

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-022R1-M002

Expiration Date: Date, March 16, 2013

Permit Renewal Application Deadline: September 16, 2012

EIQ Number: 92-9186

Facility File Number: 57-01-095

Responsible Official

Name: Jeff Meessmann

Title: Vice President of Manufacturing

Mailing Address: 5300 Willow Creek Drive SW, Cedar Rapids, IA 52404

Phone #: (319) 368-7700

Permit Contact Person for the Facility

Name: Cynthia Stevenson

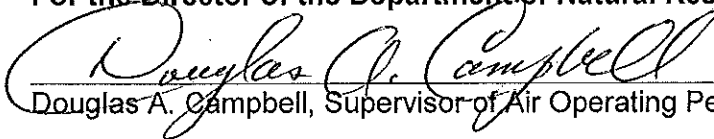
Title: Environmental Engineer

Mailing Address: 5300 Willow Creek Drive SW, Cedar Rapids, IA 52404

Phone #: (319) 368-7700

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


Douglas A. Campbell, Supervisor of Air Operating Permits Section

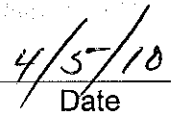

Date

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Abbreviations

acfm	actual cubic feet per minute
CFR.....	Code of Federal Regulation
CPV.....	Constant Pressure Valve
°F.....	degrees Fahrenheit
EIQ.....	emissions inventory questionnaire
EU.....	emission unit
EP.....	emission point
gr./dscf	grains per dry standard cubic foot
gr./100 cf	grains per one hundred cubic feet
IAC	Iowa Administrative Code
IDNR	Iowa Department of Natural Resources
LCPH	Linn County Public Health
LCO.....	Linn County Ordinance
MVAC.....	motor vehicle air conditioner
NSPS	new source performance standard
ppmv	parts per million by volume
lb./hr	pounds per hour
lb./MMBtu.....	pounds per million British thermal units
scfm	standard cubic feet per minute
TPY	Tons per year
USEPA.....	United States Environmental Protection Agency

Pollutants

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

I. Facility Description and Equipment List

Facility Name: PMX Industries, Inc.
 Permit Number: 02-TV-022R1-M002

Facility Description: Secondary Brass and Copper Production (SIC 3351)

Equipment List

Emission Point Number	Emission Unit Number	Emission Unit Description	LCPH Construction Permit Number
105	601	Electric Induction Furnace	3424 / 4247
105	602	Electric Induction Furnace	3424 / 4247
105	604	Electric Induction Furnace	3424 / 4247
105	606	Electric Induction Furnace	3424 / 4247
105	607	Electric Induction Furnace	3424 / 4247
105	608	Electric Induction Furnace	3424 / 4247
105	611	Electric Induction Furnace	3424 / 4247
105	614	Electric Induction Furnace	3424 / 4247
105	615	Electric Induction Furnace	3424 / 4247
106	106	Algoma Finishing Mill	3552 / 3722
107	107	Sulfuric Acid Pickling of Copper and Brass Alloys	2694 / 2606
108	108	Two Stand Tandem Mill	3009 / 3962
113	113	Blaw Knox Rolling Mill	3574 / 3724
114	114	Sendzimer Cold Rolling Mill	3575 / 3724
120	120	Surface Milling Machine	5097 / 5138
121	121	Pneumatic Transfer of Milling Line Chips	3808 / 3527
122	122	Abrasive Wheel Grinding of Cast Slabs	2689 / 2835
124	124	Descaler Dry Brush	3260 / 3961
125	125	Acid Pickle Descaling Line	3168 / 2987
126	126	Cold Rolling Mill	3008 / 4059
127	127	11 Ebner Annealing Furnaces	3006 / 3524
127	127B	11 Ebner Annealing Furnaces, (Nat Gas Combustion)	3006 / 3524
128	128	11 Ebner Annealing Furnaces	3005 / 3525
128	128B	11 Ebner Annealing Furnaces, (Nat Gas Combustion)	3005 / 3525
129	129	Reheating Cast Copper and Brass Alloy Slabs	3007 / 2894
133	133A	Acid Flux Application	3507 / 3973
133	133B	Tinning	3507 / 3973
135	135	Diesel Emergency Generator	4482 / 4500
136	136	Diesel Emergency Generator	4483 / 4501
137	137	Diesel Emergency Generator	4484 / 4502
138	138	Diesel Emergency Generator	4485 / 4503
139	139	Diesel Emergency Generator	4486 / 4504
140	140	Continuous Annealing and Pickling Line #1	4015 / 4070
141	141	Continuous Annealing and Pickling Line #2	3504 / 3974
144	144	11 Ebner Annealing Furnaces	4017 / 4071
144	144B	11 Ebner Annealing Furnaces, (Nat Gas Combustion)	4017 / 4071
145	145	Four Stand Tandem Mill	3765 / 4076
146	146	Degreasing Pickle Line	3829 / 4072

Emission Point Number	Emission Unit Number	Emission Unit Description	LCPH Construction Permit Number
147	147	Roller Hearth Annealing Furnace	3983 / 4075
148	148	11 Ebner Annealing Furnaces	4016 / 4073
148	148B	11 Ebner Annealing Furnaces, (Nat Gas Combustion)	4016 / 4073
149	149	Bonding Mill – Dry Brushing	4256 / 4440
151	151	Cast Shop Central Vacuum System	4254 / 4441
157	157	Parts Washer	4668 / 4714
158	158	Milling Machine Brush Box	4737 / 4940
159	133A	Tin Dip-Acid Flux Drying	5519 / 5348
1	601-615	Cast Shop (Charge Fed) Internally Vented	-
1	601-615	Cast Shop (Castings Created) Internally Vented	-

Insignificant Activities Equipment List

Insignificant Emission Unit Number	Insignificant Emission Unit Description
A	CAP 01 Furnace
B	CAP 01 Dryer number 1
C	CAP 01 Dryer number 2
D	CAP 01 Process Heater 1
E	CAP 01 Process Heater 2
F	CAP 02 Furnace
G	CAP 02 Dryer number 1
H	CAP 02 Dryer number 2
I	CAP 02 Process Heater 1
J	CAP 02 Process Heater 2
K	Process Boiler, Cleaver Brooks
L	Process Boiler Burham
M	Steckel Furnace
N	Total Facility Heating Equipment
O	Tin Line Dryer
P	Tin Line Production Tin Pot
Q	Tin Line Off-Line Tin Pot
R	Algoma Rolling Oil Storage
S	Blaw Knox Rolling Oil Storage
T	Sendzimer Rolling Oil Storage
U	Used Oil Storage, 3000 gallons
V	Fuel Station, Kerosene
W	Fuel Station Gasoline
X	Fuel Station, Diesel
Y	Cast Shop Natural Gas
Z	A/A Reaction Tank
152 ⁽¹⁾	Diesel Storage, 5000 gallons
153 ⁽¹⁾	Diesel Storage, 8000 gallons
154 ⁽¹⁾	Diesel Day Tank, 100 gallons
155 ⁽¹⁾	Diesel Day Tank, 100 gallons
156 ⁽¹⁾	Diesel Day Tank, 100 gallons
AA	Emergency Generator, South
BB	Emergency Generator, North
CC	Emergency Fire Pump

⁽¹⁾ The construction permit associated with this emission unit does not contain any specific terms or conditions; therefore it qualifies as an insignificant activity per rule 567 IAC 22.103

II. Plant-Wide Conditions

Facility Name: PMX Industries, Inc.
Permit Number: 02-TV-022R1-M002

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: March 17, 2008
Ending on: March 16, 2013

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 10.7

Sulfur Dioxide (SO₂): 500 parts per million by volume
Authority for Requirement: 567 IAC 23.3(3)"e"
LCO 10.12(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 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 I for the process weight rate allocated to such emission point. The emission standards in LCO 10.9 (1)"a" shall apply and those specified in LCO 10.8 and 10.9 and Table I shall not apply to each process of the types listed in those 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 may enforce 0.1 grain per standard cubic foot of exhaust gas, or Table I of this section, whichever would result in the lowest allowable emission rate.
Authority for Requirement: LCO 10.9(1)

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

1. Use, where practical, of water or chemicals for control of dusts in the demolition of existing buildings or structures, construction operations, the grading of roads or the clearing of land.
2. Application of suitable materials, such as but not limited to asphalt, oil, water or chemicals on unpaved roads, material stockpiles, race tracks and other surfaces which can give rise to airborne dusts.
3. Installation and use of containment or control equipment, to enclose or otherwise limit the emissions resulting from the handling and transfer of dusty materials, such as but not limited to grain, fertilizers or limestone.
4. Covering at all times when in motion, open-bodied vehicles transporting materials likely to give rise to airborne dusts.
5. Prompt removal of earth or other material from paved streets or to which earth or other material has been transported by trucking or earth-moving equipment, erosion by water or other means.
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 10.13

Compliance Plan

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

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

Authority for Requirement: 567 IAC 22.108(15)

III. Emission Point-Specific Conditions

Facility Name: PMX Industries, Inc.
 Permit Number: 02-TV-022R1-M002

Emission Point ID Number: 105

Table 1. Associated Equipment.

EP	EU	EU Description	Raw Material/Fuel	Rated Capacity (ton/hr)	CE ID	CE Description
105	601	Electric Induction Furnace	Copper & Brass Alloys, Fluxes, Charcoal	2.64	CE-105	Baghouse
	602	Electric Induction Furnace	Copper & Brass Alloys, Fluxes, Charcoal	2.64		
	604	Electric Induction Furnace	Copper & Brass Alloys, Fluxes, Charcoal	5.27		
	606	Electric Induction Furnace	Copper & Brass Alloys, Fluxes, Charcoal	1.38		
	607	Electric Induction Furnace	Copper & Brass Alloys, Fluxes, Charcoal	1.38		
	608	Electric Induction Furnace	Copper & Brass Alloys, Fluxes, Charcoal	2.76		
	611	Electric Induction Furnace	Copper & Brass Alloys, Fluxes, Charcoal	3.00		
	614	Electric Induction Furnace	Copper & Brass Alloys, Fluxes, Charcoal	2.46		
	615	Electric Induction Furnace	Copper & Brass Alloys, Fluxes, Charcoal	2.46		

Applicable Requirements

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

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

Table 2. Emission Limits.

EP	Pollutant	Emission Limit(s)	LCPH ATI / PTO
105	Opacity	10%	3424 / 4247
	PM/PM ₁₀	0.002 gr/dscf, 1.50 lb/hr, 6.57 tpy	
	SO ₂	0.76 lb/hr, 3.32 tpy	

Table 3. General Emission Limits.

EP	Pollutant	Emission Limit(s)	Authority for Requirement
105	Opacity	10%	40 CFR 60.132(b) Subpart M 567 IAC 23.1(2)"i" LCO 10.9(2)"n"
	Particulate Matter	0.1 gr/dscf	567 IAC 23.4(5) LCO 10.9(1)"e"

Operational Limits & Requirements

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

Control Device:

This source shall have a baghouse installed, operating, and maintained any time any of the cast shop furnaces are operated. Operation parameters for the control device delineated at the time of final source testing shall become a part of this permit condition. All appropriate probes and gauges needed to measure the parameters outlined in Compliance Monitoring and Record keeping shall be installed and maintained in a good operating condition.

Authority for Requirement: LCPH ATI 3424 / PTO 4247

Operating Limits:

The maximum operating capacity of all 4 stations combined is:

Holding and Melting Stations 1,2,3 & 5 210,000 ton/yr

Exhaust Airflow Rate 84,499 acfm ± 20%

Airflow to the baghouse shall not exceed 84,499 acfm ± 20%. Any modification to the airflow would be considered a modification and would necessitate a new authorization to install permit.

Authority for Requirement: LCPH ATI 3424 / PTO 4247

Compliance Monitoring:

The following information shall be monitored:

- Production of the cast shop stations shall be limited to 210,000 tons of copper, copper alloys and brass alloys cast a year based on a 12-month rolling average.
- Hours of operation for the baghouse based on a 12-month rolling average
- Weekly visual inspection of the baghouse exhaust and any seals for visible emissions shall be conducted. Any observation of visible emissions shall require repairs to the baghouse.
- Pressure drop across the baghouse shall be monitored and recorded daily. These recordings shall be maintained on site for a minimum of five years and shall be available for review by air pollution control personnel upon request.

