John R. Kasich, Governor
Mary Taylor, Lt. Governor
Craig W. Butler, Director

3/23/2015

Certified Mail

John Butler
Rumpke Sanitary Landfill, Inc.
10795 Hughes Road
Cincinnati, OH 45251-4598

Facility ID: 1431092049
Permit Number: P0104646
County: Hamilton

RE: DRAFT AIR POLLUTION TITLE V PERMIT
Permit Type: Renewal

Dear Permit Holder:

A draft of the OAC Chapter 3745-77 Title V permit for the referenced facility has been issued. The purpose of this draft is to solicit public comments. A public notice will appear in the Ohio Environmental Protection Agency (EPA) Weekly Review and the local newspaper, The Cincinnati Enquirer. A copy of the public notice, the Statement of Basis, and the draft permit are enclosed. This permit can be accessed electronically on the Division of Air Pollution Control (DAPC) Web page, www.epa.ohio.gov/dapc by clicking the "Search for Permits" link under the Permitting topic on the Programs tab. Comments will be accepted as a marked-up copy of the draft permit or in narrative format. Any comments must be sent to the following:

Andrew Hall
Permit Review/Development Section
Ohio EPA, DAPC
50 West Town Street, Suite 700
P.O. Box 1049
Columbus, Ohio 43216-1049

and

Southwest Ohio Air Quality Agency
250 William Howard Taft Rd.
Cincinnati, OH 45219

Comments and/or a request for a public hearing will be accepted within 30 days of the date the notice is published in the newspaper. You will be notified if a public hearing is scheduled. A decision on processing the Title V permit will be made after consideration of comments received and oral testimony if a public hearing is conducted. You will then be provided with a Preliminary Proposed Title V permit and another opportunity to comment prior to the 45-day Proposed Title V permit submittal to U.S. EPA Region 5. The permit will be issued final after U.S. EPA review is completed and no objections to the final issuance have been received. If you have any questions, please contact Southwest Ohio Air Quality Agency at (513)946-7777.

Sincerely,

Erica R. Engel-Ishida, Manager
Permit Issuance and Data Management Section, DAPC

Cc: U.S. EPA Region 5 - *Via E-Mail Notification*
SWOAQA; Indiana; Kentucky

PUBLIC NOTICE
3/23/2015 Issuance of Draft Air Pollution Title V Permit

Rumpke Sanitary Landfill, Inc.
10795 Hughes Road,
Cincinnati, OH 45251-4598
Hamilton County
FACILITY DESC.: Solid Waste Landfill
PERMIT #: P0104646
PERMIT TYPE: Renewal
PERMIT DESC: Renewal of Title V Operating Permit for municipal solid waste landfill and supporting operations, including composting, material handling, odor control, surface coating of containers and vehicles, and internal combustion engines.

The Director of the Ohio Environmental Protection Agency issued the draft permit above. The permit and complete instructions for requesting information or submitting comments may be obtained at: http://epa.ohio.gov/dapc/permitsonline.aspx by entering the permit # or: Bonnie Pray, Southwest Ohio Air Quality Agency, 250 William Howard Taft Rd., Cincinnati, OH 45219. Ph: (513)946-7777

Statement of Basis For Air Pollution Title V Permit

Facility ID:	1431092049
Facility Name:	Rumpke Sanitary Landfill, Inc.
Facility Description:	municipal solid waste landfill
Facility Address:	10795 Hughes Road, Cincinnati, OH 45251-4598
Permit #:	P0104646, Renewal

This facility is subject to Title V because it is major for:
☐ Lead ☐ Sulfur Dioxide ☒ Carbon Monoxide ☒ Volatile Organic Compounds ☒ Nitrogen Oxides
☒ Particulate Matter 10 microns ☒ Single Hazardous Air Pollutant ☒ Combined Hazardous Air Pollutants
☒ Maximum Available Control Technology Standard(s) ☒ GHG ☐ Title IV

A. Standard Terms and Conditions

Has each insignificant emissions unit been reviewed to confirm it meets the definition in OAC rule 3745-77-01(U)?	Yes. The insignificant emissions units (IEUs) that have applicable state and/or federally-enforceable requirements are included in the terms and conditions in Section B. All other IEUs at this facility are excluded from the requirements to obtain installation or operating permits pursuant to OAC rules 3745-15-05 and 3745-31-03 and have no applicable federally enforceable requirements; therefore, these IEUs are not included in the terms and conditions of this permit pursuant to OAC rule 3745-77-07(A)(13).
Were there any "common control" issues associated with this facility? If yes, provide a summary of those issues and explain how the DAPC decided to resolve them.	No
Please identify the affected unit(s) and associated PTI, if applicable, along with a brief description of any changes to the permit document that qualify as a minor permit modification per OAC rule 3745-77-08(C)(1)	N/A
Please identify the affected unit(s) and associated PTI, if applicable, along with a brief description of any changes to the permit document that qualify as a significant permit	N/A

modification per OAC rule 3745-77-08(C)(3)	
Please identify the affected unit(s)and associated PTI, if applicable, along with a brief description of any changes to the permit document that qualify as a reopening per OAC rule 3745-77-08(D)	N/A
Please identify the affected unit(s) and associated PTI, if applicable, along with a brief description of any changes to the permit document resulting from a renewal per OAC rule 3745-77-08(E)	This permit renewal action incorporates several new federal rule applicability requirements for NESHAP and NSPS rules as noted in Section B. of the permit terms. This permit renewal also incorporates numerous PTI actions since the 2004 Title V issuance which are included by reference (PTI #) in the specific emissions unit terms and conditions for EU F001, F012, F013,F014, F015, F016, F017, P003, P018, P019, P020, and P902 in Section C. of the permit. These PTI actions reflect landfill expansion and gas collection projects and changes/additions to composting, portable material processing, diesel engine, and odor control operations since the 2004 Title V permit issuance.
Please identify the affected unit(s) and pollutant(s) for which a Compliance Assurance Monitoring (CAM) Plan is required per 40 CFR 64. Provide more emissions unit specific detail in Section C.	Emissions unit P902 employs control devices to comply with emission limitations; however, EU P902 is not subject to CAM requirements in 40 CFR Part 64 since 40 CFR Part 63, Subpart AAAA applies to the source and affected pollutant (VOC/NMOC). [ref 64.2(b)(1)(i)].

B. Facility-Wide Terms and Conditions

Term and Condition (paragraph)	Basis		Comments
	SIP (3745-)	Other	
B.2.	77-07(A)(1)	N	Clarifying term to indicate emissions units associated with storage piles authorized by terms and conditions if this permit and the underlying PTIs for these sources.
B.3.	N	40 CFR Part 60, Subparts A and IIII	Clarifying and reference term for rule applicability determination regarding emissions units contained in the permit subject to the Standards of Performance for Stationary Compression Ignition Internal Combustion Engines (NSPS): P001, P018, P063, P064, P076, and P080.
B.4.	N	40 CFR Part 60, Subparts A and OOO	Clarifying and reference term for rule applicability determination regarding emissions units contained in the permit subject to the Standards of Performance for Nonmetallic Mineral Processing Plants (NSPS): F007, F009, F016, and F017.
B.5.	N	40 CFR Part 60, Subparts	Clarifying and reference term for rule applicability determination regarding emissions units contained in the permit subject to the Standards of Performance for Municipal Solid Waste Landfills (NSPS): P902.

		A and WWW	
B.6.	N	40 CFR Part 63, Subparts A and AAAA	Clarifying and reference term for rule applicability determination regarding emissions units contained in the permit subject to the National Emission Standards for Hazardous Air Pollutants (NESHAP) for Municipal Solid Waste Landfills: P902.
B.7.	N	40 CFR Part 63, Subparts A and MMMM	Clarifying and reference term for rule applicability determination regarding emissions units contained in the permit subject to the National Emission Standards for Hazardous Air Pollutants (NESHAP) for Miscellaneous Metal Parts and Products Surface Coating Operations: K001.
B.8.	N	40 CFR Part 63, Subparts A and ZZZZ	Clarifying and reference term for rule applicability determination regarding emissions units contained in the permit subject to the National Emission Standards for Hazardous Air Pollutants (NESHAP) for Stationary Reciprocating Internal Combustion Engines: P001, P008, P010, P018, P019, P020, P031, P041, P063, P064, P076, P080, and P086.
B.9.	77-07(A)(13)	N	Listing of insignificant emissions units that are subject to SIP-approved and/or federal regulations.

C. Emissions Unit Terms and Conditions

Key:
EU = emissions unit ID
ND = negative declaration (i.e., term that indicates that a particular rule(s) is (are) not applicable to a specific emissions unit)
OR = operational restriction
M = monitoring requirements
ENF = did noncompliance issues drive the monitoring requirements?
R = record keeping requirements
Rp = reporting requirements
ET = emission testing requirements (not including compliance method terms)
St = streamlining term used to replace a PTI monitoring, record keeping, or reporting requirement with an equivalent or more stringent requirement
Misc = miscellaneous requirements

