

Synthetic Minor Determination and/or **Netting Determination**

Permit To Install: 03-17398

A. Source Description

This permit is for a new facility in Ashland County. The facility will include screening, conveying and dewatering operations with diesel engine (P901), a diesel-fired generator (P001), a diesel-fired water pump engine (P002), unpaved roadways (F001) and storage piles (F002).

B. Facility Emissions and Attainment Status

This facility is potentially major for PSD for NOx. This facility is located in Ashland County, which is in attainment for all pollutants.

C. Source Emissions

The facility has requested synthetic minor restrictions to avoid dispersion modeling requirements for the engines and generator. Because the actual emissions are substantially less than the potential emissions, the facility is requesting federally enforceable annual operating hours of 2000 per year for the engines and generator. Unpaved roadways and storage piles are under 10 tons per year.

D. Conclusion

With the annual hours of operation restrictions the facility will not be applicable to modeling requirements. In accordance with 40 CFR part 60 of Subpart 000, Standards of Performance for Nonmetallic Mineral Processing Plants, stand-alone screening operations at plants without crushers are not subject to the NSPS requirements.



State of Ohio Environmental Protection Agency

Street Address:

Lazarus Gov. Center
50 West Town Street, Suite 700
Columbus, OH 43215

TELE: (614) 644-3020 FAX: (614) 644-2329

Mailing Address:

Lazarus Gov. Center
P.O. Box 1049
Columbus, OH 43216-1049

CERTIFIED MAIL

RE: DRAFT PERMIT TO INSTALL

ASHLAND COUNTY

Application No: 03-17398

Fac ID: 0303000196

	TOXIC REVIEW
	PSD
Y	SYNTHETIC MINOR
	CEMS
	MACT
	NSPS
	NESHAPS
	NETTING
	MAJOR NON-ATTAINMENT
	MODELING SUBMITTED
	GASOLINE DISPENSING FACILITY

DATE: 6/10/2008

Processing + Recycling Materials, LLC
Stephen Forker
7683 Hartman Road
Wadsworth, OH 44281

You are hereby notified that the Ohio Environmental Protection Agency has made a draft action recommending that the Director issue a Permit to Install for the air contaminant source(s) [emissions unit(s)] shown on the enclosed draft permit. This draft action is not an authorization to begin construction or modification of your emissions unit(s). The purpose of this draft is to solicit public comments on the proposed installation. A public notice concerning the draft permit will appear in the Ohio EPA Weekly Review and the newspaper in the county where the facility will be located. Public comments will be accepted by the field office within 30 days of the date of publication in the newspaper. Any comments you have on the draft permit should be directed to the appropriate field office within the comment period. A copy of your comments should also be mailed to Robert Hodanbosi, Division of Air Pollution Control, Ohio EPA, P.O. Box 1049, Columbus, OH, 43216-1049.

A Permit to Install may be issued in proposed or final form based on the draft action, any written public comments received within 30 days of the public notice, or record of a public meeting if one is held. You will be notified in writing of a scheduled public meeting. Upon issuance of a final Permit to Install a fee of **\$1200** will be due. Please do not submit any payment now.

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. If you have any questions about this draft permit, please contact the field office where you submitted your application, or Mike Ahern, Field Operations & Permit Section at (614) 644-3631.

Sincerely,

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

CC: USEPA

NWDO

ASHLAND COUNTY

PUBLIC NOTICE
ISSUANCE OF DRAFT PERMIT TO INSTALL **03-17398** FOR AN AIR CONTAMINANT SOURCE
FOR **Processing + Recycling Materials, LLC**

On 6/10/2008 the Director of the Ohio Environmental Protection Agency issued a draft action of a Permit To Install an air contaminant source for **Processing + Recycling Materials, LLC**, located at **4 State Route 604, West Salem, Ohio**.

Installation of the air contaminant source identified below may proceed upon final issuance of Permit To Install 03-17398:

Screening/washing plant w/ diesel-fired generator, diesel-fired water pump engine, unpaved roadways and storage piles.

Comments concerning this draft action, or a request for a public meeting, must be sent in writing to the address identified below no later than thirty (30) days from the date this notice is published. All inquiries concerning this draft action may be directed to the contact identified below.

Don Waltermeyer, Ohio EPA, Northwest District Office, 347 North Dunbridge Road, Bowling Green, OH 43402 [(419)352-8461]



DRAFT PERMIT TO INSTALL 03-17398

Application Number: 03-17398
Facility ID: 0303000196
Permit Fee: **To be entered upon final issuance**
Name of Facility: Processing + Recycling Materials, LLC
Person to Contact: Stephen Forker
Address: 7683 Hartman Road
Wadsworth, OH 44281

Location of proposed air contaminant source(s) [emissions unit(s)]:
**4 State Route 604
West Salem, Ohio**

Description of proposed emissions unit(s):
Screening/washing plant w/ diesel-fired generator, diesel-fired water pump engine, unpaved roadways and storage piles.

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

Chris Korleski
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 (i.e., postmarked) quarterly 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

<u>Pollutant</u>	<u>Tons Per Year</u>
Fugitive PE	1.0
PM10	0.88
NOx	12.52
CO	2.70
SO2	0.83
VOC	1.02

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 -(F001) - Unpaved Roadways.

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05(C)	See A.2.a and See A.2.b
OAC rule 3745-17-07(B)	See A.2.c
OAC rule 3745-17-08(B)	See A.2.d

2. Additional Terms and Conditions

- 2.a The unpaved roadways and parking areas that are covered by this permit and subject to the above-mentioned requirements are listed below:

unpaved roadways:
 all unpaved roadway segments

unpaved parking areas:
 all unpaved parking areas

- 2.b Permit to Install 03-17398 for this air contaminant source takes into account the following voluntary restrictions as proposed by the permittee for purposes of avoiding Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3):
 - i. treatment of the unpaved roadways and parking areas with water and/or other dust suppressant at sufficient treatment frequencies to ensure controlled potential particulate emissions and emissions of particulate matter 10 microns or less in size are each less than 10.0 tons per year.

- ii. visible emissions of fugitive dust from any unpaved roadway or parking area shall not exceed 3 minutes during any sixty-minute observation period.

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

- 2.d** This facility is not located within an "Appendix A" area as identified in OAC rule 3745-17-08 (it is located in Ashland County). Therefore, pursuant to OAC rule 3745-17-08(A), this emissions unit is exempt from the requirements of OAC rule 3745-17-08(B).

- 2.e** The needed frequencies of implementation of the control measures shall be determined by the permittee's inspections pursuant to the monitoring section of this permit. Implementation of the control measures shall not be necessary for an unpaved roadway or parking area that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Implementation of any control measure may be suspended if unsafe or hazardous driving conditions would be created by its use.

