



State of Ohio Environmental Protection Agency

**RE: FINAL PERMIT TO INSTALL
SENECA COUNTY**

CERTIFIED MAIL

Street Address:

122 S. Front Street

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

Mailing Address:

Lazarus Gov. Center
P.O. Box 1049

Application No: 03-14044

DATE: 11/13/2003

Moons Sandblasting + Painting
Terry Moon
3310 West County Road 14
New Riegel, OH 44853

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 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,

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: 11/13/2003
Effective Date: 11/13/2003**

FINAL PERMIT TO INSTALL 03-14044

Application Number: 03-14044
APS Premise Number: 0374000162
Permit Fee: **\$800**
Name of Facility: Moons Sandblasting + Painting
Person to Contact: Terry Moon
Address: 3310 West County Road 14
New Riegel, OH 44853

Location of proposed air contaminant source(s) [emissions unit(s)]:
**3310 West County Road 14
New Riegel, Ohio**

Description of proposed emissions unit(s):
Sandblasting + misc metal parts paint booth.

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

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 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.)

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.

Moons Sandblasting + Painting
PTI Application: 03-14044
Issued: 11/13/2003

Facility ID: 0374000162

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	0.24
OC	0.64

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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
F001 - Sandblasting operation with enclosure.	OAC rule 3745-31-05 (A)(3)	0.24 ton particulate emissions (PE)/yr
		20% opacity as a three-minute average
		Use of Best Available Control Measures (see A.2.a.)
	OAC rule 3745-17-08 (A)	See A.2.b.
	OAC rule 3745-17-07 (B)(1)	See A.2.c.

2. Additional Terms and Conditions

- 2.a The permittee shall employ the following Best Available Control Measures for this emissions unit for the purpose of ensuring compliance with the above mentioned applicable requirements:
 - i. all sandblasting operations shall be conducted within an enclosure; and
 - ii. upon completion of daily sandblasting operations, the company shall clean up and properly dispose of all sandblasting wastes to prevent the material from becoming airborne.
- 2.b The permittee is not located within an "Appendix A" area as identified in OAC rule 3745-17-08. Therefore, pursuant to OAC rule 3745-17-08 (A), this emissions unit is exempt from the requirements of OAC rule 3745-17-08 (B)(1).

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PTI A

Issued: 11/13/2003

Emissions Unit ID: **F001**

- 2.c** This emissions unit is exempt from the visible particulate emission limitations specified in OAC rule 3745-17-07 (B) pursuant to OAC rule 3745-17-07 (B)(11)(e).

B. Operational Restrictions

1. The maximum annual abrasive material usage in this emission unit shall not exceed 30 tons.

C. Monitoring and/or Record keeping Requirements

1. The permittee shall perform daily checks, immediately following the operation of the sandblaster and when the weather conditions allow, for visible fugitive emissions from the building enclosure. The presence or absence of visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
 - a. the color of the emissions;
 - b. whether the emissions are representative of normal operations;
 - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
 - d. any corrective actions taken to eliminate the visible emissions.
2. The permittee shall collect and record the following information for the abrasive material usage in emissions unit F001:
 - a. the monthly abrasive material usage employed, in tons per month; and
 - b. the annual, year to date abrasive material usage employed (sum of (a) for each calendar month to date from January to December), in tons per year.

D. Reporting Requirements

1. The permittee shall submit semiannual written reports which (a) identify all days during which visible fugitive emissions were observed that were not representative of normal operations from the sandblasting enclosure and (b) describe any corrective actions that were taken to reduce the abnormal emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.
2. The permittee shall submit annual deviation (excursion) reports which identify any exceedances of the 30 tons per year restriction of abrasive material used in the sandblasting operation. If no deviations occurred during the calendar year, the permittee shall submit an annual report which

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PTI A

Issued: 11/13/2003

Emissions Unit ID: **F001**

states that no deviations occurred during the calendar year. These reports shall be submitted by January 31 of each year and shall cover the previous calendar year.

Moons Sandblasting + Painting

PTI Application: 03 14044

Issued

Facility ID: 0374000162

Emissions Unit ID: F001

E. Testing Requirements

1. Compliance with the allowable emission limitations specified in Section A.1. of this permit shall be determined in accordance with the following methods:

- a. Emission Limitation:
0.24 tons PE/yr

Applicable Compliance Method:

The annual limitation was developed by multiplying the restricted throughput of abrasive material (30 TPY) by the appropriate emission factor from AP-42 Chapter 13.2.6 (9/97) (27 tons PE/1000 lbs of abrasive material) and applying a 70% control efficiency from the building enclosure. Therefore provided compliance is shown with the annual abrasive material throughput restriction, compliance with the annual limitation will be assumed.