Authority for Requirement: LCPH ATI 3424 / PTO 4247

Record keeping Requirements:

A log of operation shall be maintained for the operation of the above listed unit. The following information shall be recorded and kept on site for a period of no less than five years.

- Production of the cast shop stations shall be limited to 210,000 tons of copper, copper alloys and brass alloys cast a year based on a 12-month rolling average.
- Hours of operation for the baghouse based on a 12-month rolling average
- Weekly visual inspection of the baghouse exhaust and any seals for visible emissions shall be conducted. Any observation of visible emissions shall require repairs to the baghouse.
- Pressure drop across the baghouse shall be monitored and recorded daily. These recordings shall be maintained on site for a minimum of five years and shall be available for review by air pollution control personnel upon request.

Authority for Requirement: LCPH ATI 3424 / PTO 4247

Reporting:

Submit quarterly emissions report summarizing the following items by the 30th of each month for the previous quarter (January 30, April 30, July 30, and October 30).

- 1. Hours the baghouse operated based on a 12-month rolling average
- 2. Production rate of all metals based on a 12-month rolling average

Authority for Requirement: LCPH ATI 3424 / PTO 4247

NSPS and NESHAP Requirements:

EP 105 is subject to NSPS Subpart A, General Provisions and Subpart M Standards of Performance for Secondary Brass and Bronze Production Plants.

Authority for Requirement: LCO 10.9(2)
LCO 10.9(2)(a)"9"

EP 105 is subject to NESHAP Subpart A, General Provisions and NESHAP Subpart TTTTTT, National Emission Standards for Hazardous Air Pollutants for Secondary Nonferrous Metals Processing Area Sources.

Authority for Requirement: 40 CFR §63.111462

Monitoring Requirements

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

Stack Testing:

Pollutant – PM-10 ⁽¹⁾
Stack Test to be Completed by – March 16, 2011
Test Method – 40 CFR 51, Appendix M, 201A with 202*
Authority for Requirement – 567 IAC 22.108(3)

* Or approved alternative

Pollutant – Particulate Matter (PM)
Stack Test to be Completed by – March 16, 2011
Test Method – Iowa Compliance Sampling Manual
Authority for Requirement – 567 IAC 22.108(3)

⁽¹⁾PMX Industries, Inc. may choose to perform one stack test to account for both PM and PM-10 emissions. This one test will satisfy the testing requirements for both pollutants. If the test results show a violation of the applicable emission limits, then the emission point will be considered to be out of compliance for both pollutants. The test method used must be approved by the Department's stack testing personnel prior to testing.

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)

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)

Compliance Assurance Monitoring Plan

CAM Plan for EP-105 Baghouse

I. Background

A. Emissions Unit

Description: Cast Shop Melting and Holding Furnaces
 Identification: EU 601-615
 Facility: PMX Industries, Inc.
 5300 Willow Creek Drive SW
 Cedar Rapids, IA 52404

B. Applicable Regulation, Emission Limit, and Monitoring Requirements

Regulation No.: LCPH PTO 4247
 Particulate emission limit: PM/PM₁₀: 1.5 lb/hr, 0.002 gr/dscf, 6.57 tpy
 Opacity emission limit: 10%

Current Monitoring requirements:

1. stack testing
2. monthly production rates
3. monthly baghouse hours of operation
4. weekly visual inspection of the baghouse exhaust and any seals for visible emissions
5. daily pressure drop across the baghouse

C. Control Technology

Shaker Baghouse operated under negative pressure

II. Monitoring Approach

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

Table A – Monitoring Approach

	Indicator #1	Indicator #2
I. Indicator	Differential pressure across baghouse	Visible Emissions
Measurement Approach	Differential pressure measured across each baghouse using Magnehelic type pressure gauge and a manometer.	Visible emissions from baghouse exhaust while EU 105 is operating.
II. Indicator Range	An excursion is defined as a differential pressure reading across the baghouse outside the acceptable range. The acceptable range is 7 ± 3.5 inches water. 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). If appropriate, the differential pressure across each module will be measured to help	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).

	identify which module is causing the excursion.	
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III. Performance Criteria		
A. Data Representativeness	The differential pressure is measured across the baghouse.	Visible emissions observations are made at the emission point and on the external baghouse unit, cyclones, system ductwork and associated components.
B. Verification of Operational Status	The manometer and gauge will be calibrated, operated, and maintained according to the manufacturer's instructions.	Not applicable.
C. QA/QC Practices and Criteria	Manometers and gauge will be maintained according to manufacturer's specifications.	The observer will be trained by PMX Industries to detect visible emissions.
D. Monitoring Frequency	The differential pressure across the baghouse will be inspected a minimum of once per day (when the baghouse is operating) using the Magnehlic guage. The differential pressure across each modeule will be measured once per month using a manometer.	No visible emissions (NVE) observations are made at the emission point and on the external baghouse unit, cyclones, system ductwork and associated components on a weekly basis.
E. Data Collection Procedures	Results of baghouse differential pressure checks will be recorded on the Daily Casting Baghouse Data Sheet. These forms will be kept a minimum of 5 years.	Results of "no visible emissions" observations are recorded on the visible emissions log and the Daily Casting Baghouse Data Sheet. These forms will be kept a minimum of 5 years.

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 106

Table 4. Associated Equipment.

EP	EU	EU Description	Raw Material/Fuel	Rated Capacity (ton/hr)	CE ID	CE Description
106	106	Algona Finishing Mill	Copper & Brass Alloy Strip	7.92	CE-106	3 Stage Mist Eliminator

Applicable Requirements

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

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

Table 5. Emission Limits.

EP	Pollutant	Emission Limit(s)	LCPH ATI / PTO
106	Opacity	10%	3552 / 3722
	PM/PM ₁₀	1.85 lb/hr, 8.1 tpy	

Table 6. General Emission Limits.

EP	Pollutant	Emission Limit(s)	Authority for Requirement
106	Particulate Matter	0.1 gr/dscf	567 IAC 23.3(2)"a"(2) LCO 10.9(1)"a"

Operational Limits & Requirements

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

Control Device:

A series of filters shall be installed and maintained according to manufacturer specifications in order to control particulate emissions and visible opacity.

Authority for Requirement: LCPH ATI 3552 / PTO 3722

Operation Limits:

Rolling oils considered for use in emission points 106, 113 and 114 shall have a viscosity of 4.5-8.5 cSt at 40°C ± 10%. All proposed changes of rolling oil must first be approved by the Air Quality Division, prior to use. Linn County Air Quality requests proposed changes in rolling oil be submitted in writing two weeks prior to any change of oil being implemented.

Authority for Requirement: LCPH ATI 3552 / PTO 3722

Record keeping Requirements:

A log of operation shall be maintained for the operation of the above listed unit. As a minimum the following information shall be recorded and kept on site for a period of five years. These records shall be available at all times for viewing by air pollution control personnel.

- Record monthly usage of rolling lubricants
- Lubricant viscosity

Authority for Requirement: LCPH ATI 3552 / PTO 3722

Reporting:

- Submit lubricant viscosity changes two weeks prior to implementing any change.

Authority for Requirement: LCPH ATI 3552 / PTO 3722

Monitoring Requirements

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

Stack Testing:

- Pollutant – Volatile Organic Compounds⁽¹⁾
- 1st Stack Test to be Completed by - March 16, 2011
- Test Method – 40 CFR 60, Appendix A, Method 25A*
- Authority for Requirement – 567 IAC 22.108(3)

* Or approved alternative

⁽¹⁾ PMX is to perform one stack test for VOC emissions from one of the following emission points: EP 106, 113 and 114. This one test will satisfy the testing requirements for the other two emission points. The test method used must be approved by the Department's stack testing personnel prior to testing.

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)

Opacity Monitoring:

The facility shall check the opacity weekly during a period when the emission unit on this emission point is 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 >10% 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.

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 7. Associated Equipment.

EP	EU	EU Description	Raw Material/Fuel	Rated Capacity (ton/hr)	CE ID	CE Description
107	107	Sulfuric Acid Pickling of Copper and Brass Alloys	Copper & Brass Alloy Strip	10.65	CE-107	Scrubber

Applicable Requirements

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

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

Table 8. Emission Limits.

EP	Pollutant	Emission Limit(s)	LCPH ATI / PTO
107			2694 / 2606
	PM/PM ₁₀	0.17 lb/hr, 0.75 tpy	

Table 9. General Emission Limits.

EP	Pollutant	Emission Limit(s)	Authority for Requirement
107	Opacity	20%	LCO 10.7
	Particulate Matter	0.1 gr/dscf	567 IAC 23.3(2)"a"(2) LCO 10.9(1)"a"

Monitoring Requirements

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

Stack testing not required at this time.

Opacity Monitoring:

The facility shall check the opacity weekly during a period when the emission unit on this emission point is 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.

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 10. Associated Equipment.

EP	EU	EU Description	Raw Material/Fuel	Rated Capacity (ton/hr)	CE ID	CE Description
108	108	Two Stand Tandem Mill	Copper & Brass Alloy Strip	29.32	-	-

Applicable Requirements

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

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

Table 11. Emission Limits.

EP	Pollutant	Emission Limit(s)	LCPH ATI / PTO
108			3009 / 3962
	PM/PM ₁₀	3.01 lb/hr	

Table 12. General Emission Limits.

EP	Pollutant	Emission Limit(s)	Authority for Requirement
108	Opacity	20% ⁽¹⁾	LCPH ATI 3009 / PTO 3962 LCO 10.7
	Particulate Matter	0.1 gr/dscf	LCPH ATI 3009 / PTO 3962 567 IAC 23.3(2)"a"(2) LCO 10.9(1)"a"

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

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 Linn County Air Quality Division and other federal or state air pollution regulatory agencies and their authorized representatives.

1) Monitor and record "no visible emissions" observations on a weekly basis.

Authority for Requirement: LCPH ATI 3009 / PTO 3962

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Table 13. Stack Characteristics.

		Stack Characteristics				
EP	LCPH ATI / PTO	Stack Height (feet, above ground)	Discharge Style	Stack Opening (inches, dia.)	Exhaust Temp. (°F)	Exhaust Flowrate (acfm)
108	3009 / 3962	51.8	Vertical, obstructed	36.3	83.3	32,366

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

Authority for Requirement: LCPH ATI 3009 / PTO 3962

Monitoring Requirements

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

Stack testing not required at this time.

Opacity Monitoring:

The facility shall check the opacity weekly during a period when the emission unit on this emission point is 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.

Authority for Requirement: LCPH ATI 3009 / PTO 3962
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: 113

Table 14. Associated Equipment.

EP	EU	EU Description	Raw Material/Fuel	Rated Capacity (ton/hr)	CE ID	CE Description
113	113	Blaw Knox Rolling Mill	Copper & Brass Alloy Strip	11.10	CE-113	3 Stage Mist Eliminator

Applicable Requirements

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

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

Table 15. Emission Limits.

EP	Pollutant	Emission Limit(s)	LCPH ATI / PTO
113	Opacity	10%	3574 / 3723
	PM/PM ₁₀	1.85 lb/hr, 8.1 tpy	

Table 16. General Emission Limits.

EP	Pollutant	Emission Limit(s)	Authority for Requirement
113	Particulate Matter	0.1 gr/dscf	567 IAC 23.3(2)"a"(2) LCO 10.9(1)"a"

Operational Limits & Requirements

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

Control Device:

A series of filters shall be installed and maintained according to manufacturer specifications in order to control particulate emissions and visible opacity.

Authority for Requirement: LCPH ATI 3574 / PTO 3723

Operation Limits:

Rolling oils considered for use in emission points 106, 113, and 114 shall have a viscosity of 4.5 – 8.5 cSt at 40°C ± 10%. All proposed changes of rolling oil must first be approved by the Air Quality Division, prior to use. Linn County Air Quality requests proposed changes in rolling oil lubricant be submitted in writing two weeks prior to any change of oil being implemented.

