



John R. Kasich, Governor
Mary Taylor, Lt. Governor
Scott J. Nally, Director

5/6/2013

Certified Mail

Jim Procaccio
Pro Tree & Landscape Co. Inc.
1551 17th Street
Cuyahoga Falls, OH 44223

No	TOXIC REVIEW
No	SYNTHETIC MINOR TO AVOID MAJOR NSR
No	CEMS
No	MACT/GACT
No	NSPS
No	NESHAPS
No	NETTING
No	MODELING SUBMITTED
No	SYNTHETIC MINOR TO AVOID TITLE V
No	FEDERALLY ENFORCABLE PTIO (FEPTIO)
No	SYNTHETIC MINOR TO AVOID MAJOR GHG

RE: FINALAIR POLLUTION PERMIT-TO-INSTALL AND OPERATE

Facility ID: 1677940013
Permit Number: P0113965
Permit Type: OAC Chapter 3745-31 Modification
County: Summit

Dear Permit Holder:

Enclosed please find a final Ohio Environmental Protection Agency (EPA) Air Pollution Permit-to-Install and Operate (PTIO) which will allow you to install, modify, and/or operate the described emissions unit(s) in the manner indicated in the permit. Because this permit contains conditions and restrictions, please read it very carefully. In this letter you will find the information on the following topics:

- **How to appeal this permit**
- **How to save money, reduce pollution and reduce energy consumption**
- **How to give us feedback on your permitting experience**
- **How to get an electronic copy of your permit**

How to appeal this permit

The issuance of this PTIO is a final action of the Director and may be appealed to the Environmental Review Appeals Commission pursuant to Section 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. The appeal must be filed with the Commission within thirty (30) days after notice of the Director's action. The appeal must be accompanied by a filing fee of \$70.00, made payable to "Ohio Treasurer Josh Mandel," which the Commission, in its discretion, may reduce if by affidavit you demonstrate that payment of the full amount of the fee would cause extreme hardship. Notice of the filing of the appeal shall be filed with the Director within three (3) days of filing with the Commission. Ohio EPA requests that a copy of the appeal be served upon the Ohio Attorney General's Office, Environmental Enforcement Section. An appeal may be filed with the Environmental Review Appeals Commission at the following address:

Environmental Review Appeals Commission
77 South High Street, 17th Floor
Columbus, OH 43215

How to save money, reduce pollution and reduce energy consumption

The Ohio EPA is encouraging 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 Compliance Assistance and Pollution Prevention at (614) 644-3469. Additionally, all or a portion of the capital expenditures related to installing air pollution control equipment under this permit may be eligible for financing and State tax exemptions through the Ohio Air Quality Development Authority (OAQDA) under Ohio Revised Code Section 3706. For more information, see the OAQDA website: www.ohioairquality.org/clean_air

How to give us feedback on your permitting experience

Please complete a survey at www.epa.ohio.gov/dapc/permitsurvey.aspx and give us feedback on your permitting experience. We value your opinion.

How to get an electronic copy of your permit

This permit can be accessed electronically via the eBusiness Center: Air Services in Microsoft Word format or in Adobe PDF on the Division of Air Pollution Control (DAPC) Web page, www.epa.ohio.gov/dapc by clicking the "Search for Permits" link under the Permitting topic on the Programs tab.

If you have any questions, please contact Akron Regional Air Quality Management District at (330)3752480 or the Office of Compliance Assistance and Pollution Prevention at (614) 644-3469.

Sincerely,



Michael W. Ahern, Manager

Permit Issuance and Data Management Section, DAPC

Cc: ARAQMD



FINAL

**Division of Air Pollution Control
Permit-to-Install and Operate
for
Pro Tree & Landscape Co. Inc.**

Facility ID:	1677940013
Permit Number:	P0113965
Permit Type:	OAC Chapter 3745-31 Modification
Issued:	5/6/2013
Effective:	5/6/2013
Expiration:	5/6/2023



Division of Air Pollution Control
Permit-to-Install and Operate
for
Pro Tree & Landscape Co. Inc.