- 2.f** The permittee shall promptly remove, in such a manner as to minimize or prevent resuspension, earth and/or other material from paved streets onto which such material has been deposited by trucking or earth moving equipment or erosion by water or other means.

- 2.g** Open-bodied vehicles transporting materials likely to become airborne shall have such materials covered at all times if the control measure is necessary for the materials being transported.

B. Operational Restrictions

None

C. Monitoring and/or Record keeping Requirements

- 1. Except as otherwise provided in this section, the permittee shall perform inspections of each unpaved road segment and parking area once during each day of operation.

- 2. The purpose of the inspections is to determine the need for implementing the above-mentioned control measures. The inspections shall be performed during representative, normal traffic conditions.

- 3. No inspection shall be necessary for a roadway or parking area that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure

compliance with the above-mentioned applicable requirements. Implementation of any control measure may be suspended if unsafe or hazardous driving conditions would be created by its use. Any required inspection that is not performed due to any of the above-identified events shall be performed as soon as such event(s) has (have) ended.

4. The permittee shall maintain records of the following information:
 - a. the date and reason any required inspection was not performed, including those inspections that were not performed due to snow and/or ice cover or precipitation;
 - b. the date of each inspection where it was determined by the permittee that it was necessary to implement the control measures;
 - c. the dates the control measures were implemented; and
 - d. on a calendar quarter basis, the total number of days the control measures were implemented and the total number of days where snow and/or ice cover or precipitation were sufficient to not require the control measures.

The information required in (d) shall be kept separately for each unpaved road segment and parking area, and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

D. Reporting Requirements

1. The permittee shall submit quarterly deviation reports, in accordance with the reporting requirements of the General Terms and Conditions of this permit, that identify any of the following occurrences:
 - a. each day during which an inspection was not performed by the required frequency, excluding an inspection which was not performed due to an exemption for snow and/or ice cover or precipitation; and
 - b. each instance when a control measure, that was to be implemented as a result of an inspection, was not implemented.

E. Testing Requirements

None

F. Miscellaneous Requirements

C:\temp\permits3\5925.wpd

Processing + Recycling Materials, LLC

PTI Application: 03-17398

Issued: To be entered upon final issuance

Facility ID: 0303000196

Emissions Unit ID: F001

None

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

A. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment -(F002) - Storage Piles.

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05(C)	See A.2.a and See A.2.b
OAC rule 3745-17-07(B)(6)	See A.2.c
OAC rule 3745-17-08(B)	See A.2.d

2. Additional Terms and Conditions

2.a Permit to Install 03-17398 for this air contaminant source takes into account the following voluntary restrictions as proposed by the permittee for purposes of avoiding Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3):

- i. watering as needed
- ii. reduced drop heights
- iii. visible emissions of fugitive dust from any material storage pile shall not exceed one minute during any sixty-minute observation period (includes load-in/load-out of storage pile and wind erosion from storage pile).

The voluntary restrictions above are being defined as equivalent to BAT requirements. BAT requirements under OAC rule 3745-31-05(A)(3) do not apply to the fugitive particulate emissions (PE) and fugitive particulate matter 10 microns or less in size (PM10) emissions from this air contaminant source since the calculated annual emission rate for PE and PM10 is less than ten tons per year taking into account the permittee's request for voluntary restrictions equivalent to BAT requirements.

2.b The storage piles that are covered by this permit and subject to the above-mentioned requirements are listed below:

all storage piles

- 2.c This emissions unit is exempt from the visible emissions limitations specified in OAC rule 3745-17-07(B), pursuant to OAC rule 3745-17-07(B)(11)(e).
- 2.d This facility is not located within an "Appendix A" area as identified in OAC rule 3745-17-08 (it is located in Ashland County). Therefore, pursuant to OAC rule 3745-17-08(A), this emissions unit is exempt from the requirements of OAC rule 3745-17-08(B).
- 2.e The above-mentioned control measures shall be employed for each load-in and load-out operation of each storage pile 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 above-mentioned applicable requirements. Any required implementation of the control measures shall continue during any such operation until further observation confirms that use of the measures is unnecessary.
- 2.f The above-mentioned control measure shall be employed for wind erosion from each pile 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 above-mentioned applicable requirements. Implementation of the control measures shall not be necessary for a storage pile that is covered with snow and/or ice if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements.

B. Operational Restrictions

None

C. Monitoring and/or Record keeping Requirements

- 1. Except as otherwise provided in this section, the permittee shall perform inspections of each load-in operation at each storage pile in accordance with the following frequencies:

<u>Storage Pile Identification</u>	<u>Minimum Load-In Inspection Frequency</u>
all storage piles	once during each day of operation

- 2. Except as otherwise provided in this section, the permittee shall perform inspections of each load-out operation at each storage pile in accordance with the following frequencies:

<u>Storage Pile Identification</u>	<u>Minimum Load-Out Inspection Frequency</u>
all storage piles	once during each day of operation

3. Except as otherwise provided in this section, the permittee shall perform inspections of the wind erosion from pile surfaces associated with each storage pile in accordance with the following frequencies:

<u>Storage Pile Identification</u>	<u>Minimum Wind Erosion Inspection Frequency</u>
all storage piles	once during each day of operation

4. No inspection shall be necessary for wind erosion from the surface of a storage pile when the pile is covered with snow and/or ice and for any storage pile activity if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Any required inspection that is not performed due to any of the above identified events shall be performed as soon as such event(s) has (have) ended, except if the next required inspection is within one week.
5. The purpose of the inspections is to determine the need for implementing the control measures specified in this permit for load-in and load-out of a storage pile, and wind erosion from the surface of a storage pile. The inspections shall be performed during representative, normal storage pile operating conditions.
6. The permittee shall maintain records of the following information:
- a. the date and reason any required inspection was not performed, including those inspections that were not performed due to snow and/or ice cover or precipitation;
 - b. the date of each inspection where it was determined by the permittee that it was necessary to implement the control measures;
 - c. the dates the control measures were implemented; and
 - d. on a calendar quarter basis, the total number of days the control measures were implemented and the total number of days where snow and/or ice cover or precipitation were sufficient to not require the control measures.

The information required in (d) shall be kept separately for (i) the load-in operations, (ii) the load-out operations, and (iii) wind erosion from the pile surfaces, and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

D. Reporting Requirements

1. The permittee shall submit quarterly deviation reports, in accordance with the reporting requirements of the General Terms and Conditions of this permit, that identify any of the following occurrences:
 - a. each day during which an inspection was not performed by the required frequency, excluding an inspection which was not performed due to an exemption for snow and/or ice cover or precipitation; and
 - b. each instance when a control measure, that was to be implemented as a result of an inspection, was not implemented.