Authority for Requirement: LCPH ATI 3574 / PTO 3723

Record keeping Requirements:

A log of operation shall be maintained for the operation of the above listed unit. As a minimum the following information shall be recorded and kept on site for a period of five years. These records shall be available at all times for viewing by air pollution control personnel.

- Record monthly usage of rolling lubricants.
- Lubricant viscosity.

Authority for Requirement: LCPH ATI 3574 / PTO 3723

Reporting:

- Submit lubricant viscosity changes two weeks prior to implementing any change.

Authority for Requirement: LCPH ATI 3574 / PTO 3723

Monitoring Requirements

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

Stack Testing:

- Pollutant – Volatile Organic Compounds⁽¹⁾
- 1st Stack Test to be Completed by - March 16, 2011
- Test Method – 40 CFR 60, Appendix A, Method 25A*
- Authority for Requirement – 567 IAC 22.108(3)

* Or approved alternative

⁽¹⁾ PMX is to perform one stack test for VOC emissions from one of the following emission points: EP 106, 113 and 114. This one test will satisfy the testing requirements for the other two emission points. The test method used must be approved by the Department's stack testing personnel prior to testing.

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)

Opacity Monitoring:

The facility shall check the opacity weekly during a period when the emission unit on this emission point is 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 >10% 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.

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: 114**Table 17. Associated Equipment.**

EP	EU	EU Description	Raw Material/Fuel	Rated Capacity (ton/hr)	CE ID	CE Description
114	114	Sendzimer Cold Rolling Mill	Copper & Brass Alloy Strip	11.10	CE-114	3 Stage Mist Eliminator

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

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

Table 18. Emission Limits.

EP	Pollutant	Emission Limit(s)	LCPH ATI / PTO
114	Opacity	10%	3575 / 3724
	PM/PM ₁₀	1.85 lb/hr, 8.1 tpy	

Table 19. General Emission Limits.

EP	Pollutant	Emission Limit(s)	Authority for Requirement
114	Particulate Matter	0.1 gr/dscf	567 IAC 23.3(2)"a"(2) LCO 10.9(1)"a"

Operational Limits & Requirements

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

Control Device:

A series of filters shall be installed and maintained according to manufacturer specifications in order to control particulate emissions and visible opacity.

Authority for Requirement: LCPH ATI 3575 / PTO 3724

Operation Limits:

Rolling oils considered for use in emission points 106, 113, and 114 shall have a viscosity of 4.5-8.5 cSt at 40°C ± 10%. All proposed changes of rolling oil must first be approved by the Air Quality Division, prior to use. Linn County Air Quality requests proposed changes in rolling oil lubricant be submitted in writing two weeks prior to any change of oil being implemented.

Authority for Requirement: LCPH ATI 3575 / PTO 3724

Record keeping Requirements:

A log of operation shall be maintained for the operation of the above listed unit. As a minimum the following information shall be recorded and kept on site for a period of five years. These records shall be available at all times for viewing by air pollution control personnel.

- Record monthly usage of rolling lubricants
- Lubricant viscosity

Authority for Requirement: LCPH ATI 3575 / PTO 3724

Reporting:

- Submit lubricant viscosity changes two weeks prior to implementing any change.

Authority for Requirement: LCPH ATI 3575 / PTO 3724

Monitoring Requirements

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

Stack Testing:

- Pollutant – Volatile Organic Compounds⁽¹⁾
- 1st Stack Test to be Completed by - March 16, 2011
- Test Method – 40 CFR 60, Appendix A, Method 25A*
- Authority for Requirement – 567 IAC 22.108(3)

* Or approved alternative

⁽¹⁾ PMX is to perform one stack test for VOC emissions from one of the following emission points: EP 106, 113 and 114. This one test will satisfy the testing requirements for the other two emission points. The test method used must be approved by the Department's stack testing personnel prior to testing.

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)

Opacity Monitoring:

The facility shall check the opacity weekly during a period when the emission unit on this emission point is 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 >10% 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.

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/Fuel	Rated Capacity (ton/hr)	CE ID	CE Description
120	120	Surface Milling Machine	Copper and Brass Alloy Strip	26.71	CE-120A	Cyclone
					CE-120B	Cyclone
					CE-120C	Venturi Scrubber

Applicable Requirements

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

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

Table 21. Emission Limits.

EP	Pollutant	Emission Limit(s)	LCPH ATI / PTO
120			5097 / 5138
	PM/PM ₁₀ ³	0.1 gr/dscf, 0.41 lb/hr, 1.79 tpy	

Table 22. General Emission Limits.

EP	Pollutant	Emission Limit(s)	Authority for Requirement
	Opacity	20% ⁽¹⁾	LCPH ATI 5097 / PTO 5138 LCO 10.7
120	Particulate Matter	0.1 gr/dscf	567 IAC 23.3(2)"a"(2) LCO 10.9(1)"a"

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

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 Linn County Air Quality Division and other federal or state air pollution regulatory agencies and their authorized representatives.

- 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

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Table 23. Stack Characteristics.

		Stack Characteristics				
EP	LCPH ATI / PTO	Stack Height (feet, above ground)	Discharge Style	Stack Opening (inches, dia.)	Exhaust Temp. (°F)	Exhaust Flowrate (scfm)
120	5097 / 5138	52	Vertical, unobstructed	30	69	22,035

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

Authority for Requirement: LCPH ATI 5097 / PTO 5138

Monitoring Requirements

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

Stack testing not required at this time.

Opacity Monitoring:

The facility shall check the opacity weekly during a period when the emission unit on this emission point is 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.

Authority for Requirement: LCPH ATI 5097 / PTO 5138
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 24. Associated Equipment.

EP	EU	EU Description	Raw Material/Fuel	Rated Capacity (ton/hr)	CE ID	CE Description
121	121	Chip Transfer System	Copper and Brass Chips	26.71	CE-121	Cyclone

Applicable Requirements

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

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

Table 25. Emission Limits.

EP	Pollutant	Emission Limit(s)	LCPH ATI / PTO
121	Opacity	10%	3808 / 3527
	PM ₁₀	0.30 lb/hr, 1.31 tpy	

Table 26. General Emission Limits.

EP	Pollutant	Emission Limit(s)	Authority for Requirement
121	Particulate Matter	0.1 gr/dscf	567 IAC 23.3(2)"a"(2) LCO 10.9(1)"a"

Operational Limits & Requirements

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

Operation Limits:

Airflow shall not exceed 3531 cfm. The inertial separation device (cyclone) shall be maintained in proper working condition when the chip transfer system is operating.

Authority for Requirement: LCPH ATI 3808 / PTO 3527

Monitoring Requirements

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

Stack testing not required at this time.

Opacity Monitoring:

The facility shall check the opacity weekly during a period when the emission unit on this emission point is 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 >10% 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.

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: 122

Table 27. Associated Equipment.

EP	EU	EU Description	Raw Material/Fuel	Rated Capacity (ton/hr)	CE ID	CE Description
122	122	Abrasive Grinding of Copper Alloy Slabs	Copper and Brass Alloy Strip	11.19	CE-122	Baghouse

Applicable Requirements

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

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

Table 28. Emission Limits.

EP	Pollutant	Emission Limit(s)	LCPH ATI / PTO
122	PM	0.64 lb/hr, 2.8 tpy	2689 / 2835

Table 29. General Emission Limits.

EP	Pollutant	Emission Limit(s)	Authority for Requirement
122	Opacity	20%	LCO 10.7
	Particulate Matter	0.05 gr/dscf	567 IAC 23.4(6) LCO 10.9(1)"m"

Operational Limits & Requirements

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

Compliance Monitoring:

This source shall install a pressure drop gauge to determine the pressure drop across the bags in the baghouse. This gauge should be operational at all times and be easily accessible to air pollution personnel.

Authority for Requirement: LCPH ATI 2689 / PTO 2835

Monitoring Requirements

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

Stack testing not required at this time.

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 30. Associated Equipment.**

EP	EU	EU Description	Raw Material/Fuel	Rated Capacity (ton/hr)	CE ID	CE Description
124	124	Descaler Dry Brush	Copper and Brass Alloy Strip	26.5	CE-124	Baghouse

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

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

Table 31. Emission Limits.

EP	Pollutant	Emission Limit(s)	LCPH ATI / PTO
124	PM	1.96 lb/hr, 8.58 tpy	3260 / 3961

Table 32. General Emission Limits.

EP	Pollutant	Emission Limit(s)	Authority for Requirement
124	Opacity	20%	LCPH ATI 2360 / PTO 3961 LCO 10.7
	Particulate Matter	0.1 gr/dscf	567 IAC 23.3(2)"a"(2) LCO 10.9(1)"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 3260 / PTO 3961

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 3260 / PTO 3961

Record keeping 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 3260 / PTO 3961

Monitoring Requirements

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

Stack Testing:

Pollutant – Particulate Matter

1st Stack Test to be Completed by – March 16, 2011

Test Method – Iowa Compliance Sampling Manual

Authority for Requirement – 567 IAC 22.108(3)

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)

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)

Compliance Assurance Monitoring Plan

CAM Plan for EP-124 Baghouse

I. Background

A. Emissions Unit

Description: Descaler Dry Brush
 Identification: EU 124
 Facility: PMX Industries, Inc.
 5300 Willow Creek Drive SW
 Cedar Rapids, IA 52404

B. Applicable Regulation, Emission Limit, and Monitoring Requirements

Regulation No.: LCPH PTO 3961
 Particulate emission limit: PM/PM₁₀: 1.96 lb/hr, 8.58 tpy
 Opacity emission limit: 20%

Current Monitoring requirements:

1. stack testing
2. weekly opacity (no visible emissions) readings
3. monthly production rates
4. daily pressure drop across baghouse

C. Control Technology

Pulse Jet Baghouse operated under negative pressure

II. Monitoring Approach

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

Table A – Monitoring Approach

	Indicator #1	Indicator #2
I. Indicator	Differential pressure across baghouse	Visible Emissions
Measurement Approach	Differential pressure measured across the baghouse by a magnetic pressure gauge.	Visible emissions from baghouse exhaust while EU 124 is operating.
II. Indicator Range	An excursion is defined as a differential pressure reading across the baghouse module outside the acceptable range. The acceptable range is 0.5-6 inches water. 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).	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).

III. Performance Criteria		
A. Data Representativeness	The differential pressure is measured across the baghouse.	Visible emissions observations are made at the emission point and on the external baghouse unit, system ductwork and associated components.
B. Verification of Operational Status	The pressure gauge will be calibrated, operated, and maintained according to the manufacturer's specifications.	Not applicable.
C. QA/QC Practices and Criteria	Pressure gauges will be calibrated, operated, and maintained according to the manufacturer's specifications.	The observer will be trained by PMX Industries to detect visible emissions.
D. Monitoring Frequency	The differential pressure will be inspected a minimum of once per day when the baghouse is operating.	No visible emissions (NVE) observations are made at the emission point on a weekly basis.
E. Data Collection Procedures	Results of baghouse differential pressure checks will be recorded on the Descaler Pollution Control Log. These forms will be kept a minimum of 5 years.	Results of "no visible emissions" observations are recorded on the visible emissions log and the Descaler Pollution Control Log. These forms will be kept a minimum of 5 years.

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 125**Table 33. Associated Equipment.**

EP	EU	EU Description	Raw Material/Fuel	Rated Capacity (ton/hr)	CE ID	CE Description
125	125	Acid Pickle Descaling Line	Copper & Brass Alloy Strip	25.31	CE-125	Packed Bed Scrubber

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

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

Table 34. Emission Limits.

EP	Pollutant	Emission Limit(s)	LCPH ATI / PTO
125	PM ₁₀	0.01 gr/dscf, 0.64 tpy	3168 / 2987

Table 35. General Emission Limits.

EP	Pollutant	Emission Limit(s)	Authority for Requirement
125	Opacity	20%	LCPH ATI 3168 / PTO 2987 LCO 10.7
	Particulate Matter	0.1 gr/dscf	567 IAC 23.3(2)"a"(2) LCO 10.9(1)"a"

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.

Stack testing not required at this time.

Opacity Monitoring:

The facility shall check the opacity weekly during a period when the emission unit on this emission point is 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.