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Final Permit-to-Install and Operate
 Pro Tree & Landscape Co. Inc.
Permit Number: P0113965
Facility ID: 1677940013
Effective Date: 5/6/2013

Authorization

Facility ID: 1677940013
 Application Number(s): A0047422
 Permit Number: P0113965
 Permit Description: Chapter 31 Modification permit to increase emission limits for Morbark 1300 portable tub grinder upgraded to 1000 HP engine.
 Permit Type: OAC Chapter 3745-31 Modification
 Permit Fee: \$1,250.00
 Issue Date: 5/6/2013
 Effective Date: 5/6/2013
 Expiration Date: 5/6/2023
 Permit Evaluation Report (PER) Annual Date: Jan 1 - Dec 31, Due Feb 15

This document constitutes issuance to:

Pro Tree & Landscape Co. Inc.
 5255 Akron-Cleveland Road
 Boston Twp., OH 44264

of a Permit-to-Install and Operate for the emissions unit(s) identified on the following page.

Ohio Environmental Protection Agency (EPA) District Office or local air agency responsible for processing and administering your permit:

Akron Regional Air Quality Management District
 146 South High Street, Room 904
 Akron, OH 44308
 (330)375-2480

The above named entity is hereby granted this Permit-to-Install and Operate for the air contaminant source(s) (emissions unit(s)) listed in this section 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 described emissions unit(s) will operate in compliance with applicable State and federal laws and regulations.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency


 Scott J. Nally
 Director



Final Permit-to-Install and Operate
Pro Tree & Landscape Co. Inc.
Permit Number: P0113965
Facility ID: 1677940013
Effective Date: 5/6/2013

Authorization (continued)

Permit Number: P0113965
Permit Description: Chapter 31 Modification permit to increase emission limits for Morbark 1300 portable tub grinder upgraded to 1000 HP engine.

Permits for the following Emissions Unit(s) or groups of Emissions Units are in this document as indicated below:

Emissions Unit ID:	P901
Company Equipment ID:	Morbark 1300
Superseded Permit Number:	16-02454
General Permit Category and Type:	Not Applicable



Final Permit-to-Install and Operate
Pro Tree & Landscape Co. Inc.
Permit Number: P0113965
Facility ID: 1677940013
Effective Date: 5/6/2013

A. Standard Terms and Conditions



1. What does this permit-to-install and operate ("PTIO") allow me to do?

This permit allows you to install and operate the emissions unit(s) identified in this PTIO. You must install and operate the unit(s) in accordance with the application you submitted and all the terms and conditions contained in this PTIO, including emission limits and those terms that ensure compliance with the emission limits (for example, operating, recordkeeping and monitoring requirements).

2. Who is responsible for complying with this permit?

The person identified on the "Authorization" page, above, is responsible for complying with this permit until the permit is revoked, terminated, or transferred. "Person" means a person, firm, corporation, association, or partnership. The words "you," "your," or "permittee" refer to the "person" identified on the "Authorization" page above.

The permit applies only to the emissions unit(s) identified in the permit. If you install or modify any other equipment that requires an air permit, you must apply for an additional PTIO(s) for these sources.

3. What records must I keep under this permit?

You must keep all records required by this permit, including monitoring data, test results, strip-chart recordings, calibration data, maintenance records, and any other record required by this permit for five years from the date the record was created. You can keep these records electronically, provided they can be made available to Ohio EPA during an inspection at the facility. Failure to make requested records available to Ohio EPA upon request is a violation of this permit requirement.

4. What are my permit fees and when do I pay them?

There are two fees associated with permitted air contaminant sources in Ohio:

- PTIO fee. This one-time fee is based on a fee schedule in accordance with Ohio Revised Code (ORC) section 3745.11, or based on a time and materials charge for permit application review and permit processing if required by the Director.

