State of Ohio Environmental Protection Agency

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P.O. Box 1049
Columbus, OH 43216-1049

Certified Mail

2/12/2009

No	TOXIC REVIEW
No	PSD
No	SYNTHETIC MINOR
No	CEMS
No	MACT
No	NSPS
No	NESHAPS
No	NETTING
No	MAJOR NON-ATTAINMENT
No	MODELING SUBMITTED

Anthony Chiofolo
Woodland Mulch & Landscape Center
2194 E. Waterloo Road
Akron, OH 44312

RE: FINAL AIR POLLUTION PERMIT-TO-INSTALL AND OPERATE
Facility ID: 1677011229
Permit Number: P0104471
Permit Type: Initial Installation
County: Summit

Dear Permit Holder:

Enclosed please find a final 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.

Ohio EPA maintains a document entitled "Frequently Asked Questions about the PTIO". The document can be downloaded from the DAPC Web page, www.epa.state.oh.us/dapc, from the "Permits" link. This document contains additional information related to your permit, such as what activities are covered under the PTIO, who has enforcement authority over the permit and Ohio EPA's authorization to inspect your facility and records. Please contact the Office of Compliance Assistance and Pollution Prevention at (614) 644-3469 if you need assistance.

The issuance of this PTIO is a final action of the Director and may be appealed to the Environmental Review Appeals Commission ("ERAC") under Section 3745.04 of the Ohio Revised Code. The appeal must be in writing and describe the action complained of and the grounds for the appeal. The appeal must be filed with the ERAC within thirty (30) days after notice of the Director's action. A filing fee of $70.00 must be submitted to the ERAC with the appeal, although the ERAC, has discretion to reduce the amount of the filing fee if you can demonstrate (by affidavit) that payment of the full amount of the fee would cause extreme hardship. If you file an appeal of this action, you must notify Ohio EPA of the filing of the appeal (by providing a copy to the Director) within three (3) days of filing your appeal with the ERAC. Ohio EPA requests that a copy of the appeal also be provided to the Ohio Attorney General's Office, Environmental Enforcement Section. An appeal may be filed with the ERAC at the following address:

Environmental Review Appeals Commission
309 South Fourth Street, Room 222
Columbus, OH 43215

If you have any questions regarding this permit, please contact the Akron Regional Air Quality Management District. This permit has been posted to the Division of Air Pollution Control (DAPC) Web page www.epa.state.oh.us/dapc.

Sincerely,

Michael W. Ahern

Michael W. Ahern, Manager
Permit Issuance and Data Management Section, DAPC

Cc: ARAQMD

State of Ohio Environmental Protection Agency
Division of Air Pollution Control

FINAL

Air Pollution Permit-to-Install and Operate
for
Woodland Mulch & Landscape Center

Facility ID:	1677011229
Permit Number:	P0104471
Permit Type:	Initial Installation
Issued:	2/12/2009
Effective:	2/12/2009
Expiration:	2/12/2019

State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Air Pollution Permit-to-Install and Operate
for
Woodland Mulch & Landscape Center

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Authorization

Facility ID: 1677011229
Application Number(s): A0036989
Permit Number: P0104471
Permit Description: Mulching Operation
Permit Type: Initial Installation
Permit Fee: $1,250.00
Issue Date: 2/12/2009
Effective Date: 2/12/2009
Expiration Date: 2/12/2019
Permit Evaluation Report (PER) Annual Date: Jan 1 - Dec 31, Due Feb 15
This document constitutes issuance to:

Woodland Mulch & Landscape Center
2194 E. Waterloo Road
Akron, OH 44312

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

Ohio 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

Chris Korleski
Director

Authorization (continued)

Permit Number: P0104471
Permit Description: Mulching Operation

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:	Tub Grinder
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable

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. For facilities that are permitted as synthetic minor sources, the fee schedule is adjusted annually for inflation. 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 submitting 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 emission 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.

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.

B. Facility-Wide Terms and Conditions

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.

C. Emissions Unit Terms and Conditions

1. P901, Tub Grinder

Operations, Property and/or Equipment Description:

Tub Grinder

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 operations(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. 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)	Particulate emissions (PE) from fugitive dust shall not exceed 4.2 pounds per hour, and 18.4 tons per year. Nitrogen Oxide (NOx) emissions from the diesel engine shall not exceed 9.07 pounds per hour, and 39.6 tons per year.
b.	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.
c.	OAC rule 3745-17-07(B)(1)	Visible PE of fugitive dust shall not exceed 20% opacity as a 3-minute average, except as provided by rule.
d.	OAC rule 3745-17-08(B)	Best available control measures that are sufficient to minimize or eliminate visible particulate emissions of fugitive dust. See b)(2)a. – b)(2)c. below.
e.	OAC rule 3745-17-11(B)(5)(a)	PE from the small internal combustion engine exhaust shall not exceed 0.310

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		lb/mmBtu of actual heat input.
f.	OAC rule 3745-18-06(B)	Stationary internal combustion engines which have a total rated heat input capacity equal to or less than 10 mmBtu/hr are exempt from paragraph (G) of OAC rule 3745-18-06 and from rules 3745-18-07 to 3745-18-94 of the Administrative Code.
g.	OAC rule 3745-15-07	See A.14

