



Street Address:

State of Ohio Environmental Protection Agency

Mailing Address:

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

Lazarus Gov.  
Center

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

**CERTIFIED MAIL**

**Application No: 02-13622**

**DATE: March 22, 2000**

The Gradall Orrville Co  
Joyce Kolakowski  
406 Mill Ave SW  
New Philadelphia, OH 44663

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 Director's 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  
236 East Town Street, Room 300  
Columbus, Ohio 43215

Very truly yours,

Thomas G. Rigo, Manager  
Field Operations and Permit Section  
Division of Air Pollution Control

CC: USEPA

NEDO



STATE OF OHIO ENVIRONMENTAL PROTECTION AGENCY

**Permit To Install  
Terms and Conditions**

**Issue Date: March 22, 2000  
Effective Date: March 22, 2000**

**FINAL PERMIT TO INSTALL 02-13622**

Application Number: 02-13622  
APS Premise Number: 0285010292  
Permit Fee: **\$4000**  
Name of Facility: The Gradall Orrville Co  
Person to Contact: Joyce Kolakowski  
Address: 406 Mill Ave SW  
New Philadelphia, OH 44663

Location of proposed air contaminant source(s) [emissions unit(s)]:  
**600 East Chestnut St  
Orrville, Ohio**

Description of proposed emissions unit(s):  
**Lift vehicle assembly and painting facility.**

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

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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 Related to Monitoring and Recordkeeping 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 are inadequate 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 prove to be inadequate 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 application must be made to the Director for the installation or modification of any other emissions unit(s).

**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 thirty (30) days after commencing operation of the emissions unit(s) covered by this permit.

**14. Construction Compliance Certification**

**The Gradall Orrville Co**  
**PTI Application: 02-13622**  
**March 22, 2000**

**Facility ID: 0285010292**

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)**

<u>Pollutant</u>	<u>Tons Per Year</u>
PM	0.95
S02	0.075
N0x	12.5
CO	10.54
VOC	97.75
HAP	9.5
Total HAPs	24.5

**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>
Process heat sources	OAC rule 3745-31-05	2.86 lb/hr and 12.5 tons/yr NOx
		0.22 lb/hr and 0.95 ton/yr PE
		2.41 lb/hr and 10.54 ton/yr CO
		0.017 lb/hr and 0.075 tons/yr SO2
		0.16 lb/hr and 0.7 ton/yr OC
	OAC rule 3745-17-07	20 % opacity as a 6 minute average

**2. Additional Terms and Conditions**

- 2.a None.

**B. Operational Restrictions**

- 1. The permittee shall burn only natural gas in this emissions unit.

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

- 1. For each day during which the permittee burns a fuel other than natural gas, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

#### D. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

#### E. Testing Requirements

1. Compliance with the emission limitation(s) in Section A. of these terms and condition shall be determined in accordance with the following method(s):

- a. Emission Limitation:  
2.86 lb/hr and 12.5 ton/yr NO<sub>x</sub>

Applicable Compliance Method:-

Compliance shall be based on a one time calculation by using emission factors from AP-42, Section 1.4 for natural gas combustion and the maximum capacity of the gas burners.

$$E(\text{NO}_x) = 29.8 \text{ MMBTU/hr} \times 100 \text{ lb NO}_x/\text{MMcu.ft}(\text{AP-42}) \times 1 \text{ cu.ft}/1040\text{BTU}(\text{nat.gas}) \times 8760 \text{ hr/yr.}$$

- b. Emission Limitation:  
0.22 lb/hr and 0.95 ton/yr PE

Applicable Compliance Method:

Compliance shall be based on a one time calculation by using emission factors from AP-42, Section 1.4 for natural gas combustion and the maximum capacity of the gas burners.

$$E(\text{PE}) = 29.8 \text{ MMBTU/hr} \times 7.6 \text{ lb NO}_x/\text{MMcu.ft}(\text{AP-42}) \times 1 \text{ cu.ft}/1040\text{BTU}(\text{nat.gas}) \times 8760 \text{ hr/yr.}$$

- c. Emission Limitation:  
2.41 lbs/hr and 10.54 ton/yr CO

Applicable Compliance Method:

Compliance shall be based on a one time calculation by using emission factors from AP-42, Section 1.4 for natural gas combustion and the maximum capacity of the gas burners.

$$E(\text{CO}) = 29.8 \text{ MMBTU/hr} \times 84 \text{ lb NO}_x/\text{MMcu.ft}(\text{AP-42}) \times 1 \text{ cu.ft}/1040\text{BTU}(\text{nat.gas}) \times 8760 \text{ hr/yr.}$$