You will be sent an invoice for this fee after you receive this PTIO and payment is due within 30 days of the invoice date. You are required to pay the fee for this PTIO even if you do not install or modify your operations as authorized by this permit.

- Annual emissions fee. Ohio EPA will assess a separate fee based on the total annual emissions from your facility. You self-report your emissions in accordance with Ohio Administrative Code (OAC) Chapter 3745-78. This fee assessed is based on a fee schedule in ORC section 3745.11 and funds Ohio EPA's permit compliance oversight activities. Unless otherwise specified, facilities subject to one or more synthetic minor restrictions must use Ohio EPA's "Air Services" to submit annual emissions associated with this permit requirement. Ohio EPA will notify you when it is time to report your emissions and to pay your annual emission fees.

5. When does my PTIO expire, and when do I need to submit my renewal application?

This permit expires on the date identified at the beginning of this permit document (see "Authorization" page above) and you must submit a renewal application to renew the permit. Ohio EPA will send a renewal notice to you approximately six months prior to the expiration date of this permit. However, it is



very important that you submit a complete renewal permit application (postmarked prior to expiration of this permit) even if you do not receive the renewal notice.

If a complete renewal application is submitted before the expiration date, Ohio EPA considers this a timely application for purposes of ORC section 119.06, and you are authorized to continue operating the emissions unit(s) covered by this permit beyond the expiration date of this permit until final action is taken by Ohio EPA on the renewal application.

6. What happens to this permit if my project is delayed or I do not install or modify my source?

This PTIO expires 18 months after the issue date identified on the "Authorization" page above unless otherwise specified if you have not (1) started constructing the new or modified emission sources identified in this permit, or (2) entered into a binding contract to undertake such construction. This deadline can be extended by up to 12 months, provided you apply to Ohio EPA for this extension within a reasonable time before the 18-month period has ended and you can show good cause for any such extension.

7. What reports must I submit under this permit?

An annual permit evaluation report (PER) is required in addition to any malfunction reporting required by OAC rule 3745-15-06 or other specific rule-based reporting requirement identified in this permit. Your PER due date is identified in the Authorization section of this permit.

8. If I am required to obtain a Title V operating permit in the future, what happens to the operating provisions and PER obligations under this permit?

If you are required to obtain a Title V permit under OAC Chapter 3745-77 in the future, the permit-to-operate portion of this permit will be superseded by the issued Title V permit. From the effective date of the Title V permit forward, this PTIO will effectively become a PTI (permit-to-install) in accordance with OAC rule 3745-31-02(B). The following terms and conditions will no longer be applicable after issuance of the Title V permit: Section B, Term 1.b) and Section C, for each emissions unit, Term a)(2).

The PER requirements in this permit remain effective until the date the Title V permit is issued and is effective, and cease to apply after the effective date of the Title V permit. The final PER obligation will cover operations up to the effective date of the Title V permit and must be submitted on or before the submission deadline identified in this permit on the last day prior to the effective date of the Title V permit.

9. What are my obligations when I perform scheduled maintenance on air pollution control equipment?

You must perform scheduled maintenance of air pollution control equipment in accordance with OAC rule 3745-15-06(A). If scheduled maintenance requires shutting down or bypassing any air pollution control equipment, you must also shut down the emissions unit(s) served by the air pollution control equipment during maintenance, unless the conditions of OAC rule 3745-15-06(A)(3) are met. Any emissions that exceed permitted amount(s) under this permit (unless specifically exempted by rule) must be reported as deviations in the annual permit evaluation report (PER), including nonexempt excess emissions that occur during approved scheduled maintenance.



10. Do I have to report malfunctions of emissions units or air pollution control equipment? If so, how must I report?

If you have a reportable malfunction of any emissions unit(s) or any associated air pollution control system, you must report this to the Akron Regional Air Quality Management District in accordance with OAC rule 3745-15-06(B). Malfunctions that must be reported are those that result in emissions that exceed permitted emission levels. It is your responsibility to evaluate control equipment breakdowns and operational upsets to determine if a reportable malfunction has occurred.