EU(s)	Limitation	Basis		ND	OR	M	ENF	R	Rp	ET	St	Misc	Comments
		SIP (3745-)	Other										
F001	Visible emissions of fugitive dust shall not exceed 5% opacity and use of BACM	N	3745-31-05(A)(3)	N	N	Y	N	Y	Y	N	N	N	ET: Compliance is demonstrated by visible emissions monitoring and record keeping and the use of control measures. If required, compliance shall be demonstrated by Method 9 visible emissions observations. All requirements for this EU have been transferred from the PTI.
F001	PE shall not	N	3745-31-05(A)(3)	N	N	N	N	N	N	N	N	N	M, R, Rp, ET: The ton per year emission limitations are

	exceed 148.21 TPY. PM_{10} shall not exceed 34.16 TPY.												based on the emissions unit's potential to emit based upon use of control measures (i.e. watering/dust suppressants) at the maximum potential vehicle miles traveled, and US EPA AP-42 emission factors. All requirements for this EU have been transferred from the PTI.
F001 F004 F007 F009 F010 F011 F012 F013 F014 F015 F016 F017 F018 P902	Visible emission limits for fugitive dust and use of RACM	17-07(B) and 17-08(B)	N	Y	N	N	N	N	N	N	N	N	ND: Emissions units operating at this facility are not located within areas identified in Appendix A of OAC rule 3745-17-08; therefore the emissions units are not subject to the fugitive dust requirements of these rules. If any portable emissions units (F007, F009, F012, F013, F016, F017) are re-located to Appendix A areas, these rules will apply as noted in the permit terms and conditions.
F004	Visible particulate emissions (fugitive) shall not exceed 20% opacity	N	3745-31-05(A)(3)	N	N	Y	N	Y	Y	N	N	N	ET: Compliance is demonstrated by visible emissions monitoring and record keeping and the use of control measures. If required, compliance shall be demonstrated by Method 9 visible emissions observations. All requirements for this EU have been transferred from the PTI.
F004	PE shall not exceed 106.52 lbs/day and 16.96 TPY. PM_{10} shall not exceed 54.47 lbs/day and 8.68 TPY.	N	3745-31-05(A)(3)	N	Y	Y	N	Y	Y	N	N	N	OR: Permit terms contain daily and annual production rate limitations to demonstrate compliance with emission limitations. ET: Compliance with emission limitation determined by monitoring and record keeping requirements which include daily and annual production data. All requirements for this EU have been transferred from the PTI.
F004	PE shall not exceed 0.21 lb/hour from the exhaust	N	3745-31-05(A)(3)	N	N	N	N	N	N	N	N	N	M, R, Rp, ET: Emission limitation is based upon the potential to emit of the emissions unit at maximum drilling capacity. If required, the permittee shall conduct emission testing using Method 5 to demonstrate compliance.

	stack of the drilling operation.												
F004	Visible particulate emissions (stack) shall not exceed 20% opacity	17-07(A)(1)	N	N	N	Y	N	Y	Y	N	N	N	ET: Compliance is demonstrated by visible emissions monitoring and record keeping and the use of control measures. If required, compliance shall be demonstrated by Method 9 visible emissions observations. All requirements for this EU have been transferred from the PTI.
F007	PE shall not exceed 4.08 lb/hr and PM_{10} shall not exceed 0.50 lb/hr excluding storage piles	N	3745-31-05(A)(3)	N	N	N	N	N	N	N	N	N	M, R, Rp, ET: Emission limitations are based upon the potential to emit of the emissions unit based upon use of control measures (i.e. watering/dust suppressants) at the maximum rated equipment capacity and US EPA AP-42 emission factors. All requirements for this EU have been transferred from the PTI.
F007	PE shall not exceed 10.79 TPY and PM_{10} shall not exceed 2.85 TPY including storage piles	N	3745-31-05(A)(3)	N	Y	Y	N	Y	Y	N	N	N	OR: Permit terms contain material processing rate limitations to demonstrate compliance with emission limitations. ET: Compliance with emission limitation determined by monitoring and record keeping requirements which include production data. All requirements for this EU have been transferred from the PTI.
F007	No fugitive visible emissions from storage piles, except for 1 minute during 60-minute period	N	3745-31-05(A)(3)	N	Y	Y	N	Y	Y	N	N	N	OR: Permit terms contain work practices to minimize fugitive dust in order to demonstrate compliance with emission limitation. ET: Compliance is demonstrated by visible emissions monitoring and record keeping and the use of control measures. If required, compliance shall be demonstrated by Method 22 visible emissions observations. All requirements for this EU have been transferred from the PTI.
F007 F009 F016 F017	Fugitive emissions from screens, conveyors, etc. shall not exceed 10%	N	40 CFR 60, Subpart OOO	Y	N	N	N	N	Y	Y	N	N	ND: The requirements of this rule only apply to these emissions units when processing nonmetallic mineral material subject to this rule. M, R: In accordance with this federal rule, compliance will be demonstrated by visible emission performance testing.

	opacity												
F007 F009 F016 F017	Fugitive emissions from crushers shall not exceed 15% opacity	N	40 CFR 60, Subpart OOO	Y	N	N	N	N	Y	Y	N	N	ND: The requirements of this rule only apply to these emissions units when processing nonmetallic mineral material subject to this rule. M, R: In accordance with this federal rule, compliance will be demonstrated by visible emission performance testing.
F009	PE shall not exceed 17.36 lb/hr and PM_{10} shall not exceed 7.46 lb/hr	N	3745-31-05(A)(3)	N	N	N	N	N	N	N	N	N	M, R, Rp, ET: Emission limitations are based upon the potential to emit of the emissions unit based upon use of control measures (i.e. moisture content, watering/dust suppressants) at the maximum rated equipment capacity and US EPA AP-42 emission factors. All requirements for this EU have been transferred from the PTI.
F009	PE shall not exceed 59.26 lbs/day and 32.5 TPY. PM_{10} shall not exceed 29.55 lbs/day and 13.95 TPY.	N	3745-31-05(A)(3)	N	Y	Y	N	Y	Y	N	N	N	OR: Permit terms contain daily and annual material throughput limitations to demonstrate compliance with emission limitations. ET: Compliance with emission limitation determined by monitoring and record keeping requirements which include daily and annual material throughput data. All requirements for this EU have been transferred from the PTI
F010	No fugitive visible emissions from storage piles, except for 1 minute during 60-minute period and BACM	N	3745-31-05(A)(3)	N	N	Y	N	Y	Y	N	N	N	ET: Compliance is demonstrated by visible emissions monitoring and record keeping and the use of control measures. If required, compliance shall be demonstrated by Method 22 visible emissions observations. All requirements for this EU have been transferred from the PTI.
F010	PE shall not exceed 26.8 TPY and PM_{10} shall not exceed 13.4 TPY	N	3745-31-05(A)(3)	N	Y	Y	N	Y	Y	N	N	N	OR: Permit terms contain material throughput limitations to demonstrate compliance with emission limitations. ET: Compliance with emission limitations determined by monitoring and record keeping requirements which include material throughput data. All requirements for this EU have been transferred from the PTI.

F011	PE shall not exceed 0.34 lb/hr and PM_{10} shall not exceed 0.16 lb/hr	N	3745-31-05(A)(3)	N	N	N	N	N	N	N	N	N	M, R, Rp, ET: Emission limitations are based upon the potential to emit of the emissions unit based upon use of control measures (i.e. watering/dust suppressants) at the maximum rated processing capacity and US EPA AP-42 emission factors. All requirements for this EU have been transferred from the PTI.
F011	PE shall not exceed 0.63 TPY and PM_{10} shall not exceed 0.30 TPY	N	3745-31-05(A)(3)	N	Y	Y	N	Y	Y	N	N	N	OR: Permit terms contain material throughput limitations to demonstrate compliance with emission limitations. ET: Compliance with emission limitations determined by monitoring and record keeping requirements which include material throughput data. All requirements for this EU have been transferred from the PTI.
F011 F012 F013 F016 F017	Visible particulate emissions (fugitive) shall not exceed 20% opacity and BACM	N	3745-31-05(A)(3)	N	N	Y	N	Y	Y	N	N	N	ET: Compliance is demonstrated by visible emissions monitoring and record keeping and the use of control measures. If required, compliance shall be demonstrated by Method 9 visible emissions observations. All requirements for this EU have been transferred from the PTI.
F012	PE shall not exceed 1.51 lb/hr and PM_{10} shall not exceed 0.83 lb/hr	N	3745-31-05(A)(3)	N	N	N	N	N	N	N	N	N	M, R, Rp, ET: Emission limitations are based upon the potential to emit of the emissions unit based upon use of control measures (i.e. watering) at the maximum rated processing capacity and US EPA AP-42 emission factors. All requirements for this EU have been transferred from the PTI.
F012 F013	PE shall not exceed 0.60 TPY and PM_{10} shall not exceed 0.33 TPY	N	3745-31-05(A)(3)	N	Y	Y	N	Y	Y	N	N	N	OR: Permit terms contain material throughput limitations to demonstrate compliance with emission limitations. ET: Compliance with emission limitations determined by monitoring and record keeping requirements which include material throughput data. All requirements for this EU have been transferred from the PTI.
F013	PE shall not exceed 1.01 lb/hr and PM_{10} shall not exceed 0.56 lb/hr	N	3745-31-05(A)(3)	N	N	N	N	N	N	N	N	N	M, R, Rp, ET: Emission limitations are based upon the potential to emit of the emissions unit based upon use of control measures (i.e. watering) at the maximum rated processing capacity and US EPA AP-42 emission factors. All requirements for this EU have been transferred from the PTI.

F014	PE shall not exceed 1.07 TPY and PM_{10} shall not exceed 0.53 TPY	N	3745-31-05(A)(3)	N	Y	Y	N	Y	Y	N	N	N	OR: Permit terms contain material throughput limitations to demonstrate compliance with emission limitations. ET: Compliance with emission limitations determined by monitoring and record keeping requirements which include material throughput data. All requirements for this EU have been transferred from the PTI.
F015	PE shall not exceed 4.81 TPY and PM_{10} shall not exceed 1.27 TPY	N	3745-31-05(A)(3)	N	N	Y	N	Y	Y	N	N	N	M, R, Rp, ET: The ton per year emission limitations are based on the emissions unit's potential to emit based upon use of control measures (i.e. watering/dust suppressants) at the maximum potential vehicle miles traveled, and US EPA AP-42 emission factors. All requirements for this EU have been transferred from the PTI.
F016	PE shall not exceed 14.80 lb/hr and PM_{10} shall not exceed 7.38 lb/hr	N	3745-31-05(A)(3)	N	N	N	N	N	N	N	N	N	M, R, Rp, ET: Emission limitations are based upon the potential to emit of the emissions unit at the maximum rated processing capacity and US EPA AP-42 emission factors. All requirements for this EU have been transferred from the PTI.
F016	PE shall not exceed 27.71 TPY and PM_{10} shall not exceed 13.82 TPY	N	3745-31-05(A)(3)	N	Y	Y	N	Y	Y	N	N	N	OR: Permit terms contain material throughput limitations to demonstrate compliance with emission limitations. ET: Compliance with emission limitations determined by monitoring and record keeping requirements which include material throughput data. All requirements for this EU have been transferred from the PTI.
F017	PE shall not exceed 6.71 lb/hr and PM_{10} shall not exceed 0.89 lb/hr	N	3745-31-05(A)(3)	N	N	N	N	N	N	N	N	N	M, R, Rp, ET: Emission limitations are based upon the potential to emit of the emissions unit at the maximum rated processing capacity and US EPA AP-42 emission factors. All requirements for this EU have been transferred from the PTI.
F017	PE shall not exceed 12.56 TPY and PM_{10} shall not exceed 1.66 TPY	N	3745-31-05(A)(3)	N	Y	Y	N	Y	Y	N	N	N	OR: Permit terms contain material throughput limitations to demonstrate compliance with emission limitations. ET: Compliance with emission limitations determined by monitoring and record keeping requirements which include material throughput data. All requirements for this EU have been transferred from the PTI.