- d. Emission Limitation:

**The Gr  
PTI Ap  
March 22, 2000**

Emissions Unit ID: **B009**

0.017 lb/hr and 0.075 ton/yr SO<sub>2</sub>

Applicable Compliance Method:

Compliance shall be based on a one time calculation by using emission factors from AP-42, Section 1.4 for natural gas combustion and the maximum capacity of the gas burners.

$$E(\text{SO}_2) = 29.8 \text{ MMBTU/hr} \times 0.6 \text{ lb NO}_x/\text{MMcu.ft}(\text{AP-42}) \times 1 \text{ cu.ft}/1040\text{BTU}(\text{nat.gas}) \times 8760 \text{ hr/yr.}$$

- e. Emission Limitation:  
0.16 lb/hr and 0.7 ton/yr OC

Applicable Compliance Method:

Compliance shall be based on a one time calculation by using emission factors from AP-42, Section 1.4 for natural gas combustion and the maximum capacity of the gas burners.

$$E(\text{OC}) = 29.8 \text{ MMBTU/hr} \times 5.5 \text{ lb NO}_x/\text{MMcu.ft}(\text{AP-42}) \times 1 \text{ cu.ft}/1040\text{BTU}(\text{nat.gas}) \times 8760 \text{ hr/yr.}$$

- f. Emission Limitation:  
20% opacity as a six-minute average

Applicable Compliance Method:

OAC rule 3745-17-03(B)(1), if requested.

**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>
Touch-up Booth and Misc. Parts Washing	OAC rule 3745-21-09(U)(1)(c)	See A.2.a.
	OAC rule 3745-35-07(B)	See A.2.b. and c.
	OAC rule 3745-21-07(G)(2)	Emissions of organic compounds shall not exceed 8 pounds per hour and 40 pounds per day from miscellaneous parts washing.
	OAC rule 3745-31-05(A)(3)	Equivalent to OAC rule 3745-35-07(B)

**2. Additional Terms and Conditions**

- 2.a The volatile organic compound (VOC) content shall not exceed 3.5 pounds of VOC per gallon of coating, excluding water and exempt solvent(s), on a daily volume-weighted average, for extreme performance coatings.
- 2.b The emissions from emissions unit K001 shall not exceed 3.6 tons as a rolling, 12-month summation of VOC.
- 2.c The permittee shall limit emissions from the K001, K002, and K003 to:
  - i. 627 lbs/day and 97.75 tons per rolling 12-month period of VOC;
  - ii. 0.8 ton/month and 9.5 tons/year of any individual HAP; and

- iii. 2.04 tons/month and 24.5 tons/year of total combined HAPS.

**B. Operational Restrictions**

1. The permittee shall limit coating or solvent usage for this emissions unit (K001) for each of the following materials to:

Touch-up coatings	917 gallons as a rolling, 12-month summation
Miscellaneous parts washing	625 gallons as a rolling, 12-month summation

2. To ensure enforceability during the first 12 calendar months of operation following the issuance of this permit, the permittee shall not exceed the coating usage levels specified in the following table for the primer:

Month(s)	Maximum Allowable Cumulative Coating Usage	Maximum Allowable parts wash Usage
1	304	208
1-2	304	208
1-3	304	208
1-4	304	208
1-5	380	260
1-6	456	312
1-7	532	364
1-8	608	416
1-9	684	468
1-10	760	520
1-11	836	572
1-12	917	625

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

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

1. The permittee shall collect and record the following information for each day for the miscellaneous parts washing:
  - a. The company identification for each coating and photochemically reactive cleanup material employed.

**The Gradall Orrville Co**  
**PTI Application 03-12622**  
**March**

**Facility ID: 0285010292**

Emissions Unit ID: **K001**

- b. The number of gallons of each coating and photochemically reactive cleanup material employed.

- c. The organic compound content of each coating and photochemically reactive cleanup material, in pounds per gallon.
  - d. The total organic compound emission rate for all coatings and photochemically reactive cleanup materials, in pounds per day.
  - e. The total number of hours the emissions unit was in operation.
  - f. The average hourly organic compound emission rate for all coatings and photochemically reactive cleanup materials, i.e., (d)/(e), in pounds per hour (average).
2. The permittee shall collect and record the following information each day for the touch-up booth portion of this emissions unit:
- a. The name and identification number of each coating, as applied.
  - b. The VOC content of each coating, as applied, in pounds per gallon.
  - c. The number of gallons of each coating employed.
  - d. The name and identification of each cleanup material employed.
  - e. The number of gallons of each cleanup material employed.
  - f. The VOC content of each cleanup material, in pounds per gallon.
  - g. The total VOC emissions from all coatings and cleanup materials employed, in pounds or tons.
  - h. The daily volume-weighted average VOC content of all coatings used as extreme performance coatings, as applied, calculated in accordance with the equation specified in paragraph (B)(9) of OAC rule 3745-21-10 for CVOC,2.
3. The permittee shall collect and record the following information each month for this emissions unit:
- a. The name and identification number of each coating, as applied.
  - b. The individual Hazardous Air Pollutant (HAP)1 content for each HAP of each coating in pounds of individual HAP per gallon of coating, as applied.