If you have a malfunction, but determine that it is not a reportable malfunction under OAC rule 3745-15-06(B), it is recommended that you maintain records associated with control equipment breakdown or process upsets. Although it is not a requirement of this permit, Ohio EPA recommends that you maintain records for non-reportable malfunctions.

11. Can Ohio EPA or my local air agency inspect the facility where the emission unit(s) is/are located?

Yes. Under Ohio law, the Director or his authorized representative may inspect the facility, conduct tests, examine records or reports to determine compliance with air pollution laws and regulations and the terms and conditions of this permit. You must provide, within a reasonable time, any information Ohio EPA requests either verbally or in writing.

12. What happens if one or more emissions units operated under this permit is/are shut down permanently?

Ohio EPA can terminate the permit terms associated with any permanently shut down emissions unit. "Shut down" means the emissions unit has been physically removed from service or has been altered in such a way that it can no longer operate without a subsequent "modification" or "installation" as defined in OAC Chapter 3745-31.

You should notify Ohio EPA of any emissions unit that is permanently shut down by submitting¹ a certification that identifies the date on which the emissions unit was permanently shut down. The certification must be submitted by an authorized official from the facility. You cannot continue to operate an emissions unit once the certification has been submitted to Ohio EPA by the authorized official.

You must comply with all recordkeeping and reporting for any permanently shut down emissions unit in accordance with the provisions of the permit, regulations or laws that were enforceable during the period of operation, such as the requirement to submit a PER, air fee emission report, or malfunction report. You must also keep all records relating to any permanently shutdown emissions unit, generated while the emissions unit was in operation, for at least five years from the date the record was generated.

Again, you cannot resume operation of any emissions unit certified by the authorized official as being permanently shut down without first applying for and obtaining a permit pursuant to OAC Chapter 3745-31.

¹ Permittees that use Ohio EPA's "Air Services" can mark the affected emissions unit(s) as "permanently shutdown" in the facility profile along with the date the emissions unit(s) was permanently removed and/or disabled. Submitting the facility profile update will constitute notifying of the permanent shutdown of the affected emissions unit(s).



13. Can I transfer this permit to a new owner or operator?

You can transfer this permit to a new owner or operator. If you transfer the permit, you must follow the procedures in OAC Chapter 3745-31, including notifying Ohio EPA or the local air agency of the change in ownership or operator. Any transferee of this permit must assume the responsibilities of the transferor permit holder.

14. Does compliance with this permit constitute compliance with OAC rule 3745-15-07, "air pollution nuisance"?

This permit and OAC rule 3745-15-07 prohibit operation of the air contaminant source(s) regulated under this permit in a manner that causes a nuisance. Ohio EPA can require additional controls or modification of the requirements of this permit through enforcement orders or judicial enforcement action if, upon investigation, Ohio EPA determines existing operations are causing a nuisance.

15. What happens if a portion of this permit is determined to be invalid?

If a portion of this permit is determined to be invalid, the remainder of the terms and conditions remain valid and enforceable. The exception is where the enforceability of terms and conditions are dependent on the term or condition that was declared invalid.



Final Permit-to-Install and Operate
Pro Tree & Landscape Co. Inc.
Permit Number: P0113965
Facility ID: 1677940013
Effective Date: 5/6/2013

B. Facility-Wide Terms and Conditions



Final Permit-to-Install and Operate

Pro Tree & Landscape Co. Inc.

Permit Number: P0113965

Facility ID: 1677940013

Effective Date: 5/6/2013

1. This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).
 - a) For the purpose of a permit-to-install document, the facility-wide terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.
 - (1) None.
 - b) For the purpose of a permit-to-operate document, the facility-wide terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.
 - (1) None.



