



State of Ohio Environmental Protection Agency

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RE: FINAL PERMIT TO INSTALL

STARK COUNTY

Application No: 15-01708

Fac ID: 1576000113

DATE: 5/20/2008

PSC Metals, Inc. Canton 62
Mike Valentine
3101 Varley Avenue SW
Canton, OH 44706

CERTIFIED MAIL

Y	TOXIC REVIEW
	PSD
	SYNTHETIC MINOR
	CEMS
	MACT
	NSPS
	NESHAPS
	NETTING
	MAJOR NON-ATTAINMENT
	MODELING SUBMITTED
	GASOLINE DISPENSING FACILITY

Enclosed please find an Ohio EPA Permit to Install which will allow you to install the described source(s) in a manner indicated in the permit. Because this permit contains several conditions and restrictions, I urge you to read it carefully.

The Ohio EPA is urging companies to investigate pollution prevention and energy conservation. Not only will this reduce pollution and energy consumption, but it can also save you money. If you would like to learn ways you can save money while protecting the environment, please contact our Office of Pollution Prevention at (614) 644-3469.

You are hereby notified that this action of the Director is final and may be appealed to the Environmental Review Appeals Commission pursuant to Section 3745.04 of the Ohio Revised Code. The appeal must be in writing and set forth the action complained of and the grounds upon which the appeal is based. The appeal must be filed with the Commission within thirty (30) days after notice of the Director's action. The appeal must be accompanied by a filing fee of \$70.00 which the Commission, in its discretion, may reduce if by affidavit you demonstrate that payment of the full amount of the fee would cause extreme hardship. Notice of the filing of the appeal shall be filed with the Director within three (3) days of filing with the Commission. Ohio EPA requests that a copy of the appeal be served upon the Ohio Attorney General's Office, Environmental Enforcement Section. An appeal may be filed with the Environmental Review Appeals Commission at the following address:

Environmental Review Appeals Commission
309 South Fourth Street, Room 222
Columbus, OH 43215

Sincerely,

Michael W. Ahern 

Michael W. Ahern, Manager
Permit Issuance and Data Management Section
Division of Air Pollution Control

CC: USEPA

Canton LAA



Permit To Install
Terms and Conditions

Issue Date: 5/20/2008
Effective Date: 5/20/2008

FINAL PERMIT TO INSTALL 15-01708

Application Number: 15-01708
Facility ID: 1576000113
Permit Fee: **\$1250**
Name of Facility: PSC Metals, Inc. Canton 62
Person to Contact: Mike Valentine
Address: 3101 Varley Avenue SW
Canton, OH 44706

Location of proposed air contaminant source(s) [emissions unit(s)]:
3101 Varley Ave. SW
Canton, Ohio

Description of proposed emissions unit(s):
PTI for the replacement of an 125 tons/hr. auto shredder at the same location as the original equipment permitted under PTI 15-01584. The only change is the no. of operating hours/yr.

The above named entity is hereby granted a Permit to Install for the above described emissions unit(s) pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this permit does not constitute expressed or implied approval or agreement that, if constructed or modified in accordance with the plans included in the application, the above described emissions unit(s) of environmental pollutants will operate in compliance with applicable State and Federal laws and regulations, and does not constitute expressed or implied assurance that if constructed or modified in accordance with those plans and specifications, the above described emissions unit(s) of pollutants will be granted the necessary permits to operate (air) or NPDES permits as applicable.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Chris Korleski
Director

Part I - GENERAL TERMS AND CONDITIONS

A. Permit to Install General Terms and Conditions

1. Compliance Requirements

The emissions unit(s) identified in this Permit to Install shall remain in full compliance with all applicable State laws and regulations and the terms and conditions of this permit.

2. Reporting Requirements

The permittee shall submit required reports in the following manner:

- a. Reports of any required monitoring and/or recordkeeping information shall be submitted to the appropriate Ohio EPA District Office or local air agency.
- b. Except as otherwise may be provided in the terms and conditions for a specific emissions unit, quarterly written reports of (a) any deviations (excursions) from emission limitations, operational restrictions, and control device operating parameter limitations that have been detected by the testing, monitoring, and recordkeeping requirements specified in this permit, (b) the probable cause of such deviations, and (c) any corrective actions or preventive measures which have been or will be taken, shall be submitted to the appropriate Ohio EPA District Office or local air agency. If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted (i.e., postmarked) quarterly by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.)