- c. The total combined Hazardous Air Pollutant (HAP) content for each HAP of each coating in pounds of combined HAPs per gallon of coating, as applied (sum all the individual HAP contents from b).
  - d. The number of gallons of each coating employed.
  - e. The name and identification of each cleanup material employed.
  - f. The individual HAP content for each HAP of each cleanup material in pounds of individual HAP per gallon of cleanup material, as applied.
  - g. The total combined HAP content of each cleanup material in pounds of combined HAPs per gallon of cleanup material, as applied (sum all the individual HAP contents from f).
  - h. The number of gallons of each cleanup material employed.
  - i. The total individual HAP emissions for each HAP from all coatings and cleanup materials employed, in pounds or tons per month and pounds or tons per rolling 12 month period (for each HAP the sum of b times d for each coating and the sum of f times h for each cleanup material).
  - j. The total combined HAP emissions from all coatings and cleanup materials employed, in pounds or tons per month and pounds or tons per rolling 12 month period (the sum of c times d for each coating plus the sum of g times h for each cleanup material).
  - k. The rolling 12-month summation of monthly VOC emissions.
3. A listing of the Hazardous Air Pollutants (HAPs) can be found in Section 112(b) of the Clean Air Act or can be obtained by contacting your Ohio EPA field office or local air agency contact. Material Safety Data Sheets typically include a listing of the solvents contained in the coatings or cleanup materials. This information does not have to be kept on a line-by-line basis.
  4. The permittee shall collect and record for each month for emissions units K001-K003, the rolling 12-month summation of monthly VOC emissions.

#### **D. Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports which include the following information:
  - a. An identification of each day during which the average hourly organic compound

Emissions Unit ID: **K001**

emissions from the miscellaneous parts washing and photochemically reactive cleanup materials exceeded 8 pounds per hour, and the actual average hourly organic compound emissions for each such day.

- b. An identification of each day during which the organic compound emissions from the miscellaneous parts washing and photochemically reactive cleanup materials exceeded 40 pounds per day, and the actual organic compound emissions for each such day.
2. The permittee shall notify the Director (the Ohio EPA Northeast District Office ) in writing of any daily record for the touch-up coating operation showing that the daily volume-weighted average VOC content(s) exceed(s) the applicable limitation(s). The notification shall include a copy of such record and shall be sent to the Director (the Ohio EPA Northeast District Office) within 30 days after the exceedance occurs.
  3. The permittee shall notify the Director of any monthly record showing any deviation from the following:
    - a. The individual HAP emissions limitation for each HAP from all coatings and cleanup materials employed, in pounds or tons per month and pounds or tons per rolling 12 month period.
    - b. The total combined HAP emissions from all coatings and cleanup materials employed, in pounds or tons per month and pounds or tons per rolling 12 month period.
    - c. Exceedances of the rolling, coating usage limitation and, for the first 12 calendar months of operation , all exceedances of the maximum allowable cumulative coating usage levels.

These reports shall include a description of the deviation, as well as the corrective actions that were taken to achieve compliance. The permittee shall submit annual reports which identify all exceedances of the above limitations, as well as the corrective actions that were taken to achieve compliance. These reports shall be submitted by January 31 of each year.

#### **E. Testing Requirements**

1. Compliance with the emission limitation(s) in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):
  - a. Emission Limitation:  
  
8 pounds OC per hour 40 pounds OC per day for miscellaneous parts washing  
  
Applicable Compliance Method:

Compliance shall be based upon the recordkeeping specified in Section C.1.

b. Emission Limitation :

3.5 lbs VOC/gallon coating excluding water and exempt solvents, as a daily volume-weighted average for extreme performance coatings.

Applicable Compliance Method:

OAC rule 3745-21-10(B). USEPA Methods 24 and 24A shall be used to determine the VOC contents for (a) coatings and (b) flexographic and rotogravure printing inks and related coatings, respectively. If, pursuant to section 4.3 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 or 24A cannot be used for a particular coating or ink, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating or ink to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24 or 24A.

c. Emission Limitation :

3.6 tons as a rolling, 12-month summation of VOC.