Final Permit-to-Install and Operate
Pro Tree & Landscape Co. Inc.
Permit Number: P0113965
Facility ID: 1677940013
Effective Date: 5/6/2013

C. Emissions Unit Terms and Conditions



1. P901, Morbark 1300

Operations, Property and/or Equipment Description:

Portable Morbark 1300 Tub Grinder with 1000 HP Diesel Engine

- a) This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).
 - (1) For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.
 - a. None.
 - (2) For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.
 - a. None.
- b) Applicable Emissions Limitations and/or Control Requirements
 - (1) The specific operation(s), property, and/or equipment that constitute each emissions unit along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures are identified below. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3), as effective 11/30/2001	<p>Particulate emissions (PE) shall not exceed 1.44 pounds per hour and 1.44 tons per year.</p> <p>Emissions from the diesel engine shall not exceed the following rates:</p> <p>24.0 pounds of nitrogen oxides (NO_x) per hour and 24.0 tons NO_x per year;</p> <p>5.50 pounds of carbon monoxide (CO) per hour and 5.50 tons CO per year;</p> <p>4.05 pounds of sulfur dioxide (SO₂) per hour and 4.05 tons SO₂ per year;</p> <p>0.43 pound of PE per hour and 0.43 ton PE per year; and</p> <p>0.71 pound of organic compounds (OC) per hour and 0.71 ton OC per year.</p>



	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		See b)(2)a. through b)(2)c., c)(1) and c)(2).
b.	OAC rule 3745-31-05(A)(3), as effective 12/01/2006	See b)(2)d.i.
c.	OAC rule 3745-31-05(F), as effective 12/01/2006	See b)(2)d.ii.
d.	OAC rule 3745-17-07(A)(1)	Visible PE from the diesel engine exhaust stack shall not exceed 20% opacity as a 6-minute average, except as provided by rule.
e.	OAC rule 3745-17-07(B)(1) [Applicable only if this emissions unit is located in an area identified in Appendix A of OAC rule 3745-17-08]	Visible PE from any fugitive dust source shall not exceed 20% opacity as a 3-minute average.
f.	OAC rule 3745-17-08(B)(1) [Applicable only if this emissions unit is located in an area identified in Appendix A of OAC rule 3745-17-08]	See b)(2)e and b)(2)f.
g.	OAC rule 3745-17-11(B)(5)(b)	PE from the diesel engine's exhaust shall not exceed 0.062 pound per million Btu of actual heat input.
h.	OAC rule 3745-18-06(B)	See b)(2)g.
i.	OAC rule 3745-110-03(J)(3)	See b)(2)h.

(2) Additional Terms and Conditions

- a. The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-07, 3745-17-08, and 3745-17-11.
- b. The pounds per hour emission limitations for the tub grinder and 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.
- c. The permittee has satisfied the Best Available Technology (BAT) requirements pursuant to Ohio Administrative Code (OAC) paragraph 3745-31-05(A)(3), as effective November 30, 2001, in this permit. On December 1, 2006, paragraph (A)(3) of OAC rule 3745-31-05 was revised to conform to the Ohio Revised Code (ORC) changes effective August 3, 2006 (Senate Bill 265 changes), such that BAT is no longer required by State regulations for National Ambient Air Quality



Standards (NAAQS) pollutant(s) less than ten tons per year. However, that rule revision has not yet been approved by U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revisions to OAC rule 3745-31-05, the requirement to satisfy BAT still exists as part of the federally-approved SIP for Ohio. Once U.S. EPA approves the December 1, 2006 version of OAC rule 3745-31-05, then the emissions limitations/control measures for PE, CO, SO₂, and OC no longer apply.