3. Records Retention Requirements

Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of five years from the date the record was created. Support information shall include, but not be limited to, all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. Such records may be maintained in computerized form.

4. Inspections and Information Requests

The Director of the Ohio EPA, or an authorized representative of the Director, may, subject to the safety requirements of the permittee and without undue delay, enter upon the premises of this source at any reasonable time for purposes of making inspections, conducting tests, examining records or reports pertaining to any emission of air

contaminants, and determining compliance with any applicable State air pollution laws and regulations and the terms and conditions of this permit. The permittee shall furnish to the Director of the Ohio EPA, or an authorized representative of the Director, upon receipt of a written request and within a reasonable time, any information that may be requested to determine whether cause exists for modifying, reopening or revoking this permit or to determine compliance with this permit. Upon verbal or written request, the permittee shall also furnish to the Director of the Ohio EPA, or an authorized representative of the Director, copies of records required to be kept by this permit.

5. Scheduled Maintenance/Malfunction Reporting

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. The malfunction of any emissions units or any associated air pollution control system(s) shall be reported to the appropriate Ohio EPA District Office or local air agency in accordance with paragraph (B) of OAC rule 3745-15-06. Except as provided in that rule, any scheduled maintenance or malfunction necessitating the shutdown or bypassing of any air pollution control system(s) shall be accompanied by the shutdown of the emissions unit(s) that is (are) served by such control system(s).

6. Permit Transfers

Any transferee of this permit shall assume the responsibilities of the prior permit holder. The appropriate Ohio EPA District Office or local air agency must be notified in writing of any transfer of this permit.

7. Air Pollution Nuisance

The air contaminants emitted by the emissions units covered by this permit shall not cause a public nuisance, in violation of OAC rule 3745-15-07.

8. Termination of Permit to Install

This Permit to Install shall terminate within eighteen months of the effective date of the Permit to Install if the owner or operator has not undertaken a continuing program of installation or modification or has not entered into a binding contractual obligation to undertake and complete within a reasonable time a continuing program of installation or modification. This deadline may be extended by up to 12 months if application is made to the Director within a reasonable time before the termination date and the party shows good cause for any such extension.

9. Construction of New Sources(s)

The proposed emissions unit(s) shall be constructed in strict accordance with the plans and application submitted for this permit to the Director of the Ohio Environmental

Protection Agency. There may be no deviation from the approved plans without the express, written approval of the Agency. Any deviations from the approved plans or the above conditions may lead to such sanctions and penalties as provided under Ohio law. Approval of these plans does not constitute an assurance that the proposed facilities will operate in compliance with all Ohio laws and regulations. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed sources cannot meet the requirements of this permit or cannot meet applicable standards.

If the construction of the proposed emissions unit(s) has already begun or has been completed prior to the date the Director of the Environmental Protection Agency approves the permit application and plans, the approval does not constitute expressed or implied assurance that the proposed facility has been constructed in accordance with the approved plans. The action of beginning and/or completing construction prior to obtaining the Director's approval constitutes a violation of OAC rule 3745-31-02. Furthermore, issuance of the Permit to Install does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. Approval of the plans in any case is not to be construed as an approval of the facility as constructed and/or completed. Moreover, issuance of the Permit to Install is not to be construed as a waiver of any rights that the Ohio Environmental Protection Agency (or other persons) may have against the applicant for starting construction prior to the effective date of the permit. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed facilities cannot meet the requirements of this permit or cannot meet applicable standards.

10. Public Disclosure

The facility is hereby notified that this permit, and all agency records concerning the operation of this permitted source, are subject to public disclosure in accordance with OAC rule 3745-49-03.

11. Applicability

This Permit To Install is applicable only to the emissions unit(s) identified in the Permit To Install. Separate Permit To Install for the installation or modification of any other emissions unit(s) are required for any emissions unit for which a Permit To Install is required.