Applicable Compliance Method:

Compliance shall be based upon the recordkeeping specified in Section C.2.

d. Emission Limitation :

i. 627 lbs/day and 97.75 tons per rolling 12-month period of VOC;

ii. 0.8 ton/month and 9.5 tons/year of any individual HAP; and

iii. 2.04 tons/month and 24.5 tons/year of total combined HAPS.

Applicable Compliance Method:

Compliance shall be based upon the recordkeeping specified in Section C.1., C.2., C.3, and C.4.

**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>
Primer Booth K002	OAC rule 3745-21-09(U)(1)(c)	See A.2.a.
	OAC rule 3745-35-07(B)	See A.2.b. and c.
	OAC rule 3745-31-05(A)(3)	Equivalent to OAC rule 3745-35-07(B)

**2. Additional Terms and Conditions**

**2.a** The volatile organic compound (VOC) content shall not exceed 3.5 pounds of VOC per gallon of coating, excluding water and exempt solvent(s), on a daily volume-weighted average, for extreme performance coatings.

**2.b** The emissions from emissions unit K002 shall not exceed 337.2 pounds per day and 52.6 tons as a rolling, 12-month summation of VOC.

**2.c** The permittee shall limit emissions from the K001, K002, and K003 to:

- i. 627 lbs/day and 97.75 tons as a rolling 12-month summation of VOC;
- ii. 0.8 ton/month and 9.5 tons as a rolling, 12-month summation of any individual HAP; and
- iii. 2.04 tons/month and 24.5 tons as a rolling, 12-month summation of total combined HAPS.

**B. Operational Restrictions**

- 1. The permittee shall limit coating or solvent usage for this emissions unit (K002) for each of the following materials to:

Primer- 30066 gallons as a rolling 12- month summation.

- 2. To ensure enforceability during the first 12 calendar months of operation following the issuance of this permit, the permittee shall not exceed the coating usage levels specified in the following table for the primer:

Month(s)	Maximum Allowable Cumulative Coating Usage
1	2,506
1-2	5,012
1-3	7,518
1-4	10,024
1-5	12,530
1-6	15,036
1-7	17,542
1-8	20,048
1-9	22,554
1-10	25,060
1-11	27,566
1-12	30,066

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

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

- 1. The permittee shall collect and record the following information each day for this emissions unit:
  - a. The name and identification number of each coating, as applied.
  - b. The VOC content of each coating, as applied, in pounds per gallon.
  - c. The number of gallons of each coating employed.

- d. The name and identification of each cleanup material employed.
  - e. The number of gallons of each cleanup material employed.
  - f. The VOC content of each cleanup material, in pounds per gallon.
  - g. The total VOC emissions from all coatings and cleanup materials employed, in pounds or tons.
  - h. The daily volume-weighted average VOC content of all coatings used as extreme performance coatings, as applied, calculated in accordance with the equation specified in paragraph (B)(9) of OAC rule 3745-21-10 for CVOC,2.
2. The permittee shall collect and record the following information each month for this emissions unit:
- a. The name and identification number of each coating, as applied.
  - b. The individual Hazardous Air Pollutant (HAP) content for each HAP of each coating in pounds of individual HAP per gallon of coating, as applied.
  - c. The total combined Hazardous Air Pollutant (HAP) content for each HAP of each coating in pounds of combined HAPs per gallon of coating, as applied (sum all the individual HAP contents from b).
  - d. The number of gallons of each coating employed.
  - e. The name and identification of each cleanup material employed.
  - f. The individual HAP content for each HAP of each cleanup material in pounds of individual HAP per gallon of cleanup material, as applied.
  - g. The total combined HAP content of each cleanup material in pounds of combined HAPs per gallon of cleanup material, as applied (sum all the individual HAP contents from f).
  - h. The number of gallons of each cleanup material employed.
  - i. The total individual HAP emissions for each HAP from all coatings and cleanup materials employed, in pounds or tons per month and pounds or tons per rolling 12 month period (for each

**The Gradall Orrville Co**  
**PTI Application 02-1262**  
**March**

**Facility ID: 0285010292**

Emissions Unit ID: **K002**

HAP the sum of b times d for each coating and the sum of f times h for each cleanup material).

j. The total combined HAP emissions from all coatings and cleanup materials employed, in pounds or tons per month and pounds or tons per rolling 12 month period (the sum of c times d for each coating plus the sum of g times h for each cleanup material).

k. The rolling 12-month summation of monthly VOC emissions.