- d. These rule paragraphs apply once U.S. EPA approves the December 1, 2006 version of OAC rule 3745-31-05 as part of the State Implementation Plan.
 - i. The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to the particulate and OC emissions from the diesel engine since the uncontrolled potential to emit is less than 10 tons per year.
 - ii. Permit to Install and Operate (PTIO) P0113965 for this air contaminant source takes into account the following voluntary restriction (including the use of any applicable air pollution control equipment) as proposed by the permittee for the purpose of avoiding the Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3):
 - (a) the maximum annual operating hours for this emissions unit shall not exceed 2000 hours per year;
 - (b) annual emissions from the tub grinder shall not exceed 1.44 tons PE per year; and
 - (c) annual emissions from the diesel engine shall not exceed 5.50 tons CO per year and 4.05 pounds SO₂ per year.
- e. The permittee has committed to employing best available control measures for the tub grinder, conveyor transfer point(s), and the loading and unloading activities associated with the tub grinder, to minimize or eliminate visible particulate emissions (PE) of fugitive dust. The permittee shall employ continuous water sprays and other watering or wetting activities on an "as needed" basis to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures instead of, or in addition to, water sprays, including the processing of materials with inherent moisture sufficient to meet the visible PE fugitive dust limitation of this permit.
- f. The above-identified control measures 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 measures are necessary to ensure compliance with the visible particulate emissions requirement. Any required implementation of the control measures shall continue until further observation and documentation demonstrates that use of the control measures is unnecessary.



- g. Stationary internal combustion engines which have rated heat input capacities equal to, or less than, 10 million Btu per hour total rated capacity are exempt from paragraphs (D), (F), and (G) of OAC rule 3745-18-06 and from rules 3745-18-07 to 3745-18-94 of the Administrative Code.
- h. The requirements of paragraphs (A) to (F) of this rule shall not apply to any stationary internal combustion engine having an energy output capacity of less than 2000 horsepower.
- i. This facility shall not cause a nuisance per OAC rule 3745-15-07.

c) 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 hours per year.

d) 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:

Operations	Minimum Inspection Frequency
tub grinder	daily
conveyor transfer points	daily
loading and unloading activities associated with the tub grinder	daily

- (2) The above-mentioned inspections shall be performed during representative, normal operating conditions.
- (3) The permittee shall note the following in an operations log for each operation (i.e., tub grinder, conveyor transfer points, 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.



- (4) The operations log shall be maintained on site.
 - (5) The permittee shall maintain a record of the sulfur content of each shipment of diesel fuel received for burning in this emissions unit.
 - (6) The permittee shall maintain monthly records of the operating hours for this emissions unit.
- e) Reporting Requirements
- (1) The permittee shall submit an annual Permit Evaluation Report (PER) to the Ohio EPA District Office or Local Air Agency by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve months for each air contaminant source identified in this permit. It is recommended that the PER is submitted electronically through the Ohio EPA's "e-Business Center: Air Services" although PERs can be submitted via U.S. postal service or can be hand delivered.
- f) Testing Requirements
- (1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:
 - a. Emission Limitations:
1.44lbs PE/hr and 1.44 tons PE/yr

Applicable Compliance Methods:

Compliance with the hourly PE limitation identified above shall be demonstrated by multiplying the maximum hourly process rate of 300 tons of material per hour by the emission factor of 0.024 pound of PE per ton of material processed (Ohio EPA RACM Table 2.17-1) and by the control efficiency for watering/moisture content of the material processed (1-0.8).

The ton per year emission limitation was developed by multiplying the short-term allowable emission limitation by the maximum annual hours of operation (2000 hours per year) and dividing by 2,000 pounds per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.
 - b. Emission Limitations:
24.0 lbs NO_x/hr and 24.0 tons NO_x/yr

Applicable Compliance Methods:

Compliance with the hourly NO_x emission limitation identified above shall be demonstrated by multiplying an emission factor of 0.024 pounds of NO_x per



horsepower-hour (AP-42 Table 3.4-1, dated 10/96) by the engine's maximum power output of 1000 horsepower.