F018	PE shall not exceed 37.5 TPY and PM_{10} shall not exceed 18.74 TPY	N	3745-31-05(A)(3)	N	Y	Y	N	Y	Y	N	N	N	OR: Permit terms contain material throughput limitations to demonstrate compliance with emission limitations. ET: Compliance with emission limitations determined by monitoring and record keeping requirements which include material throughput data. All requirements for this EU have been transferred from the PTI.
F018	No fugitive visible emissions from storage piles, except for 1 minute during 60-minute period and BACM	N	3745-31-05(A)(3)	N	Y	Y	N	Y	Y	N	N	N	OR: Permit terms contain work practices to minimize fugitive dust in order to demonstrate compliance with emission limitation. ET: Compliance is demonstrated by visible emissions monitoring and record keeping and the use of control measures. If required, compliance shall be demonstrated by Method 22 visible emissions observations. All requirements for this EU have been transferred from the PTI.
K001	VOC emissions shall not exceed 70 lbs/day and 12.6 TPY from coatings. Acetone emissions shall not exceed 33.0 lbs/day and 4.62 TPY.	N	3745-31-05(A)(3)	N	Y	Y	N	Y	Y	N	N	N	OR: Permit terms contain daily and annual coating and acetone usage limitations to demonstrate compliance with emission limitations. ET: Compliance with emission limitations determined by monitoring and record keeping requirements which include coating and acetone usage data. All requirements for this EU have been transferred from the PTI.
K001 K002	PE/PM_{10} shall not exceed 0.551 lb/hr and 2.41 TPY.	N	3745-31-05(A)(3)	N	N	N	N	N	N	N	N	N	M, R, Rp, ET: Emission limitations are greater than the potential emit of the emissions unit at the maximum coating solids application rate and control efficiency of the filter media. If required, the permittee shall conduct emission testing using Method 5 to demonstrate compliance. All requirements for this EU have been transferred from the PTI.
K001 K002	Visible particulate emissions	17-07(A)(1)	N	N	N	N	N	N	N	N	N	N	M, R, Rp, ET – Method 9 visible emissions observations will be conducted if necessary to demonstrate compliance.

	(stack) shall not exceed 20%												
K001	Coatings shall not exceed 3.5 lbs VOC/gal of coating	21-09(U)(1)(c)	N	N	N	Y	N	Y	Y	N	N	N	ET: Compliance is demonstrated by monitoring and record keeping requirements for the coatings employed.
K001	HAP emissions shall not exceed 0.31 kg organic HAP/liter (2.6 pounds organic HAP/gal) coating solids used during each 12-month compliance period	N	40 CFR 63, Subpart MMMM	N	Y	Y	N	Y	Y	Y	N	N	OR: Permit terms include operational/work practice requirements specified in the federal rule.
K002	VOC emissions shall not exceed 50.0 lbs/day and 8.15 TPY from coatings. Acetone emissions shall not exceed 33.0 lbs/day and 4.62 TPY.	N	3745-31-05(A)(3)	N	Y	Y	N	Y	Y	N	N	N	OR: Permit terms contain daily and annual coating and acetone usage limitations to demonstrate compliance with emission limitations. ET: Compliance with emission limitations determined by monitoring and record keeping requirements which include coating and acetone usage data. All requirements for this EU have been transferred from the PTI.
K002	Coatings shall not exceed 4.53 lbs VOC/gal	N	3745-31-05(A)(3)	N	N	Y	N	Y	Y	N	N	N	ET: Compliance is demonstrated by monitoring and record keeping requirements for the coatings employed. All requirements for this EU have been transferred from the PTI.

	of coating												
K001 K002	Control of particulate emissions from surface coating operations	17-11(C)	N	Y	N	N	N	N	N	N	N	N	ND: Emissions units are exempt pursuant to OAC 3745-17-11(C)(3) since sources have a PE limitations established under OAC rule 3745-31-05(A)(3) in a PTI.
K002	Coating VOC content limitations	21-09(U)(1)	N	Y	N	N	N	N	N	N	N	N	ND: Emissions unit is exempt pursuant to OAC 3745-21-09(U)(2) since source operations are motor vehicle refinishing.
K002	HAP emission limitations	N	40 CFR 63, Subpart MMMM	Y	N	N	N	N	N	N	N	N	ND: This emissions unit is not subject to this federal rule since it is considered a facility maintenance operation for mobile sources and fleet trucks pursuant to US EPA guidance.
P003	OC emissions shall not exceed 2.85 tons per month average over 12-month rolling period	N	3745-31-05(A)(3)	N	N	Y	N	Y	Y	N	N	N	ET: Compliance is demonstrated by monitoring and record keeping requirements for the materials employed. All requirements for this EU have been transferred from the PTI.
P003	OC emissions shall not exceed 34.17 tons per rolling 12-month period.	N	3745-31-05(D)	N	Y	Y	N	Y	Y	N	N	N	OR: Permit terms contain material usage limitations (deodorizing agent/antifreeze) to demonstrate compliance with emission limitations. ET: Compliance with emission limitations determined by monitoring and record keeping requirements which include material usage data. All requirements for this EU have been transferred from the PTI.
P006	OC emissions shall not exceed 9 lbs/hr and 39.42 TPY.	N	3745-31-05(A)(3)	N	Y	Y	N	Y	Y	N	N	N	OR: Permit terms contain OC concentration limitation in the leachate to demonstrate compliance with emission limitations. ET: Compliance with emission limitations determined by monitoring and record keeping requirements which include leachate sampling. All requirements for this EU have been transferred from the PTI.
P010	PM_{10} emissions	N	3745-31-05(A)(3)	N	Y	Y	N	Y	Y	N	N	N	OR: Permit terms contain fuel restriction to demonstrate compliance with emission limitation.

	shall not exceed 0.96 lb/hr.												ET: The pound per hour emission limitation based on the emissions unit's potential to emit and US EPA AP-42 emission factors. If required, emission testing using US EPA approved methods will be performed. All requirements for this EU have been transferred from the PTI.
P010	NOx emissions shall 4.41 lbs/MMBtu and 13.67 lbs/hr.	N	3745-31-05(A)(3)	N	Y	Y	N	Y	Y	N	N	N	OR: Permit terms contain fuel restriction to demonstrate compliance with emission limitations. ET: The emission limitations are based on the emissions unit's potential to emit and US EPA AP-42 emission factors. If required, emission testing using US EPA approved methods will be performed. All requirements for this EU have been transferred from the PTI.
P010	SO_2 emissions shall not exceed 0.29 lb/MMBtu and 0.90 lb/hr.	N	3745-31-05(A)(3)	N	Y	Y	N	Y	Y	N	N	N	OR: Permit terms contain fuel restrictions including sulfur content to demonstrate compliance with emission limitation. ET: The emission limitations are based on the emissions unit's potential to emit and US EPA AP-42 emission factors. If required, emission testing using US EPA approved methods will be performed. All requirements for this EU have been transferred from the PTI.
P010	CO emissions shall not exceed 0.95 lb/MMBtu and 2.95 lbs/hr.	N	3745-31-05(A)(3)	N	Y	Y	N	Y	Y	N	N	N	OR: Permit terms contain fuel restriction to demonstrate compliance with emission limitations. ET: The emission limitations are based on the emissions unit's potential to emit and US EPA AP-42 emission factors. If required, emission testing using US EPA approved methods will be performed. All requirements for this EU have been transferred from the PTI.
P010	OC emissions shall not exceed 0.36 lb/MMBtu and 1.12 lbs/hr.	N	3745-31-05(A)(3)	N	Y	Y	N	Y	Y	N	N	N	OR: Permit terms contain fuel restriction to demonstrate compliance with emission limitations. ET: The emission limitations are based on the emissions unit's potential to emit and US EPA AP-42 emission factors. If required, emission testing using US EPA approved methods will be performed. All requirements for this EU have been transferred from the PTI.
P010	PM_{10} emissions	N	3745-31-05(D)	N	Y	Y	N	Y	Y	N	N	N	OR: Permit terms contain annual fuel usage limitation to demonstrate compliance with emission limitation.

	shall not exceed 1.44 TPY as a rolling 12-month summation.												ET: Compliance with emission limitations determined by monitoring and record keeping requirements which include fuel usage data. All requirements for this EU have been transferred from the PTI.
P010	NOx emissions shall not exceed 20.54 TPY as a rolling 12-month summation.	N	3745-31-05(D)	N	Y	Y	N	Y	Y	N	N	N	OR: Permit terms contain annual fuel usage limitation to demonstrate compliance with emission limitation. ET: Compliance with emission limitations determined by monitoring and record keeping requirements which include fuel usage data. All requirements for this EU have been transferred from the PTI.
P010	SO_2 emissions shall not exceed 1.35 TPY as a rolling 12-month summation.	N	3745-31-05(D)	N	Y	Y	N	Y	Y	N	N	N	OR: Permit terms contain annual fuel usage limitation and sulfur content restriction to demonstrate compliance with emission limitation. ET: Compliance with emission limitations determined by monitoring and record keeping requirements which include fuel usage data. All requirements for this EU have been transferred from the PTI.
P010	CO emissions shall not exceed 4.43 TPY as a rolling 12-month summation.	N	3745-31-05(D)	N	Y	Y	N	Y	Y	N	N	N	OR: Permit terms contain annual fuel usage limitation to demonstrate compliance with emission limitation. ET: Compliance with emission limitations determined by monitoring and record keeping requirements which include fuel usage data. All requirements for this EU have been transferred from the PTI.
P010	OC emissions shall not exceed 1.68 TPY as a rolling 12-month summation.	N	3745-31-05(D)	N	Y	Y	N	Y	Y	N	N	N	OR: Permit terms contain annual fuel usage limitation to demonstrate compliance with emission limitation. ET: Compliance with emission limitations determined by monitoring and record keeping requirements which include fuel usage data. All requirements for this EU have been transferred from the PTI.
P010 P018 P019 P020	Visible particulate emissions (stack) shall not exceed	17-07(A)(1)	N	N	N	N	N	N	N	N	N	N	M, R, Rp, ET – Method 9 visible emissions observations will be conducted if necessary to demonstrate compliance.

