Permit Deviation Reporting Requirements
A deviation is any failure to meet a term, condition or applicable requirement in the permit. Reporting requirements for deviations that result in a hazardous release or excess emissions have been indicated above (see G13 and G14). Unless more frequent deviation reporting is specified in the permit, any other deviation shall be documented in the semi-annual monitoring report and the annual compliance certification (see G4 and G5). *567 IAC 22.108(5)"b"*

G16. Notification Requirements for Sources That Become Subject to NSPS and NESHAP Regulations
During the term of this permit, the permittee must notify the department of any source that becomes subject to a standard or other requirement under 567-subrule 23.1(2) (standards of performance of new stationary sources) or section 111 of the Act; or 567-subrule 23.1(3) (emissions standards for hazardous air pollutants), 567-subrule 23.1(4) (emission standards for hazardous air pollutants for source categories) or section 112 of the Act. This notification shall be submitted in writing to the department pursuant to the notification requirements in 40 CFR Section 60.7, 40 CFR Section 61.07, and/or 40 CFR Section 63.9. *567 IAC 23.1(2), 567 IAC 23.1(3), 567 IAC 23.1(4) This notification must be made to Linn County Air Quality Division, in lieu of the Department, upon adoption of the NSPS or NESHAP into Chapter 10.*

G17. Requirements for Making Changes to Emission Sources That Do Not Require Title V Permit Modification
1. Off Permit Changes to a Source. Pursuant to section 502(b)(10) of the CAAA, the permittee may make changes to this installation/facility without revising this permit if:
    a. The changes are not major modifications under any provision of any program required by section 110 of the Act, modifications under section 111 of the act, modifications under section 112 of the act, or major modifications as defined in 567 IAC Chapter 22.
    b. The changes do not exceed the emissions allowable under the permit (whether expressed therein as a rate of emissions or in terms of total emissions);
    c. The changes are not modifications under any provisions of Title I of the Act and the changes do not exceed the emissions allowable under the permit (whether expressed therein as a rate of emissions or as total emissions);
    d. The changes are not subject to any requirement under Title IV of the Act (revisions affecting Title IV permitting are addressed in rules 567—22.140(455B) through 567 - 22.144(455B));.
    e. The changes comply with all applicable requirements.
    f. For each such change, the permitted source provides to the department and the administrator by certified mail, at least 30 days in advance of the proposed change, a written notification, including the following, which must be attached to the permit by the source, the department and the administrator:
        i. A brief description of the change within the permitted facility,
        ii. The date on which the change will occur,
        iii. Any change in emission as a result of that change,
        iv. The pollutants emitted subject to the emissions trade
        v. If the emissions trading provisions of the state implementation plan are invoked, then Title V permit requirements with which the source shall comply; a description of how the emissions increases and decreases will comply with the terms and conditions of the Title V permit.
        vi. A description of the trading of emissions increases and decreases for the purpose of complying with a federally enforceable emissions cap as specified in and in compliance with the Title V permit; and
        vii. Any permit term or condition no longer applicable as a result of the change. *567 IAC 22.110(1)*
2. Such changes do not include changes that would violate applicable requirements or contravene federally enforceable permit terms and conditions that are monitoring (including test methods), record keeping, reporting, or compliance certification requirements. *567 IAC 22.110(2)*
3. Notwithstanding any other part of this rule, the director may, upon review of a notice, require a stationary source to apply for a Title V permit if the change does not meet the requirements of subrule 22.110(1). *567 IAC 22.110(3)*
4. The permit shield provided in subrule 22.108(18) shall not apply to any change made pursuant to this rule. Compliance with the permit requirements that the source will meet using the emissions trade shall be determined according to requirements of the state implementation plan authorizing the emissions trade. *567 IAC 22.110(4)*
5. No permit revision shall be required, under any approved economic incentives, marketable permits, emissions trading and other similar programs or processes, for changes that are provided for in this permit. *567 IAC 22.108(11)*

G18. Duty to Modify a Title V Permit
1. Administrative Amendment.
    a. An administrative permit amendment is a permit revision that does any of the following:
        i. Correct typographical errors;
        ii. Identify a change in the name, address, or telephone number of any person identified in the permit, or provides a similar minor administrative change at the source;
        iii. Require more frequent monitoring or reporting by the permittee; or

iv. Allow for a change in ownership or operational control of a source where the director determines that no other change in the permit is necessary, provided that a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new permittee has been submitted to the director.

