



State of Ohio Environmental Protection Agency

Street Address:

Mailing Address:

Lazarus Gov. Center TELE: (614) 644-3020 FAX: (614) 644-2329

Lazarus Gov.  
Center

RE: **FINAL PERMIT TO INSTALL MODIFICATION** CERTIFIED MAIL  
RICHLAND COUNTY  
Application No: 03-13088

DATE: 7/24/2003

PSC Metals, Inc.  
Steve Forystek  
20521 Chagrin Boulevard  
Cleveland, OH 44122

Enclosed Please find a modification to the Ohio EPA Permit To Install referenced above which will modify the terms and conditions.

You are hereby notified that this action by the Director is final and may be appealed to the Ohio Environmental Review Appeals Commission pursuant to Chapter 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. It must be filed within thirty (30) days after the notice of the Directors action. A copy of the appeal must be served on the Director of the Ohio Environmental Protection Agency within three (3) days of filing with the Commission. 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, Ohio 43215

Sincerely

A handwritten signature in cursive script that reads "Michael W. Ahern".

Michael W. Ahern, Supervisor  
Field Operations and Permit Section  
Division of Air Pollution Control

CC: USEPA

NWDO



**Permit To Install  
Terms and Conditions**

**Issue Date: 7/24/2003  
Effective Date: 7/24/2003**

**FINAL ADMINISTRATIVE MODIFICATION OF PERMIT TO INSTALL 03-13088**

Application Number: **03-13088**  
APS Premise Number: **0370010294**  
Permit Fee: **\$250**  
Name of Facility: **PSC Metals, Inc. Forystek**  
Person to Contact: **Steve**  
Address: **20521 Chagrin Boulevard  
Cleveland, OH 44122**

Location of proposed air contaminant source(s) [emissions unit(s)]:  
**1344 Bowman Street  
Mansfield, OHIO**

Description of modification:  
**Administrative modification to PTI 03-13088 to allow for an increase in fugitive emissions for emissions unit P901.**

The above named entity is hereby granted a modification to the permit to install described above pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this modification 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 source(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 included in the application, the above described source(s) of pollutants will be granted the necessary operating permits.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

  
Director

**PSC Metals, Inc.**

Facility ID: **0370010294**

**PTI Application: 03-13088**

**Modification Issued: 7/24/2003**

## **GENERAL PERMIT CONDITIONS**

### **TERMINATION OF PERMIT TO INSTALL**

Substantial construction for installation must take place within 18 months of the effective date of this permit. 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.

### **NOTICE OF INSPECTION**

The Director of the Ohio Environmental Protection Agency, or his authorized representatives, may enter upon the premises of the above-named applicant during construction and operation at any reasonable time for the purpose of making inspections, conducting tests, or to examine records or reports pertaining to the construction, modification or installation of the source(s) of environmental pollutants identified within this permit.

### **CONSTRUCTION OF NEW SOURCES**

The proposed source(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 are inadequate or cannot meet applicable standards.

If the construction of the proposed source(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 Ohio Administrative Code (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 applicable standards.

### **PERMIT TO INSTALL FEE**

In accordance with Ohio Revised Code 3745.11, the specified Permit to Install fee must be remitted within 30 days of the effective date of this permit to install.

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### **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.

### **APPLICABILITY**

This Permit to Install is applicable only to the contaminant sources identified. Separate application must be made to the Director for the installation or modification of any other contaminant sources.

### **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.

### **PERMIT TO OPERATE APPLICATION AND OPERATION AFTER COMPLETION OF CONSTRUCTION**

If the permittee is required to apply for a Title V permit pursuant to OAC Chapter 3745-77, the permittee shall submit a complete Title V permit application or a complete Title V permit modification application within twelve (12) months after commencing operation of the emissions units covered by this permit. However, if the proposed new or modified source(s) would be prohibited by the terms and conditions of an existing Title V permit, a Title V permit modification must be obtained before the operation of such new or modified source(s) pursuant to OAC rule 3745-77-04(D) and OAC rule 3745-77-08(C)(3)(d).