- b. Emission Limitation:
20% opacity as a three-minute average

Applicable Compliance Method:

If required, Method 9 of 40 CFR Part 60, Appendix A shall be employed to determine compliance with the visible emission limitation.

F. Miscellaneous Requirements

None

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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
K001 - Miscellaneous metal parts paint booth with dry filtration.	OAC rule 3745-31-05 (A)(3)	<u>Coating:</u> 58.20 lbs organic compounds (OC)/day 0.58 ton OC/yr <u>Clean-up:</u> 37.50 lbs OC/month 0.06 ton OC/yr See A.2.a.
	OAC rule 3745-21-09 (U)(2)(e)(iii)	See A.2.b.

2. Additional Terms and Conditions

- 2.a The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-09 (U)(2)(e)(iii).
- 2.b The maximum daily coating usage rate shall not exceed 10 gallons of coating in any one day.

B. Operational Restrictions

None

C. Monitoring and/or Record keeping Requirements

1. The permittee shall collect and record the following information each day for the coating usage in the paint booth:
 - a. The name and identification number of each coating employed.
 - b. The volume, in gallons, of each coating employed.
 - c. The total volume, in gallons, of all the coatings employed.
2. In conjunction with the Record keeping requirements specified in Section C.1., the permittee shall collect and record the following information each month for coating and cleanup material usage in the paint booth:
 - a. The company identification for each coating and cleanup material employed.
 - b. The number of gallons of each coating and cleanup material employed.
 - c. The organic compound content of each coating and cleanup material, in pounds per gallon.
 - d. The organic compound emission rate for each coating employed, in pounds per month [(b x c) for each coating employed].
 - e. The organic compound emission rate for each cleanup material, in pounds per month [(b x c) for each cleanup material employed].
 - f. The total organic compound emission rate for all coating materials employed, in pounds per month [sum of (d) for all coatings].
 - g. The total organic compound emission rate for all cleanup materials employed, in pounds per month [sum of (e) for all cleanup materials].
 - h. The annual, year to date organic compound emissions from all coatings and cleanup materials employed [sum of (f) for coatings and sum of (g) for cleanup materials for each calendar month to date from January to December]

D. Reporting Requirements

1. The permittee shall submit annual deviation (excursion) reports which identify any and all

exceedances of the following:

- a. The annual coating emission limitation of 0.58 ton OC/yr.
- b. The annual cleanup emission limitation of 0.06 ton OC/yr.

If no deviations occurred during the calendar year, the permittee shall submit an annual report which states that no deviations occurred during the calendar year. These reports shall be submitted by January 31 of each year and shall cover the previous calendar year.

Emissions Unit ID: **K001**

2. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any daily record showing that the coating line employed more than the applicable maximum daily coating usage limit. The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office or local air agency) within 45 days after the exceedance occurs.

E. Testing Requirements

1. Compliance with the allowable emission limitations specified in Section A.1. of this permit shall be determined in accordance with the following methods:

- a. Emission Limitation: Coating
58.20 lbs OC/day & 0.58 ton OC/yr

Applicable Compliance Method:

The daily emission limitation is based on the emission unit's potential to emit*. Therefore, no daily recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance.

*The potential to emit for this emissions unit was developed by multiplying a maximum VOC content of 5.82 lbs VOC/gallon of coating by the maximum daily gallon usage of 10 gallons.

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The annual emission limitation was developed by multiplying a VOC content of 5.82 lbs VOC/gallon of coating by a maximum annual gallon usage of 200 gallons. The permittee shall demonstrate compliance with this emission limitation in accordance with the Record keeping requirements specified in Section C.2.

- b. Emission Limitation: Cleanup
37.50 lbs OC/month & 0.06 ton OC/yr

Applicable Compliance Method:

The daily emission limitation was developed by multiplying a VOC content of 7.50 lbs VOC/gallon of clean up by a maximum monthly gallon usage of 5 gallons. The permittee shall demonstrate compliance with this emission limitation in accordance with the Record keeping requirements specified in Section C.2.

The annual emission limitation was developed by multiplying a VOC content of 7.50 lbs VOC/gallon of coating by a maximum annual gallon usage of 20 gallons. The permittee shall demonstrate compliance with this emission limitation in accordance with the Record keeping

requirements specified in Section C.2.

- c. Emission Limitation:
less than 10 gallons of coating/day

Applicable Compliance Method:

The permittee shall demonstrate compliance with this emission limitation in accordance with the Record keeping requirements specified in Section C.1.

F. Miscellaneous Requirements

None