3. A listing of the Hazardous Air Pollutants (HAPs) can be found in Section 112(b) of the Clean Air Act or can be obtained by contacting your Ohio EPA field office or local air agency contact. Material Safety Data Sheets typically include a listing of the solvents contained in the coatings or cleanup materials. This information does not have to be kept on a line-by-line basis.

4. The permittee shall collect and record for each month for emissions units K001-K003, the rolling 12- month summation of monthly VOC emissions.

#### **D. Reporting Requirements**

1. The permittee shall notify the Director (the Ohio EPA Northeast District Office ) in writing of any daily record showing that the daily volume-weighted average VOC content(s) exceed(s) the applicable limitation(s). The notification shall include a copy of such record and shall be sent to the Director (the Ohio EPA Northeast District Office) within 30 days after the exceedance occurs.

2. The permittee shall notify the Director (the Ohio EPA Northeast District Office ) in writing of any daily record showing that the daily volume-weighted average VOC content(s) exceed(s) the applicable limitation(s). The notification shall include a copy of such record and shall be sent to the Director (the Ohio EPA Northeast District Office) within 30 days after the exceedance occurs.

3. The permittee shall notify the Director of any monthly record showing any deviation from the following:

a. The individual HAP emissions limitation for each HAP from all coatings and cleanup materials employed, in pounds or tons per month and pounds or tons per rolling 12 month period.

b. The total combined HAP emissions from all coatings and cleanup materials employed, in pounds or tons per month and pounds or tons per rolling 12 month period.

c. Exceedances of the rolling, coating usage limitation and, for the first 12 calendar months of operation , all exceedances of the maximum allowable cumulative coating usage levels.

4. These reports shall include a description of the deviation, as well as the corrective actions that were taken to achieve compliance. The permittee shall submit annual reports which identify all exceedances of the above limitations, as well as the corrective actions that were taken to achieve compliance. These reports shall be submitted by January 31 of each year.

#### **E. Testing Requirements**

1. Compliance with the emission limitation(s) in Section A.I. of these terms and conditions shall be

**The Gradall Orrville Co**  
**PTI Application 02-12622**  
**March**

**Facility ID: 0285010292**

Emissions Unit ID: **K002**

determined in accordance with the following method(s):

a. Emission Limitation :

3.5 lbs VOC/gallon coating excluding water and exempt solvents, as a daily volume-weighted average for extreme performance coatings.

Applicable Compliance Method:

OAC rule 3745-21-10(B). USEPA Methods 24 and 24A shall be used to determine the VOC contents for (a) coatings and (b) flexographic and rotogravure printing inks and related coatings, respectively. If, pursuant to section 4.3 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 or 24A cannot be used for a particular coating or ink, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating or ink to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24 or 24A.

b. Emission Limitation :

337.2 pounds per day and 52.6 tons as a rolling, 12-month summation of VOC.

Applicable Compliance Method:

Compliance shall be based upon the recordkeeping specified in Section C.1.

c. Emission Limitation :

i. 627 lbs/day and 97.75 tons as a rolling 12-month summation of VOC;

ii. 0.8 ton/month and 9.5 tons as a rolling 12-month summation of any individual HAP; and

iii. 2.04 tons/month and 24.5 tons as a rolling 12-month summation of total combined HAPS.

Applicable Compliance Method:

Compliance shall be based upon the recordkeeping specified in Section C.2. and C.3.

**F. Miscellaneous Requirements**

1. The following Terms and Conditions have been incorporated into this permit in order to establish

**The Gr  
PTI Ap  
March 22, 2000**

Emissions Unit ID: **K002**

federally enforceable limitations on potential to emit, pursuant to OAC Rule 3745- 35- 07: A., B., C., D., and E.

2. Air Toxic Policy Clarifying Language

This permit allows the use of materials (typically coatings and cleanup materials) specified by the permittee in the permit to install application for this emissions unit. To fulfill the best available technology requirements of (OAC) rule 3745-31-05 and to ensure compliance with OAC rule 3745-15-07 (Air Pollution Nuisances Prohibited), the emission limitation(s) specified in this permit was (were) established using the Ohio EPA's "Air Toxic Policy" and is (are) based on both the materials used and the design parameters of the emissions unit's exhaust system, as specified in the application. The Ohio EPA's "Air Toxic Policy" was applied for each pollutant using the SCREEN 3.0 model and comparing the predicted 1-hour maximum ground-level concentration to the Maximum Acceptable Ground-Level Concentration (MAGLC). The following summarizes the results of the modeling for each pollutant:

Pollutant: Xylene

TLV (ug/m3): 434000

Maximum Hourly Emission Rate (lbs/hr): 17.6

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 27.7

MAGLC (ug/m3): 10333

Pollutant: toluene

TLV (ug/m3): 188000

Maximum Hourly Emission Rate (lbs/hr): 26.2

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 41.5

MAGLC (ug/m3): 4476

Pollutant: butyl acetate

TLV (ug/m3): 713000

Maximum Hourly Emission Rate (lbs/hr): 43.6

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 23.2

MAGLC (ug/m3): 16976

Pollutant: methyl amyl acetate

TLV (ug/m3): 233000

Maximum Hourly Emission Rate (lbs/hr): 308.3

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 767.2

MAGLC (ug/m3): 5547

Pollutant: methyl isobutyl ketone

TLV (ug/m3): 205000

Maximum Hourly Emission Rate (lbs/hr): 17.5

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 27.7

MAGLC (ug/m3): 4880

Pollutant: 135 tri methyl benzene

TLV (ug/m3): 123000

Maximum Hourly Emission Rate (lbs/hr): 8.8

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 4.64

MAGLC (ug/m3): 2929

Pollutant: 124 tri methyl benzene

TLV (ug/m3): 123000

Maximum Hourly Emission Rate (lbs/hr): 17.6

**The Gradall Orrville Co**  
**PTI Application 02-12622**  
**March**

**Facility ID: 0285010292**

Emissions Unit ID: **K002**

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 9.28

MAGLC (ug/m3): 2929

**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>
Primer Booth K003	OAC rule 3745-21-09(U)(1)(c)	See A.2.a.
	OAC rule 3745-35-07(B)	See A.2.b. and c.
	OAC rule 3745-31-05(A)(3)	Equivalent to OAC rule 3745-35-07(B)

**2. Additional Terms and Conditions**

- 2.a The volatile organic compound (VOC) content shall not exceed 3.5 pounds of VOC per gallon of coating, excluding water and exempt solvent(s), on a daily volume-weighted average, for extreme performance coatings.
- 2.b The emissions from emissions unit K002 shall not exceed 255 pounds per day and 39.8 tons as a rolling, 12-month summation of VOC.
- 2.c The permittee shall limit emissions from the K001, K002, and K003 to:
  - i. 627 lbs/day and 97.75 tons as a rolling 12-month summation of VOC;
  - ii. 0.8 ton/month and 9.5 tons as a rolling, 12-month summation of any individual HAP; and
  - iii. 2.04 tons/month and 24.5 tons as a rolling, 12-month summation of total combined HAPS.

**B. Operational Restrictions**

- 1. The permittee shall limit coating or solvent usage for this emissions unit (K002) for each of the following materials to:

Top coat - 22733 gallons as a rolling 12- month summation.

- 2. To ensure enforceability during the first 12 calendar months of operation following the issuance of this permit, the permittee shall not exceed the coating usage levels specified in the following table for either the topcoat or primer surface:

Month(s)	Maximum Allowable Cumulative Coating Usage
1	1,895
1-2	3,790
1-3	5,685
1-4	7,580
1-5	9,475
1-6	11,370
1-7	13,265
1-8	15,160
1-9	17,055
1-10	18,950
1-11	20,845
1-12	22,733

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

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

- 1. The permittee shall collect and record the following information each day for this emissions unit:
  - a. The name and identification number of each coating, as applied.
  - b. The VOC content of each coating, as applied, in pounds per gallon.
  - c. The number of gallons of each coating employed.

- d. The name and identification of each cleanup material employed.
  - e. The number of gallons of each cleanup material employed.
  - f. The VOC content of each cleanup material, in pounds per gallon.
  - g. The total VOC emissions from all coatings and cleanup materials employed, in pounds or tons.
  - h. The daily volume-weighted average VOC content of all coatings used as extreme performance coatings, as applied, calculated in accordance with the equation specified in paragraph (B)(9) of OAC rule 3745-21-10 for CVOC,<sup>2</sup>.
2. The permittee shall collect and record the following information each month for this emissions unit:
- a. The name and identification number of each coating, as applied.
  - b. The individual Hazardous Air Pollutant (HAP)<sup>1</sup> content for each HAP of each coating in pounds of individual HAP per gallon of coating, as applied.
  - c. The total combined Hazardous Air Pollutant (HAP) content for each HAP of each coating in pounds of combined HAPs per gallon of coating, as applied (sum all the individual HAP contents from b).
  - d. The number of gallons of each coating employed.
  - e. The name and identification of each cleanup material employed.
  - f. The individual HAP content for each HAP of each cleanup material in pounds of individual HAP per gallon of cleanup material, as applied.
  - g. The total combined HAP content of each cleanup material in pounds of combined HAPs per gallon of cleanup material, as applied (sum all the individual HAP contents from f).
  - h. The number of gallons of each cleanup material employed.
  - i. The total individual HAP emissions for each HAP from all coatings and cleanup materials employed, in pounds or tons per month and pounds or tons per rolling 12 month period (for each HAP the sum of b times d for each coating and the sum of f times h for each cleanup material).