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

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

2. Minor Title V Permit Modification.

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

i. Do not violate any applicable requirement;

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

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

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

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

vi. Are not required to be processed as significant modification under rule 567 - 22.113(455B).

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

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

ii. The permittee's suggested draft permit;

iii. Certification by a responsible official, pursuant to 567 IAC 22.107(4), that the proposed modification meets the criteria for use of minor permit modification procedures and a request that such procedures be used; and

iv. Completed forms to enable the department to notify the administrator and the affected states as required by 567 IAC 22.107(7).

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

3. Significant Title V Permit Modification.

a. Significant Title V modification procedures shall be used for applications requesting Title V permit modifications that do not qualify as minor Title V modifications or as administrative amendments. These include but are not limited to all significant changes in monitoring permit terms, every relaxation of reporting or recordkeeping permit terms, and any change in the method of measuring compliance with existing requirements. Significant Title V modifications shall meet all requirements of 567 IAC Chapter 22, including those for applications, public participation, review by affected states, and review by the administrator, as those requirements that apply to Title V issuance and renewal.

b. The permittee shall submit an application for a significant permit modification not later than three months after commencing operation of the changed source unless the existing Title V permit would prohibit such construction or change in operation, in which event the operation of the changed source may not commence until the department revises the permit. *567 IAC 22.111-567 IAC 22.113*

G19. Duty to Obtain Construction Permits
Unless exempted in 567 IAC 22.1(2) or to meet the parameters established in 567 IAC 22.1(1)"c", the permittee shall not construct, install, reconstruct or alter any equipment, control equipment or anaerobic lagoon without first obtaining a construction permit, or conditional permit, or permit pursuant to rule 567 IAC 22.8, or permits required pursuant to rules 567 IAC 22.4, 567 IAC 22.5, 567 IAC 31.3, and 567 IAC 33.3 as required in 567 IAC 22.1(1). A permit shall be obtained prior to the initiation of construction, installation or alteration of any portion of the stationary source or anaerobic lagoon. *567 IAC 22.1(1) and LCO Sec. 10-58*

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 LCO Sec. 10-63.

G22. Acid Rain (Title IV) Emissions Allowances
The permittee shall not exceed any allowances that it holds under Title IV of the Act or the regulations promulgated there under. Annual emissions of sulfur dioxide in excess of the number of allowances to emit sulfur dioxide held by the owners and operators of the unit or the designated representative of the owners and operators is prohibited. Exceedences of applicable emission rates are prohibited. "Held" in this context refers to both those allowances assigned to the owners and operators by USEPA, and those allowances supplementally acquired by the owners and operators. The use of any allowance prior to the year for which it was allocated is prohibited. Contravention of any other provision of the permit is prohibited. *567 IAC 22.108(7)*

G23. Stratospheric Ozone and Climate Protection (Title VI) Requirements
1. The permittee shall comply with the standards for labeling of products using ozone-depleting substances pursuant to 40 CFR Part 82, Subpart E:
    a. All containers in which a class I or class II substance is stored or transported, all products containing a class I substance, and all products directly manufactured with a class I substance must bear the required warning statement if it is being introduced into interstate commerce pursuant to § 82.106.
    b. The placement of the required warning statement must comply with the requirements pursuant to § 82.108.
    c. The form of the label bearing the required warning statement must comply with the requirements pursuant to § 82.110.
    d. No person may modify, remove, or interfere with the required warning statement except as described in § 82.112.
2. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for MVACs in Subpart B:
    a. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to § 82.156.
    b. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to § 82.158.
    c. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to § 82.161.
    d. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with reporting and recordkeeping requirements pursuant to § 82.166. ("MVAC-like appliance" as defined at § 82.152)
    e. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to § 82.156.
    f. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to § 82.166.
3. If the permittee manufactures, transforms, imports, or exports a class I or class II substance, the permittee is subject to all the requirements as specified in 40 CFR part 82, Subpart A, Production and Consumption Controls.
4. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners. The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant,