	20%												
P010 P018 P019 P020	PE shall not exceed 0.31 lb/MMBtu from the engine exhaust	17-11(B)(5)(a)	N	N	Y	Y	N	Y	Y	N	N	N	OR: Permit terms contain fuel restriction to demonstrate compliance with emission limitation. ET: The pound per MMBtu emission limitation based on the emissions unit's potential to emit and US EPA AP-42 emission factors. If required, emission testing using US EPA approved methods will be performed.
P010 P018 P019 P020	NOx RACT limitations	110-03	N	Y	N	N	N	N	N	N	N	N	ND: Emissions unit is exempt from these requirements because it is an existing source not located in a listed County per 3745-110-02(A) and less than 2000 HP per exemption in 3745-110-03(K)(3).
P010 P018 P019 P020	SO_2 general emission limits	18-06(G)	N	Y	N	N	N	N	N	N	N	N	ND: Emissions unit is exempt from these requirements because it is less than 10 MMBtu/hr per exemption in 3745-18-06(B).
P010	Limit CO to 49 ppmvd or less, at 15% O2; or reduce CO emissions by 70% or more.	N	40 CFR 63, Subpart ZZZZ	N	Y	Y	N	Y	Y	Y	N	N	OR: Permit terms include operational/work practice requirements specified in the federal rule.
P018	PE/PM_{10} shall not exceed 0.17 lb/hr and 0.76 TPY. SO_2 emissions shall not exceed 0.00087 lb/hr and 0.004 TPY. NOx emissions shall not exceed 1.22 lbs/hr and 5.33 TPY. CO emissions	N	3745-31-05(A)(3)	N	Y	Y	N	Y	Y	N	N	N	OR: Permit terms contain fuel restriction to demonstrate compliance with emission limitations. ET: The emission limitations are based on the emissions unit's potential to emit and US EPA AP-42 emission factors. If required, emission testing using US EPA approved methods will be performed. All requirements for this EU have been transferred from the PTI.

	shall not exceed 0.53 lb/hr and 2.33 TPY. VOC emissions shall not exceed 0.20 lb/hr and 0.88 TPY.												
P018	Engine exhaust emissions shall not exceed 9.2 grams NOx/KW-hr Fuel sulfur content shall not exceed 15 ppm or 0.0015% sulfur.	N	40 CFR 60, Subpart IIII 40 CFR 63, Subpart ZZZZ	N	Y	Y	N	Y	Y	N	N	N	OR: Permit terms include operational/work practice requirements specified in the federal rule. ET: Compliance with emission limitations determined by monitoring and record keeping requirements which include fuel and engine certifications.
P019	PE/PM_{10} shall not exceed 0.11 lb/hr and 0.31 TPY. SO_2 emissions shall not exceed 0.61 lb/hr and 1.91 TPY. NOx emissions shall not exceed 1.97 lbs/hr and 6.18 TPY. CO emissions shall not exceed 1.73	N	3745-31-05(A)(3)	N	Y	Y	N	Y	Y	N	N	N	OR: Permit terms contain fuel restriction and annual usage limitation to demonstrate compliance with emission limitations. ET: The hourly emission limitations are based on the emissions unit's potential to emit and manufacturer-supplied or US EPA AP-42 emission factors. If required, emission testing using US EPA approved methods will be performed. Compliance with annual emission limitations determined by monitoring and record keeping requirements which include fuel usage data. All requirements for this EU have been transferred from the PTI.

	lb/hr and 5.41 TPY. VOC emissions shall not exceed 0.76 lb/hr and 2.37 TPY.												
P019	N/A	N	40 CFR 60, Subpart IIII 40 CFR 63, Subpart ZZZZ	Y	N	N	N	N	N	N	N	N	ND: Emissions unit is an affected source under Subpart ZZZZ subject to applicable requirements in Subpart IIII per 63.6590(c). Engine was manufactured prior to 4/1/2006, therefore emissions unit has no applicable requirements in Subpart IIII per 60.4200(a)(2)(i).
P020	PE/PM_{10} shall not exceed 0.25 lb/hr and 0.49 TPY. SO_2 emissions shall not exceed 0.23 lb/hr and 0.46 TPY. NOx emissions shall not exceed 3.55 lbs/hr and 7.03 TPY. CO emissions shall not exceed 0.76 lb/hr and 1.51 TPY. VOC emissions shall not exceed 0.29 lb/hr and 0.57 TPY.	N	3745-31-05(A)(3)	N	Y	Y	N	Y	Y	N	N	N	OR: Permit terms contain fuel restriction and annual usage limitation to demonstrate compliance with emission limitations. ET: The hourly emission limitations are based on the emissions unit's potential to emit and US EPA AP-42 emission factors. If required, emission testing using US EPA approved methods will be performed. Compliance with annual emission limitations determined by monitoring and record keeping requirements which include fuel usage data. All requirements for this EU have been transferred from the PTI.

P020	Limit CO to 230 ppmvd or less, at 15% O2	N	40 CFR 63, Subpart ZZZZ	N	Y	Y	N	Y	Y	Y	N	N	OR: Permit terms include operational/work practice requirements specified in the federal rule.
P902	New Gas Recovery Plants 3 and 4 Option (stack emissions): CO shall not exceed 48.18 lbs/hr and 211.03 TPY*. PE shall not exceed 2.75 lbs/hr and 12.04 TPY. PM_{10} shall not exceed 2.75 lbs/hr and 12.04 TPY*.	N	3745-31-05(A)(3) 3745-31-11 thru 3745-31-20	N	N	Y	N	Y	Y	Y	N	N	All requirements for this EU have been transferred from the PTI. *Asterisked pollutants are also subject to PSD rules specified in OAC rules 3745-31-11 thru 3745-31-20.
P902	NSPS Enclosed Combustors Option (stack emissions): CO shall not exceed 95.4 lbs/hr. PE and PM_{10} shall not exceed 7.3 lbs/hr.	N	3745-31-05(A)(3)	N	Y	Y	N	Y	Y	Y	N	N	OR: Permit terms contain operational restriction for the combustion temperature. All requirements for this EU have been transferred from the PTI.
P902	New Utility Flares Option (stack emissions): CO shall not exceed 123.44 lbs/hr. PE and	N	3745-31-05(A)(3)	N	N	Y	N	Y	Y	Y	N	N	All requirements for this EU have been transferred from the PTI.

	PM_{10}shall not exceed 7.3 lbs/hr.												
P902	New Combined Control Devices Option (stack emissions): NMOC shall not exceed 16.79 TPY. CO shall not exceed 417.91 TPY*. PE shall not exceed 31.87 TPY. PM_{10} shall not exceed 31.87 TPY*. NOx shall not exceed 113.83 TPY*. SO2 shall not exceed 29.3 TPY. HCl shall not exceed 45.18 TPY. HF shall not exceed 7.28 TPY. CFC-11 shall not exceed 0.02 TPY*. CFC-12 shall not exceed 0.37 TPY*. Methane shall not exceed 1563 TPY.	N	3745-31-05(A)(3) 3745-31-11 thru 3745-31-20	N	N	Y	N	Y	Y	Y	N	N	All requirements for this EU have been transferred from the PTI. *Asterisked pollutants are also subject to PSD rules specified in OAC rules 3745-31-11 thru 3745-31-20.

