State of Ohio Environmental Protection Agency

RE: FINAL PERMIT TO INSTALL **CERTIFIED MAIL**
SUMMIT COUNTY

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: 16-02454
Fac ID: 1677940013
DATE: 6/13/2006

Pro Tree and Landscaping Co Inc
Jim Procaccio
1551 17th St
Cuyahoga Falls, OH 44223

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

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

CC: **USEPA** **ARAQMD**

STATE OF OHIO ENVIRONMENTAL PROTECTION AGENCY

Permit To Install	**Issue Date: 6/13/2006**
Terms and Conditions	**Effective Date: 6/13/2006**

FINAL PERMIT TO INSTALL 16-02454

Application Number:	16-02454
Facility ID:	1677940013
Permit Fee:	**$1250**
Name of Facility:	Pro Tree and Landscaping Co Inc
Person to Contact:	Jim Procaccio
Address:	1551 17th St Cuyahoga Falls, OH 44223

Location of proposed air contaminant source(s) [emissions unit(s)]:
1551 17th St
Cuyahoga Falls, **Ohio**

Description of proposed emissions unit(s):
Tub Grinder.

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.

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

Pollutant	Tons Per Year
NOx	20.40
CO	4.68

Pro Tree and Landscaping Co Inc **Facility ID: 1677940013**
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SOx	**3.44**
PE	**15.75**
OC	**0.6**

Issued: 6/13/2006

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

A. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/Requirements	
P901 - Portable Morbark Model 1300 Tub Grinder with an 860 horsepower diesel engine.	OAC rule 3745-31-05(A)(3)	
		OAC rule 3745-17-07(A)
		OAC rule 3745-17-07(B)(1)
		OAC rule 3745-17-08(B)

OAC rule 3745-17-11(B)(5)(b)	Applicable Emissions Limitations/Control Measures 15.75 pounds of particulate emissions (PE) per hour 15.75 tons of PE per year Visible particulate emissions from the tub grinder, the processed mulch pile(s), conveyor transfer point(s), and the loading and unloading activities associated with the tub grinder shall not exceed 6 minutes during any 60 minute period. Emissions from the diesel engine shall not exceed the following rates: 20.4 pounds of nitrogen oxides (NOx) per hour and 20.4 tons of NOx per year 4.68 pounds of carbon monoxide (CO) per hour and 4.68 tons of CO per year 3.44 pounds of sulfur dioxide (SO2) per hour and 3.44 tons of SO2 per year 0.37 pound of PE per hour and 0.37 ton of PE per year 0.6 pound of organic compounds (OC) per hour and	0.6 ton of OC per year (See Sections A.2.a through A.2.d and Section B.2.) The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-07(A) and 3745-17-11(B)(5)(b).
OAC rule 3745-18-06(B)		Visible particulate emissions from the diesel engine exhaust stack shall not exceed twenty percent opacity as a six-minute average, except as provided by rule. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3). The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3). The particulate emissions from the diesel engine's exhaust shall not exceed 0.062 pound per million Btu of actual heat input. Stationary internal combustion engines which have rated heat input capacities equal to, or less than, ten MM Btu per hour total rated capacity are exempt from paragraphs (D), (F), and (G) of OAC rule 3745-18-06 and from

Emissions Unit ID: **P901**

Issued: 6/13/2006

rules 3745-18-07 to 3745-18-94
of the Administrative Code.

2. Additional Terms and Conditions

2.a This facility shall not cause a nuisance per Ohio Administrative Code 3745-15-07.

2.b The permittee shall employ best available control measures for the tub grinder, the processed mulch pile(s), conveyor transfer point(s), and the loading and unloading activities associated
with the tub grinder for the purpose of ensuring compliance with the "no visible emissions" requirement. The permittee shall employ water on an "as needed" basis to ensure compliance.

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

2.c The above-identified control measure(s) shall be implemented if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measure(s) is (are) necessary to ensure compliance with the "no visible emissions" requirement. Any required implementation of the control measure(s) shall continue until further observation confirms that use of the control measure(s) is unnecessary.

2.d Implementation of the above-mentioned control measure(s) in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the requirements of OAC rules 3745-17-08 and 3745-31-05.