**The Gradall Orrville Co**  
**PTI Application 03-12622**  
**March**

**Facility ID: 0285010292**

**Emissions Unit ID: K003**

- j. The total combined HAP emissions from all coatings and cleanup materials employed, in pounds or tons per month and pounds or tons per rolling 12 month period (the sum of c times d for each coating plus the sum of g times h for each cleanup material).
  - k. The rolling 12-month summation of monthly VOC emissions.
3. A listing of the Hazardous Air Pollutants (HAPs) can be found in Section 112(b) of the Clean Air Act or can be obtained by contacting your Ohio EPA field office or local air agency contact. Material Safety Data Sheets typically include a listing of the solvents contained in the coatings or cleanup materials. This information does not have to be kept on a line-by-line basis.

4. The permittee shall collect and record for each month for emissions units K001-K003, the rolling 12- month summation of monthly VOC emissions.

#### **D. Reporting Requirements**

1. The permittee shall notify the Director (the Ohio EPA Northeast District Office ) in writing of any daily record showing that the daily volume-weighted average VOC content(s) exceed(s) the applicable limitation(s). The notification shall include a copy of such record and shall be sent to the Director (the Ohio EPA Northeast District Office) within 30 days after the exceedance occurs.
2. The permittee shall submit deviation (excursion) reports which identify all times when the VOC emission rate from emissions unit, K003, exceeded 255 pounds per day.
3. The permittee shall notify the Director of any monthly record showing any deviation from the following:
  - a. The individual HAP emissions limitation for each HAP from all coatings and cleanup materials employed, in pounds or tons per month and pounds or tons per rolling 12 month period.
  - b. The total combined HAP emissions from all coatings and cleanup materials employed, in pounds or tons per month and pounds or tons per rolling 12 month period.
  - c. Exceedances of the rolling, coating usage limitation and, for the first 12 calendar months of operation , all exceedances of the maximum allowable cumulative coating usage levels.
4. These reports shall include a description of the deviation, as well as the corrective actions that were taken to achieve compliance. The permittee shall submit annual reports which identify all exceedances of the above limitations, as well as the corrective actions that were taken to achieve compliance. These reports shall be submitted by January 31 of each year.

#### **E. Testing Requirements**

1. Compliance with the emission limitation(s) in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):
  - a. Emission Limitation :

3.5 lbs VOC/gallon coating excluding water and exempt solvents, as a daily volume-weighted average for extreme performance coatings.

**The Gradall Orrville Co**  
**PTI Application 03-12-03**  
**March**

**Facility ID: 0285010292**

Emissions Unit ID: **K003**

Applicable Compliance Method:

OAC rule 3745-21-10(B). USEPA Methods 24 and 24A shall be used to determine the VOC contents for (a) coatings and (b) flexographic and rotogravure printing inks and related coatings, respectively. If, pursuant to section 4.3 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 or 24A cannot be used for a particular coating or ink, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating or ink to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24 or 24A.

b. Emission Limitation :

255 pounds per day and 39.8 tons as a rolling, 12-month summation of VOC.

Applicable Compliance Method:

Compliance shall be based upon the recordkeeping specified in Section C.1.

c. Emission Limitation :

i. 627 lbs/day and 97.75 tons as a rolling 12-month summation of VOC;

ii. 0.8 ton/month and 9.5 tons as a rolling 12-month summation of any individual HAP; and

iii. 2.04 tons/month and 24.5 tons as a rolling 12-month summation of total combined HAPS.

Applicable Compliance Method:

Compliance shall be based upon the recordkeeping specified in Section C.2. and C.3.