E. Testing Requirements

None

F. Miscellaneous Requirements

None

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

A. Applicable Emissions Limitations and/or Control Requirements

- 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 -(P001) - Diesel Fired Generator.

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05(C)	<p>Nitrogen oxides (NOx) emissions shall not exceed 7.25 pounds per hour (lbs/hr) and 7.25 tons per rolling, 12-month period.</p> <p>Carbon monoxide (CO) emissions shall not exceed 1.56 lbs/hr and 1.56 tons per rolling, 12-month period.</p> <p>Sulfur dioxide (SO2) emissions shall not exceed 0.48 lb per hour and 0.48 ton/rolling, 12-month period.</p> <p>Volatile organic compounds (VOC) emissions shall not exceed 0.59 lb/hr and 0.59 ton/rolling, 12-month period.</p> <p>Particulate matter equal to or less than 10 microns in size (PM10) shall not exceed 0.51 lb/hr and 0.51 ton per rolling, 12-month period (See A.2.g).</p> <p>See Sections A.2.a and A.2.b and B.2</p>
OAC rule 3745-17-07(A)	Visible particulate emissions (PE) shall not exceed 20% opacity, as a six-minute average, except as provided by rule.
OAC rule 3745-17-11(B)(5)(b)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(C).
OAC rule 3745-18-06	See A.2.c
OAC rule 3745-21-07(B)	See A.2.d
OAC rule 3745-21-08(B)	See A.2.d
OAC rule 3745-110-03	See A.2.e
40 CFR, Part 60, Subpart IIII	See A.2.f

2. Additional Terms and Conditions

- 2.a** The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to NO_x, SO₂, VOC and CO emissions from this air contaminant source since the calculated annual emission rates for NO_x, SO₂, VOC and CO emissions is each less than ten tons per year taking into account the federally enforceable restriction on the number of hours of operation under OAC rule 3745-31-05(C).
- 2.b** This permit establishes the following federally enforceable emission limitations based on an hours of operation restriction (See B.2) for purposes of avoiding Title V applicability.
- i. 7.25 tons NO_x per rolling, 12-month period;
 - ii. 1.56 tons CO per rolling, 12-month period;
 - iii. 0.59 ton VOC per rolling, 12-month period;
 - iv. 0.51 ton PM₁₀ per rolling, 12-month period and
 - v. 0.48 ton SO₂ per rolling, 12-month period.
- 2.c** This emissions unit is exempt from the requirements of OAC rule 3745-18-06, pursuant to OAC rule 3745-18-06(B).
- 2.d** The permittee has satisfied the "latest available control techniques and operating practices" required pursuant to OAC rule 3745-21-07(B) and the "best available control techniques and operating practices" required pursuant to OAC rule 3745-21-08(B) by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05(A)(3) in this Permit to Install.
- On November 5, 2002, OAC rule 3745-21-08 was revised to delete paragraph (B); therefore, paragraph (B) is no longer part of the State regulations. On February 18, 2008 Ohio EPA rescinded existing rule 3745-21-07 of the Ohio Administrative Code (OAC) and adopted a new rule 3745-21-07. The new OAC rule 3745-21-07 does not establish any requirements for this emissions unit. However, that rule revision and new rule have not yet been submitted to the 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 3745-21-08 and approves the new OAC rule 3745-21-07, the requirement to satisfy the "best available control techniques and operating practices" still exists as part of the federally-approved SIP for Ohio.
- 2.e** This emissions unit is exempt from this rule pursuant to OAC rule 3745-110-03(J)(3).
- 2.f** This emissions unit is subject to 40 CFR Part 60, Subpart IIII, Standards of Performance for Stationary Compression Ignition Internal Combustion. The

Processing + Recycling Materials, LLC
PTI Application: 03-17398
Issued: To be entered upon final issuance

Facility ID: 0303000196
Emissions Unit ID: P001

permittee shall comply with all applicable requirements of 40 CFR Part 60, Subpart IIII. The permittee shall also comply with all applicable requirements of 40 CFR Part 60, Subpart A. (General Provisions) as identified in Table 8 of 40 CFR Part 60, Subpart IIII.

2.g All emissions of particulate matter are PM10.

B. Operational Restrictions

1. The permittee shall combust only diesel fuel that meets the per gallon standards of 40 CFR 80.510.
2. The maximum annual hours of operation for this emissions unit shall not exceed 2000 hours per year, based upon a rolling 12-month summation of the operating hours. To ensure enforceability during the first 12 calendar months of operation following the issuance of this permit, the permittee shall not exceed the levels specified in the following table:

<u>Month(s)</u>	<u>Maximum Allowable hours of Operation</u>
1	300
1-2	600
1-3	900
1-4	1200
1-5	1500
1-6	1700
1-12	2000

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

C. Monitoring and/or Record keeping Requirements

1. The permittee shall maintain monthly records of the following information for this emissions unit:
 - a. the number of hours of operation;

- b. the calculated monthly emission rate for CO using the following equation; CO emissions (tons) = (# of hours of operation) x (potential hourly CO emissions (lbs/hr) x (1 ton/2000 lbs) = (C.1.a) x (1.56 lbs CO) x (1/2000 lbs);
 - c. the calculated monthly emission rate for NOx using the following equation: NOx emissions (tons) = (# of hours of operation) x (potential hourly NOx emissions (lbs/hr) x (1 ton/2000 lbs) = (C.1.a) x (7.25 lbs NOx) x (1/2000 lbs);
 - d. the calculated monthly emission rate of VOC using the following equation: VOC emissions (tons) = (# of hours of operation) x (potential hourly VOC emissions (lbs/hr) x (1 ton/2000 lbs) = (C.1.a) x (0.59 lb VOC) x (1/2000 lbs);
 - e. the calculated monthly emission rate of SO2 using the following equation: SO2 emissions (tons) = (# of hour of operation) x (potential hourly SO2 emissions (lbs/hr) x (1 ton/2000 lbs) = (C.1.a) x (0.48 lb SO2) x (1/2000 lbs);
 - f. the calculated monthly emission rate of PM10 using the following equation: PM10 emissions (tons) = (# of hours of operation) x (potential hourly PM10 emissions (lbs/hr) x (1 ton/2000 lbs) = (C.1.a) x (0.51 lb PM10) x (1/2000 lbs)
 - g. for the first 12 months of operation following the issuance of this permit, the cumulative year-to-date total number of hours of operation;
 - h. beginning the first month, after the first 12 months of operation following the issuance of this permit, the following summations:
 - i. the rolling, 12-month CO emission rate, in tons;
 - ii. the rolling, 12-month NOx emission rate, in tons;
 - iii. the rolling, 12-month VOC emission rate, in tons;
 - iv. the rolling, 12-month SO2 emission rate, in tons;
 - v. the rolling, 12-month PM10 emission rate, in tons;
 - v. the rolling, 12-month number of hours of operation.
2. For each day during which the permittee burns a fuel other than diesel fuel the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit. The permittee shall also maintain documentation on the sulfur content of all fuels burned.
3. The permittee shall use records of fuel supplier certification to demonstrate compliance with the operational restriction in Section B.1. Records of fuel supplier certification shall include the following information:
- a. the name of the oil supplier; and

- b. a statement from the oil supplier that the oil complies with the specifications under the definition of distillate oil in B.1 above.

D. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports which identify the following:
 - a. All exceedances of the rolling, 12-month restriction of 2000 hours.
 - b. All exceedances of the rolling, 12-month CO emission limitation of 1.56 tons.
 - c. All exceedances of the rolling, 12-month NOx emission limitation of 7.25 tons.
 - d. All exceedances of the rolling, 12-month VOC emission limitation of 0.59 ton.
 - e. All exceedances of the rolling, 12-month SO2 emission limitation of 0.48 ton.
 - f. All exceedances of the rolling, 12-month PM10 emission limitation of 0.51 ton.
 - g. For the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative hours of operation specified in section B.2.
 - h. All exceedances of the sulfur content fuel restriction specified in condition B.1.

These quarterly deviation (excursion) reports shall be submitted in accordance with the General Terms and Conditions of this permit.

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

E. Testing Requirements

1. Compliance with the emission limitations in Section A.1. of these terms and conditions shall be determined in accordance with the following methods:
 - a. Emissions Limitation:
1.56 lbs CO/hr

Applicable Compliance Method:

The hourly allowable CO emission limitation was developed by multiplying an AP-42 emission factor of 5.68E-03 lb/hp-hr (AP-42, Chapter 3.3 (10/1996, Table 3.3-1) by the maximum power output of 234 HP.

If required, compliance with the hourly allowable CO emission limitation shall be determined according to test Methods 1-4, and 10, as set forth in the "Appendix on Test Methods" in 40 CFR Part 60 "Standards of Performance for New Stationary Sources."

- b. Emissions Limitation:
7.25 lbs NOx/hr

Applicable Compliance Method:

The hourly allowable NOx emission limitation was developed by multiplying an AP-42 emission factor of 0.031 lb/hp-hr (AP-42, Chapter 3.3 (10/1996, Table 3.3-1) by the maximum power output of 234 HP and the conversion factor lb/454 gram.

If required, compliance with the hourly allowable NOx emission limitation shall be determined according to test Methods 1-4, and 7, as set forth in the Appendix on Test Methods" in 40 CFR Part 60 "Standards of Performance for New Stationary Sources."

- c. Emissions Limitation:
0.59 lb VOC/hr

Applicable Compliance Method:

The hourly allowable VOC emission limitation was developed by multiplying an AP-42 emission factor of 2.50E-03 lb/hp-hr (AP-42, Chapter 3.3(10/1996, Table 3.3-1) by the maximum power output of 234 HP.

If required, compliance with the hourly allowable VOC emission limitation shall be determined according to test Methods 1-4, and 25 or 25A, as set forth in the "Appendix on Test Methods" in 40 CFR Part 60 "Standards of Performance for New Stationary Sources."

- d. Emissions Limitation:
0.48 lb SO2/hr

Applicable Compliance Method:

The hourly allowable SO2 emission limitation was developed by multiplying an AP-42 emission factor of 2.05E-03 (AP-42, Chapter 3.3 (10/1996, Table 3.3-1) by the maximum power output of 234 HP.

If required, compliance with the hourly allowable SO2 emission limitation shall be determined according to test Methods 1-4, and 6 as set forth in the "Appendix on Test Methods" in 40 CFR Part 60 "Standards of Performance for New Stationary Sources."

Processing + Recycling Materials, LLC

PTI Application: 03-17398

Issued: To be entered upon final issuance

Facility ID: 0303000196

Emissions Unit ID: P001

- e. Emissions Limitations
 - 1.56 tons CO per rolling, 12-month period.
 - 7.25 tons NOx per rolling, 12-month period.
 - 0.59 ton VOC per rolling, 12-month period.
 - 0.48 ton SO₂/rolling, 12-month period.
 - 0.51 ton PM₁₀ per rolling, 12-month period

Applicable Compliance Method:

Compliance with the ton per rolling 12-month period emission limitations above shall be demonstrated by the record keeping requirements established in section C.1 of this permit.

f. Emissions Limitation:

0.51 lb PM/10/hr

Applicable Compliance Method:

The hourly allowable PM10 emission limitation was developed by multiplying an AP-42 emission factor of 2.20E-03 (AP-42, Chapter 3.3 (10/1996, Table 3.3-1) by the maximum power output of 234 HP.

If required, compliance with the hourly allowable PM10 emissions limitation shall be determined according to test Methods 201 and 202, as set forth in 40 CFR Part 51, Appendix M.

g. Emission Limitation

Visible PE from the stack serving this emissions unit shall not exceed 20% opacity, as a 6-minute average.

Applicable Compliance Method:

Compliance shall be demonstrated in accordance with OAC rule 3745-17-03(B)(1).

F. Miscellaneous Requirements

None

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

A. Applicable Emissions Limitations and/or Control Requirements

- 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 -(P002) - 100 HP Diesel Fired Water Pump Engine.

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05(C)	<p>Nitrogen oxides (NOx) emissions shall not exceed 3.10 pounds per hour (lbs/hr) and 3.10 tons per rolling, 12-month period.</p> <p>Carbon monoxide (CO) emissions shall not exceed 0.67 lb/hr and 0.67 ton per rolling, 12-month period.</p> <p>Sulfur dioxide (SO2) emissions shall not exceed 0.21 lb per hour and 0.21 ton/rolling, 12-month period.</p> <p>Volatile organic compounds (VOC) emissions shall not exceed 0.25 lb/hr and 0.25 ton/rolling, 12-month period.</p> <p>Particulate matter equal to or less than 10 microns in size (PM10) shall not exceed 0.22 lb/hr and 0.22 ton per rolling, 12-month period (See A.2.g).</p> <p>See Sections A.2.a and A.2.b and B.2.</p>
OAC rule 3745-17-07(A)	Visible particulate emissions (PE) shall not exceed 20% opacity, as a six-minute average, except as provided by rule.
OAC rule 3745-17-11(B)(5)(b)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(C).
OAC rule 3745-18-06	See A.2.c
OAC rule 3745-21-07(B)	See A.2.d
OAC rule 3745-21-08(B)	See A.2.d
OAC rule 3745-110-03	See A.2.e
40 CFR, Part 60 Subpart IIII	See A.2.f