12. Best Available Technology

As specified in OAC Rule 3745-31-05, all new sources must employ Best Available Technology (BAT). Compliance with the terms and conditions of this permit will fulfill this requirement.

13. Source Operation and Operating Permit Requirements After Completion of Construction

This facility is permitted to operate each source described by this Permit to Install for a period of up to one year from the date the source commenced operation. This permission to operate is granted only if the facility complies with all requirements contained in this permit and all applicable air pollution laws, regulations, and policies. Pursuant to OAC Chapter 3745-35, the permittee shall submit a complete operating permit application within ninety (90) days after commencing operation of the emissions unit(s) covered by this permit.

14. Construction Compliance Certification

The applicant shall provide Ohio EPA with a written certification (see enclosed form) that the facility has been constructed in accordance with the Permit to Install application and the terms and conditions of the Permit to Install. The certification shall be provided to Ohio EPA upon completion of construction but prior to startup of the source.

15. Fees

The permittee shall pay fees to the Director of the Ohio EPA in accordance with ORC section 3745.11 and OAC Chapter 3745-78. The permittee shall pay all applicable Permit to Install fees within 30 days after the issuance of this Permit to Install.

B. Permit to Install Summary of Allowable Emissions

The following information summarizes the total allowable emissions, by pollutant, based on the individual allowable emissions of each air contaminant source identified in this permit.

SUMMARY (for informational purposes only)
TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS

<u>Pollutant</u>	<u>Tons Per Year</u>
PE	15.8
Hg	0.020

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

Operations, Property, and/or Equipment - (P001) - 125 tons/hr. auto shredder equipped with water injection control(Smart water injection system which creates a steam plume) to control fugitive PE with ferrous magnetic material separation, and a Z-Box inertial separator and cyclone for control of PE.

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05(A)(3)	PE from the cyclone stack shall not exceed 0.10 gr/dscf, 7.88 lbs/hr and 15.8 tons/yr.
	Mercury (Hg) emissions shall not exceed 0.020 ton/yr. See section A.II.4 thru A.II.6
	Visible particulate emissions from any fugitive dust source shall not exceed 20% opacity, as a three-minute average, as determined in accordance with paragraph (B)(3) of OAC rule 3745-17-03.
	Visible particulate emissions from the cyclone stack shall not exceed 5% opacity, as a six-minute average.
	Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust. See sections A.2.a through A.2.d below. See sections B.1 through B.5 below.
ORC 3704.03(T)(4)	The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to the VOC emissions, SOx emissions, and NOx emissions from this air contaminant source since the uncontrolled potential to emit for each of these pollutants is less than ten tons per year.

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-17-07(A)(1) OAC rule 3745-17-07(B) OAC rule 3745-17-08(B)(3)	The emissions limitations specified by these rules are less stringent than the above-mentioned control measure requirements.

2. Additional Terms and Conditions

2.a The material handling operations that are covered by this permit and subject to the above-mentioned requirements are listed below:

- Fluff separation
- Conveyor to stockpile
- Scrap load out of shredded materials
- Storage piles

2.b The permittee shall employ best available control measures for the above-identified material handling operation(s) for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to perform the following control measures to ensure compliance:

material handling operations

control measures

- Fluff separation
- Conveyor to stockpile
- Scrap loadout of shredded materials

- Storage piles

- enclosure vented to cyclone
- windbreak/maintain moisture content
- windbreak/maintain moisture content
- windbreak/maintain moisture content

Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

2.c For each material handling operation that is not adequately enclosed, the above-identified control measures shall be implemented if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measures are necessary to ensure compliance with the above-mentioned applicable requirements. Any required implementation of the control measures shall continue during the operation of the material handling operations until further observation confirms that use of the control measures is unnecessary.

2.d Implementation of the above-mentioned control measures in accordance with the

terms and conditions of this permit is appropriate and sufficient to satisfy the requirements of OAC rule 3745-31-05(A)(3).