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

G24. Permit Reopenings

1. This permit may be modified, revoked, reopened, and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. *567 IAC 22.108(9)"c"*
2. Additional applicable requirements under the Act become applicable to a major part 70 source with a remaining permit term of 3 or more years. Revisions shall be made as expeditiously as practicable, but not later than 18 months after the promulgation of such standards and regulations.
    a. Reopening and revision on this ground is not required if the permit has a remaining term of less than three years;
    b. Reopening and revision on this ground is not required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions have been extended pursuant to 40 CFR 70.4(b)(10)(i) or (ii) as amended to May 15, 2001.
    b. Reopening and revision on this ground is not required if the additional applicable requirements are implemented in a general permit that is applicable to the source and the source receives approval for coverage under that general permit. *567 IAC 22.108(17)"a", 567 IAC 22.108(17)"b"*
3. A permit shall be reopened and revised under any of the following circumstances:
    a. The department receives notice that the administrator has granted a petition for disapproval of a permit pursuant to 40 CFR 70.8(d) as amended to July 21, 1992, provided that the reopening may be stayed pending judicial review of that determination;
    b. The department or the administrator determines that the Title V permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the Title V permit;
    c. Additional applicable requirements under the Act become applicable to a Title V source, provided that the reopening on this ground is not required if the permit has a remaining term of less than three years, the effective date of the requirement is later than the date on which the permit is due to expire, or the additional applicable requirements are implemented in a general permit that is applicable to the source and the source receives approval for coverage under that general permit. Such a reopening shall be complete not later than 18 months after promulgation of the applicable requirement.
    d. Additional requirements, including excess emissions requirements, become applicable to a Title IV affected source under the acid rain program. Upon approval by the administrator, excess emissions offset plans shall be deemed to be incorporated into the permit.
    e. The department or the administrator determines that the permit must be revised or revoked to ensure compliance by the source with the applicable requirements. *567 IAC 22.114(1)*
4. Proceedings to reopen and reissue a Title V permit shall follow the procedures applicable to initial permit issuance and shall effect only those parts of the permit for which cause to reopen exists. *567 IAC 22.114(2)*
5. A notice of intent shall be provided to the Title V source at least 30 days in advance of the date the permit is to be reopened, except that the director may provide a shorter time period in the case of an emergency. *567 IAC 22.114(3)*

G25. Permit Shield

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

G26. Severability
The provisions of this permit are severable and if any provision or application of any provision is found to be invalid by this department or a court of law, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected by such finding. *567 IAC 22.108 (8)*

G27. Property Rights
The permit does not convey any property rights of any sort, or any exclusive privilege. *567 IAC 22.108 (9)"d"*

G28. Transferability
This permit is not transferable from one source to another. If title to the facility or any part of it is transferred, an administrative amendment to the permit must be sought consistent with the requirements of 567 IAC 22.111(1). *567 IAC 22.111 (1)"d"*

G29. Disclaimer
No review has been undertaken on the engineering aspects of the equipment or control equipment other than the potential of that equipment for reducing air contaminant emissions. *567 IAC 22.3(3)"c"*

G30. Notification and Reporting Requirements for Stack Tests or Monitor Certification
The permittee shall notify the department's stack test contact in writing not less than 30 days before a required test or performance evaluation of a continuous emission monitor is performed to determine compliance with applicable requirements of 567 – Chapter 23 or a permit condition. Such notice shall include the time, the place, the name of the person who will conduct the test and other information as required by the department. If the owner or operator does not provide timely notice to the department, the department shall not consider the test results or performance evaluation results to be a valid demonstration of compliance with applicable rules or permit conditions. Upon written request, the department may allow a notification period of less than 30 days. At the department's request, a pretest meeting shall be held not later than 15 days prior to conducting the compliance demonstration. A testing protocol shall be submitted to the department no later than 15 days before the owner or operator conducts the compliance demonstration. A representative of the department shall be permitted to witness the tests. Results of the tests shall be submitted in writing to the department's stack test contact in the form of a comprehensive report within six weeks of the completion of the testing. Compliance tests conducted pursuant to this permit shall be conducted with the source operating in a normal manner at its maximum continuous output as rated by the equipment manufacturer, or the rate specified by the owner as the maximum production rate at which the source shall be operated. In cases where compliance is to be demonstrated at less than the maximum continuous output as rated by the equipment manufacturer, and it is the owner's intent to limit the capacity to that rating, the owner may submit evidence to the department that the source has been physically altered so that capacity cannot be exceeded, or the department may require additional testing, continuous monitoring, reports of operating levels, or any other information deemed necessary by the department to determine whether such source is in compliance.
Stack test notifications, reports and correspondence shall be sent to:

Linn County Public Health
Air Quality Division
1020 6th S. SE
Cedar Rapids, IA 52401
(319) 892-6000

567 IAC 25.1(7)"a", 567 IAC 25.1(9) and LCO Sec. 10-70

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

G32. Contacts List
The current address and phone number for reports and notifications to the EPA administrator is:

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

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

Chief, Air Quality Bureau
Iowa Department of Natural Resources
Wallace State Office Building
502 E 9th St.
Des Moines, IA 50319-0034
(515) 725-8200

Reports or notifications to the Linn County local program shall be directed to the supervisor at the Linn County local program. The current address and phone number is:

Linn County Public Health
Air Quality Division
1020 6th Street SE
Cedar Rapids, IA 52401
(319) 892-6000

V. APPENDIX A – Applicable Federal Standards

New Source Performance Standards

40 CFR 60 Subpart A – *General Provisions*

40 CFR 60 Subpart M - *Standards of Performance for Secondary Brass and Bronze Production Plants*

40 CFR 60 Subpart JJJJ – *Standards of Performance for Stationary Spark Ignition Internal Combustion Engines*

A listing of all the promulgated NSPS rules, EPA Region 7 staff contact information (for questions pertaining to the rule), compliance assistance links and a link to each NSPS can be found at the link below:
https://www.epa.gov/caa-permitting/air-technology-standards-region-7

National Emission Standards for Hazardous Air Pollutants Standards

40 CFR 63 Subpart A – *General Provisions*

40 CFR 63 Subpart ZZZZ – *National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines*

40 CFR 63 Subpart CCCCCC – *National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Dispensing Facilities*

40 CFR 63 Subpart TTTTTT – *National Emission Standards for Hazardous Air Pollutants for Secondary Nonferrous Metals Processing Area Sources*

A listing of all the promulgated NESHAP rules, EPA Region 7 staff contact information (for questions pertaining to the rule), compliance assistance links and a link to each NSPS can be found at the link below:
https://www.epa.gov/caa-permitting/air-technology-standards-region-7

V. APPENDIX B – CAM Plans Summary

I. Background

A. Emissions Unit

Description:	See CAM Table 1 for full listing
Identification:	See CAM Table 1 for full listing
Facility:	PMX Industries, Inc. Cedar Rapids, Iowa

B. Applicable Regulation, Emission Limit, and Monitoring Requirements

Regulation No.:	See CAM Table 1 for full listing
Emission Limit or Standard:	See CAM Table 1 for full listing
Current Monitoring Requirements:	See CAM Table 1 for full listing

C. Control Technology

See CAM Table 1 for full listing

II. Monitoring Approach

General Monitoring Guidelines

- CAM involves the observation of control equipment indicators: See CAM Table 1 for full listing. This plan defines acceptable ranges for these indicators. CAM also includes control equipment inspections when excursions of the indicator have taken place and possible corrective action and maintenance, if necessary.
- Monitoring is not required during periods of time greater than one day in which the source does not operate.

Excursion from Compliance

- An excursion occurs when an observed compliance indicator is outside of its defined acceptable indicator range during normal operations, not including startup and shutdown events. An excursion does not necessarily indicate a violation of applicable permit terms, conditions, and/or requirements. However, an excursion must be reported in the Annual Compliance Certification Report.
- Corrective actions will begin as soon as possible, but no later than eight hours from the observation of the excursion.