P902	New Gas Recovery Plants 3 and 4 Option employed alone, or in combination with other options (Plant 3 and 4 stack emissions): CO shall not exceed 211.03 TPY*. PE shall not exceed 12.04 TPY. PM_{10} shall not exceed 12.04 TPY*.	N	3745-31-05(A)(3) 3745-31-11 thru 3745-31-20	N	N	Y	N	Y	Y	Y	N	N	All requirements for this EU have been transferred from the PTI. *Asterisked pollutants are also subject to PSD rules specified in OAC rules 3745-31-11 thru 3745-31-20.
P902	NSPS Enclosed Combustors Option, New Gas Recovery Plants 3 and 4 Option, or the New Utility Flares Option (stack emissions): NMOC shall not exceed 3.83 lbs/hr. NOx shall not exceed 26.0 lbs/hr. SO_2 shall not exceed 6.7 lbs/hr. HCl shall not exceed 10.3	N	3745-31-05(A)(3)	N	Y	Y	N	Y	Y	Y	N	N	OR: Permit terms contain operational restriction for the combustion temperature of the enclosed combustors. All requirements for this EU have been transferred from the PTI.

	lbs/hr. HF shall not exceed 1.7 lbs/hr.												
P902	Gas Recovery Plants 1 and 2 (stack emissions): NMOC shall not exceed 8.50 lbs/hr and 34.65 TPY. CO shall not exceed 14.75 lbs/hr and 40.96 TPY. PE and PM_{10} shall not exceed 4.49 lbs/hr and 11.94 TPY. NOx shall not exceed 6.44 lbs/hr and 8.15 TPY. SO_2 shall not exceed 3.42 lbs/hr and 7.11 TPY. Methane shall not exceed 599 TPY. HCl shall not exceed 25.62 TPY. HF shall not exceed 3.28 TPY.	N	3745-31-05(A)(3)	N	Y	Y	N	Y	Y	Y	N	N	OR: Permit terms contain gas throughput limitation to off-spec gas flare serving Plants 1 and 2 to demonstrate compliance with emission limitations. All requirements for this EU have been transferred from the PTI.
P902	Fugitive (non-stack) emissions	N	3745-31-05(A)(3)	N	Y	Y	N	Y	Y	N	N	N	OR: Permit terms include operational/work practice requirements to reduce fugitive particulate emissions. ET: Fugitive emission limitations are based upon the

	from this emissions unit: NMOC shall not exceed 745.70 TPY. CO shall not exceed 34.18 TPY. PE shall not exceed 0.56 TPY. PM_{10} shall not exceed 0.27 TPY. Methane shall not exceed 28,588 TPY, excluding the vertical and southern expansion. Methane shall not exceed 45,029 TPY from both the vertical and southern expansion. H_2S shall not exceed 10.47 TPY. CFC-11 shall not exceed 0.90 TPY. CFC-12 shall not exceed 16.43 TPY.												potential to emit of the emissions unit based upon use of control measures (if applicable), maximum capacity and operational parameters, and US EPA AP-42 and landfill modeling emission factors. All requirements for this EU have been transferred from the PTI.
P902	Visible emissions of fugitive dust shall not exceed 20%	N	3745-31-05(A)(3)	N	Y	Y	N	Y	Y	N	N	N	OR: Permit terms contain work practices to minimize fugitive dust in order to demonstrate compliance with emission limitation. ET: Compliance is demonstrated by visible emissions monitoring and record keeping and the use of control

	opacity as 3-minute average and use of RACM (excludes ACM)												measures. If required, compliance shall be demonstrated by Method 9 visible emissions observations. All requirements for this EU have been transferred from the PTI.
P902	For ACM, there shall be no visible emissions. Employ handling and control procedures.	N	3745-31-05(A)(3)	N	Y	Y	N	Y	Y	N	N	N	OR: Permit terms contain work practices to minimize fugitive dust in order to demonstrate compliance with emission limitation. ET: Compliance is demonstrated by visible emissions monitoring and record keeping and the use of control measures. If required, compliance shall be demonstrated by Method 22 visible emissions observations. All requirements for this EU have been transferred from the PTI.
P902	Visible particulate emissions from the stacks serving Gas Recovery Plants 1 and 2 shall not exceed 10%, as 6-minute average.	N	3745-31-05(A)(3)	N	N	N	N	N	N	N	N	N	M, R, Rp, ET – Method 9 visible emissions observations will be conducted if necessary to demonstrate compliance. All requirements for this EU have been transferred from the PTI.
P902	Visible particulate emissions from the stacks serving Gas Recovery Plants 3 and 4 shall not exceed 20%, as 6-minute average.	N	3745-31-05(A)(3)	N	N	N	N	N	N	N	N	N	M, R, Rp, ET – Method 9 visible emissions observations will be conducted if necessary to demonstrate compliance. All requirements for this EU have been transferred from the PTI.
P902	NMOC shall be reduced by 98%, or	N	40 CFR 60, Subpart WWW	N	Y	Y	N	Y	Y	Y	N	N	OR: Permit terms include design, operational, and control system requirements specified in the federal rules.

	when an enclosed combustion device is used, reduce NMOC by 98% or reduce outlet NMOC to less than 20 ppm		40 CFR 63, Subpart AAAA										
P902	No visible emissions from an open flare, except for 5 minutes during any 2 consecutive hours	N	40 CFR 60, Subpart WWW 40 CFR 63, Subpart AAAA	N	Y	Y	N	Y	Y	Y	N	N	OR: Permit terms include design and operational requirements specified in the federal rules.
P902	Requirements for handling and disposal of regulated asbestos containing materials (ACM)	20	40 CFR 61, Subpart M	N	Y	Y	N	Y	Y	N	N	N	OR: Permit terms contain operational restrictions/work practice standards to demonstrate compliance. ET: Compliance is demonstrated by visible emissions monitoring and record keeping and the use of control measures/work practice standards.
`T007	VOC emissions shall not exceed 15.7 TPY.	N	3745-31-05(A)(3)	N	N	N	N	N	Y	N	N	N	M, R, ET: Emission limitation represents the potential emit of the emissions unit at the maximum capacity. All requirements for this EU have been transferred from the PTI.
T008	VOC emissions shall not exceed 1.67 TPY.	N	3745-31-05(A)(3)	N	N	N	N	N	Y	N	N	N	M, R, ET: Emission limitation represents the potential emit of the emissions unit at the maximum capacity. All requirements for this EU have been transferred from the PTI.
T007 T008	Volatile organic liquid storage limitations	N	40 CFR 60, Subpart Kb	Y	Y	Y	N	Y	Y	Y	N	N	ND: Permit terms clarify that federal rule does not apply if liquid vapor pressure less than 3.5 kilopascals. OR: Permit terms include operational/control measure requirements specified in the federal rule.

DRAFT

Division of Air Pollution Control
Title V Permit
for
Rumpke Sanitary Landfill, Inc.

Facility ID:	1431092049
Permit Number:	P0104646
Permit Type:	Renewal
Issued:	3/23/2015
Effective:	To be entered upon final issuance
Expiration:	To be entered upon final issuance

Division of Air Pollution Control
Title V Permit
for
Rumpke Sanitary Landfill, Inc.

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Authorization

Facility ID:	1431092049
Facility Description:	Municipal solid waste landfill
Application Number(s):	A0036312, A0041039, A0042097, A0049041, A0051452
Permit Number:	P0104646
Permit Description:	Renewal of Title V Operating Permit for municipal solid waste landfill and supporting operations, including composting, material handling, odor control, surface coating of containers and vehicles, and internal combustion engines.
Permit Type:	Renewal
Issue Date:	3/23/2015
Effective Date:	To be entered upon final issuance
Expiration Date:	To be entered upon final issuance
Superseded Permit Number:	P0099120

This document constitutes issuance of an OAC Chapter 3745-77 Title V permit to:

Rumpke Sanitary Landfill, Inc.
10795 Hughes Road
Cincinnati, OH 45251-4598

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

Southwest Ohio Air Quality Agency
250 William Howard Taft Rd.
Cincinnati, OH 45219
(513)946-7777

The above named entity is hereby granted a Title V permit pursuant to Chapter 3745-77 of the Ohio Administrative Code. This permit and the authorization to operate the air contaminant sources (emissions units) at this facility shall expire at midnight on the expiration date shown above. You will be sent a notice approximately 18 months prior to the expiration date regarding the renewal of this permit. If you do not receive a notice, please contact the Southwest Ohio Air Quality Agency. If a renewal permit is not issued prior to the expiration date, the permittee may continue to operate pursuant to OAC rule 3745-77-08(E) and in accordance with the terms of this permit beyond the expiration date, if a timely renewal application is submitted. A renewal application will be considered timely if it is submitted no earlier than 18 months and no later than 6 months prior to the expiration date.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Craig W. Butler
Director

A. Standard Terms and Conditions

1. Federally Enforceable Standard Terms and Conditions

a) All Standard Terms and Conditions are federally enforceable, with the exception of those listed below which are enforceable under State law only:

(1) Standard Term and Condition A. 24., Reporting Requirements Related to Monitoring and Record Keeping Requirements of State-Only Enforceable Permit Terms and Conditions

(2) Standard Term and Condition A. 25., Records Retention Requirements for State-Only Enforceable Permit Terms and Conditions

(3) Standard Term and Condition A. 27., Scheduled Maintenance/Malfunction Reporting For State-Only Requirements

(4) Standard Term and Condition A. 29., Additional Reporting Requirements When There Are No Deviations of Federally Enforceable Emission Limitations, Operational Restrictions, or Control Device Operating Parameter Limitations

(5) Standard Term and Condition A. 30.

(Authority for term: ORC 3704.036(A))

2. Monitoring and Related Record Keeping and Reporting Requirements

a) Except as may otherwise be provided in the terms and conditions for a specific emissions unit (i.e., in section C. Emissions Unit Terms and Conditions of this Title V permit), the permittee shall maintain records that include the following, where applicable, for any required monitoring under this permit:

(1) The date, place (as defined in the permit), and time of sampling or measurements.

(2) The date(s) analyses were performed.

(3) The company or entity that performed the analyses.

(4) The analytical techniques or methods used.

(5) The results of such analyses.

(6) The operating conditions existing at the time of sampling or measurement.

(Authority for term: OAC rule 3745-77-07(A)(3)(b)(i))

b) 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 all calibration and maintenance records and all original strip-chart recordingsfor continuous monitoring instrumentation, and copies of all reports required by this permit. Such records may be maintained in computerized form.

(Authority for term: OAC rule 3745-77-07(A)(3)(b)(ii))

c) The permittee shall submit required reports in the following manner:

(1) All reporting required in accordance with OAC rule 3745-77-07(A)(3)(c) for deviations caused by malfunctions shall be submitted in the following manner:

Any malfunction, as defined in OAC rule 3745-15-06(B)(1), shall be promptly reported to the Ohio EPA in accordance with OAC rule 3745-15-06. In addition, to fulfill the OAC rule 3745-77-07(A)(3)(c) deviation reporting requirements for malfunctions, written reports that identify each malfunction that occurred during each calendar quarter (including each malfunction reported only verbally in accordance with OAC rule 3745-15-06) shall be submitted by January 31, April 30, July 31, and October 31 of each year in accordance with Standard Term and Condition A.2.c)(2) below; and each report shall cover the previous calendar quarter. An exceedance of the visible emission limitations specified in OAC rule 3745-17-07(A)(1) that is caused by a malfunction is not a violation and does not need to be reported as a deviation if the owner or operator of the affected air contaminant source or air pollution control equipment complies with the requirements of OAC rule 3745-17-07(A)(3)(c).