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 36. Associated Equipment.**

EP	EU	EU Description	Raw Material/Fuel	Rated Capacity (ton/hr)	CE ID	CE Description
126	126	Sendzimer High Cold Rolling Mill	Copper & Brass Alloy Strip	3	-	-

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

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

Table 37. Emission Limits.

EP	Pollutant	Emission Limit(s)	LCPH ATI / PTO
126	PM ₁₀	0.857, 3.75 tpy	3008 / 4059

Table 38. General Emission Limits.

EP	Pollutant	Emission Limit(s)	Authority for Requirement
126	Opacity	20%	LCPH ATI 3008 / PTO 4059 LCO 10.7
	Particulate Matter	0.1 gr/dscf	567 IAC 23.3(2)"a"(2) LCO 10.9(1)"a"

Operational Limits & Requirements

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

Operating Limits:

Exhaust Airflow Rate: 10,000 dscfm ± 10%

An increase in airflow should be considered a modification and require a new authorization to install permit.

Authority for Requirement: LCPH ATI 3008 / PTO 4059

Record keeping:

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

- Logbook of the amount of liquid PM rolling lubricants used in this process.

Records shall be kept for no less than five years.

Authority for Requirement: LCPH ATI 3008 / PTO 4059

Reporting:

- A yearly report of lubricants shall be sent to the Air Pollution Control Division by January 31 of the following year.

Authority for Requirement: LCPH ATI 3008 / PTO 4059

Monitoring Requirements

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

Stack testing not required at this time.

Opacity Monitoring:

The facility shall check the opacity weekly during a period when the emission unit on this emission point is 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.

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: 127, 128, 144, 148

Table 39. 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 ton/hr	CE-127	Filters
	127B					
128	128				CE-128	Filters
	128B					
144	144		Natural Gas	17,156.86 cf/hr	CE-144	Filters
	144B					
148	148				CE-148	Filters
	148B					

Applicable Requirements

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

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

Table 40. Emission Limits.

EP	Pollutant	Emission Limit(s)	LCPH ATI / PTO
127	Opacity	5%	3006 / 3524 3005 / 3525
128	PM ₁₀	0.038 lb/hr, 0.17 tpy	
144	Opacity	5%	4017 / 4071 4016 / 4073
148	PM ₁₀	0.66 tpy	

Table 41. General Emission Limits.

EP	Pollutant	Emission Limit(s)	Authority for Requirement
127	Particulate Matter	0.1 gr/dscf	567 IAC 23.3(2)"a"(2)
128			LCO 10.9(1)"a"
144	SO ₂	500 ppmv	567 IAC 23.3(3)"e"
148			LCO 10.12(2)

Operational Limits & Requirements

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

Operation Limits:

- 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:

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:

Maintain filter elements in proper operating condition per manufacturer's specifications.

Authority for Requirement: LCPH ATI 4017 / PTO 4071
LCPH ATI 4016 / PTO 4071

Monitoring Requirements

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

Stack testing is not required at this time.

Opacity Monitoring:

The facility shall check the opacity weekly during a period when the emission unit on this emission point is 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 >5% 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.

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 42. Associated Equipment.

EP	EU	EU Description	Raw Material/Fuel	Rated Capacity	CE ID	CE Description
129	129	Reheating Cast Copper and Brass Alloy Slabs	Natural Gas	62745.1 cf/hr	-	-

Applicable Requirements

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

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

Table 43. Emission Limits.

EP	Pollutant	Emission Limit(s)	LCPH ATI / PTO
129	PM/PM ₁₀	0.48 lb/hr, 2.09 tpy	3007 / 2984

Table 44. General Emission Limits.

EP	Pollutant	Emission Limit(s)	Authority for Requirement
129	Opacity	20%	LCPH ATI 3007 / PTO 2894 LCO 10.7
	Particulate Matter	0.1 gr/dscf	567 IAC 23.3(2)"a"(2) LCO 10.9(1)"a"
	SO ₂	500 ppmv	567 IAC 23.3(3)"e" LCO 10.12(2)

Operational Limits & Requirements

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

Operating Limits:

Maximum Heat Input: 64 MMBtu/hr

Fuel Usage: Natural Gas Only

Authority for Requirement: LCPH ATI 3007 / PTO 2984

Reporting Requirements:

An annual report of natural gas consumption shall be submitted to the Linn County Air Pollution Control Division by January 31st for the previous years natural gas consumption.

Authority for Requirement: LCPH ATI 3007 / PTO 2984

Monitoring Requirements

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

Stack testing not required at this time.

Opacity Monitoring:

The facility shall check the opacity weekly during a period when the emission unit on this emission point is 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.

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: 133

Table 45. Associated Equipment.

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

Applicable Requirements

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

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

Table 46. Emission Limits.

EP	Pollutant	Emission Limit(s)	LCPH ATI / PTO
133	PM ₁₀	1.37 lb/hr	3507 / 3973

Table 47. General Emission Limits.

EP	Pollutant	Emission Limit(s)	Authority for Requirement
133	Opacity	20% ⁽¹⁾	LCPH ATI 3507 / PTO 3973 LCO 10.7
	Particulate Matter	0.1 gr/dscf	LCPH ATI 3507 / PTO 3973 567 IAC 23.3(2)"a"(2) LCO 10.9(1)"a"

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

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

Operating Limits:

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

- 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

Operating Condition Monitoring and Recordkeeping:

If not specified elsewhere, 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 Linn County Air Quality Division and other federal or state air pollution regulatory agencies and their authorized representatives.

- 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

Emission Point Characteristics

This emission point shall conform to the specifications listed below.

Table 48. Stack Characteristics.

		Stack Characteristics				
EP	LCPH ATI / PTO	Stack Height (feet, above ground)	Discharge Style	Stack Opening (inches, dia.)	Exhaust Temp. (°F)	Exhaust Flowrate (acfm)
133	3507 / 3973	50.73	Vertical, unobstructed	22	68	8000

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

Authority for Requirement: LCPH ATI 3507 / PTO 3973

Monitoring Requirements

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

Stack testing is not required at this time.

Opacity Monitoring:

The facility shall check the opacity weekly during a period when the emission unit on this emission point is 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.

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 49. Associated Equipment.

EP	EU	EU Description	Raw Material/Fuel	Rated Capacity	CE ID	CE Description
135	135	Diesel Emergency Generator	Diesel Fuel	135 gallon/hr	-	-
136	136	Diesel Emergency Generator	Diesel Fuel	135 gallon/hr	-	-

Applicable Requirements

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

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

Table 50. Emission Limits.

EP	Pollutant	Emission Limit(s)	LCPH ATI / PTO
135, 136	PM/PM ₁₀	2.4 lb/hr*	4482 / 4500
	NOx	71 lb/hr, 5.33 tpy	4483 / 4501

*It is assumed that all PM is PM10. Limit is based on IDNR emission factor.

Table 51. General Emission Limits.

EP	Pollutant	Emission Limit(s)	Authority for Requirement
135, 136	Opacity	20%	LCPH ATI 4482 / PTO 4500 LCO 10.7
	Particulate Matter	0.1 gr/dscf	567 IAC 23.3(2)"a"(2) LCO 10.9(1)"a"
	SO ₂	1.5 lb/mmbtu	LCO 10.12(1)"b"

Operational Limits & Requirements

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

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 Linn County Air Quality Division and other federal or state air pollution regulatory agencies and their authorized representatives.

- 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

Emission Point Characteristics

This emission point shall conform to the specifications listed below.

Table 52. Stack Characteristics.

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

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

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

Monitoring Requirements

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

Stack testing is not required at this time.

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 53. Associated Equipment.

EP	EU	EU Description	Raw Material/Fuel	Rated Capacity	CE ID	CE Description
137	137	Diesel Emergency Generator	Diesel Fuel	152 gallon/hr	-	-
138	138	Diesel Emergency Generator	Diesel Fuel	152 gallon/hr	-	-
139	139	Diesel Emergency Generator	Diesel Fuel	152 gallon/hr	-	-

Applicable Requirements

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

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

Table 54. Emission Limits.

EP	Pollutant	Emission Limit(s)	LCPH ATI / PTO
137, 138, 139	PM/PM ₁₀	2.67 lb/hr*	4484 / 4502
	NOx	50 lb/hr, 8.8 tpy	4485 / 4503 4486 / 4504

*It is assumed that all PM is PM10. Limit is based on IDNR emission factor.

Table 55. General Emission Limits.

EP	Pollutant	Emission Limit(s)	Authority for Requirement
137, 138, 139	Opacity	20%	LCPH ATI 4484 / PTO 4502 LCPH ATI 4485 / PTO 4503 LCPH ATI 4486 / PTO 4504 LCO 10.7
	Particulate Matter	0.1 gr/dscf	567 IAC 23.3(2)"a"(2) LCO 10.9(1)"a"
	SO ₂	1.5 lb/mmbtu	LCO 10.12(1)"b"

Operational Limits & Requirements

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

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 Linn County Air Quality Division and other federal or state air pollution regulatory agencies and their authorized representatives.

- 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

Emission Point Characteristics

This emission point shall conform to the specifications listed below.

Table 56. Stack Characteristics.

		Stack Characteristics				
EP	LCPH ATI / PTO	Stack Height (feet, above ground)	Discharge Style	Stack Opening (inches, dia.)	Exhaust Temp. (°F)	Exhaust Flowrate (scfm)
137	4484 / 4502	20	Vertical	14	871	6149
138	4485 / 4503	20	Vertical	14	871	6149
139	4486 / 4504	20	Vertical	14	871	6149

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

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

Monitoring Requirements

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

Stack testing not required at this time.

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

Table 57. Associated Equipment.

EP	EU	EU Description	Raw Material/Fuel	Rated Capacity	CE ID	CE Description
140	140	Continuous Annealing and Pickling Line #1	Sulfuric Acid	3.2 gallon/hr	CE-140	Packed Bed Scrubber

Applicable Requirements

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

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

Table 58. Emission Limits.

EP	Pollutant	Emission Limit(s)	LCPH ATI / PTO
140	PM ₁₀	0.51 lb/hr	4015 / 4070

Table 59. General Emission Limits.

EP	Pollutant	Emission Limit(s)	Authority for Requirement
140	Opacity	20% ⁽¹⁾	LCPH ATI 4015 / PTO 4070 LCO 10.7
	Particulate Matter	0.1 gr/dscf	LCPH ATI 4015 / PTO 4070 567 IAC 23.3(2)"a"(2) LCO 10.9(1)"a"

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

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 4015 / PTO 4070

Operating Limits:

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

- 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

Operating Condition Monitoring and Recordkeeping:

If not specified elsewhere, 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 Linn County Air Quality Division and other federal or state air pollution regulatory agencies and their authorized representatives.

- 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

Emission Point Characteristics

This emission point shall conform to the specifications listed below.

Table 60. Stack Characteristics.

		Stack Characteristics				
EP	LCPH ATI / PTO	Stack Height (feet, above ground)	Discharge Style	Stack Opening (inches, dia.)	Exhaust Temp. (°F)	Exhaust Flowrate (acfm)
140	4015 / 4070	49.15	Vertical, unobstructed	51	68	6149

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

Authority for Requirement: LCPH ATI 4015 / PTO 4070

Monitoring Requirements

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

Stack testing not required at this time.

Opacity Monitoring:

The facility shall check the opacity weekly during a period when the emission unit on this emission point is 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.

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: 141

Table 61. Associated Equipment.

EP	EU	EU Description	Raw Material/Fuel	Rated Capacity	CE ID	CE Description
141	141	Continuous Annealing and Pickling Line #2	Sulfuric Acid	7.4 gallon/hr	CE-141	Packed Bed Scrubber

Applicable Requirements

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

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

Table 62. Emission Limits.

EP	Pollutant	Emission Limit(s)	LCPH ATI / PTO
141	PM ₁₀	0.51 lb/hr	3504 / 3974

Table 63. General Emission Limits.