A. Indicator

See CAM Table 1 for a full list of monitoring indicators identified by emission point and associated control equipment.

B. Indicator Range

See CAM Table 1 for the appropriate indicator range(s) for each of the selected monitoring indicators identified by emission point and associated control equipment. An excursion is defined as an observation of a monitoring indicator that falls outside/below the identified indicator range. Where no visible emissions are the monitoring indicator, the presence of visible emissions is defined as an excursion. Excursions trigger an inspection, corrective action and a recordkeeping requirement.

C. Measurement Approach

See CAM Table 1 for individual monitoring frequencies for each of the selected monitoring indicators identified by emission point and associated control equipment.

D. Performance Criteria

Data representativeness:	Excursions from the normal operating range(s) of the monitoring indicators listed in CAM Table 1 could reveal a decrease in the performance of the control equipment and potentially result in an increase of emissions if corrective actions are not initiated.
Verification of operational status:	Record any excursions and corrective actions, inspections and maintenance resulting from readings outside/below the indicator range, or the presence of visible emissions. Records of monitoring indicator measurements shall be kept for a minimum of five (5)

	years and shall be available for inspection by the federal, state, and local air pollution regulatory agencies and/or their representatives. Records shall be legible and maintained in an orderly manner.
QA/QC practices and criteria:	All instruments and control equipment will be calibrated, maintained, and operated according to the manufacturer's specifications. For visible emissions observations as identified in CAM Table 1: the observer will be trained by PMX Industries to detect visible emissions.
Monitoring frequency:	The facility shall check the monitoring indicators at the frequency identified in CAM Table 1 when the associated emission unit (or units) is in operation.
Data collection procedure:	Results of monitoring indicators in CAM Table 1 will be recorded on appropriate forms (either electronic or paper format) and retained for a minimum of 5 years. Operator logs and maintenance records will be kept for 5 years.

Table 92 - CAM Table 1. Summary of CAM Requirements by Emission Point

EP	EU	EU Description	CE	Pollutant	Emission Limit(s)	Regulation No.
124	124	Descaler Dry Brush	Baghouse	PM/PM_{10}	1.96 lb/hr; 8.58 tpy	LCPH ATI 3260 / PTO 3961-R1
158	120	Milling Machine Brush Box	Baghouse	PM	0.1 gr/dscf; 0.73 lb/hr	LCPH ATI 4737 / PTO 4940
				PM_{10}	0.005 gr/dscf; 0.73 lb/hr	

Table 93 - CAM Table 1. Summary of CAM Requirements by Emission Point (Continued)

EP	Current Monitoring Requirements	Monitoring Indicator	Indicator Range	Measurement Approach	Monitoring Frequency
124	Differential pressure readings	ΔP	0.5 - 6 in w.c.[1]	Differential pressure measurement using magnetic pressure gauge	Once per shift
	Visible emissions	VE	No Visible Emissions[2]	Visible emissions from exhaust	Weekly
158	Differential pressure readings	ΔP	0.1 - 8 in w.c.[1]	Differential pressure measurement using magnetic pressure gauge	Once per shift
	Visible emissions	VE	No Visible Emissions[2]	Visible emissions from exhaust	Weekly

[1] An excursion is defined as a differential pressure reading across the baghouse module outside the acceptable range. ΔP lower than 0.5" is acceptable after immediate replacement of the baghouse socks. Excursions trigger an inspection, corrective action, and a recordkeeping requirement. The inspection that is triggered is a 6-minute visible emissions observation (similar to Method 22).

[2] An excursion is defined as any visible emission occurring. Excursions trigger an inspection, corrective action, and a recordkeeping requirement. The inspection that is triggered is a 6-minute visible emissions observation (similar to Method 22).