In accordance with OAC rule 3745-15-06, a malfunction reportable under OAC rule 3745-15-06(B) is a deviation of the federally enforceable permit requirements. Even though verbal notifications and written reports are required for malfunctions pursuant to OAC rule 3745-15-06, the written reports required pursuant to this term must be submitted quarterly to satisfy the prompt reporting provision of OAC rule 3745-77-07(A)(3)(c).

In identifying each deviation caused by a malfunction, the permittee shall specify the emission limitation(s) (or control requirement(s)) for which the deviation occurred, describe each deviation, and provide the magnitude and duration of each deviation. For a specific malfunction, if this information has been provided in a written report that was submitted in accordance with OAC rule 3745-15-06, the permittee may simply reference that written report to identify the deviation. Nevertheless, all malfunctions, including those reported only verbally in accordance with OAC rule 3745-15-06, must be reported in writing on a quarterly basis.

Any submittedscheduled maintenancerequests, as referenced in OAC rule 3745-15-06(A)(1), that results in a deviation from a federally enforceable emission limitation (or control requirement) shall be reported in the same manner as described above for malfunctions.

(Authority for term: OAC rule 3745-77-07(A)(3)(c))

(2) Except as may otherwise be provided in the terms and conditions for a specific emissions unit (i.e., in section C. Emissions Unit Terms and Conditions of this Title V permit or, in some cases, in section B. Facility-Wide Terms and Conditions of this Title V permit), all reporting required in accordance with OAC rule 3745-77-07(A)(3)(c) for deviations of the emission limitations, operational restrictions, and control device operating parameter limitations shall be submitted in the following manner:

Written reports of (a) any deviations from federally enforceable emission limitations, operational restrictions, and control device operating parameter limitations, (b) the probable cause of such deviations, and (c) any corrective actions or preventive measures taken, shall be submitted promptly to the Southwest Ohio Air Quality Agency. Except as provided below, the written reports shall be submitted by January 31, April 30, July 31, and October 31 of each year; and each report shall cover the previous calendar quarter.

In identifying each deviation, the permittee shall specify the emission limitation(s), operational restriction(s), and/or control device operating parameter limitation(s) for which the deviation occurred, describe each deviation, and provide the estimated magnitude and duration of each deviation.

These written deviation reports shall satisfy the requirements of OAC rule 3745-77-07(A)(3)(c) pertaining to the submission of monitoring reports every six months and to the prompt reporting of all deviations. Full compliance with OAC rule 3745-77-07(A)(3)(c) requires reporting of all other deviations of the federally enforceable requirements specified in the permit as required by such rule.

If an emissions unit has a deviation reporting requirement for a specific emission limitation, operational restriction, or control device operating parameter limitation that is not on a quarterly basis (e.g., within 30 days following the end of the calendar month, or within 30 or 45 days after the exceedance occurs), that deviation reporting requirement satisfies the reporting requirements specified in this Standard Term and Condition for that specific emission limitation, operational restriction, or control device parameter limitation. Following the provisions of that non-quarterly deviation reporting requirement will also satisfy (for the deviations so reported) the requirements of OAC rule 3745-77-07(A)(3)(c) pertaining to the submission of monitoring reports every six months and to the prompt reporting of all deviations, and additional quarterly deviation reports for that specific emission limitation, operational restriction, or control device parameter limitation are not required pursuant to this Standard Term and Condition.

See A.29 below if no deviations occurred during the quarter.

(Authority for term: OAC rule 3745-77-07(A)(3)(c))

(3) All reporting required in accordance with the OAC rule 3745-77-07(A)(3)(c) for other deviations of the federally enforceable permit requirements which are not reported in accordance with Standard Term and Condition A.2)c)(2) above shall be submitted in the following manner:

Unless otherwise specified by rule, written reports that identify deviations of the following federally enforceable requirements contained in this permit; Standard Terms and Conditions: A.3, A.4, A.5, A.7.e), A.8, A.13, A.15, A.19, A.20, A.21, and A.23 of this Title V permit, as well as any deviations from the requirements in section C. Emissions Unit Terms and Conditions of this Title V permit, and any monitoring, record keeping, and reporting requirements, which are not reported in accordance with Standard Term and Condition A.2.c)(2) above shall be submitted to the Southwest Ohio Air Quality Agency by January 31 and July 31 of each year; and each report shall cover the previous six calendar months. Unless otherwise specified by rule, all other deviations from federally

enforceable requirements identified in this permit shall be submitted annually as part of the annual compliance certification, including deviations of federally enforceable requirements not specifically addressed by permit or rule for the insignificant activities or emissions levels (IEU) identified in section B. Facility-Wide Terms and Conditions of this Title V permit. Annual reporting of deviations is deemed adequate to meet the deviation reporting requirements for IEUs unless otherwise specified by permit or rule.

In identifying each deviation, the permittee shall specify the federally enforceable requirement for which the deviation occurred, describe each deviation, and provide the magnitude and duration of each deviation.

These semi-annual and annual written reports shall satisfy the reporting requirements of OAC rule 3745-77-07(A)(3)(c) for any deviations from the federally enforceable requirements contained in this permit that are not reported in accordance with Standard Term and Condition A.2.c)(2) above.

If no such deviations occurred during a six-month period, the permittee shall submit a semi-annual report which states that no such deviations occurred during that period.

(Authority for term: OAC rules 3745-77-07(A)(3)(c)(i) and (ii) and OAC rule 3745-77-07(A)(13)(b))

(4) Each written report shall be signed by a Responsible Official certifying that, "based on information and belief formed after reasonable inquiry, the statements and information in the report (including any written malfunction reports required by OAC rule 3745-15-06 that are referenced in the deviation reports) are true, accurate, and complete." Signature by the Responsible Official may be represented by entry of the personal identification number (PIN) by the Responsible Official as part of the electronic submission process or by the scanned attestation document signed by the Responsible Official that is attached to the electronically submitted written report.

(Authority for term: OAC rule 3745-77-07(A)(3)(c)(iv))

(5) Consistent with A.2.c.1. above, reports of any required monitoring and/or record keeping information required to be submitted to Ohio EPA shall be submitted to Southwest Ohio Air Quality Agency unless otherwise specified.

(Authority for term: OAC rule 3745-77-07(A)(3)(c))

3. Reporting of Any Exceedence of a Federally Enforceable Emission Limitation or Control Requirement Resulting From Scheduled Maintenance

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. Except as provided in OAC rule 3745-15-06(A)(3), any scheduled maintenance 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). Any scheduled maintenance, as defined in OAC rule 3745-15-06(A)(1), that results in a deviation from a federally enforceable emission limitation (or control requirement) shall be reported in the same manner as described for malfunctions in Standard Term and Condition A.2.c)(1) above.

(Authority for term: OAC rule 3745-77-07(A)(3)(c))

4. Risk Management Plans

If applicable, the permittee shall develop and register a risk management plan pursuant to section 112(r) of the Clean Air Act, as amended, 42 U.S.C. § 7401 et seq. ("Act"); and, pursuant to 40 C.F.R. 68.215(a), the permittee shall submit either of the following:

a) a compliance plan for meeting the requirements of 40 C.F.R. Part 68 by the date specified in 40 C.F.R. 68.10(a) and OAC 3745-104-05(A); or

b) as part of the compliance certification submitted under 40 C.F.R. 70.6(c)(5), a certification statement that the source is in compliance with all requirements of 40 C.F.R. Part 68 and OAC Chapter 3745-104, including the registration and submission of the risk management plan.

(Authority for term: OAC rule 3745-77-07(A)(4))

5. Title IV Provisions

If the permittee is subject to the requirements of 40 CFR Part 72 concerning acid rain, the permittee shall ensure that any affected emissions unit complies with those requirements. Emissions exceeding any allowances that are lawfully held under Title IV of the Act, or any regulations adopted thereunder, are prohibited.

(Authority for term: OAC rule 3745-77-07(A)(5))

6. Severability Clause

A determination that any term or condition of this permit is invalid shall not invalidate the force or effect of any other term or condition thereof, except to the extent that any other term or condition depends in whole or in part for its operation or implementation upon the term or condition declared invalid.

(Authority for term: OAC rule 3745-77-07(A)(6))

7. General Requirements

a) Any noncompliance with the federally enforceable terms and conditions of this permit constitutes a violation of the Act, and is grounds for enforcement action or for permit revocation, revocation and reissuance, or modification, or for denial of a permit renewal application.

b) It shall not be a defense for the permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the federally enforceable terms and conditions of this permitexcept as provided pursuant to A.16 below.

c) This permit may be modified, reopened, revoked, or revoked and reissued, for cause, in accordance with A.11 below. The filing of a request by the permittee for a permit modification, revocation and reissuance, or revocation, or of a notification of planned changes or anticipated noncompliance does not stay any term and condition of this permit.

d) This permit does not convey any property rights of any sort, or any exclusive privilege.

e) 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 request, the permittee shall also furnish to the Director or an authorized representative of the Director, copies of records required to be kept by this permit. For information claimed to be confidential in the submittal to the Director, if the Administrator of the U.S. EPA requests such information, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality.

f) Except as otherwise indicated below, this Title V permit, or permit modification, is effective for five years from the original effective date specified in the permit. In the event that this facility becomes eligible for non-title V permits, this permit shall cease to be enforceable when:

(1) the permittee submits an approved facility-wide potential to emit analysis supporting a claim that the facility no longer meets the definition of a "major source" as defined in OAC rule 3745-77-01(W) based on the permanent shutdown and removal of one or more emissions units identified in this permit; or

(2) the permittee no longer meets the definition of a "major source" as defined in OAC rule 3745-77-01(W) based on obtaining restrictions on the facility-wide potential(s) to emit that are federally enforceable or legally and practically enforceable ; or

(3) a combination of (1) and (2) above.