If the permittee is required to apply for permit(s) pursuant to OAC Chapter 3745-35, the source(s) identified in this Permit To Install is (are) permitted to operate for a period of up to one year from the date the source(s) commenced operation. 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 source(s) covered by this permit.

### **SOURCE OPERATION 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 and regulations.

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<u>Ohio EPA Source Number</u>	<u>Source Identification Number</u>	<u>BAT Determination</u>	<u>Applicable Federal &amp; OAC Rules</u>	<u>Permit Allowable Mass Emissions and/or Control/Usage Requirements</u>
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**AIR EMISSION SUMMARY**

The air contaminant emissions units listed below comprise the Permit to Install for **PSC Metals, Inc.** located in **RICHLAND** County. The emissions units listed below shall not exceed the emission limits/control requirements contained in the table. This condition in no way limits the applicability of any other state or federal regulations. Additionally, this condition does not limit the applicability of additional special terms and conditions of this permit.

<u>Ohio EPA Source Number</u>	<u>Source Identification Description</u>	<u>BAT Determination</u>	<u>Applicable Federal &amp; OAC Rules</u>	3745-17-11
P901	Lime receiving and conveying	Use of two baghouses and compliance with the terms and conditions of this permit.	3745-31-05	

3745-17-07  
(A)(1)

3745-17-07  
(B)

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<u>Ohio EPA Source Number</u>	<u>Source Identification Number</u>	<u>BAT Determination</u>	<u>Applicable Federal &amp; OAC Rules</u>	<u>Permit Allowable Mass Emissions and/or Control/Usage Requirements</u>
Permit Allowable Mass Emissions and/or Control/Usage Requirements	0.016 gr/dscf. 8.23 pounds PE/hour, 22.52 TPYPE; 3.95 TPY Fugitive PE			
Lime Storage Building:		20 percent opacity, as a 6-minute average from baghouse exhaust stacks.		
0.01 gr/dscf, 1.07 pounds Particulate emissions (PE)/hour, 4.69 TPY PE;		20 percent opacity, as a 3-minute average from fugitive dust sources		
Charge Bucket Loading Building and Conveyor:	(*)			

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**SUMMARY**  
**TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS**

<u>Pollutant</u>	<u>Tons/Year</u>
PE	27.21
Fugitive PE	3.95

**REPORTING REQUIREMENTS**

Unless otherwise specified, reports required by the Permit to Install need only be submitted to **Ohio EPA, Northwest District Office, 347 North Dunbridge Road, Bowling Green, Ohio 43402.**

**WASTE DISPOSAL**

The owner/operator shall comply with any applicable state and federal requirements governing the storage, treatment, transport and disposal of any waste material generated by the operation of the sources.

**MAINTENANCE OF EQUIPMENT**

This source and its associated air pollution control system(s) shall be maintained regularly in accordance with good engineering practices and the recommendations of the respective manufacturers in order to minimize air contaminant emissions.

**MALFUNCTION/ABATEMENT**

In accordance with OAC RULE 3745-15-06, any malfunction of the source(s) or associated air pollution control system(s) shall be reported immediately to the **Northwest District Office, 347 North Dunbridge Road, Bowling Green, OH 43402.**

Except as provided by OAC Rule 3745-15-06(A)(3), scheduled maintenance of air pollution control equipment that requires the shutdown or bypassing of air pollution control system(s) must be accompanied by the shutdown of the associated air pollution sources.

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**AIR POLLUTION NUISANCES PROHIBITED**

The air contaminant source(s) identified in this permit may not cause a public nuisance in violation of OAC Rule 3745-15-07.

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## **ADDITIONAL SPECIAL TERMS AND CONDITIONS**

### **Introduction**

The purpose of this Permit to Install (NO. 03-3088) is to correct permitting deficiencies for an existing lime storage building and to allow for the installation of an enclosed conveyor and a charge bucket loading building by PSC Metals, Inc. This permit will include all of these emissions points under source number P901.