V. APPENDIX C – Agency O&M Plans Summary

Emission Point: EP 105
Emission Units: EU 601, 602, 604, 606, 607, 608, 611, 614, 615

Table 94 - Baghouse Parameters

Baghouse Type:	Shaker baghouse operated under negative pressure	
Pollutants Controlled:	PM, PM_{10}, $PM_{2.5}$	
Material Handled:	Process emissions from melting and alloying copper and brass alloys	
Moisture Possible:	☐ Yes	☒ No
Material Corrosive:	☐ Yes	☒ No

Monitoring Guidelines
PMX Industries, Inc. is committed to take timely corrective action during periods of excursion where the indicators are out of range. A corrective action may include an investigation of the reason for the excursion, evaluation of the situation and necessary follow-up action to return operation within the indicator range. An excursion is determined by the average discrete data point over a period of time. An excursion does not necessarily indicate a violation of an applicable requirement. If the corrective action measures fail to return the indicators to the appropriate range, the facility will report the exceedance to the department and conduct source testing within 90 days of the exceedance to demonstrate compliance with applicable requirements. If the test demonstrates compliance with emission limits then new indicator ranges must be set for monitoring and the new ranges must be incorporated in the operating permit. If the test demonstrates noncompliance with emission limits, then the facility, within 60 days, proposes a schedule to implement corrective action to bring the source into compliance and demonstrate compliance.

General
Periodic Monitoring is not required during periods of time greater than one week in which the baghouse does not operate.

Weekly
Visible emissions shall be observed on a weekly basis to ensure no visible emissions during a period when the emission unit is in operation. If visible emissions are observed thus would be an excursion not a violation and corrective action will be taken as soon as possible, but no later than 8 hours from the observation of visible emissions.
If corrective action does not return the observation to no visible emissions, then a Method 9 observation will be required. If a Method 9 opacity greater than the LCPH PTO limit (or 20%, if there is no opacity limit in the LCPH PTO) is observed, this would be a violation and corrective action will be initiated as soon as possible, but no later than 8 hours from the Method 9 observation. An excess emission report shall be filed pursuant to LCO Sec. 10-67.
If weather conditions prevent the observer from conducting a visible emissions observation, the observer shall note such conditions on the data observation sheet. If a reading is necessary to meet the required weekly monitoring, at least three attempts shall be made to retake the observation at approximately 2-hour intervals throughout the day. If unsuccessful that day due to weather an observation shall be made the next operating day when weather permits.

Check and document the baghouse pressure drop. If the pressure drop falls out of the normal operating range, specified in the LCPH PTO, investigative/corrective action will be taken within 8 hours to identify the reason for the drop and/or return the pressure drop to normal.

Conduct weekly visual inspections of the system ductwork for leaks. If the results of the visual inspection indicate a problem with the operation of the baghouse, including but not limited to air leaks, torn or broken bags or filter media, or any other condition that may cause an increase in PM emissions, immediate action will be taken to return the baghouse to normal operation and a record of the corrective action will be maintained.

A record of the observations and any action resulting from the inspection will be maintained.

Monthly
Check the cleaning sequence of the baghouse.
Check the hopper functions and performance.

If leaks or abnormal conditions are detected the appropriate measures for remediation will be implemented within 8 hours. A record of the inspection and any action resulting from the inspection will be maintained.

Quarterly
Thoroughly inspect bags for leaks and wear. Look for obvious holes or tears in the bags. If leaks or abnormal conditions are detected the appropriate measures for remediation will be implemented within 8 hours. Bag replacement should be documented by identifying the date, time, and location of the bag in relationship to the other bags. Maintain a record of the inspection and any action resulting from the inspection.

Semiannual
Every 6 months inspect the interior of the baghouse, including structural components, housing, ducts, and hoods. If leaks or abnormal conditions are detected the appropriate measure for remediation will be implemented within 8 hours. A record of the inspection and any action resulting from the inspection will be maintained.

Recordkeeping and Reporting
Maintenance and inspection records will be kept for five years and available upon request. Records may be in written form or electronic.
For each inspection, record the

- date, place and time
- person conducting the inspection
- technique or method used
- operating conditions during the inspection
- results of the inspection.

Authority for Requirement: 567 IAC 22.108(3)

V. APPENDIX D - Opacity Monitoring Summary

Opacity Monitoring
The facility shall check the opacity weekly during a period when the emission unit listed in Opacity Monitoring Table 1 is operating at or near full capacity and record the reading. Maintain a written record of the observation and any action resulting from the observation for a minimum of five years. Opacity shall be observed to ensure that no visible emissions occur during the material handling operation of the unit. If visible emissions are observed corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If corrective action does not return the observation to no visible emissions, then a Method 9 observation will be required.

