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Facility Name: **Blast-Off Sandblasting**

Application Number: **16-1820**

Date: **December 3, 1998**

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

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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.

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.

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PERMIT TO OPERATE APPLICATION

A Permit to Operate application must be submitted to the appropriate field office for each air contaminant source in this Permit to Install. In accordance with OAC Rule 3745-35-02, the application shall be filed no later than thirty days after commencement of operation.

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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AIR EMISSION SUMMARY

The air contaminant emissions units listed below comprise the Permit to Install for **Blast-Off Sandblasting** located in **Portage** 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.

Ohio EPA Source Number	Source Identification Description	BAT Determination	Applicable Federal & OAC Rules	Permit Allowable Mass Emissions and/or Control/Usage Requirements
F001	Sandblasting operation.	Adequate enclosure of sandblasting operation such that visible emissions are not emitted to the outside air.	3745-31-05 3745-17-07 (B) 3745-17-11 Table 1 - 60 lbs/hr max. rate.	2.41 ton/year Particulate 20% opacity as a three-minute average. 0.551 lbs/hr Particulate

SUMMARY

TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS

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<u>Pollutant</u>	<u>Tons/Year</u>
Particulates	2.41

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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 **Akron Regional Air Quality Management District, 146 South High Street, Room 904, Akron, Ohio 44308.**

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.

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.

ADDITIONAL SPECIAL TERMS AND CONDITIONS

A. Applicable Emissions Limitations and/or Control Requirements

1. The permittee shall not emit more than 0.551 pounds per hour, nor 2.4 tons per year of particulate matter.
2. Visible emissions from this emissions unit shall not exceed 20 percent opacity as a 3-minute average.
3. The permittee shall employ best available control measures for the sandblasting operation(s) for the purpose of ensuring compliance with the above-mentioned

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applicable requirements. In accordance with the permittee's permit application, the permittee has committed to perform the following control measure(s) to ensure compliance:

material handling operation(s) control measure(s)

Sandblasting

Adequate enclosure,

repair or
improving
the
enclosure

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

B. Operational Restrictions

1. The permittee shall not employ more than 60 pounds of blasting materials in any one hour.
2. The permittee shall ensure the emissions unit is adequately enclosed to prior to starting sandblasting operations.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain daily records of the operating hours for this emissions unit.
2. The permittee shall collect and record the following information on a monthly basis for the coating operation:
 - a. the company identification for each blasting material employed;
 - b. the number of pounds of each blasting material employed; and,
 - c. the average hourly blasting material usage, in pounds per hour (average).

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3. The permittee shall perform daily inspections to ensure the emissions unit is fully enclosed when in operation.
4. The above-mentioned inspections shall be performed during representative, normal operating conditions.
5. The permittee shall maintain records of the following information:
 - a. the date and reason any required inspection was not performed;
 - b. the date of each inspection where it was determined by the permittee that it was necessary to implement the control measure(s);
 - c. the dates the control measure(s) was (were) implemented; and,
 - d. on a calendar quarter basis, the total number of days the control measure(s) was (were) implemented.

D. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which include the following information:
 - a. each day during which an inspection was not performed to ensure the emissions unit was adequately enclosed to prior to starting sandblasting operations; and
 - b. each instance when a control measure, that was to be performed as a result of an inspection, was not implemented.
2. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit and shall include any corrective measures taken.

E. Testing Requirements

1. compliance with the emission limitations in PTI #16-1820 shall be determined in accordance with the following

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methods:

a. Emission Limitation:

Visible emissions, 20% opacity as a 3-minute average.

Applicable Compliance Method:

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

b. Emission Limitation:

0.551 lbs/hr particulate matter.

2.4 tons per year particulate matter.

Applicable Compliance Method:

The use of the emissions factor of 0.047 pounds of PM
per pound of sand employed.
The unit is to be adequately enclosed
when in operation therefore particulate
emissions will be reduced by an
estimated 85%.

$$E = S \times 0.047 \times (1-.85)$$

Where:

E = the particulate emissions in pounds per hour.

S = the amount of sand employed in pounds per
hour.

F. Miscellaneous Requirements

None