The permittee shall continue to comply with all applicable OAC Chapter 3745-31 requirements for all regulated air contaminant sources once this permit ceases to be enforceable. The permittee shall comply with any residual requirements, such as quarterly deviation reports, semi-annual deviation reports, and annual compliance certifications covering the period during which this Title V permit was enforceable. All records relating to this permit must be maintained in accordance with law.

(Authority for term: OAC rule 3745-77-01(W), OAC rule 3745-77-07(A)(3)(b)(ii), OAC rule 3745-77(A)(7))

8. 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.

(Authority for term: OAC rule 3745-77-07(A)(8))

9. Marketable Permit Programs

No revision of this permit is required under any approved economic incentive, marketable permits, emissions trading, and other similar programs or processes for changes that are provided for in this permit.

(Authority for term: OAC rule 3745-77-07(A)(9))

10. Reasonably Anticipated Operating Scenarios

The permittee is hereby authorized to make changes among operating scenarios authorized in this permit without notice to the Ohio EPA, but, contemporaneous with making a change from one operating scenario to another, the permittee must record in a log at the permitted facility the scenario under which the permittee is operating. The permit shield provided in these standard terms and conditions shall apply to all operating scenarios authorized in this permit.

(Authority for term: OAC rule 3745-77-07(A)(10))

11. Reopening for Cause

This Title V permit will be reopened prior to its expiration date under the following conditions:

a) Additional applicable requirements under the Act become applicable to one or more emissions units covered by this permit, and this permit has a remaining term of three or more years. Such a reopening shall be completed not later than eighteen (18) months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions has been extended pursuant to paragraph (E)(1) of OAC rule 3745-77-08.

b) This permit is issued to an affected source under the acid rain program and additional requirements (including excess emissions requirements) become applicable. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into the permit, and shall not require a reopening of this permit.

c) The Director of the Ohio EPA or the Administrator of the U.S. EPA determines that the federally applicable requirements in this permit are based on a material mistake, or that inaccurate statements were made in establishing the emissions standards or other terms and conditions of this permit related to such federally applicable requirements.

d) The Administrator of the U.S. EPA or the Director of the Ohio EPA determines that this permit must be revised or revoked to assure compliance with the applicable requirements.

(Authority for term: OAC rules 3745-77-07(A)(12) and 3745-77-08(D))

12. Federal and State Enforceability

Only those terms and conditions designated in this permit as federally enforceable, that are required under the Act, or any of its applicable requirements, including relevant provisions designed to limit the potential to emit of a source, are enforceable by the Administrator of the U.S. EPA, the State, and citizens under the Act. All other terms and conditions of this permit shall not be federally enforceable and shall be enforceable under State law only.

(Authority for term: OAC rule 3745-77-07(B))

13. Compliance Requirements

a) Any document (including reports) required to be submitted and required by a federally applicable requirement in this Title V permit shall include a certification by a Responsible

Officialthat, based on information and belief formed after reasonable inquiry, the statements in the document are true, accurate, and complete.

b) Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the Director of the Ohio EPA or an authorized representative of the Director to:

(1) At reasonable times, enter upon the permittee's premises where a source is located or the emissions-related activity is conducted, or where records must be kept under the conditions of this permit.

(2) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit, subject to the protection from disclosure to the public of confidential information consistent with paragraph (E) of OAC rule 3745-77-03.

(3) Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit.

(4) As authorized by the Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit and applicable requirements.

c) The permittee shall submit progress reports to the Southwest Ohio Air Quality Agency concerning any schedule of compliance for meeting an applicable requirement. Progress reports shall be submitted semiannually or more frequently if specified in the applicable requirement or by the Director of the Ohio EPA. Progress reports shall contain the following:

(1) Dates for achieving the activities, milestones, or compliance required in any schedule of compliance, and dates when such activities, milestones, or compliance were achieved.

(2) An explanation of why any dates in any schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.

d) Compliance certifications concerning the terms and conditions contained in this permit that are federally enforceable emission limitations, standards, or work practices, shall be submitted to the Director (the Southwest Ohio Air Quality Agency) and the Administrator of the U.S. EPA in the following manner and with the following content:

(1) Compliance certifications shall be submitted annually on a calendar year basis. The annual certification shall be submitted on or before April 30th of each year during the permit term.

(2) Compliance certifications shall include the following:

a. Identification of each term or condition that is the basis of the certification. The identification may include a statement by the Responsible Official that every term and condition that is federally enforceable has been reviewed, and such terms and conditions with which there has been continuous compliance throughout the year are not separately identified.

b. The permittee's current compliance status.

c. Whether compliance was continuous or intermittentconsistent with A.13.d.2.a above.

d. The method(s) used for determining the compliance status of the source currently and over the required reporting period consistent with A.13.d.2.a above.

e. Such other facts as the Director of the Ohio EPA may require in the permit to determine the compliance status of the source.

(3) Compliance certifications shall contain such additional requirements as may be specified pursuant to sections 114(a)(3) and 504(b) of the Act.

(Authority for term: OAC rules 3745-77-07(C)(1),(2),(4) and (5) and ORC section 3704.03(L))

14. Permit Shield

a) Compliance with the terms and conditions of this permit (including terms and conditions established for alternate operating scenarios, emissions trading, and emissions averaging, but excluding terms and conditions for which the permit shield is expressly prohibited under OAC rule 3745-77-07) shall be deemed compliance with the applicable requirements identified and addressed in this permit as of the date of permit issuance.

b) This permit shield provision shall apply to any requirement identified in this permit pursuant to OAC rule 3745-77-07(F)(2), as a requirement that does not apply to the source or to one or more emissions units within the source.

(Authority for term: OAC rule 3745-77-07(F))

15. Operational Flexibility

The permittee is authorized to make the changes identified in OAC rule 3745-77-07(H)(1)(a) to (H)(1)(c) within the permitted stationary source without obtaining a permit revision, if such change is not a modification under any provision of Title I of the Act [as defined in OAC rule 3745-77-01(JJ)], and does not result in an exceedance of the emissions allowed under this permit (whether expressed therein as a rate of emissions or in terms of total emissions), and the permittee provides the Administrator of the U.S. EPA and the Southwest Ohio Air Quality Agency with written notification within a minimum of seven days in advance of the proposed changes, unless the change is associated with, or in response to, emergency conditions. If less than seven days notice is provided because of a need to respond more quickly to such emergency conditions, the permittee shall provide notice to the Administrator of the U.S. EPA and the Southwest Ohio Air Quality Agency as soon as possible after learning of the need to make the change. The notification shall contain the items required under OAC rule 3745-77-07(H)(2)(d).

(Authority for term: OAC rules 3745-77-07(H)(1) and (2))

16. Emergencies

The permittee shall have an affirmative defense of emergency to an action brought for noncompliance with technology-based emission limitations if the conditions of OAC rule 3745-77-07(G)(3) are met.

This emergency defense provision is in addition to any emergency or upset provision contained in any applicable requirement.

(Authority for term: OAC rule 3745-77-07(G))

17. Off-Permit Changes

The owner or operator of a Title V source may make any change in its operations or emissions at the source that is not specifically addressed or prohibited in the Title V permit, without obtaining an amendment or modification of the permit, provided that the following conditions are met:

a) The change does not result in conditions that violate any applicable requirements or that violate any existing federally enforceable permit term or condition.

b) The permittee provides contemporaneous written notice of the change to the Director and the Administrator of the U.S. EPA, except that no such notice shall be required for changes that qualify as insignificant emissions levels or activities as defined in OAC rule 3745-77-01(U). Such written notice shall describe each such change, the date of such change, any change in emissions or pollutants emitted, and any federally applicable requirement that would apply as a result of the change.

c) The change shall not qualify for the permit shield under OAC rule 3745-77-07(F).

d) The permittee shall keep a record describing all changes made at the source that result in emissions of a regulated air pollutant subject to an applicable requirement, but not otherwise regulated under the permit, and the emissions resulting from those changes.

e) The change is not subject to any applicable requirement under Title IV of the Act or is not a modification under any provision of Title I of the Act.

Paragraph (I) of rule 3745-77-07 of the Administrative Code applies only to modification or amendment of the permittee's Title V permit. The change made may require a permit-to-install under Chapter 3745-31 of the Administrative Code if the change constitutes a modification as defined in that Chapter. Nothing in paragraph (I) of rule 3745-77-07 of the Administrative Code shall affect any applicable obligation under Chapter 3745-31 of the Administrative Code.

(Authority for term: OAC rule 3745-77-07(I))

18. Compliance Method Requirements

Nothing in this permit shall alter or affect the ability of any person to establish compliance with, or a violation of, any applicable requirement through the use of credible evidence to the extent authorized by law. Nothing in this permit shall be construed to waive any defenses otherwise available to the permittee, including but not limited to, any challenge to the Credible Evidence Rule (see 62 Federal Register 8314, Feb. 24, 1997), in the context of any future proceeding.

(This term is provided for informational purposes only.)

19. Insignificant Activities or Emissions Levels

Each IEU that is subject to one or more applicable requirements shall comply with those applicable requirements.

(Authority for term: OAC rule 3745-77-07(A)(1))

20. Permit to Install Requirement

Prior to the "installation" or "modification" of any "air contaminant source," as those terms are defined in OAC rule 3745-31-01, a permit to install must be obtained from the Ohio EPA pursuant to OAC Chapter 3745-31.

(Authority for term: OAC rule 3745-77-07(A)(1))

21. 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.

(Authority for term: OAC rule 3745-77-07(A)(1))

22. Permanent Shutdown of an Emissions Unit

The permittee may notify Ohio EPA of any emissions unit that is permanently shut down by submitting a certification from the Responsible Official that identifies the date on which the emissions unit was permanently shut down. Authorization to operate the affected emissions unit shall cease upon the date certified by the Responsible Official that the emissions unit was permanently shut down.