### **A. Applicable Emission Limitations and/or Control Requirements**

1. Lime Receiving and Handling, emissions unit P901:
  - a. Lime Storage Building:
    - i. The fabric filter shall achieve an outlet emission rate of not greater than 0.1 grain of particulate matter emissions per dry standard cubic foot of exhaust gases. This equates to a particulate matter emissions limitation from the baghouse outlet of 1.07 pounds/hour and 4.69 ton/year. The visible emissions of particulate matter shall not exceed 2 percent opacity, as a six-minute average, from the outlet.
  - b. Charge Bucket Loading Building and Conveyor:
    - i. The fabric filter shall achieve an outlet emission rate of not greater than 0.016 grain of particulate matter emissions per dry standard cubic foot of exhaust gases. This equates to a particulate matter emission limitation from each baghouse outlet of 8.23 pounds/hour and 22.52 tons/year. The visible emissions of particulate matter shall not exceed 20 percent opacity, as a six-minute average, from the outlet.
  - c. Fugitive particulate matter emissions shall be limited to 3.95 ton/year. The visible emissions of fugitive particulate matter shall not exceed 200 percent opacity as a 3-minute average.

### **B. Operational Restrictions**

1. The pressure drop across both baghouses shall be maintained within the range of 4 to 6 inches of water while the emissions unit is in operation.

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**C. Monitoring And/or Recordkeeping Requirements**

1. The permittee shall properly install, operate, and maintain equipment to monitor the pressure drop across each baghouse while the emissions unit is in operation. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual (s). The permittee shall record the pressure drop across each baghouse on daily basis.

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2. 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, if a strip-chart recorder is employed, for continuous monitoring instrumentation, and copies of all reports required by the permit. Such records may be maintained in computerized form.

**D. Reporting Requirements**

1. The permittee shall submit quarterly written reports for emissions unit P901 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 portable cause of such deviations, and (c) any corrective actions or preventive measures which have been or will be taken, shall be submitted to the Ohio EPA, Northwest District Office. 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 quarterly, i.e., 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).

**E. Testing Requirements/Compliance Method Determinations**

1. Compliance with the emission limitations listed in the Air Emission Summary of this PTI for emission unit P901 shall be determined in accordance with the following methods:

a. Emission Limitation

0.01 grain/dscf (equates to 1.07 lbs PE/hr, 4.69 TPY PE at 8760 hrs/yr) from the lime building storage baghouse.

Applicable Compliance Method

Compliance with the PE emission rate shall be determined in accordance with the test method and procedures in OAC rule 3745-17-03 (B)(10). In the absence of Ohio EPA requiring such testing, the permittee shall calculate actual PE emission rates for the unit utilizing the following equation: inlet grain loading rate (gr/scfm) x control efficiency x flow rate (ACFM).

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b. Emission Limitation

3.95 TPY fugitive PE

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Applicable Compliance Method

Compliance with the fugitive emission limitation can be shown with the AP-42 emission factors, section 11.17.4 to calculate the actual rate of fugitive emissions.

c. Emission Limitation

0.016 grain/dscf (equates to 8.23 lbs PE/hr, 22.52 TPY PE at 8760 hrs/yr) from the charge bucket loading building and conveyor baghouse

Applicable Compliance Method

Compliance with the PE emission rate shall be determined in accordance with the test method and procedures in OAC rule 3745-17-03 (B)(10). In the absence of Ohio EPA requiring such testing, the permittee shall calculate actual PE emission rates for the unit utilizing the following equation: inlet grain loading rate (gr/scfm) x control efficiency x flow rate (ACFM).

d. Emission Limitation

20 percent opacity as a 6-minute average from baghouse exhaust stacks

Applicable Compliance Method

OAC 3745-17-03 (B) (1)

e. Emission Limitation

20 percent opacity as a 3-minute average from fugitive dust sources

Applicable Compliance Method

Compliance with the fugitive visible emission limitation shall be determined by visible emissions evaluations performed using the methods and procedures specified in USEPA Method 22.

Note: No term or condition specifying a method for demonstrating compliance with any emission limitation or other requirements of this permit shall preclude the use by any person of any credible evidence to establish compliance with or a violation of this permit, the Clean Air Act, or any implementing regulations or rules

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promulgated thereunder.

**F. Miscellaneous Requirements**

None