B. Operational Restrictions

1. Water sprays shall be operated at points necessary to ensure compliance with the visible emission limitations specified above.
2. The Smart Water Injection System, the ferrous magnetic material separation, the Z-Box inertial separation device and the cyclone shall be operated when the auto shredder is in operation.
3. The permittee shall not process any materials (including vehicles) through the hammermill where the following has not been removed:
 - a. readily accessible mercury-containing devices located in the trunk and hood of the whole vehicles; and
 - b. all combustible liquids and batteries.
4. The permittee committed to incorporate pre-legislative administrative controls through a mercury-containing convenience light switch removal program. The mercury-containing convenience light switch removal program shall be implemented whereby the permittee will remove readily accessible mercury-containing convenience light switches from whole cars delivered to the facility.
5. The maximum annual operating hours for this emissions unit when processing automobiles and white goods shall not exceed 2,500 operating hours, based upon a rolling, 12-month summation. The restriction for processing automobiles are not for the purpose of limiting PTE but for minimizing the release of Hg annually.
6. To ensure enforceability of the operational restriction in B.5 during the first 12 calendar months of operation, following the issuance of this permit, the permittee shall not exceed the operating hours' levels specified in the following table when processing automobiles and white goods:

<u>Months(s)</u>	<u>Maximum Allowable Cumulative Operating Hours</u>
1	400
1-2	750
1-3	1100
1-4	1400
1-5	1700

1-6	2000
1-7	2350
1-8	2700
1-9	3000
1-10	3350
1-11	3700
1-12	4000

After the first 12 calendar months of operation following the issuance of this permit, compliance with the annual operating hours' limitation shall be based upon a rolling, 12-month summation of the operating hours.

C. Monitoring and/or Recordkeeping Requirements

- 1. Except as otherwise provided in this section, for material handling operations that are not adequately enclosed, the permittee shall perform inspections of such operations in accordance with the following minimum frequencies:

<u>material handling operations</u>	<u>minimum inspection frequency</u>
Fluff separation	daily
Conveyor to stockpile	daily
Scrap load out	daily

- 2. The above-mentioned inspections shall be performed during representative, normal operating conditions.
- 3. The permittee may, upon receipt of written approval from the Canton local air agency, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.
- 4. An operations log shall be maintained on site.
- 5. The permittee shall maintain monthly records of the following information:
 - a. the operating hours for each month, including additional operating hours for clip production; and
 - b. the rolling, 12-month summation of the operating hours.

Also, during the first 12 calendar months of operation following the issuance of this permit, the permittee shall record the cumulative operating hours for each calendar month.

- 6. The permittee shall document and record the processing of any materials (including whole vehicles) through the hammermill where the following has not been removed:
 - a. readily accessible mercury-containing devices located in the trunk and hood of the whole vehicle;
 - b. all combustible liquids and batteries;

7. The Permit to Install for this emissions unit (P901) was evaluated based on the mercury emissions from the volume source, the shredder, and the design parameters of the shredder opening, as specified by the permittee and the manufacturer in the Permit to Install application. The Ohio EPA's "Review of New Sources of Air Toxic Emissions" policy ("Air Toxic Policy") was applied for mercury emitted by this emissions unit using data from the Permit to Install application and the SCREEN 3.0 model (or other Ohio EPA approved model). The predicted 1-hour maximum ground-level concentration from the use of the SCREEN 3.0 model was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC). The following summarizes the results of the modeling for the "worst case" pollutant(s):

Pollutant: Mercury

TLV (ug/m3): 25

Maximum Hourly Emission Rate (lbs/hr): 0.0102405

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 0.2

MAGLC (ug/m3): 0.2

Physical changes to or changes in the method of operation of the emissions unit after its installation or modification could affect the parameters used to determine whether or not the "Air Toxic Policy" is satisfied. Consequently, prior to making a change that could impact such parameters, the permittee shall conduct an evaluation to determine that the "Air Toxic Policy" will still be satisfied. If, upon evaluation, the permittee determines that the "Air Toxic Policy" will not be satisfied, the permittee will not make the change. Changes that can affect the parameters used in applying the "Air Toxic Policy" include the following:

- a. changes in the composition of the materials, or use of new materials, that would result in an increase in emissions of any pollutant with a listed TLV that was proposed in the application and modeled; and
- b. physical changes to the emissions unit or its exhaust parameters (e.g., increased/decreased exhaust flow, changes in opening height, changes in diameter of opening, etc.).