2.e The pounds per hour limit for PE for the tub grinder and the pounds per hour limits for PE, NOx, CO, SO2, and OC for the tub grinder's diesel engine reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with these limits. The tons per year limit for PE for the tub grinder and the tons per year limits for PE, NOx, Co, SO2, OC for the tub grinder's diesel engine are based on the maximum pounds per hour multiplied by the maximum annual operating hours limitation. Therefore, the record keeping and/or reporting requirements for the annual operating hours limitation is sufficient to ensure compliance with these annual emission limits.

B. Operational Restrictions

1. This emissions unit shall be operated with diesel fuel with a sulfur content less than or

equal to 0.5% by weight.

2. The maximum annual operating hours for this emissions unit shall not exceed 2000.

C. Monitoring and/or Recordkeeping Requirements

1. Except as otherwise provided in this section, the permittee shall perform inspections of such operations in accordance with the following minimum frequencies:

operation(s)	minimum inspection frequency
tub grinder	hourly
conveyor transfer point(s)	hourly
loading and unloading activities associated with the tub grinder	hourly
processed mulch piles	daily

2. The above-mentioned inspections shall be performed during representative, normal operating conditions.

3. The permittee may, upon receipt of written approval from the appropriate Ohio EPA District Office or local air agency, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.

4. The permittee shall note the following in an operations log for each operation (i.e., tub grinder, processed mulch pile(s), conveyor transfer point(s), and the loading and unloading activities associated with the tub grinder) at the minimum inspection frequency specified above whenever the emissions unit is in operation:

   a. the date and time of each observation;

   b. the presence or absence of any visible emissions;

   c. whether it was determined by the permittee that it was necessary to implement the control measures;

   d. the dates and times the control measures were implemented; and,

   e. the name of the person reporting each observation.

5. The operations log shall be maintained on site.

6. The permittee shall maintain a record of the sulfur content of each shipment of diesel fuel received for burning in this emissions unit.

7. The permittee shall maintain monthly records of the operating hours for this emissions unit.

D. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify any of the following occurrences:

   a. each day during which an inspection was not performed by the required frequency; and,

   b. each instance when a control measure, that was to be performed as a result of an inspection, was not implemented.

2. The permittee shall submit deviation (excursion) reports which identify each day when a fuel that does not meet the requirements of section B.1 of these terms and conditions was burned in this emissions unit.

3. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

4. The permittee shall submit annual reports which identify any exceedances of the annual operating hours limitation, 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.1. of these terms and conditions shall be determined in accordance with the following method(s):

   a. <u>Emission Limitation</u>:

      Visible particulate emissions from the tub grinder, the processed mulch pile(s), conveyor transfer point(s), and the loading and unloading activities associated with the tub grinder shall not exceed 6 minutes during any 60 minute period.

Applicable Compliance Method:

Compliance with the emission limitation shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 1996, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(d) of OAC rule 3745-17-03.

b. Emission Limitation:

2.8 pounds of PE per hour

Applicable Compliance Method:

Multiply the RACM emission factor of 0.35 pound of particulate emissions per ton of material processed (Ohio EPA RACM Table 2.17-1) by the maximum hourly process rate times (1-0.8*)

*The control efficiency for watering and for the moisture content of the material processed.

c. Emission Limitation:

20.4 pounds of NOx per hour

Applicable Compliance Method:

Multiply the AP-42 emission factor of 0.024 pounds of NOx per horsepower-hour (AP-42 Table 3.4-1 dated 10/96) by the maximum power output.

d. Emission Limitation:

4.68 pounds of CO per hour

Applicable Compliance Method:

Multiply the AP-42 emission factor of 0.0055 pound of CO per horsepower-hour (AP-42 Table 3.4-1 dated 10/96) by the maximum power output.

e. Emission Limitation:

3.44 pounds of SO2 per hour

Applicable Compliance Method:

Multiply the AP-42 derived emission factor of 0.004045 pound of SO2 per horsepower-hour (AP-42 Table 3.4-1 dated 10/96) by the maximum power output.

f. Emission Limitation:

0.37 pound of PE per hour

Applicable Compliance Method:

Multiply the allowable emission limit of 0.062 pound of PE per million Btu of actual fuel input by 7000 Btu/horsepower-hour times 1 MM Btu/ 1 x 10^6 Btu times the maximum power output.

g. Emission Limitation:

0.6 pound of OC per hour

Applicable Compliance Method:

Multiply the AP-42 emission factor of 0.000705 pound of OC per horsepower-hour (AP-42 Table 3.4-1 dated 10/96) by the maximum power output.

h. Emission Limitations:

2.8 tons of PE per year
20.4 tons of NOx per year
4.68 tons of CO per year
3.44 tons of SO2 per year
0.37 ton of PE per year
0.6 ton of OC per year

Applicable Compliance Method:

Multiply the allowable hourly emissions limitation by 2000 hours per year, then divide by 2000 pounds per ton.

i. Emission Limitation:

Visible particulate emissions from the diesel engine exhaust stack shall not exceed twenty percent opacity as a six-minute average, except as provided by rule.

Applicable Compliance Method:

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

j. Emission Limitation:

The particulate emissions from the diesel engine's exhaust shall not exceed 0.062 pound per million Btu of actual heat input.

Applicable Compliance Method:

If required, compliance with the allowable emission limitation shall be determined in accordance with test method(s) and procedures specified in OAC rule 3745-17-03(B)(10).

F. Miscellaneous Requirements

1. Pursuant to OAC rule 3745-31-03(A)(1)(p), the permittee of a portable emissions unit may relocate within the State of Ohio without first obtaining a permit to install (PTI) providing certain criteria are met. The portable emissions unit shall meet one of the two following scenarios in order to qualify for this PTI exemption for the new location:

   a. The following determinations have been documented, pursuant to OAC rule 3745-31-03(A)(1)(p)(i):

      i. the portable emissions unit is equipped with the best available technology for such portable emissions unit;

      ii. the portable emissions unit is operating pursuant to a currently effective permit to operate (PTO) or registration status;

      iii. the applicant has provided proper notice of intent to relocate the portable emissions unit to Akron Regional Air Quality Management District (ARAQMD) and the appropriate field office having jurisdiction over the new site within a minimum of 30 days prior to the scheduled relocation; and

      iv. in ARAQMD's and the appropriate field office's (having jurisdiction over the new site) judgement, the proposed site is acceptable under OAC rule 3745-15-07.

   b. In the alternative, pursuant to OAC rule 3745-31-03(A)(1)(p)(ii), the permittee of a portable emissions unit may relocate within the State of Ohio without first obtaining a PTI, providing the following criteria of OAC rule 3745-31-05(E) are met:

      i. the portable emissions unit permittee possesses an Ohio EPA PTI, PTO or registration status;

      ii. the portable emissions unit is equipped with best available technology;

      iii. the portable emissions unit owner has identified the proposed site to Ohio EPA;

      iv. Ohio EPA has determined that the portable emissions unit, at the

proposed site, will have an acceptable environmental impact;

v. a public notice, consistent with OAC Chapter 3745-47, is published in the county where the proposed site is located;

vi. the owner of the proposed site has provided the portable emissions unit owner with approval or equivalent declaration that it is acceptable to the site owner to move the portable emissions unit to this proposed site; and

vii. the portable emissions unit owner has provided Ohio EPA with 15 days written notice of the relocation.

Any site approvals issued by the Ohio EPA, pursuant to OAC rule 3745-31-03(A)(1)(p)(ii), shall be valid for no longer than 3 years and are subject to renewal.

In order for ARAQMD and the appropriate field office having jurisdiction over the new site to determine compliance with all of the above criteria, the permittee of the portable emissions unit must file a " Notice of Intent to Relocate", within the specified time frame (30 or 15 days) prior to the relocation of the emissions unit with ARAQMD and the appropriate field office having jurisdiction over the new site. Upon receipt of the notice, ARAQMD, and/or appropriate field office having jurisdiction over the new site, will evaluate the request in accordance with the above criteria.

Failure to submit said notification and to receive Ohio EPA approval prior to relocation of the emissions unit may result in fines and civil penalties.

Pursuant to OAC rule 3745-31-05(F), the Director may modify the site approval to add or delete certain portable sources or add or delete certain terms and conditions as appropriate.