2. Additional Terms and Conditions

- 2.a** The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to NO_x, SO₂, VOC and CO emissions from this air contaminant source since the calculated annual emission rate for NO_x, SO₂, VOC and CO emissions is each less than ten tons per year taking into account the federally enforceable restriction on the number of hours of operation under OAC rule 3745-31-05(C).
- 2.b** This permit establishes the following federally enforceable emission limitations based on an hours of operation restriction (See B.2) for purposes of avoiding Title V applicability:
- i. 3.10 tons NO_x per rolling, 12-month period;
 - ii. 0.67 ton CO per rolling, 12-month period;
 - iii. 0.25 ton VOC per rolling, 12-month period;
 - iv. 0.22 ton PM₁₀ per rolling, 12-month period and
 - v. 0.21 ton SO₂ per rolling, 12-month period.
- 2.c** This emissions unit is exempt from the requirements of OAC rule 3745-18-06, pursuant to OAC rule 3745-18-06(B).
- 2.d** The permittee has satisfied the "latest available control techniques and operating practices" required pursuant to OAC rule 3745-21-07(B) and the "best available control techniques and operating practices" required pursuant to OAC rule 3745-21-08(B) by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05(A)(3) in this Permit to Install.
- On November 5, 2002, OAC rule 3745-21-08 was revised to delete paragraph (B); therefore, paragraph (B) is no longer part of the State regulations. On February 18, 2008 Ohio EPA rescinded existing rule 3745-21-07 of the Ohio Administrative Code (OAC) and adopted a new rule 3745-21-07. The new OAC rule 3745-21-07 does not establish any requirements for this emissions unit. However, that rule revision and new rule have not yet been submitted to the 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 3745-21-08 and approves the new OAC rule 3745-21-07, the requirement to satisfy the "best available control techniques and operating practices" still exists as part of the federally-approved SIP for Ohio.
- 2.e** This emissions unit is exempt from this rule pursuant to OAC rule 3745-110-03(J)(3).

Processing + Recycling Materials, LLC
PTI Application: 03-17398
Issued: To be entered upon final issuance

Facility ID: 0303000196
Emissions Unit ID: P002

2.f This emissions unit is subject to 40 CFR Part 60, Subpart IIII, Standards of Performance for Stationary Compression Ignition Internal Combustion. The permittee shall comply with all applicable requirements of 40 CFR Part 60, Subpart IIII. The permittee shall also comply with all applicable requirements of 40 CFR Part 60, Subpart A. (General Provision) as identified in Table 8 of 40 CFR Part 60, Subpart IIII.

2.g All emissions of particulate matter are PM10.

B. Operational Restrictions

1. The permittee shall combust only diesel fuel that meets the per gallon standards of 40 CFR 80.510.
2. The maximum annual hours of operation for this emissions unit shall not exceed 2000 hours per year, based upon a rolling 12-month summation of the operating hours. To ensure enforceability during the first 12 calendar months of operation following the issuance of this permit, the permittee shall not exceed the levels specified in the following table:

<u>Month(s)</u>	<u>Maximum Allowable hours of Operation</u>
1	300
1-2	600
1-3	900
1-4	1200
1-5	1500
1-6	1700
1-12	2000

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

C. Monitoring and/or Record keeping Requirements

1. The permittee shall maintain mostly records of the following information for this emissions unit:
 - a. the number of hours of operation;

- b. the calculated monthly emission rate for CO using the following equation: CO emissions (tons) = (# of hours of operation) x (potential hourly CO emissions (lbs/hr) x (1 ton/2000 lbs) = (C.1.a) x (0.67 lb CO) x (1/2000 lbs);
 - c. the calculated monthly emission rate for NOx using the following equation: NOx emissions (tons) = (# of hours of operation) x (potential hourly NOx emissions (lbs/hr) x (1 ton/2000 lbs) = (C.1.a) x (3.10 lbs NOx) x (1/2000 lbs);
 - d. the calculated monthly emission rate of VOC using the following equation: VOC emissions (tons) = (# of hours of operation) x (potential hourly VOC emissions (lbs/hr) x (1 ton/2000 lbs) = (C.1.a) x (0.25 lb VOC) x (1/2000 lbs);
 - e. the calculated monthly emission rate of SO2 using the following equation: SO2 emissions (tons) = (# of hours of operation) x (potential hourly SO2 emissions (lb/hr) x (1 ton/2000 lbs) = (C.1.a) x (0.21 lb SO2) x (1/2000 lbs);
 - f. the calculated monthly emission rate of PM10 using the following equation: PM10 emissions (tons) = (# of hours of operation) x (potential hourly PM10 emissions (lbs/hr) x (1 ton/2000 lbs) = (C.1.a) x (0.22 lb PM10) x (1/2000 lbs)
 - g. for the first months of operation following the issuance of this permit, the cumulative year-to-date total number of hours of operation;
 - h. beginning the first month, after the first 12 months of operation following the issuance of this permit, the following summations:
 - i. the rolling, 12-month CO emission rate, in tons;
 - ii. the rolling, 12-month NOx emission rate, in tons;
 - iii. the rolling, 12-month VOC emission rate, in tons;
 - iv. the rolling, 12-month SO2 emission rate, in tons;
 - v. the rolling, 12-month PM10 emission rate, in tons; and
 - vi. the rolling, 12-month number of hours of operation.
2. For each day during which the permittee burns a fuel other than diesel fuel the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit. The permittee shall also maintain documentation on the sulfur content of all fuels burned.
3. The permittee shall use records of fuel supplier certification to demonstrate compliance with the operational restriction in section B.1. Records of fuel supplier certification shall include the following information:
- a. the name of the oil supplier; and

- b. a statement from the oil supplier that the oil complies with the specifications under the definition of distillate oil in B.1 above.

D. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports which identify the following:
 - a. All exceedances of the rolling, 12-month restriction of 2000 hours.
 - b. All exceedances of the rolling, 12-month CO emission limitation of 0.67 ton.
 - c. All exceedances of the rolling, 12-month NOx emission limitation of 3.10 tons.
 - d. All exceedances of the rolling, 12-month VOC emission limitation of 0.25 ton.
 - e. All exceedances of the rolling, 12-month SO2 emission limitation of 0.21 ton.
 - f. All exceedances of the rolling, 12-month PM10 emission limitation of 0.22 ton.
 - g. For the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative hours of operation specified in section B.2.
 - h. All exceedances of the sulfur content fuel restriction specified in condition B.1.

These quarterly deviation (excursion) reports shall be submitted in accordance with the General Terms and Conditions of this permit.