If the permittee determines that the "Air Toxic Policy" will be satisfied for the above changes, the Ohio EPA will not consider the change(s) to be a "modification" under OAC rule 3745-31-01(VV)(1)(a)(ii), and a modification of the existing Permit to Install will not be required. If the change(s) is (are) defined as a modification under other provisions of the modification definition (other than (VV)(1)(a)(ii)), then the permittee shall obtain a final Permit to Install prior to the change.

The permittee shall collect, record, and retain the following information when it conducts evaluations to determine that the changed emissions unit will still satisfy the "Air Toxic Policy:"

- a. a description of the parameters changed (new pollutants emitted, change in exhaust parameters, etc.);
- b. documentation of its evaluation and determination that the changed emissions unit still satisfies the "Air Toxic Policy"; and
- c. where computer modeling is performed, a copy of the resulting computer model runs that shows the results of the application of the "Air Toxic Policy" for the change.

D. Reporting Requirements

1. The permittee shall submit deviation reports that identify any of the following occurrences:
 - a. each day during which an inspection was not performed by the required frequency;
 - b. each instance when a control measure, that was to be performed as a result of an inspection, was not implemented;
 - c. the list of materials that were not removed from the vehicles as required:
 - i. readily accessible mercury-containing devices located in the trunk and hood of the whole vehicle;
 - ii. any combustible liquid or battery;
2. The permittee shall submit quarterly deviation (excursion) reports which identify all exceedances of the rolling, 12-month operating hours' limitation and, for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative operating hours' levels.
3. The quarterly deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

E. Testing Requirements

- 1 Compliance with the emission limitations in section A.I of the terms and conditions of this permit shall be determined in accordance with the following methods:

- a. Emissions Limitation:
Particulate emissions (PE) from the cyclone stack shall not exceed 7.88 lbs/hr.

Applicable Compliance Method:

The maximum amount of material processed will be 31.27 gross tons per hour of material exiting the shredder and entering the separation equipment.

The ferro-magnetic separation has a 95% control efficiency for trash removal. The Z-Box inertial separator has a control efficiency of 90% for trash removal. The cyclone has a control efficiency of 99% for trash removal.

The blower that draws the air through the cyclone has a 60,000 CFM capacity. The air flow from the cyclone is split and 25% of the air flow goes out the stack and 75% of the air flow is recycled through the Z-Box and cyclone. Based on emissions testing at other similar PSC Metals, Inc. auto shredders with a cyclone and recycle, the quantity of the emissions escaping through the stack is proportional to the air flow recycle percentage.

The hourly particulate emissions from the stack in pound per hour, E, shall be calculated as follows.

$$E = 31.27 \text{ gr tons/hr} \times 0.05 \text{ (magnet)} \times 0.90 \text{ (Z-Box)} \times 0.01 \text{ (cyclone)} \\ \times 0.25 \text{ (air flow recycle)} \times 2,240 \text{ lbs/gr ton}$$

$$E = 7.88 \text{ lbs PE/hr}$$

- b. Particulate emissions (PE) from the cyclone stack shall not exceed 0.10 gr/dscf.

Applicable Compliance Method:

$$7.88 \text{ lbs/hr} \times 7,000 \text{ gr/lb} \times \text{hr}/60 \text{ min} \times 1/0.25(60,000 \text{ cfm}) = 0.061 \text{ gr/dscf}$$

- c. Emissions Limitation:
PE from the cyclone stack shall not exceed 15.8 tons/yr.