(2) Additional Terms and Conditions

a. The permittee shall employ best available control measures for the tub grinder and the loading and unloading activities associated with it, for the purpose of ensuring compliance with the visible particulate emissions requirements contained in this permit. In accordance with the permittee's permit application, the permittee has committed to watering the mulch process materials on an "as needed" basis to ensure compliance.

b. The above-identified control measure shall be implemented if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that control measures are necessary to ensure compliance with the visible particulate emissions limitation. Any required implementation of the control measure(s) shall continue until further observation confirms that use of control measures is unnecessary.

c. Implementation of the above-mentioned control measures in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the requirements of OAC rule 3745-17-08(B).

d. The BAT requirements under OAC rule 3745-31-05(A)(3) do not apply to the uncontrolled PE (diesel exhaust stack), CO, SO2, and OC emissions from this air contaminant source since the potential to emit for PE, CO, SO2, and OC is less than ten tons per year.

c) Operational Restrictions

(1) The diesel engine be operated with diesel fuel with a sulfur content less than or equal to 0.5% by weight.

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall perform daily inspections of the tub grinder during process operations, to determine if visible particulate emissions are being emitted from the emissions unit. The inspections shall be performed during representative, normal operating conditions.

(2) The permittee shall maintain a daily record the following information in an operations log for the activities directly associated with the tub grinder and on days when the emissions unit is in operation:

a. the date and time of each observation;

b. the presence or absence of any visible particulate fugitive and/or exhaust emissions;

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

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

e. the name of the person reporting each observation.

If during the day (while the emissions unit(s) was/were in operation) no visible particulate emissions from fugitive dust were observed, the permittee shall record in the operations log the date and that no visible emissions were observed from the tub grinder. The operations log shall be maintained on site.

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

(4) The permittee shall maintain monthly records of the operating hours for the tub grinder.

e) Reporting Requirements

(1) Annual Permit Evaluation Report (PER) forms will be mailed to the permittee at the end of the reporting period specified in the Authorization section of this permit. The permittee shall submit the PER in the form and manner provided by the director 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.

f) Testing Requirements

(1) Compliance with the emission limitations in b)(1) shall be determined in accordance with the following methods:

a. Emission Limitations:

PE shall not exceed 4.2 pounds per hour, and 18.4 tons per year.

Applicable Compliance Method:

The fugitive particulate limitation for grinding was determined by using an emission factor of 0.35 lb PE/ton of wood processed, taken from Ohio EPA document Reasonable Available Control Measures for Fugitive Dust Sources (“RACM”), Table 2.17-1 for wood sawing/grinding. Since this emission factor does not include rain days and watering, it is estimated that the emission reductions from rain events and watering practices will reduce PE emissions by

80%. The calculations used to used to determine the hourly and ton per year emissions from grinding are as follows:

(0.35 lb PE/ton of wood) X (60.0 tons/hour) X (1 – 0.8) = 4.2 lb PE/hr

(4.2 lb PE/hr) X (8760 hours of operation per year) X (ton/ 2000 lbs) = 18.4 tons PE/yr

b. Emission Limitation:

NOx shall not exceed 9.07 pounds per hour, and 39.6 tons per year.

Applicable Compliance Method:

The emissions limitations for the diesel engine were determined by using the emission factors from AP-42, 5th Edition (October 1996), Table 3.3-1, "Emission Factors for Uncontrolled Gasoline and Diesel Industrial Engines." The emissions limitations were established by multiplying the emission factors for diesel fuel, in lb NOx/mmBtu (fuel input), by the diesel fuel consumption rate (15 gal/hr). The hourly emission rates were multiplied by the maximum hours of operation and converted to tons to obtain the annual emission rates.

(4.41 lb NOx/mmBtu) X (15 gal diesel fuel used/hr) X (0.137 mmBtu/gal) = 9.07 lbs NOx/hr

(9.07 lbs NOx/hr) X (8760 hours/yr) (ton/2000 lbs) = 39.6 tons NOx/yr

c. Emission Limitation:

Visible PE shall not exceed 20% opacity, as a 6-minute average, expect as provided by rule (exhaust emissions)

Applicable Compliance Method:

If required, compliance with the visible limitation above shall be demonstrated in accordance with the methods and procedures in OAC rule 3745-17-03(B)(3).

d. Emission Limitation:

Visible PE shall not exceed 20% opacity, as a 3-minute average, expect as provided by rule (fugitive emissions)

Applicable Compliance Method:

If required, compliance with the visible limitation above shall be demonstrated in accordance with the methods and procedures in OAC rule 3745-17-03(B)(3).

e. Emission Limitation:

PE shall not exceed 0.310 lb/mmBtu of actual heat input

Applicable Compliance Method:

The PE limitation for the small internal combustion engine was determined using the emission factor for PE from AP-42, 5th edition (October 1996), Table 3.3-1, "Emission factors for Uncontrolled Gasoline and Diesel Industrial engines." This emission factor of 0.31 lb PE/mmBtu is equivalent to 0.0022 lb PE/np-hr (power output) for diesel fuel.

g) Miscellaneous Requirements

(1) None.