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

E. Testing Requirements

1. Compliance with the emission limitations in Section A.1. of these terms and conditions shall be determined in accordance with the following methods:
 - a. Emissions Limitation:
0.67 lb CO/hr

Applicable Compliance Method:

The hourly allowable CO emission limitation was developed by multiplying an AP-42 emission factor of 6.68E-03 lb/hp-hr (AP-42, Chapter 3.3 (10/1996, Table 3.3-1) by the maximum power output of 234 HP.

If required, compliance with the hourly allowable CO emission limitation shall be determined according to test Methods 1-4, and 10, as set forth in the "Appendix on Test Methods" in 40 CFR Part 60 "Standards of Performance for New Stationary Sources."

- b. Emissions Limitation:
3.10 lbs NOx/hr

Applicable Compliance Method:

The hourly allowable NOx emission limitation was developed by multiplying an AP-42 emission factor of 0.031 lb/hp-hr (AP-42, Chapter 3.3 (10/1996, Table 3.3-1) by the maximum power output of 234 HP and the conversion factor lb/454 gram.

If required, compliance with the hourly allowable NOx emission limitation shall be determined according to test Methods 1-4, and 7, as set forth in the "Appendix on Test Methods" in 40 CFR Part 60 "Standards of Performance for New Stationary Sources."

- c. Emissions Limitation
0.25 lb VOC/hr

Applicable Compliance Method:

The hourly allowable VOC emission limitation was developed by multiplying an AP-42 emission factor of 2.50E-03 lb/hp-hr (AP-42, Chapter 3.3 (10/1996, Table 3.3-1) by the maximum power output of 234 HP.

If required, compliance with the hourly allowable VOC emission limitation shall be determined according to test Methods 1-4, and 25 or 25A, as set forth in the "Appendix on Test Methods" in 40 CFR Part 60 "Standards of Performance for New Stationary Sources."

- d. Emissions Limitation:
0.21 lb SO2/hr

Applicable Compliance Method:

The hourly allowable SO2 emission limitation was developed by multiplying an AP-42 emission factor of 2.05E-03 (AP-42, Chapter 3.3 (10/1996, Table 3.3-1) by the maximum power output of 234 HP.

If required, compliance with the hourly allowable SO₂ emission limitation shall be determined according to test Methods 1-4, and 6 as set forth in the "Appendix on Test Methods" in 40 CFR Part 60 "Standards of Performance for New Stationary Sources."

- e. Emissions Limitations:
 - 0.67ton CO per rolling, 12-month period.
 - 3.10 tons NO_x per rolling, 12-month period.
 - 0.25 ton VOC per rolling, 12-month period.
 - 0.21 ton SO₂/rolling, 12-month period.
 - 0.22 ton PM₁₀ per rolling, 12-month period.

Applicable Compliance Method:

Compliance with the ton per rolling 12-month period emission limitations above shall be demonstrated by the record keeping requirements established in section C.1 of this permit.

- f. Emissions Limitation:
 - 0.22 lb PM₁₀/hr

Applicable Compliance Method:

The hourly allowable PM₁₀ emission limitation was developed by multiplying an AP-42 emission factor of 2.20E-03 (AP-42, Chapter 3.3 (10/1996, Table 3.3-1) by the maximum power output of 234 HP.

If required, compliance with the hourly allowable PM₁₀ emissions limitation shall be determined according to test Methods 201 and 202, as set forth in 40 CFR Part 51, Appendix M.

- g. Emissions Limitation:
 - Visible PE from the stack serving this emissions unit shall not exceed 20% opacity, as a 6-minute average.

Applicable Compliance Method:

Compliance shall be demonstrated in accordance with OAC rule 3745-17-03(B)(1).

F. Miscellaneous Requirements

None

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**A. Applicable Emissions Limitations and/or Control Requirements**

- 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 -(P901) - Screening and Washing Operations.

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05(C)	<u>Emissions from screening and material handling operations:</u> See A.2.b
OAC rule 3745-31-05(C)	<u>Emissions from diesel engine:</u> Nitrogen oxides (NOx) emissions shall not exceed 2.17 pounds per hour (lbs/hr) and 2.17 tons per rolling, 12-month period. Carbon monoxide (CO) emissions shall not exceed 0.47 lb/hr and 0.47 ton per rolling, 12-month period. Sulfur dioxide (SO ₂) emissions shall not exceed 0.14 lb per hour and 0.14 ton/rolling, 12-month period. Volatile organic compounds (VOC) emissions shall not exceed 0.18 lb/hr and 0.18 ton/rolling, 12-month period. Particulate matter equal to or less than 10 microns in size (PM ₁₀) shall not exceed 0.15 lb/hr and 0.15 ton per rolling, 12-month period (See A.2.a). See A.2.a and See A.2.f. Visible PE shall not exceed 10% opacity, as a 6-minute average, except during start-up and shutdown.
OAC rule 3745-17-11(B)(5)(a)	See A.2.c
OAC rule 3745-17-07(A)	See A.2.c
OAC rule 3745-18-06(G)	See A. 2.d
OAC rule 3745-21-07 (B)	See A.2.e
OAC rule 3745-21-08 (B)	See A.2.e

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-110-03	See A.2.n.
40 CFR, Part 60, Subpart IIII	See A.2.o.

2. Additional Terms and Conditions

2.a All PE is considered PM10.

2.b Permit to Install 03-17398 for this air contaminant source takes into account the following voluntary restrictions as proposed by the permittee for purposes of avoiding Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3):

- i. Sources with wet suppression technology and moisture carry-over.
- ii. 1.0 tons fugitive PE per year.
- iii. Visible PE restrictions (See A.2.k and A.2.l).
- iv. Synthetic minor limits for diesel generator.

2.c The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

2.d This emissions unit is exempt from the requirements of OAC rule 3745-18-06 pursuant to OAC rule 3745-18-06(B).

2.e The permittee has satisfied the "latest available control techniques and operating practices" required pursuant to OAC rule 3745-21-07(B) and the "best available control techniques and operating practices" required pursuant to OAC rule 3745-21-08(B) by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05(A)(3) in this Permit to Install.

On November 5, 2002, OAC rule 3745-21-08 was revised to delete paragraph (B); therefore, paragraph (B) is no longer part of the State regulations. On February 18, 2008 Ohio EPA rescinded existing rule 3745-21-07 of the Ohio Administrative Code (OAC) and adopted a new rule 3745-21-07. The new OAC rule 3745-21-07 does not establish any requirements for this emissions unit. However, that rule revision and new rule have not yet been submitted to the 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 3745-21-08 and approves the new OAC rule 3745-21-07, the requirement to satisfy the

"best available control techniques and operating practices" still exists as part of the federally-approved SIP for Ohio.