Applicable Compliance Method:

Compliance shall be determined by multiplying the hourly emission rate by 4,000 hours and dividing by 2,000 pounds per ton.

$$7.88 \text{ lbs PE/hr} \times 2,500 \text{ hrs/yr} \times 1 \text{ ton}/2000 \text{ lbs} = 15.8 \text{ tons PE/yr}$$

- d. Emissions Limitation:
0.020 ton Hg/year

Applicable Compliance Method:

The annual limitation is based on an emission rate of 0.01 lb Hg per hour* which was derived from the Maximum Allowable Ground Level Concentration (MAGLC) for mercury as determined by Ohio EPA's Air Toxics Policy. The annual emission limitation is based on the hourly emission rate being multiplied by a maximum annual operating schedule of 4,000 hours and divided by a conversion factor of 1 ton per 2000 pounds. Therefore, provided compliance is shown with the annual operating hours' restriction of 4,000 for the processing of cars and white goods, and with the requirements of this permit to remove mercury-containing devices (See section B.2.a), compliance with the ton-per-year Hg limitation for this emissions unit will be assumed.

* The emission rate of 0.01 lb Hg per hour** represents 58 mercury switches per 100 automobiles at 1 gram Hg per switch with 10% of the total mercury being emitted from the shredder. **Based on 100 cars/hr = 100 Tons/hr Feed Rate
4,000 hrs/yr x 0.01 lb Hg/hr x 1 ton/2000 lbs = 0.020 ton Hg/yr

e. Emissions Limitation:

Visible particulate emissions from any fugitive dust source shall not exceed 20% opacity, as a three-minute average, as determined in accordance with paragraph (B)(3) of OAC rule 3745-17-03.

Applicable Compliance Method:

If required, compliance shall be demonstrated through visible emissions observation performed in accordance with 40 CFR Part 60, Appendix A, Method 9, and the procedures specified in OAC rule 3745-17-03(B)(3).

f. Emissions Limitation:

Visible particulate emissions from the cyclone stacks shall not exceed 5% opacity, as a six-minute average.

Applicable Compliance Method:

If required, compliance shall be demonstrated through visible emissions observation performed in accordance with 40 CFR Part 60, Appendix A, Method 9, and the procedures specified in OAC rule 3745-17-03(B)(3).

2. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:

a. The emission testing shall be conducted within 60 days after achieving the maximum production rate at which the emissions unit will be operated, but not later than 180 days after initial startup of such emissions unit.

b. The emission testing shall be conducted on the cyclone exhaust to demonstrate compliance with the lbs/hr limitation of PE. Emission testing shall also be conducted on the exhaust to demonstrate no mercury emissions exist.

- c. The following test method(s) shall be employed to demonstrate compliance with the above emissions limitations: for PE, Methods 1-5 of 40 CFR Part 60, Appendix A; and for Hg, Methods 1-4 and 29 of 40 CFR Part 60, Appendix A. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.
- d. The tests shall be conducted while the emissions unit is operating at its maximum capacity, unless otherwise specified or approved by the appropriate Canton local air agency.
- e. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Canton local air agency. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit's operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Canton local air agency's refusal to accept the results of the emission test(s).
- f. Personnel from the Canton local air agency shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.
- g. A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the Canton local air agency within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the Canton local air agency.

F. Miscellaneous Requirements

None

PSC Metals, Inc. Canton 62
PTI Application: 15-01708
Issued: 5/20/2008

Facility ID: 1576000113

SIC CODE 5093 SCC CODE 938 EMISSION S UNIT ID P001
 377
 727
 272

EMISSIONS UNIT DESCRIPTION

125 tons/hr. auto shredder equipped with water injection control(Smart water injection system which creates a steam plume) to control fugitive PE with ferrous magnetic material separation, and a Z-Box inertial separator and cyclone for control of PE.

DATE INSTALLED 5/2005

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter	attainment			7.88 lb/hr	15.7
PM ₁₀					
Sulfur Dioxide					
Organic Compounds					
Nitrogen Oxides					
Carbon Monoxide					
Lead					
Other: Air Toxics	Hg			0.01lb /hr.	0.02

APPLICABLE FEDERAL RULES:

NSPS? no NESHAP? no PSD? no OFFSET POLICY? no

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?

Enter Determination BAT is the use of smart water sprays to reduce PE and Hg emissions and the use of a Hg switch removal program and a restriction of hours of operation to minimize Hg emissions.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? yes

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? \$

TOXIC AIR CONTAMINANTS

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED*? x YES NO

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IDENTIFY THE AIR
CONTAMINANTS:

Hg