EP	Pollutant	Emission Limit(s)	Authority for Requirement
141	Opacity	20% ⁽¹⁾	LCPH ATI 3504 / PTO 3974 LCO 10.7
	Particulate Matter	0.1 gr/dscf	LCPH ATI 3505 / PTO 3974 567 IAC 23.3(2)"a"(2) LCO 10.9(1)"a"

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

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 3504 / PTO 3974

Operating Limits:

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

- 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 3504 / PTO 3974

Operating Condition Monitoring and Recordkeeping:

If not specified elsewhere, 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 Linn County Air Quality Division and other federal or state air pollution regulatory agencies and their authorized representatives.

- F. 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.
- G. The owner or operator shall monitor and record the differential pressure across the control device on a weekly basis.
- H. The owner or operator shall monitor and record the recirculation water flow rate on a weekly basis.
- I. The owner or operator shall monitor and record the fresh water flow rate on a weekly basis.
- J. The owner or operator shall maintain all records of maintenance and repair completed on the control device.

Authority for Requirement: LCPH ATI 3504 / PTO 3974

Emission Point Characteristics

This emission point shall conform to the specifications listed below.

Table 64. Stack Characteristics.

		Stack Characteristics				
EP	LCPH ATI / PTO	Stack Height (feet, above ground)	Discharge Style	Stack Opening (inches, dia.)	Exhaust Temp. (°F)	Exhaust Flowrate (acfm)
141	3504 / 3974	49.4	Vertical, unobstructed	51	68	3000

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

Authority for Requirement: LCPH ATI 3504 / PTO 3974

Monitoring Requirements

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

Stack testing not required at this time.

Opacity Monitoring:

The facility shall check the opacity weekly during a period when the emission unit on this emission point is 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.

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: 145

Table 65. Associated Equipment.

EP	EU	EU Description	Raw Material/Fuel	Rated Capacity (ton/hr)	CE ID	CE Description
145	145	Four Stand Tandem Mill	Copper and Brass Alloy Strip	18.47	CE-145	Mist Collector – Cartridge Filter

Applicable Requirements

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

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

Table 66. Emission Limits.

EP	Pollutant	Emission Limit(s)	LCPH ATI / PTO
145	Opacity	NVE ⁽¹⁾	3765 / 4076
	PM/PM ₁₀	0.24 lb/hr	

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

Table 67. General Emission Limits.

EP	Pollutant	Emission Limit(s)	Authority for Requirement
145	Particulate Matter	0.1 gr/dscf	LCPH ATI 3765 / PTO 4076 567 IAC 23.3(2)"a"(2) LCO 10.9(1)"a"

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

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

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 Linn County Air Quality Division and other federal or state air pollution regulatory agencies and their authorized representatives.

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

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Table 68. Stack Characteristics.

		Stack Characteristics				
EP	LCPH ATI / PTO	Stack Height (feet, above ground)	Discharge Style	Stack Opening (inches, dia.)	Exhaust Temp. (°F)	Exhaust Flowrate (acfm)
145	3765 / 4076	32.1	Vertical, unobstructed	46	89	52,374

NOTE: Unit vents indoors

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

Authority for Requirement: LCPH ATI 3765 / PTO 4076

Monitoring Requirements

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

Stack testing not required at this time.

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 69. Associated Equipment.

EP	EU	EU Description	Raw Material/Fuel	Rated Capacity	CE ID	CE Description
146	146	Degreasing PickleLine	Sulfuric Acid	8.7 gallon/hr	CE-146	Packed Bed Scrubber

Applicable Requirements

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

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

Table 70. Emission Limits.

EP	Pollutant	Emission Limit(s)	LCPH ATI / PTO
146	PM ₁₀	0.65 lb/hr	3829 / 4072

Table 71. General Emission Limits.

EP	Pollutant	Emission Limit(s)	Authority for Requirement
146	Opacity	20% ⁽¹⁾	LCPH ATI 3829 / PTO 4072 LCO 10.7
	Particulate Matter	0.1 gr/dscf	LCPH ATI 3829 / PTO 4072 567 IAC 23.3(2)"a"(2) LCO 10.9(1)"a"

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

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

Operating Limits:

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

- 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

Operating Condition Monitoring and Recordkeeping:

If not specified elsewhere, 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 Linn County Air Quality Division and other federal or state air pollution regulatory agencies and their authorized representatives.

- 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

Emission Point Characteristics

This emission point shall conform to the specifications listed below.

Table 72. Stack Characteristics.

EP	LCPH ATI / PTO	Stack Characteristics				
		Stack Height (feet, above ground)	Discharge Style	Stack Opening (inches, dia.)	Exhaust Temp. (°F)	Exhaust Flowrate (acfm)
146	3829 / 4072	59.6	Vertical, unobstructed	20	68	3766

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

Authority for Requirement: LCPH ATI 3829 / PTO 4072

Monitoring Requirements

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

Stack testing not required at this time.

Opacity Monitoring:

The facility shall check the opacity weekly during a period when the emission unit on this emission point is 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.

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: 147

Table 73. Associated Equipment.

EP	EU	EU Description	Raw Material/Fuel	Rated Capacity	CE ID	CE Description
147	147	Roller Hearth Annealing Furnace	Natural Gas	5382.35 cf/hr	-	-

Applicable Requirements

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

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

Table 74. Emission Limits.

EP	Pollutant	Emission Limit(s)	LCPH ATI / PTO
147	Opacity	< 10%	3983 / 4075
	PM ₁₀	0.076 lb/hr, 0.33 tpy	
	SO ₂	0.01 tpy	
	NOx	2.40 tpy	
	VOC	0.13 tpy	
	CO	0.48 tpy	

Table 75. General Emission Limits.

EP	Pollutant	Emission Limit(s)	Authority for Requirement
147	Particulate Matter	0.1 gr/dscf	567 IAC 23.3(2)"a"(2) LCO 10.9(1)"a"
	SO ₂	500 ppmv	567 IAC 23.3(3)"e" LCO 10.12(2)

Operational Limits & Requirements

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

Operation Limits:

- Exhaust Airflow Rate: 6000 scfm ± 10%
 - Natural Gas Consumption: 5.49 MMBtu/hr
- Airflow to the furnace shall not exceed 6000 scfm ± 10%. If this airflow is exceeded a new authorization to install/modify permit is necessary.
- Fuel use in the furnace shall be limited to natural gas only.
- Authority for Requirement: LCPH ATI 3983 / PTO 4075

Record keeping Requirements:

A log of operation shall be maintained for the operation of the above listed unit. As a minimum the following information shall be recorded and kept on site for a period of no less than three years. These records shall be available at all times for viewing by air pollution control personnel.

- Natural gas consumption based on a 12-month rolling average

Authority for Requirement: LCPH ATI 3983 / PTO 4075

Monitoring Requirements

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

Stack testing not required at this time.

Opacity Monitoring:

The facility shall check the opacity monthly during a period when the emission unit on this emission point is 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 >10% 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.

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 76. Associated Equipment.

EP	EU	EU Description	Raw Material/Fuel	Rated Capacity (ton/hr)	CE ID	CE Description
149	149	Bonding Mill – Dry Brushing	Copper and Brass Alloy Strip	23	CE-149	Baghouse

Applicable Requirements

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

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

Table 77. Emission Limits.

EP	Pollutant	Emission Limit(s)	LCPH ATI / PTO
149			4256 / 4440
	PM/PM ₁₀	0.015 gr/dscf, 3.09 lb/hr, 13.52 tpy	

Table 78. General Emission Limits.

EP	Pollutant	Emission Limit(s)	Authority for Requirement
149	Opacity	20%	LCPH ATI 4256 / PTO 4440 LCO 10.7
	Particulate Matter	0.1 gr/dscf	567 IAC 23.3(2)"a"(2) LCO 10.9(1)"a"

Operational Limits & Requirements

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

Control Device:

A baghouse dust collector shall be maintained in proper operating condition and shall be in use at all times. A pressure drop gauge shall be installed and operating in order to determine the differential pressure across the dust collector. This gauge shall be easily accessible to PMX and air pollution control personnel.

Authority for Requirement: LCPH ATI 4256 / PTO 4440

Compliance Monitoring:

The following information shall be monitored:

- Weekly pressure drop readings when in use
- Monthly production rate

Recordkeeping Requirements:

A log of operation shall be maintained for the above listed unit. The following information shall be recorded and kept on site for a period of no less than five years.

- Weekly pressure drop readings when in use
- Monthly production rate
- Any changes in operation that would affect emissions, including increases in air flow speed
- Records of all maintenance performed on the dust collector

Authority for Requirement: LCPH ATI 4256 / PTO 4440

Monitoring Requirements

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

Stack testing not required at this time.

Opacity Monitoring:

The facility shall check the opacity weekly during a period when the emission unit on this emission point is 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.

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: 151**Table 79. Associated Equipment.**

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

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

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

Table 80. Emission Limits.

EP	Pollutant	Emission Limit(s)	LCPH ATI / PTO
151	PM/PM ₁₀	0.08 lb/hr	4254 / 4441

Table 81. General Emission Limits.

EP	Pollutant	Emission Limit(s)	Authority for Requirement
151	Opacity	20% ⁽¹⁾	LCPH ATI 4254 / 4441 LCO 10.7
	Particulate Matter	0.1 gr/dscf	LCPH ATI 4254 / 4441 567 IAC 23.3(2)"a"(2) LCO 10.9(1)"a"

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

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 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 4254 / PTO 4441

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

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 Linn County Air Quality Division and other federal or state air pollution regulatory agencies and their authorized representatives.

- 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

Emission Point Characteristics

This emission point shall conform to the specifications listed below.

Table 82. Stack Characteristics.

		Stack Characteristics				
EP	LCPH ATI / PTO	Stack Height (feet, above ground)	Discharge Style	Stack Opening (inches, dia.)	Exhaust Temp. (°F)	Exhaust Flowrate (acfm)
151	4254 / 4441	20	Vertical, unobstructed	8	70	900

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

Authority for Requirement: LCPH ATI 4254 / 4441

Monitoring Requirements

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

Stack testing not required at this time.

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 83. Associated Equipment.

EP	EU	EU Description	Raw Material/Fuel	Rated Capacity	CE ID	CE Description
157	157	Parts Washer	Cleaning Solvent	280 gallons	-	-

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 Linn County Air Quality Division and other federal or state air pollution regulatory agencies and their authorized representatives.

- 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

Emission Point Characteristics

This emission point shall conform to the specifications listed below.

Table 84. Stack Characteristics.

EP	LCPH ATI / PTO	Stack Characteristics				
		Stack Height (feet, above ground)	Discharge Style	Stack Opening (inches, dia.)	Exhaust Temp. (°F)	Exhaust Flowrate (acfm)
157	4668 / 4714	10	Horizontal	18.5 x 18.5	70	1904

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

Authority for Requirement: LCPH ATI 4486 / 4504

Monitoring Requirements

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

Stack testing not required at this time.

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 85. Associated Equipment.**

EP	EU	EU Description	Raw Material/Fuel	Rated Capacity (ton/hr)	CE ID	CE Description
158	120	Milling Machine Brush Box	Copper and Brass Alloy Strip	26.71	CE-158	Baghouse

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

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

Table 86. Emission Limits.

EP	Pollutant	Emission Limit(s)	LCPH ATI / PTO
158	PM/PM ₁₀	0.73 lb/hr	4737 / 4940

Table 83. General Emission Limits.

EP	Pollutant	Emission Limit(s)	Authority for Requirement
158	Opacity	20%	LCPH ATI 4737 / PTO 4940 LCO 10.7
	Particulate Matter	0.1 gr/dscf	LCPH ATI 4737 / PTO 4940 567 IAC 23.3(2)"a"(2) LCO 10.9(1)"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 Linn County Air Quality Division and other federal or state air pollution regulatory agencies and their authorized representatives.

- 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

Emission Point Characteristics

This emission point shall conform to the specifications listed below.

Table 87. Stack Characteristics.