- 2.f** This permit establishes the following federally enforceable emission limitations based on the number of hours of operation restriction (See B.1) for purposes of limiting potential to emit (PTE):
- i. 2.17 tons NO_x per rolling, 12-month period
 - ii. 0.47 tons CO per rolling, 12-month period
 - iii. 0.14 ton SO₂ per rolling, 12-month period
 - iv. 0.18 ton VOC per rolling, 12-month period
 - v. 0.15 ton PM₁₀ per rolling, 12-month period
- 2.g** The processes and material handling operation(s) that are covered by this permit and subject to the above-mentioned requirements are listed below:
- Aggregate into Feeder
Feeder - Conveyor 1
Conveyor 1 - Screen
Screen - Conveyor 2
Screen - Conveyor 3
Screen - Conveyor 4
Conveyor 4 - Conveyor 5
- 2.h** The permittee shall employ best available control measures for the above-identified processes and material handling operations for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permit application, the permittee maintains that the inherent moisture content of the materials involved in the screening operation and associated material handling operations will in many instances be at a level which is more than sufficient to comply with applicable requirements. If at any time the inherent moisture content is not sufficient to meet the above applicable requirements, the permittee has committed to perform watering of the screening operation that will result in material with a sufficient moisture content that will minimize or eliminate visible emissions of fugitive dust for the screening operation and subsequent material handling operations.
- Nothing in this paragraph shall prohibit the permittee from employing other equally-effective control measures to ensure compliance.
- 2.i** For each material processing and handling operation that is not adequately enclosed, 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 above-mentioned applicable requirements. Any required implementation of the control measures shall continue during the operation of the material handling operations until further observation confirms that use of the control measures is unnecessary.

- 2.j** 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 3745-31-05.
- 2.k** Visible fugitive PM10 from the material processing equipment when processing concrete materials shall not exceed the following opacity restrictions:

Emissions Point (Company ID)	Equipment Type	Opacity Limit as a 6-minute average, unless otherwise specified	Regulatory Basis for Limit
Aggregate into Feeder	transfer point	20%, as a 3-minute average	OAC rule 3745-31-02 (A)
Feeder to Conveyor 1	transfer point	5%	OAC rule 3745-31-02 (A)
Conveyor 1 to Screen	screening	5%	OAC rule 3745-31-02 (A)
Screen to Conveyor 2	transfer point	5%	OAC rule 3745-31-02 (A)
Screen to Conveyor 3	transfer point	5%	OAC rule 3745-31-02 (A)
Screen to Conveyor 4	transfer point	5%	OAC rule 3745-31-02 (A)
Conveyor 4 to Conveyor 5	transfer point	5%	OAC rule 3745-31-02 (A)

- 2.l** Visible PM10 from the material processing equipment when processing non-concrete material shall not exceed the following opacity restrictions:

Emissions Point (Company ID)	Equipment Type	Opacity Limit as a 6-minute average, unless otherwise specified	Regulatory Basis for Limit
-------------------------------------	-----------------------	------------------------------------------------------------------------	-----------------------------------

Aggregate into Feeder	transfer point	20%, as a 3-minute average	OAC rule 3745-31-02 (A)
Feeder to Conveyor 1	transfer point	10%	OAC rule 3745-31-02 (A)
Conveyor 1 to Screen	screening	10%	OAC rule 3745-31-02 (A)
Screen to Conveyor 2	transfer point	10%	OAC rule 3745-31-02 (A)
Screen to Conveyor 3	transfer point	10%	OAC rule 3745-31-02 (A)
Screen to Conveyor 4	transfer point	10%	OAC rule 3745-31-02 (A)
Conveyor 4 to Conveyor 5	transfer point	10%	OAC rule 3745-31-02 (A)

- 2.m** The hourly emission limitations represent the potentials to emit for this emissions unit. Therefore, no additional monitoring, record keeping, or reporting requirements are necessary to ensure compliance with these emission limitations.
- 2.n** This emissions unit is exempt from this rule pursuant to OAC rule 3745-110-03(J)(3).
- 2.o** This emissions unit is subject to 40 CFR Part 60, Subpart IIII, Standards of Performance for Stationary Compression Ignition Internal Combustion. The permittee shall comply with all applicable requirements of 40 CFR Part 60, Subpart IIII. The permittee shall also comply with all applicable requirements of 40 CFR Part 60, Subpart A. (General Provisions) as identified in Table 8 of 40 CFR Part 60, Subpart IIII.

B. Operational Restrictions

1. The permittee shall combust only diesel fuel that meets the per gallon standards of 40 CFR 80.510.
2. The maximum annual hours of operation for this emissions unit shall not exceed 2000 hours per year, based upon a rolling 12-month summation of the operating hours. To ensure enforceability during the first 12 calendar months of operation following the issuance of this permit, the permittee shall not exceed the levels specified in the following table:

<u>Month(s)</u>	<u>Maximum Allowable hours of Operation</u>
1	300
1-2	600
1-3	900
1-4	1200
1-5	1500
1-6	1700
1-12	2000

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

C. Monitoring and/or Record keeping Requirements

1. The permittee shall maintain monthly records of the following information for this emissions unit:
 - a. the number of hours of operation;
 - b. the calculated monthly emission rate for CO using the following equation: CO emissions (tons) = (# of hours of operation) x (potential hourly CO emissions (lbs/hr) x (1 ton/2000 lbs) = (C.1.a) x (0.47 lb CO) x (1/2000 lbs);
 - c. the calculated monthly emission rate for NOx using the following equation: NOx emissions (tons) = (# of hours of operation) x (potential hourly NOx emissions (lbs/hr) x (1 ton/2000 lbs) = (C.1a) x (2.17 lbs NOx) x (1/2000 lbs);
 - d. the calculated monthly emission rate of VOC using the following equation: VOC emissions (tons) = (# of hours of operation) x (potential hourly NOx emissions (lbs/hr) x (1 ton/2000 lbs) = (C.1a) x (0.18 lb VOC) x (1/2000 lbs);
 - e. the calculated monthly emission rate of SO2 using the following equation: SO2 emissions (tons) = (# of hours of operation) x (potential hourly SO2 emissions (lbs/hr) x (1 ton/2000 lbs) = (C.1.a) x (0.14 lb SO2) x (1/2000 lbs);
 - f. the calculated monthly emission rate of PM 10 using the following equation: PM10 emissions (tons) = (# of hours of operation) x (potential hourly PM10 emissions (lbs/hr) x (1 ton/2000 lbs) = (C.1.a) x (0.15 lbs PM10) x (1/2000 lbs)