The ton per year emission limitation was developed by multiplying the short-term allowable emission limitation by the maximum annual hours of operation (2000 hours per year) and dividing by 2,000 pounds per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

c. Emission Limitations:

5.50 lbsCO/hr and 5.50 tons CO/yr

Applicable Compliance Methods:

Compliance with the hourly CO emission limitation identified above shall be demonstrated by multiplying an emission factor of 5.5×10^{-3} pounds of CO per horsepower-hour (AP-42 Table 3.4-1, dated 10/96) by the engine's maximum power output of 1000 horsepower.

The ton per year emission limitation was developed by multiplying the short-term allowable emission limitation by the maximum annual hours of operation (2000 hours per year) and dividing by 2,000 pounds per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

d. Emission Limitations:

4.05lbs SO₂/hr and 4.05 tons SO₂/yr

Applicable Compliance Methods:

Compliance with the hourly SO₂ emission limitation identified above shall be demonstrated by multiplying an emission factor of 4.05×10^{-3} pounds of SO₂ per horsepower-hour (AP-42 Table 3.4-1, dated 10/96) by the engine's maximum power output of 1000 horsepower.

The ton per year emission limitation was developed by multiplying the short-term allowable emission limitation by the maximum annual hours of operation (2000 hours per year) and dividing by 2,000 pounds per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

e. Emission Limitations:

0.43lb PE/hr and 0.43 ton PE/yr

Applicable Compliance Methods:

Compliance with the hourly PE limitation identified above shall be demonstrated by multiplying the allowable emission limit of 0.062 pound of PE per million Btu of



actual fuel input by 7000 Btu per horsepower-hour and by the engine's maximum power output of 1000 horsepower, then dividing by 1×10^6 Btu.

The ton per year emission limitation was developed by multiplying the short-term allowable emission limitation by the maximum annual hours of operation (2000 hours per year) and dividing by 2,000 pounds per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

f. Emission Limitations:

0.71lb OC/hr and 0.71 ton OC/yr

Applicable Compliance Methods:

Compliance with the hourly OC emission limitation identified above shall be demonstrated by multiplying an emission factor of 7.05×10^{-4} pounds of OC per horsepower-hour (AP-42 Table 3.4-1, dated 10/96) by the engine's maximum power output of 1000 horsepower.

The ton per year emission limitation was developed by multiplying the short-term allowable emission limitation by the maximum annual hours of operation (2000 hours per year) and dividing by 2,000 pounds per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

g. Emission Limitation:

Visible PE from the diesel engine exhaust stack shall not exceed 20% opacity as a 6-minute average, except as provided by rule.

Applicable Compliance Method:

If required, compliance with the stack opacity limitation identified above shall be determined through visible emissions observations performed in accordance with U.S. EPA Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).

h. Emission Limitation:

Visible PE from any fugitive dust source shall not exceed 20% opacity as a 3-minute average.

Applicable Compliance Method:

If required, compliance with the fugitive opacity limitation identified above shall be determined through visible emission observations performed in accordance with U.S. EPA Method 9 and the procedures specified in OAC rule 3745-17-03(B)(3).

i. Emission Limitation:

0.062 lb PE/MMBtu of actual heat input



Applicable Compliance Method:

If required, compliance with the PE per million Btu of actual heat input limitation identified above shall be determined by emissions testing performed in accordance with the test method(s) and procedures specified in OAC rule 3745-17-03(B)(10).

g) **Miscellaneous Requirements**

(1) At the discretion and following the approval of the Director (the appropriate Ohio EPA District Office or Local Air Agency), the permittee may relocate the portable source within the State of Ohio without first obtaining a permit-to-install and operate (PTIO) or a permit-to-install (PTI), providing the appropriate notification and exemption requirements have been met. The Director may issue a "Notice of Site Approval" through either of the following scenarios:

- a. Where future locations of the proposed portable source are unknown, the approval to relocate the portable source shall be acquired in accordance the permanent exemption for portable sources in OAC rule 3745-31-03(A)(1):
 - i. the portable source is operated in compliance with any applicable best available technology (BAT) determination issued in a permit and all applicable state and/or federal rules and laws;
 - ii. the portable source is operating pursuant to a currently effective PTIO or PTI and/or permit to operate (PTO) and continues to comply with the requirements of the permit;
 - iii. the permittee has provided a minimum of 30 days notice of the intent to relocate the portable source to the permitting authority (the Ohio EPA District Office or Local Air Agency that has issued the effective current permit) prior to the scheduled relocation by submitting a "Notice of Intent to Relocate a Portable Source";
 - iv. the Ohio EPA District Office or Local Air Agency having jurisdiction over the new site has determined that the permitted emissions would not cause a nuisance and would be acceptable under OAC rule 3745-15-07; and
 - v. the Director has issued a "Notice of Site Approval", stating that the proposed site is acceptable and the relocation of the portable source, along with any supporting permitted emissions (e.g. roadways or storage piles), would not result in the installation of a major stationary source or a modification of an existing major stationary source at the new site.

The portable source can be relocated upon receipt of the Director's "Notice of Site Approval" for the site;

or



- b. As the alternative for any pre-disclosed location, the Director may issue a "Notice of Site Approval" if the portable source meets the requirements of OAC rule 3745-31-05(H), as follows:
- i. the portable source is operating pursuant to a currently effective permit-to-install (PTI), permit-to-install and operate (PTIO), or has been approved for registration status and continues to comply with the requirements of the permit and any applicable state and/or federal rules;
 - ii. the portable source has been issued a PTIO or PTI and the permittee continues to comply with the requirements of the permit, including any applicable best available technology (BAT) determination;
 - iii. the portable source owner has identified and submitted the proposed site to the Ohio EPA prior to the scheduled relocation using the "Notice of Intent to Relocate a Portable Source" form;
 - iv. the permitting District Office/Local Air Agency and the District Office/Local Air Agency having jurisdiction over the new site (if different) have determined that the portable source will have an acceptable environmental impact at the proposed site;
 - v. a public notice, meeting the requirements OAC rule 3745-47, is published in the county where the proposed site is located;
 - vi. the owner of the proposed site (if not the permittee) has provided the portable source owner with approval, or an equivalent declaration, that it is acceptable to move the portable source to the proposed site; and
 - vii. the permittee has provided the Ohio EPA with a minimum of a 15-day written notice of the relocation.

The portable source can be relocated upon receipt of the Director's "Notice of Site Approval" for the site. Any site approval issued by the Ohio EPA, pursuant to OAC rule 3745-31-05(H), is subject to expiration and renewal. Pursuant to OAC rule 3745-31-07(C)(3), any site approval for a portable source shall be issued for a period of time determined to be appropriate by the Director and the renewal will be reevaluated and subject to the same requirements above.

- (2) If the relocation of the portable source would result in the installation of a major source or the modification of a major source, as defined in OAC rule 3745-31-01, the permittee shall submit an application and obtain a PTIO or PTI (as applicable) for the new location prior to moving the portable source.

When a portable source is located at a stationary source or at a site with multiple portable sources, the potential emissions of the portable source may be required to be added to that of the facility, in order to determine the potential to emit for Title V and PSD applicability. Relocation of any portable source that results in the creation of a major source, as defined in OAC rule 3745-77-01, must also meet all applicable



Final Permit-to-Install and Operate

Pro Tree & Landscape Co. Inc.

Permit Number: P0113965

Facility ID: 1677940013

Effective Date: 5/6/2013

requirements under the Title V program contained in OAC rule 3745-77, which may include the requirement to apply for a Title V permit.

- (3) The "Notice of Intent to Relocate a Portable Source" shall be submitted to the Ohio EPA District Office or Local Air Agency responsible for issuing the permits for the portable source. Upon receipt of the notice, the permitting office shall notify the appropriate Ohio EPA District Office or Local Air Agency having jurisdiction over the new site. Failure to submit said notification or failure to receive Ohio EPA approval prior to relocation of the portable source may result in fines and civil penalties.