EP	LCPH ATI / PTO	Stack Characteristics				
		Stack Height (feet, above ground)	Discharge Style	Stack Opening (inches, dia.)	Exhaust Temp. (°F)	Exhaust Flowrate (scfm)
158	4737 / 4940	20	Vertical, unobstructed	27	70	17,000

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

Authority for Requirement: LCPH ATI 4486 / PTO 4504

Monitoring Requirements

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

Stack Testing:

- Pollutant – Particulate Matter
- Stack Test to be Completed by – March 16, 2011
- Test Method – Iowa Compliance Sampling Manual
- Authority for Requirement – 567 IAC 22.108(3)

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)

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)

Compliance Assurance Monitoring Plan

CAM Plan for EP-158 Baghouse

I. Background

A. Emissions Unit

Description: Milling Line Brush Box
 Identification: EU 120
 Facility: PMX Industries, Inc.
 5300 Willow Creek Drive SW
 Cedar Rapids, IA 52404

B. Applicable Regulation, Emission Limit, and Monitoring Requirements

Regulation No.: LCPH PTO 4940
 Particulate emission limit: PM/PM₁₀: 0.73 lb/hr
 PM: 0.1 gr/dscf
 PM₁₀: 0.005 gr/dscf
 Opacity emission limit: 20%

Current Monitoring requirements:

1. weekly opacity (no visible emissions) readings
2. daily differential pressure readings

C. Control Technology

Pulse Jet Baghouse operated under negative pressure

II. Monitoring Approach

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

Table A – Monitoring Approach

	Indicator #1	Indicator #2
I. Indicator	Differential pressure across baghouse	Visible Emissions
Measurement Approach	Differential pressure measured across the baghouse by a magnetic pressure gauge.	Visible emissions from baghouse exhaust while EU 120 is operating.
II. Indicator Range	An excursion is defined as a differential pressure reading across the baghouse module outside the acceptable range. The acceptable range is 1-6 inches water. ΔP lower than 1" 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).	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).

III. Performance Criteria		
A. Data Representativeness	The differential pressure is measured across the baghouse.	Visible emissions observations are made at the emission point and on the external baghouse unit, cyclones, system ductwork and associated components.
B. Verification of Operational Status	The pressure gauge will be calibrated, operated, and maintained according to the manufacturer's specifications.	Not applicable.
C. QA/QC Practices and Criteria	Pressure gauges will be calibrated, operated, and maintained according to the manufacturer's specifications.	The observer will be trained by PMX Industries to detect visible emissions.
D. Monitoring Frequency	The differential pressure will be inspected a minimum of once per day when the baghouse is operating.	No visible emissions (NVE) observations are made at the emission point on a weekly basis.
E. Data Collection Procedures	Results of baghouse differential pressure checks will be recorded on the Milling Line Checklist. These forms will be kept a minimum of 5 years.	Results of "no visible emissions" observations are recorded on the visible emissions log and the Milling Line Checklist. These forms will be kept a minimum of 5 years.

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 159

Table 88. Associated Equipment.

EP	EU	EU Description	Raw Material/Fuel	Rated Capacity (ton/hr)	CE ID	CE Description
159	133A	Tin Dip-Acid Flux Drying	HBr, Cu, Brass	10.91	CE-159	Cartridge Filter

Applicable Requirements

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

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

Table 89. Emission Limits.

EP	Pollutant	Emission Limit(s)	LCPH ATI / PTO
159	PM ₁₀	0.93 lb/hr	5519 / 5348

Table 90. General Emission Limits.

EP	Pollutant	Emission Limit(s)	Authority for Requirement
159	Opacity	20%	LCPH ATI 5519 / PTO 5348 LCO 10.7
	Particulate Matter	0.1 gr/dscf	LCPH ATI 5519 / 5348 567 IAC 23.3(2)"a"(2) LCO 10.9(1)"a"

Operational Limits & Requirements

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

Control Device

A cartridge filter dust collector 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 5519 / PTO 5348

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 baghouse shall be maintained between 0.2" and 8" of water column.

Authority for Requirement: LCPH ATI 5519 / PTO 5348

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 Linn County Air Quality Division and other federal or state air pollution regulatory agencies and their authorized representatives.

- 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 maintain all records of maintenance and repair completed on the control device.

Authority for Requirement: LCPH ATI 5519 / PTO 5348

Emission Point Characteristics

This emission point shall conform to the specifications listed below.

Table 91. Stack Characteristics.

EP	LCPH ATI / PTO	Stack Characteristics				
		Stack Height (feet, above ground)	Discharge Style	Stack Opening (inches, dia.)	Exhaust Temp. (°F)	Exhaust Flowrate (acfm)
159	5519 / 5348	52.4	Vertical, unobstructed	12	200	54000

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

Authority for Requirement: LCPH ATI 5519 / PTO 5348

Monitoring Requirements

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

Stack testing not required at this time.

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: 1

Table 92. Associated Equipment.

EP	EU	EU Description	Raw Material/Fuel	Rated Capacity (ton/hr)	CE ID	CE Description
1	601 - 615	Cast Shop (Charge Fed) Internally Vented	Copper and Brass Alloys	25.26	-	-
	601 - 615	Cast Shop (Castings Created) Internally Vented				

Applicable Requirements

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

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

Table 93. General Emission Limits.

EP	Pollutant	Emission Limit(s)	Authority for Requirement
1	Opacity	20%	LCO 10.7
	Particulate Matter	0.1 gr/dscf	567 IAC 23.3(2)"a"(2) LCO 10.9(1)"a"

Monitoring Requirements

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

No periodic monitoring is required at this time.

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

IV. General Conditions

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

G1. Duty to Comply

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

G2. Permit Expiration

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

G3. Certification Requirement for Title V Related Documents

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

G4. Annual Compliance Certification

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

G5. Semi-Annual Monitoring Report

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

semi-annual monitoring report shall be submitted to the director and the appropriate DNR Field office. 567 IAC 22.108 (5)

G6. Annual Fee

1. The permittee is required under subrule 567 IAC 22.106 to pay an annual fee based on the total tons of actual emissions of each regulated air pollutant. Beginning July 1, 1996, Title V operating permit fees will be paid on July 1 of each year. The fee shall be based on emissions for the previous calendar year.
2. The fee amount shall be calculated based on the first 4,000 tons of each regulated air pollutant emitted each year. The fee to be charged per ton of pollutant will be available from the department by June 1 of each year. The Responsible Official will be advised of any change in the annual fee per ton of pollutant.
3. The following forms shall be submitted annually by March 31 documenting actual emissions for the previous calendar year.
 - a. Form 1.0 "Facility Identification";
 - b. Form 4.0 "Emissions unit-actual operations and emissions" for each emission unit;
 - c. Form 5.0 "Title V annual emissions summary/fee"; and
 - d. Part 3 "Application certification."
4. The fee shall be submitted annually by July 1. The fee shall be submitted with the following forms:
 - a. Form 1.0 "Facility Identification";
 - b. Form 5.0 "Title V annual emissions summary/fee";
 - c. Part 3 "Application certification."
5. If there are any changes to the emission calculation form, the department shall make revised forms available to the public by January 1. If revised forms are not available by January 1, forms from the previous year may be used and the year of emissions documented changed. The department shall calculate the total statewide Title V emissions for the prior calendar year and make this information available to the public no later than April 30 of each year.
6. Phase I acid rain affected units under section 404 of the Act shall not be required to pay a fee for emissions which occur during the years 1993 through 1999 inclusive.
7. The fee for a portable emissions unit or stationary source which operates both in Iowa and out of state shall be calculated only for emissions from the source while operating in Iowa.
8. Failure to pay the appropriate Title V fee represents cause for revocation of the Title V permit as indicated in 567 IAC 22.115(1)"d".

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

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

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

G8. Duty to Provide Information

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

G9. General Maintenance and Repair Duties

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

1. Maintain and operate the equipment or control equipment at all times in a manner consistent with good practice for minimizing emissions.
2. Remedy any cause of excess emissions in an expeditious manner.
3. Minimize the amount and duration of any excess emission to the maximum extent possible during periods of such emissions. These measures may include but not be limited to the use of clean fuels,

production cutbacks, or the use of alternate process units or, in the case of utilities, purchase of electrical power until repairs are completed.

4. Schedule, at a minimum, routine maintenance of equipment or control equipment during periods of process shutdowns to the maximum extent possible. *567 IAC 24.2(1)*

G10. Recordkeeping Requirements for Compliance Monitoring

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

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

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

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

- a. Comply with all terms and conditions of this permit specific to each alternative scenario.
- b. Maintain a log at the permitted facility of the scenario under which it is operating.
- c. Consider the permit shield, if provided in this permit, to extend to all terms and conditions under each operating scenario. *567 IAC 22.108(4), 567 IAC 22.108(12)*

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

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

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

- a. A monitoring method approved for the source and incorporated in an operating permit pursuant to 567 Chapter 22;
- b. Compliance test methods specified in 567 Chapter 25; or
- c. Testing or monitoring methods approved for the source in a construction permit issued pursuant to 567 Chapter 22.

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

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

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

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

G13. Hazardous Release

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

G14. Excess Emissions and Excess Emissions Reporting Requirements

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

2. Excess Emissions Reporting

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

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

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

- i. The identity of the equipment or source operation point from which the excess emission originated and the associated stack or emission point.
- ii. The estimated quantity of the excess emission.
- iii. The time and duration of the excess emission.
- iv. The cause of the excess emission.
- v. The steps that were taken to remedy and to prevent the recurrence of the incident of excess emission.
- vi. The steps that were taken to limit the excess emission.
- vii. If the owner claims that the excess emission was due to malfunction, documentation to support this claim. 567 IAC 24.1(1)-567 IAC 24.1(4)

3. Emergency Defense for Excess Emissions. For the purposes of this permit, an "emergency" means any situation arising from sudden and reasonably unforeseeable events beyond the control of the source,

including acts of God, which requires immediate corrective action to restore normal operation, and that causes the source to exceed a technology-based emission limitation under the permit due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include non-compliance, to the extent caused by improperly designed equipment, lack of preventive maintenance, careless or improper operation or operator error. An emergency constitutes an affirmative defense to an action brought for non-compliance with technology based limitations if it can be demonstrated through properly signed contemporaneous operating logs or other relevant evidence that:

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

G15. Permit Deviation Reporting Requirements

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

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

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

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

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

- a. The changes are not major modifications under any provision of any program required by section 110 of the Act, modifications under section 111 of the act, modifications under section 112 of the act, or major modifications as defined in 567 IAC Chapter 22.
- b. The changes do not exceed the emissions allowable under the permit (whether expressed therein as a rate of emissions or in terms of total emissions);
- c. The changes are not modifications under any provisions of Title I of the Act and the changes do not exceed the emissions allowable under the permit (whether expressed therein as a rate of emissions or as total emissions);
- d. The changes are not subject to any requirement under Title IV of the Act.
- e. The changes comply with all applicable requirements.
- f. For such a change, the permitted source provides to the department and the administrator by certified mail, at least 30 days in advance of the proposed change, a written notification, including the following, which must be attached to the permit by the source, the department and the administrator:
 - i. A brief description of the change within the permitted facility,
 - ii. The date on which the change will occur,
 - iii. Any change in emission as a result of that change,
 - iv. The pollutants emitted subject to the emissions trade
 - v. If the emissions trading provisions of the state implementation plan are invoked, then Title V permit requirements with which the source shall comply; a description of how the emissions increases and decreases will comply with the terms and conditions of the Title V permit.

vi. A description of the trading of emissions increases and decreases for the purpose of complying with a federally enforceable emissions cap as specified in and in compliance with the Title V permit; and

vii. Any permit term or condition no longer applicable as a result of the change.

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 is required to do any of the following:

i. Correct typographical errors

ii. Identify a change in the name, address, or telephone number of any person identified in the permit, or provides a similar minor administrative change at the source;

iii. Require more frequent monitoring or reporting by the permittee; or

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

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

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

2. Minor Permit Modification.

a. Minor permit modification procedures may be used only for those permit modifications that do any of the following:

i. Do not violate any applicable requirements

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

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

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

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

vi. Are not required to be processed as significant modification.

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

- i. A description of the change, the emissions resulting from the change, and any new applicable requirements that will apply if the change occurs.
 - ii. The permittee's suggested draft permit
 - iii. Certification by a responsible official, pursuant to 567 IAC 22.107(4), that the proposed modification meets the criteria for use of a minor permit modification procedures and a request that such procedures be used; and
 - iv. Completed forms to enable the department to notify the administrator and the affected states as required by 567 IAC 22.107(7).
 - c. The permittee may make the change proposed in its minor permit modification application immediately after it files the application. After the permittee makes this change and until the director takes any of the actions specified in 567 IAC 22.112(4) "a" to "c", the permittee must comply with both the applicable requirements governing the change and the proposed permit terms and conditions. During this time, the permittee need not comply with the existing permit terms and conditions it seeks to modify. However, if the permittee fails to comply with its proposed permit terms and conditions during this time period, existing permit term terms and conditions it seeks to modify may subject the facility to enforcement action.