- g. for the first 12 months of operation following the issuance of this permit, the cumulative year-to-date total number of hours of operation;
 - h. beginning the first month, after the first 12 months of operation following the issuance of this permit, the following summations:
 - i. the rolling, 12-month CO emission rate, in tons;
 - ii. the rolling, 12-month NOx emission rate, in tons;
 - iii. the rolling, 12-month VOC emission rate, in tons;
 - iv. the rolling, 12-month SO2 emission rate, in tons;
 - v. the rolling, 12-month PM10 emission rate, in tons; and
 - vi. the rolling, 12-month number of hours of operation.
2. For each day during which the permittee burns a fuel other than diesel fuel the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit. The permittee shall also maintain documentation on the sulfur content of all fuels burned.
3. The permittee shall use records of fuel supplier certification to demonstrate compliance with the operational restriction in section B.1. Records of fuel supplier certification shall include the following information:
- a. the name of the oil supplier; and
 - b. a statement from the oil supplier that the oil complies with the specifications under the definition of distillate oil in B.1 above.
4. Except as otherwise provided in this section, for each material processing and handling operation that is not adequately enclosed, the permittee shall perform inspections of such material processing and handling operations in accordance with the following minimum frequencies:
- | <u>Material Processing/Handling Operations</u> | <u>Minimum Inspection Frequency</u> |
|------------------------------------------------|-------------------------------------|
| All | Once During Each Day of Operation |
5. The above-mentioned inspections shall be performed during representative, normal operating conditions.
6. The permittee shall maintain records of the following information:
- a. the date and reason any required inspection was not performed.
 - b. the date of each inspection where it was determined by the permittee that it was necessary to implement the control measures:
 - c. the dates the control measures were implemented; and

- d. on a calendar quarter basis, the total number of days the control measures were implemented.

The information in 6.d. shall be kept separately for each material handling operation identified above, and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

D. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports which identify the following:
 - a. All exceedances of the rolling, 12-month restriction of 2000 hours.
 - b. All exceedances of the rolling, 12-month CO emission limitation of 0.47 ton.
 - c. All exceedances of the rolling, 12-month NOx emission limitation of 2.17 tons.
 - d. All exceedances of the rolling, 12-month VOC emission limitation of 0.18 ton.
 - e. All exceedances of the rolling, 12-month SO2 emission limitation of 0.14 ton.
 - f. All exceedances of the rolling, 12-month PM10 emission limitation of 0.15 ton.
 - g. For the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative hours of operation specified in section B.2.
 - h. All exceedances of the sulfur content fuel restriction specified in condition B.1.

These quarterly deviation (excursion) reports shall be submitted in accordance with the General Terms and Conditions of this permit.

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

These quarterly deviation reports shall be submitted in accordance with the General Terms and Conditions of this permit.

E. Testing Requirements

1. Compliance with the emissions limitations in section A.1 of these terms and conditions shall be determined in accordance with the following methods:

- a. Emissions Limitation:
0.47 lb CO/hr

Applicable Compliance Method:

The hourly allowable CO emission limitation was developed by multiplying an AP-42 emission factor of 6.68E-03 lb/hp-hr (AP-42, Chapter 3.3 (10/1996, Table 3.3.1) by the maximum power output of 234 HP.

If required, compliance with the hourly allowable CO emission limitation shall be determined according to test Methods 1-4, and 10, as set forth in the "Appendix on Test Methods" in 40 CFR Part 60 "Standards of Performance for New Stationary Sources."

- b. Emission Limitation:
2.17 lbs NOx/hr

Applicable Compliance Method:

The hourly allowable NOx emission limitation was developed by multiplying an AP-42 emission factor of 0.031 lb/hp-hr (AP-42, Chapter 3.3 (10/1996, Table 3.3-1) by the maximum power output of 234 HP and the conversion factor lb/454 gram.

If required, compliance with the hourly allowable NOx emission limitation shall be determined according to test Methods 1-4, and 7, as set forth in the "Appendix on Test Methods" in 40 CFR Part 60 "Standards of Performance for New Stationary Sources."

- c. Emissions Limitation:
0.18 lb VOC/hr

Applicable Compliance Method:

The hourly allowable VOC emission limitation was developed by multiplying an AP-42 emission factor of 2.50E-03 lb/hp-hr (AP-42, Chapter 3.3 (10/1996, Table 3.3-1) by the maximum power output of 234 HP.

If required, compliance with the hourly allowable VOC emission limitation shall be determined according to test Methods 1-4, and 18, 25 or 25A, as set forth in the

"Appendix on test Methods" in 40 CFR Part 60 "Standards of Performance for New Stationary Sources."

- d. Emission Limitation:
0.14 lb SO₂/hr

Applicable Compliance Method:

The hourly allowable SO₂ emission limitation was developed by multiplying an AP-42 emission factor of 2.05E-03 (AP-42, Chapter 3.3 (10/1996, Table 3.3-1) by the maximum power output of 234 HP.

If required, compliance with the hourly allowable SO₂ emission limitation shall be determined according to test Methods 1-4, and 6 as set forth in the "Appendix on Test Methods" in 40 CFR Part 60 "Standards of Performance for New Stationary Sources."

- e. Emissions Limitations:
0.67 ton CO per rolling, 12-month period.
3.10 tons NO_x per rolling, 12-month period.
0.25 ton VOC per rolling, 12-month period.
0.21 ton SO₂/rolling, 12-month period.
0.22 ton PM₁₀ per rolling, 12-month period.

Applicable Compliance Method:

Compliance with the ton per rolling 12-month period emission limitations above shall be demonstrated by the record keeping requirements established in section C.1 of this permit.

- f. Emissions Limitation:
0.15 lb PM₁₀/hr

Applicable Compliance Method:

The hourly allowable PM₁₀ emission limitation was developed by multiplying an AP-42 emission factor of 2.20E-03 (AP-42, Chapter 3.3 (10/1996, Table 3.3-1) by the maximum power output of 234 HP.

If required, compliance with the hourly allowable PM₁₀ emissions limitation shall be determined according to test Methods 201 and 202, as set forth in 40 CFR, Part 51, Appendix M.

- g. Emissions Limitation
Visible PE from the stack serving this emissions unit shall not exceed 20% opacity, as a 6-minute average.

Applicable Compliance Method:

Processing + Recycling Materials, LLC

PTI Application: 03-17398

Issued: To be entered upon final issuance

Facility ID: 0303000196

Emissions Unit ID: P901

Compliance shall be demonstrated in accordance with OAC rule 3745-17-03(B)(1).

Processing + Recycling Materials, LLC

PTI Application: 03-17398

Issued: To be entered upon final issuance

Facility ID: 0303000196

Emissions Unit ID: P901

F. Miscellaneous Requirements

None