**F. Miscellaneous Requirements**

1. The following Terms and Conditions have been incorporated into this permit in order to establish federally enforceable limitations on potential to emit, pursuant to OAC Rule 3745- 35- 07: A., B., C., D., and E.
2. Air Toxic Policy Clarifying Language

This permit allows the use of materials (typically coatings and cleanup materials) specified by the permittee in the permit to install application for this emissions unit. To fulfill the best available technology requirements of (OAC) rule 3745-31-05 and to ensure compliance with OAC rule 3745-15-07 (Air Pollution Nuisances Prohibited), the emission limitation(s) specified in this permit was (were) established using the Ohio EPA's "Air Toxic Policy" and is (are) based on both the materials used and the design parameters of the emissions unit's exhaust system, as specified in the application. The Ohio EPA's "Air Toxic Policy" was applied for each pollutant using the SCREEN

3.0 model and comparing the predicted 1-hour maximum ground-level concentration to the Maximum Acceptable Ground-Level Concentration (MAGLC). The following summarizes the results of the modeling for each pollutant:

Pollutant: Xylene

TLV (ug/m3): 434000

Maximum Hourly Emission Rate (lbs/hr): 17.6

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 27.7

MAGLC (ug/m3): 10333

Pollutant: toluene

TLV (ug/m3): 188000

Maximum Hourly Emission Rate (lbs/hr): 26.2

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 41.5

MAGLC (ug/m3): 4476

Pollutant: butyl acetate

TLV (ug/m3): 713000

Maximum Hourly Emission Rate (lbs/hr): 43.6

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 23.2

MAGLC (ug/m3): 16976

Pollutant: methyl amyl acetate

TLV (ug/m3): 233000

Maximum Hourly Emission Rate (lbs/hr): 308.3

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 767.2

MAGLC (ug/m3): 5547

Pollutant: methyl isobutyl ketone

TLV (ug/m3): 205000

Maximum Hourly Emission Rate (lbs/hr): 17.5

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 27.7

MAGLC (ug/m3): 4880

Pollutant: 135 tri methyl benzene

TLV (ug/m3): 123000

Maximum Hourly Emission Rate (lbs/hr): 8.8

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 4.64

MAGLC (ug/m3): 2929

Pollutant: 124 tri methyl benzene

TLV (ug/m3): 123000

Maximum Hourly Emission Rate (lbs/hr): 17.6

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 9.28

MAGLC (ug/m3): 2929



**NEW SOURCE REVIEW FORM B**

PTI Number: 02-13622

Facility ID: 0285010292

FACILITY NAME The Gradall Orrville Co

FACILITY DESCRIPTION Lift vehicle assembly and painting facility CITY/TWP Orrville

Emissions Unit ID: **K003**

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

**Enter Determination** use of nat. gas as fuel

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY?

No

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\*? \_\_\_\_\_ YES   x   NO

IDENTIFY THE AIR CONTAMINANTS: \_\_\_\_\_



**NEW SC**

PTI Num

**FACILITY**

Emissions Unit ID: **K003** \_\_\_\_\_

FACILITY DESCRIPTION Lift vehicle assembly and painting facility CITY/TWP Orrville

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY?

No

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

IDENTIFY THE AIR CONTAMINANTS: \_\_\_\_\_

**NEW SC**

PTI Num

FACILITY

Emissions Unit ID: **K003**

FACILITY DESCRIPTION Lift vehicle assembly and painting facility CITY/TWP Orrville

SIC CODE 3531 SCC CODE 402020501 EMISSIONS UNIT ID K002

EMISSIONS UNIT DESCRIPTION primer booth

DATE INSTALLED 6/2000

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					
PM <sub>10</sub>					
Sulfur Dioxide					
Organic Compounds	A			3.5 # voc/gal	52.6
Nitrogen Oxides					
Carbon Monoxide					
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS? NESHAP? PSD? OFFSET POLICY?

**WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?**  
**Enter Determination** use of compliant coatings

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

IDENTIFY THE AIR CONTAMINANTS: see attached sheet

**NEW SOURCE REVIEW FORM B**

PTI Number: 02-13622 Facility ID: 0285010292

FACILITY NAME The Gradall Orrville Co

FACILITY DESCRIPTION Lift vehicle assembly and painting facility CITY/TWP Orrville

Emissions Unit ID: **K003**

SIC CODE 3531 SCC CODE 40202501 EMISSIONS UNIT ID K003

EMISSIONS UNIT DESCRIPTION Top coat booth

DATE INSTALLED 6/2000

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					
PM <sub>10</sub>					
Sulfur Dioxide					
Organic Compounds	A			3.5 # voc/gal	39.8
Nitrogen Oxides					
Carbon Monoxide					
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS?

NESHAP?

PSD?

OFFSET POLICY?

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

**Enter Determination** use of compliant coatings

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

IDENTIFY THE AIR CONTAMINANTS: see attached sheet