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

G19. Duty to Obtain Construction Permits

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

G20. Asbestos

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

G21. Open Burning

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

G22. Acid Rain (Title IV) Emissions Allowances

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

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

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

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

G24. Permit Reopenings

1. This permit may be modified, revoked, reopened, and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. *567 IAC 22.108(9)"c"*
2. Additional applicable requirements under the Act become applicable to a major part 70 source with a remaining permit term of 3 or more years. Revisions shall be made as expeditiously as practicable, but not later than 18 months after the promulgation of such standards and regulations.
 - a. Reopening and revision on this ground is not required if the permit has a remaining term of less than three years;
 - b. Reopening and revision on this ground is not required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions have been extended pursuant to 40 CFR 70.4(b)(10)(i) or (ii) as amended to May 15, 2001.
 - c. Reopening and revision on this ground is not required if the additional applicable requirements are implemented in a general permit that is applicable to the source and the source receives approval for coverage under that general permit. *567 IAC 22.108(17)"a"*, *567 IAC 22.108(17)"b"*
3. A permit shall be reopened and revised under any of the following circumstances:

- a. The department receives notice that the administrator has granted a petition for disapproval of a permit pursuant to 40 CFR 70.8(d) as amended to July 21, 1992, provided that the reopening may be stayed pending judicial review of that determination;
 - b. The department or the administrator determines that the Title V permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the Title V permit;
 - c. Additional applicable requirements under the Act become applicable to a Title V source, provided that the reopening on this ground is not required if the permit has a remaining term of less than three years, the effective date of the requirement is later than the date on which the permit is due to expire, or the additional applicable requirements are implemented in a general permit that is applicable to the source and the source receives approval for coverage under that general permit. Such a reopening shall be complete not later than 18 months after promulgation of the applicable requirement.
 - d. Additional requirements, including excess emissions requirements, become applicable to a Title IV affected source under the acid rain program. Upon approval by the administrator, excess emissions offset plans shall be deemed to be incorporated into the permit.
 - e. The department or the administrator determines that the permit must be revised or revoked to ensure compliance by the source with the applicable requirements. *567 IAC 22.114(1)*
4. Proceedings to reopen and reissue a Title V permit shall follow the procedures applicable to initial permit issuance and shall effect only those parts of the permit for which cause to reopen exists. *567 IAC 22.114(2)*

G25. Permit Shield

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

G26. Severability

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

G27. Property Rights

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

G28. Transferability

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

G29. Disclaimer

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

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

The permittee shall notify the department's stack test contact in writing not less than 30 days before a required test or performance evaluation of a continuous emission monitor is performed to determine

compliance with applicable requirements of 567 – Chapter 23 or a permit condition. For the department to consider test results a valid demonstration of compliance with applicable rules or a permit condition, such notice shall be given. Such notice shall include the time, the place, the name of the person who will conduct the test and other information as required by the department. Unless specifically waived by the department's stack test contact, a pretest meeting shall be held not later than 15 days prior to conducting the compliance demonstration. The department may accept a testing protocol in lieu of a pretest meeting. A representative of the department shall be permitted to witness the tests. Results of the tests shall be submitted in writing to the department's stack test contact in the form of a comprehensive report within six weeks of the completion of the testing. Compliance tests conducted pursuant to this permit shall be conducted with the source operating in a normal manner at its maximum continuous output as rated by the equipment manufacturer, or the rate specified by the owner as the maximum production rate at which the source shall be operated. In cases where compliance is to be demonstrated at less than the maximum continuous output as rated by the equipment manufacturer, and it is the owner's intent to limit the capacity to that rating, the owner may submit evidence to the department that the source has been physically altered so that capacity cannot be exceeded, or the department may require additional testing, continuous monitoring, reports of operating levels, or any other information deemed necessary by the department to determine whether such source is in compliance.

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

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

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

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

G31. Prevention of Air Pollution Emergency Episodes

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

G32. Contacts List

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

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

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

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

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

Field Office 1

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

Field Office 2

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

Field Office 3

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

Field Office 4

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

Field Office 5

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

Field Office 6

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

Polk County Public Works Dept.

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

Linn County Public Health Dept.

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

Appendix A: 40 CFR 60 Subpart M

Subpart M—Standards of Performance for Secondary Brass and Bronze Production Plants

§ 60.130 Applicability and designation of affected facility.

(a) The provisions of this subpart are applicable to the following affected facilities in secondary brass or bronze production plants: Reverberatory and electric furnaces of 1,000 kg (2205 lb) or greater production capacity and blast (cupola) furnaces of 250 kg/h (550 lb/h) or greater production capacity. Furnaces from which molten brass or bronze are cast into the shape of finished products, such as foundry furnaces, are not considered to be affected facilities.

(b) Any facility under paragraph (a) of this section that commences construction or modification after June 11, 1973, is subject to the requirements of this subpart.

[42 FR 37937, July 25, 1977, as amended at 49 FR 43618, Oct. 30, 1984]

§ 60.131 Definitions.

As used in this subpart, all terms not defined herein shall have the meaning given them in the Act and in subpart A of this part.

(a) *Brass or bronze* means any metal alloy containing copper as its predominant constituent, and lesser amounts of zinc, tin, lead, or other metals.

(b) *Reverberatory furnace* includes the following types of reverberatory furnaces: Stationary, rotating, rocking, and tilting.

(c) *Electric furnace* means any furnace which uses electricity to produce over 50 percent of the heat required in the production of refined brass or bronze.

(d) *Blast furnace* means any furnace used to recover metal from slag.

[39 FR 9318, Mar. 8, 1974]

§ 60.132 Standard for particulate matter.

(a) On and after the date on which the performance test required to be conducted by §60.8 is completed, no owner or operator subject to the provisions of this subpart shall discharge or cause the discharge into the atmosphere from a reverberatory furnace any gases which:

(1) Contain particulate matter in excess of 50 mg/dscm (0.022 gr/dscf).

(2) Exhibit 20 percent opacity or greater.

(b) On and after the date on which the performance test required to be conducted by §60.8 is completed, no owner or operator subject to the provisions of this subpart shall discharge or cause the discharge into the atmosphere from any blast (cupola) or electric furnace any gases which exhibit 10 percent opacity or greater.

[39 FR 9318, Mar. 8, 1974, as amended at 40 FR 46259, Oct. 6, 1975]

§ 60.133 Test methods and procedures.

(a) In conducting performance tests required in §60.8, the owner or operator shall use as reference methods and procedures the test methods in Appendix A of this part or other methods and procedures as specified in this section, except as provided in §60.8(b).

(b) The owner or operator shall determine compliance with the particulate matter standards in §60.132 as follows:

(1) Method 5 shall be used to determine the particulate matter concentration during representative periods of charging and refining, but not during pouring of part of the production cycle. The sampling time and sample volume for each run shall be at least 120 minutes and 1.80 dscm (63.6 dscf).

(2) Method 9 and the procedures in §60.11 shall be used to determine opacity.

[54 FR 6667, Feb. 14, 1989, as amended at 65 FR 61756, Oct. 17, 2000]

Appendix B: 40 CFR 63 Subpart TTTTTT

Subpart TTTTTT—National Emission Standards for Hazardous Air Pollutants for Secondary Nonferrous Metals Processing Area Sources

Source: 72 FR 73207, Dec. 26, 2007, unless otherwise noted.

Applicability and Compliance Dates
§ 63.11462 Am I subject to this subpart?

(a) You are subject to this subpart if you own or operate a secondary nonferrous metals processing facility (as defined in §63.11472) that is an area source of hazardous air pollutant (HAP) emissions.

(b) If you are an owner or operator of an area source subject to this subpart, you are exempt from the obligation to obtain a permit under 40 CFR part 70 or 71, provided you are not required to obtain a permit under 40 CFR 70.3(a) or 71.3(a) for a reason other than your status as an area source under this subpart. Notwithstanding the previous sentence, you must continue to comply with the provisions of this subpart applicable to area sources.

§ 63.11463 What parts of my plant does this subpart cover?

(a) This subpart applies to any existing or new affected source located at a secondary nonferrous metals processing facility.

(b) The affected source includes all crushing and screening operations at a secondary zinc processing facility and all furnace melting operations located at any secondary nonferrous metals processing facilities.

(c) An affected source is existing if you commenced construction or reconstruction of the affected source on or before September 20, 2007.

(d) An affected source is new if you commenced construction or reconstruction of the affected source after September 20, 2007.

§ 63.11464 What are my compliance dates?

(a) If you have an existing affected source, you must comply with the standards no later than December 26, 2007.

(b) If you have a new affected source, you must comply with this subpart according to paragraphs (b)(1) and (b)(2) of this section.

(1) If you start up your affected source on or before December 26, 2007, you must comply with this subpart no later than December 26, 2007.

(2) If you start up your affected source after December 26, 2007, you must comply with this subpart upon initial startup of your affected source.

Standards, Compliance, and Monitoring Requirements
§ 63.11465 What are the standards for new and existing sources?

(a) You must route the emissions from each existing affected source through a fabric filter or baghouse that achieves a particulate matter (PM) control efficiency of at least 99.0 percent or an outlet PM concentration limit of 0.034 grams per dry standard cubic meter (g/dscm)(0.015 grains per dry standard cubic feet (gr/dscf)).

(b) You must route the emissions from each new affected source through a fabric filter or baghouse that achieves a PM control efficiency of at least 99.5 percent or an outlet PM concentration limit of 0.023 g/dscm (0.010 gr/dscf).

§ 63.11466 What are the performance test requirements for new and existing sources?

(a) Except as specified in paragraph (b) of this section, if you own or operate an existing or new affected source, you must conduct a performance test for each affected source within 180 days of your compliance date and report the results in your notification of compliance status.

(b) If you own or operate an existing affected source, you are not required to conduct a performance test if a prior performance test was conducted within the past 5 years of the compliance date using the same methods specified in paragraph (c) of this section and you meet either of the following two conditions:

- (1) No process changes have been made since the test; or
- (2) You demonstrate that the results of the performance test, with or without adjustments, reliably demonstrate compliance despite process changes.
- (c) You must conduct each performance test according to the requirements in §63.7 and paragraphs (c)(1) and (2) of this section.
- (1) Determine the concentration of PM according to the following test methods in 40 CFR part 60, appendices:
- (i) Method 1 or 1A (Appendix A–1) to select sampling port locations and the number of traverse points in each stack or duct. Sampling sites must be located at the outlet of the control device and prior to any releases to the atmosphere.
- (ii) Method 2, 2A, 2C, 2F, or 2G (Appendices A–1 and A–2) to determine the volumetric flow rate of the stack gas.
- (iii) Method 3, 3A, or 3B (Appendix A–2) to determine the dry molecular weight of the stack gas. You may use ANSI/ASME PTC 19.10–1981, “Flue and Exhaust Gas Analyses” (incorporated by reference-see §63.14) as an alternative to EPA Method 3B.
- (iv) Method 4 (Appendix A–3) to determine the moisture content of the stack gas.
- (v) Method 5 or 17 (Appendix A–3) to determine the concentration of particulate matter (front half filterable catch only). Three valid test runs are needed to comprise a performance test.
- (2) During the test, you must operate each emissions source within ± 10 percent of its normal process rate. You must monitor and record the process rate during the test.

§ 63.11467 What are the initial compliance demonstration requirements for new and existing sources?