If an opacity >20 % is observed, this would be a violation and corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If weather conditions prevent the observer from conducting an opacity observation, the observer shall note such conditions on the data observation sheet. At least three attempts shall be made to retake opacity readings at approximately 2-hour intervals throughout the day. If all observation attempts for a week have been unsuccessful due to weather, an observation shall be made the next operating day where weather permits.

Table 95 - Opacity Monitoring Table 1

EP	EU ID	EU Description
105	601, 602, 604, 606, 607, 608, 611, 614, 615	Electric Induction Furnaces
106	106	Algoma Rolling Mill
107	107	Pickle Line #1
108	108	Two Stand Tandem Mill
113	113	Blaw Knox Rolling Mill
114	114	Sendzimer Rolling Mill
120	120	Surface Milling Machine
124	124	Descaler Dry Brush
125	125	Descaler Sulfuric Acid Pickle
127	127	Ebner Annealing Furnaces
128	128	Ebner Annealing Furnaces
144	144	Ebner Annealing Furnaces
148	148	Ebner Annealing Furnaces
129	129	Reheat Furnace
133	133A, 133B	Acid Flux Application, Tinning
140	140	Continuous Annealing and Pickling Line #1
141	141	Continuous Annealing and Pickling Line #2
146	146	Degreasing Pickle Line
149	149	Bonding Mill
150	150	Bonding Mill – Vanishing Lubricant
158	120	Surface Milling Machine
159	159	Acid Flux Application – Tine Line
160	160	Ammunition Cupping Acid Pickling

Authority for Requirement: 567 IAC 22.108(14)

V. APPENDIX E – Stack Testing Summary

Table 96 - Stack Testing Summary

EP	EU Description	Pollutant	Compliance Methodology	Completion Deadline	Test Method
135	Non-emergency Generator	CO	Stack Test	Per 40 CFR §63.6615[1]	40 CFR 60, Appendix A, Method 10
136	Non-emergency Generator	CO	Stack Test	Per 40 CFR §63.6615[1]	40 CFR 60, Appendix A, Method 10
137	Non-emergency Generator	CO	Stack Test	Per 40 CFR §63.6615[1]	40 CFR 60, Appendix A, Method 10
138	Non-emergency Generator	CO	Stack Test	Per 40 CFR §63.6615[1]	40 CFR 60, Appendix A, Method 10
139	Non-emergency Generator	CO	Stack Test	Per 40 CFR §63.6615[1]	40 CFR 60, Appendix A, Method 10
150	Bonding Mill	VOC	Lab Analysis	Change Only[2,3]	40 CFR 60, Appendix A, Method 24
150	Bonding Mill	PM	Stack Test	June 29, 2025	40 CFR 60, Appendix A, Method 5 40 CFR 51, Appendix M, Method 202

[1] Pursuant to Table 3 of NESHAP Subpart ZZZZ as referenced in §63.6615, the owner or operator must conduct subsequent performance tests every 8,760 hours or 3 years, whichever comes first.
[2] A lab analysis shall only be conducted in the event a change in vanishing lubricant is used in the bonding mill (EU150).
[3] The lab analysis shall determine the following: weight fraction VOC content in virgin vanishing lubricant; weight fraction H_2O content in virgin vanishing lubricant; weight fraction VOC in spent vanishing lubricant; weight fraction H_2O content in spent vanishing lubricant; and density of virgin and spent vanishing lubricant.

The owner of this equipment or the owner's authorized agent shall provide written notice to the Director, not less than 30 days before a required stack test or performance evaluation of a continuous emission monitor. Results of the test shall be submitted in writing to the Director in the form of a comprehensive report within 6 weeks of the completion of the testing. 567 IAC 25.1(7)

Authority for Requirement – 567 IAC 22.108(3); 567 IAC 23.1(4)"cz"; LCO Sec. 10-62(d)(104)