- (a) You must demonstrate initial compliance with the applicable standards in §63.11465 by submitting a Notification of Compliance Status in accordance with §63.11469(b).
- (b) You must conduct the inspection specified in paragraph (c) of this section and include the results of the inspection in the Notification of Compliance Status.
- (c) For each existing and new affected source, you must conduct an initial inspection of each baghouse. You must visually inspect the system ductwork and baghouse unit for leaks. Except as specified in paragraph (e) of this section, you must also inspect the inside of each baghouse for structural integrity and fabric filter condition. You must record the results of the inspection and any maintenance action as required in §63.11470.
- (d) For each installed baghouse that is in operation during the 60 days after the applicable compliance date, you must conduct the inspection specified in paragraph (c) of this section no later than 60 days after your applicable compliance date. For an installed baghouse that is not in operation during the 60 days after the applicable compliance date, you must conduct an initial inspection prior to startup of the baghouse.
- (e) An initial inspection of the internal components of a baghouse is not required if an inspection has been performed within the past 12 months.
- (f) If you own or operate an existing affected source and are not required to conduct a performance test under §63.11466, you must submit the Notification of Compliance Status within 120 days after the applicable compliance date specified in §63.11464.
- (g) If you own or operate an existing affected source and are required to conduct a performance test under §63.11466, you must submit the Notification of Compliance Status within 60 days after completing the performance test.

§ 63.11468 What are the monitoring requirements for new and existing sources?

- (a) For an existing affected source, you must demonstrate compliance by conducting the monitoring activities in paragraph (a)(1) or (a)(2) of this section:

(1) You must perform periodic inspections and maintenance of each baghouse according to the requirements in paragraphs (a)(1)(i) and (ii) of this section.

(i) You must conduct weekly visual inspections of the system ductwork for leaks.

(ii) You must conduct inspections of the interior of the baghouse for structural integrity and to determine the condition of the fabric filter every 12 months.

(2) As an alternative to the monitoring requirements in paragraph (a)(1) of this section, you may demonstrate compliance by conducting a daily 30-minute visible emissions (VE) test (i.e., no visible emissions) using EPA Method 22 (40 CFR part 60, appendix A-7).

(b) If the results of the visual inspection or VE test conducted under paragraph (a) of this section 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, you must take immediate corrective action to return the baghouse to normal operation according to the equipment manufacturer's specifications or instructions and record the corrective action taken.

(c) For each new affected source, you must install, operate, and maintain a bag leak detection system according to paragraphs (c)(1) through (3) of this section.

(1) Each bag leak detection system must meet the specifications and requirements in paragraphs (c)(1)(i) through (viii) of this section.

(i) The bag leak detection system must be certified by the manufacturer to be capable of detecting PM emissions at concentrations of 1 milligram per dry standard cubic meter (0.00044 grains per actual cubic foot) or less.

(ii) The bag leak detection system sensor must provide output of relative PM loadings. The owner or operator shall continuously record the output from the bag leak detection system using electronic or other means (e.g., using a strip chart recorder or a data logger).

(iii) The bag leak detection system must be equipped with an alarm system that will sound when the system detects an increase in relative particulate loading over the alarm set point established according to paragraph (c)(1)(iv) of this section, and the alarm must be located such that it can be heard by the appropriate plant personnel.

(iv) In the initial adjustment of the bag leak detection system, you must establish, at a minimum, the baseline output by adjusting the sensitivity (range) and the averaging period of the device, the alarm set points, and the alarm delay time.

(v) Following initial adjustment, you shall not adjust the averaging period, alarm set point, or alarm delay time without approval from the Administrator or delegated authority except as provided in paragraph (c)(1)(vi) of this section.

(vi) Once per quarter, you may adjust the sensitivity of the bag leak detection system to account for seasonal effects, including temperature and humidity, according to the procedures identified in the site-specific monitoring plan required by paragraph (c)(2) of this section.

(vii) You must install the bag leak detection sensor downstream of the fabric filter.

(viii) Where multiple detectors are required, the system's instrumentation and alarm may be shared among detectors.

(2) You must develop and submit to the Administrator or delegated authority for approval a site-specific monitoring plan for each bag leak detection system. You must operate and maintain the bag leak detection system according to the site-specific monitoring plan at all times. Each monitoring plan must describe the items in paragraphs (c)(2)(i) through (vi) of this section.

(i) Installation of the bag leak detection system;

(ii) Initial and periodic adjustment of the bag leak detection system, including how the alarm set-point will be established;

(iii) Operation of the bag leak detection system, including quality assurance procedures;

(iv) How the bag leak detection system will be maintained, including a routine maintenance schedule and spare parts inventory list;

(v) How the bag leak detection system output will be recorded and stored; and

(vi) Corrective action procedures as specified in paragraph (c)(3) of this section. In approving the site-specific monitoring plan, the Administrator or delegated authority may allow owners and operators more than 3 hours to alleviate a specific condition that causes an alarm if the owner or operator identifies in the monitoring plan this specific condition as one that could lead to an alarm, adequately explains why it is not feasible to alleviate this condition within 3 hours of the time the alarm occurs, and demonstrates that the requested time will ensure alleviation of this condition as expeditiously as practicable.

(3) For each bag leak detection system, you must initiate procedures to determine the cause of every alarm within 1 hour of the alarm. Except as provided in paragraph (c)(2)(vi) of this section, you must alleviate the cause of the alarm within 3 hours of the alarm by taking whatever corrective action(s) are necessary. Corrective actions may include, but are not limited to the following:

(i) Inspecting the fabric filter for air leaks, torn or broken bags or filter media, or any other condition that may cause an increase in PM emissions;

(ii) Sealing off defective bags or filter media;

(iii) Replacing defective bags or filter media or otherwise repairing the control device;

(iv) Sealing off a defective fabric filter compartment;

(v) Cleaning the bag leak detection system probe or otherwise repairing the bag leak detection system; or

(vi) Shutting down the process producing the PM emissions.

§ 63.11469 What are the notification requirements?

(a) You must submit the Initial Notification required by §63.9(b)(2) no later than 120 days after the applicable compliance date specified in §63.11464. The Initial Notification must include the information specified in §63.9(b)(2)(i) through (iv) and may be combined with the Notification of Compliance Status required in §63.11467 and paragraph (b) of this section if you choose to submit both notifications within 120 days.

(b) You must submit a Notification of Compliance Status in accordance with §63.9(h) and the requirements in paragraphs (c) and (d) of this section. In addition to the information required in §63.9(h)(2), §63.11466, and §63.11467, your notification must include the following certification(s) of compliance, as applicable, and signature of a responsible official:

(1) This certification of compliance by the owner or operator of an existing affected source who is relying on a previous performance test: "This facility complies with the control efficiency requirement [or the outlet concentration limit] in §63.11465 based on a previous performance test in accordance with §63.11466."

(2) This certification of compliance by the owner or operator of any new or existing affected source: "This facility has conducted an initial inspection of each control device according to the requirements in §63.11467, will conduct periodic inspections and maintenance of control devices in accordance with §63.11468, and will maintain records of each inspection and maintenance action required by §63.11470."

(3) This certification of compliance by the owner or operator of a new affected source: "This facility has an approved bag leak detection system monitoring plan in accordance with §63.11468(c)(2)."

(c) If you own or operate an affected source and are required to conduct a performance test under §63.11466, you must submit a Notification of Compliance Status, including the performance test results, before the close of business on the 60th day following the completion of the performance test.

(d) If you own or operate an affected source and are not required to conduct a performance test under §63.11466, you must submit a Notification of Compliance Status, including the results of the previous performance test, no later than 120 days after the applicable compliance date specified in §63.11464.

§ 63.11470 What are the recordkeeping requirements?

(a) You must keep the records specified in paragraphs (a)(1) and (2) of this section.

(1) As required in §63.10(b)(2)(xiv), you must keep a copy of each notification that you submitted to comply with this subpart and all documentation supporting any Initial Notification or Notification of Compliance Status that you submitted.

(2) You must keep the records of all inspection and monitoring data required by §§63.11467 and 63.11468, and the information identified in paragraphs (a)(2)(i) through (a)(2)(v) for each required inspection or monitoring.

(i) The date, place, and time;

(ii) Person conducting the activity;

(iii) Technique or method used;

(iv) Operating conditions during the activity; and

(v) Results.

(b) Your records must be in a form suitable and readily available for expeditious review, according to §63.10(b)(1).

(c) As specified in §63.10(b)(1), you must keep each record for 5 years following the date of each recorded action.

(d) You must keep each record onsite for at least 2 years after the date of each recorded action according to §63.10(b)(1). You may keep the records offsite for the remaining three years.

Other Requirements and Information

§ 63.11471 What General Provisions apply to this subpart?

Table 1 to this subpart shows which parts of the General Provisions in §§63.1 through 63.16 apply to you.

§ 63.11472 What definitions apply to this subpart?

Terms used in this subpart are defined in the Clean Air Act, in §63.2, and in this section as follows:

Bag leak detection system means a system that is capable of continuously monitoring relative particulate matter (dust loadings) in the exhaust of a baghouse to detect bag leaks and other upset conditions. A bag leak detection system includes, but is not limited to, an instrument that operates on triboelectric, light scattering, light transmittance, or other effect to continuously monitor relative particulate matter loadings.

Furnace melting operation means the collection of processes used to charge post-consumer nonferrous scrap material to a furnace, melt the material, and transfer the molten material to a forming medium.

Secondary nonferrous metals processing facility means a brass and bronze ingot making, secondary magnesium processing, or secondary zinc processing plant that uses furnace melting operations to melt post-consumer nonferrous metal scrap to make products including bars, ingots, blocks, or metal powders.

§ 63.11473 Who implements and enforces this subpart?

(a) This subpart can be implemented and enforced by the U.S. EPA or a delegated authority such as your State, local, or tribal agency. If the U.S. EPA Administrator has delegated authority to your State, local, or tribal agency, then that agency has the authority to implement and enforce this subpart. You should contact your U.S. EPA Regional Office to find out if this subpart is delegated to your State, local, or tribal agency.

(b) In delegating implementation and enforcement authority of this subpart to a State, local, or tribal agency under 40 CFR part 63, subpart E, the authorities contained in paragraph (c) of this section are retained by the Administrator of the U.S. EPA and are not transferred to the State, local, or tribal agency.

(c) The authorities that will not be delegated to State, local, or tribal agencies are listed in paragraphs (c)(1) through (4) of this section.

(1) Approval of alternatives to the applicability requirements in §63.11462 and 63.11463, the compliance date requirements in §63.11464, and the applicable standards in §63.11465.

(2) Approval of a major change to a test method under §63.7(e)(2)(ii) and (f). A “major change to test method” is defined in §63.90.

(3) Approval of a major change to monitoring under §63.8(f). A “major change to monitoring” is defined in §63.90.

(4) Approval of a major change to recordkeeping/reporting under §63.10(f). A “major change to recordkeeping/reporting” is defined in §63.90.

§ 63.11474 [Reserved]

Table 1 to Subpart TTTTTT of Part 63—Applicability of General Provisions to Subpart TTTTTT

As stated in §63.11471, you must comply with the requirements of the NESHAP General Provisions (40 CFR part 63, subpart A) shown in the following table:

Citation	Subject
63.1(a)(1)–(a)(4), (a)(6), (a)(10)–(a)(12), (b)(1), (b)(3), (c)(1), (c)(2), (c)(5), (e)	Applicability.
63.2	Definitions.
63.3	Units and Abbreviations.
63.4	Prohibited Activities and Circumvention.
63.6(a), (b)(1)–(b)(5), (b)(7), (c)(1), (c)(2), (c)(5), (e)(1), (f), (g), (i), (j)	Compliance With Standards and Maintenance Requirements.
63.7	Performance Testing Requirements
63.8(a)(1), (a)(2), (b), (c)(1)(i)–(c)(1)(ii), (c)(2), (c)(3), (f)	Monitoring Requirements.
63.9(a), (b)(1), (b)(2), (b)(5), (c), (d), (h)(1)–(h)(3), (h)(5), (h)(6), (i), (j)	Notification Requirements.
63.10(a), (b)(1), (b)(2)(vii), (b)(2)(xiv), (b)(3), (c), (f)	Recordkeeping and Reporting Requirements.
63.12	State Authority and Delegations.
63.13	Addresses.
63.14	Incorporations by Reference.
63.15	Availability of Information and Confidentiality.
63.16	Performance Track Provisions.

¹Section 63.11462(b) of this subpart exempts area sources from the obligation to obtain title V operating permits.