After the date on which an emissions unit is permanently shut down (i.e., that 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 and therefore ceases to meet the definition of an "emissions unit" as defined in OAC rule 3745-77-01(O)), rendering existing permit terms and conditions irrelevant, the permittee shall not be required, after the date of the certification and submission to Ohio EPA, to meet any Title V permit requirements applicable to that emissions unit, except for any residual requirements, such as the quarterly deviation reports, semi-annual deviation reports and annual compliance certification covering the period during which the emissions unit last operated. All records relating to the shutdown emissions unit, generated while the emissions unit was in operation, must be maintained in accordance with law.

Unless otherwise exempted, noemissions unit identified in this permit that has beencertified by the Responsible Official as being permanently shut down may resume operation without first applying for and obtaining a permit to install pursuant to OAC Chapter 3745-31.

(Authority for term: OAC rule 3745-77-01)

23. Title VI Provisions

If applicable, the permittee shall comply with the standards for recycling and reducing emissions of ozone depleting substances pursuant to 40 CFR Part 82, Subpart F, except as provided for motor vehicle air conditioners in Subpart B of 40 CFR Part 82:

a) Persons operating appliances for maintenance, service, repair, or disposal must comply with the required practices specified in 40 CFR 82.156.

b) Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment specified in 40 CFR 82.158.

c) Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161.

(Authority for term: OAC rule 3745-77-01(H)(11)))

24. Reporting Requirements Related to Monitoring and Record Keeping RequirementsUnder State Law Only

The permittee shall submit required reports in the following manner:

a) Reports of any required monitoring and/or record keeping information shall be submitted to theSouthwest Ohio Air Quality Agency.

b) Except as otherwise may be provided in the terms and conditions for a specific emissions unit, quarterly written reports of (i) any deviations (excursions) from emission limitations, operational restrictions, and control device operating parameter limitations that have been detected by the testing, monitoring, and record keeping requirements specified in this permit, (ii) the probable cause of such deviations, and (iii) any corrective actions or preventive measures which have been or will be taken, shall be submitted to the Southwest Ohio Air Quality Agency. In identifying each deviation, the permittee shall specify the applicable requirement for which the deviation occurred, describe each deviation, and provide the magnitude and duration of each deviation. If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted quarterly, 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.)

25. Records Retention RequirementsUnder State Law Only

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.

26. 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.

(Authority for term: OAC rule 3745-77-07(C))

27. Scheduled Maintenance/Malfunction Reporting For State-Only Requirements

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 Southwest Ohio Air Quality 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).

28. Permit Transfers

Any transferee of this permit shall assume the responsibilities of the prior permit holder. The Southwest Ohio Air Quality Agency must be notified in writing of any transfer of this permit.

(Authority for term: OAC rule 3745-77-01(C))

29. Additional Reporting Requirements When There Are No Deviations of Federally Enforceable Emission Limitations, Operational Restrictions, or Control Device Operating Parameter Limitations

If no emission limitation (or control requirement), operational restriction and/or control device parameter limitation 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 by January 31, April 30, July 31, and October 31 of each year; and each report shall cover the previous calendar quarter.

The permittee is not required to submit a quarterly report which states that no deviations occurred during that quarter for the following situations:

a) where an emissions unit has deviation reporting requirements for a specific emission limitation, operational restriction, or control device parameter limitation that override the deviation reporting requirements specified in Standard Term and Condition A.2.c)(2); or

b) where an uncontrolled emissions unit has no monitoring, record keeping, or reporting requirements and the emissions unit's applicable emission limitations are established at the potential to emit; or

c) where the company's Responsible Official has certified that an emissions unit has been permanently shut down.

30. Submitting Documents Required by this Permit

All applications, notifications or reports required by terms and conditions in this permit to be submitted or "reported in writing" are to be submitted to Ohio EPA through the Ohio EPA's eBusiness Center: Air Services web service ("Air Services"). Ohio EPA will accept hard copy submittals on an as-needed basis if the permittee cannot submit the required documents through the Ohio EPA eBusiness Center. In the event ofan alternative hard copy submission in lieu of the eBusiness Center, the post-marked date or the date the document is delivered in person will be recognized as the date submitted. Electronic submission of applications, notifications, or reports required to be submitted to Ohio EPA fulfills the requirement to submit the required information to the Director, the Southwest Ohio Air Quality Agency, and/or any other individual or organization specifically identified as an additional recipient identified in this permit unless otherwise specified. Consistent with OAC rule 3745-15-03, the required application, notification or report is considered to be "submitted" on the date the submission is successful using a valid electronic signature. Signature by the Responsible Official may be represented as provided through procedures established in Air Services.

B. Facility-Wide Terms and Conditions

1. All the following facility-wide terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only:

   a) None.

2. The only storage piles authorized by this permit are those identified in the terms and conditions for emissions units F004, F007, F009, F010, F011, F014, F018, and P902.

   (Authority for term: OAC rule 3745-77-07(A)(1))

3. The following emissions units contained in this permit are subject to 40 CFR Part 60, SubpartsA and IIII, Standards of Performance for Stationary Compression Ignition Internal Combustion Engines (NSPS): P001, P018, P063, P064, P076, and P080. The complete NSPS requirements, including the NSPS General Provisions may be accessed via the internet from the Electronic Code of Federal Regulations (e-CFR) website http://ecfr.gpoaccess.gov or by contacting the appropriate Ohio EPA District office or local air agency.

   (Authority for term: 40 CFR Part 60)

4. The following emissions units contained in this permit are subject to 40 CFR Part 60, SubpartsA and OOO, Standards of Performance for Nonmetallic Mineral Processing Plants (NSPS): F007, F009, F016, and F017. The complete NSPS requirements, including the NSPS General Provisions may be accessed via the internet from the Electronic Code of Federal Regulations (e-CFR) website http://ecfr.gpoaccess.gov or by contacting the appropriate Ohio EPA District office or local air agency.

   (Authority for term: 40 CFR Part 60)

5. The following emissions units contained in this permit are subject to 40 CFR Part 60, SubpartsA and WWW, Standards of Performance for Municipal Solid Waste Landfills (NSPS): P902. The complete NSPS requirements, including the NSPS General Provisions may be accessed via the internet from the Electronic Code of Federal Regulations (e-CFR) website http://ecfr.gpoaccess.gov or by contacting the appropriate Ohio EPA District office or local air agency.

   (Authority for term: 40 CFR Part 60)

6. The following emissions units contained in this permit are subject to 40 CFR Part 63, SubpartsA and AAAA, National Emission Standards for Hazardous Air Pollutants (NESHAP) for Municipal Solid Waste Landfills: P902. The complete NESHAP requirements, including the NESHAP General Provisions may be accessed via the internet from the Electronic Code of Federal Regulations (e-CFR) website http://ecfr.gpoaccess.gov or by contacting the appropriate Ohio EPA District office or local air agency.

   (Authority for term: 40 CFR Part 63)

7. The following emissions units contained in this permit are subject to 40 CFR Part 63, SubpartsA and MMMM, National Emission Standards for Hazardous Air Pollutants (NESHAP) for Miscellaneous Metal Parts and Products Surface Coating Operations: K001. The complete NESHAP requirements, including the NESHAP General Provisions may be accessed via the internet from the Electronic Code of Federal Regulations (e-CFR) website http://ecfr.gpoaccess.gov or by contacting the appropriate Ohio EPA District office or local air agency.

   (Authority for term: 40 CFR Part 63)

8. The following emissions units contained in this permit are subject to 40 CFR Part 63, SubpartsA and ZZZZ, National Emission Standards for Hazardous Air Pollutants (NESHAP) for Stationary Reciprocating Internal Combustion Engines: P001, P008, P010, P018, P019, P020, P031, P041, P063, P064, P076, P080, and P086. The complete NESHAP requirements, including the NESHAP General Provisions may be accessed via the internet from the Electronic Code of Federal Regulations (e-CFR) website http://ecfr.gpoaccess.gov or by contacting the appropriate Ohio EPA District office or local air agency.

   (Authority for term: 40 CFR Part 63)

9. The following insignificant emissions units at this facility must comply with all applicable State and federal regulations, as well as any emissions limitations and/or control requirements contained within the identified permit to install for the emissions unit. The insignificant emissions units listed below are subject to one or more applicable requirements contained in a permit-to-install or in the SIP approved versions of OAC Chapters 3745-17, 3745-18, 3745-21, 3745-31, and/or 40 CFR Part 60 or 63:

   P001 550 hp Diesel IC Engine for Emergency Generator, Unit #82063 [PBR04712]

   P008 160 hp Diesel IC Engine for Emergency Generator, Unit #GEN2 [PBR10548]

   P031 535 hp Diesel IC Engine for Emergency Generator, Unit #552 [PBR12239]

   P041 102 hp Diesel IC Engine for Emergency Generator, Unit #81140 [PBR12031]

   P063 237 hp Diesel IC Engine for Emergency Generator, Unit #GSFGEN-P063 [PBR12033]

   P064 165 hp Diesel IC Engine for Emergency Generator, Unit #82966 [PBR10603]

   P076 99 hp Diesel IC Engine for Emergency Pump, Unit #82713 [PBR11952]

   P080 16 hp Diesel IC Engine for Flag Pole Light Plant, Unit #82749

   P086 800 hp Diesel IC Engine for Emergency Generator, CNG Station Unit #83000 [PBR10846]

10. The following abbreviations are used throughout this permit:

    NOx = Nitrogen Oxides

    CO = Carbon Monoxide

    OC = Organic Compounds

    VOC = Volatile Organic Compounds

    NMOC = Non-methane Organic Compounds

    PE = Particulate matter measurable by the applicable test methods in 40 CFR Part 60, Appendix A, "Standards of Performance for New Stationary Sources"

    PM_{10} = Particulate matter with an aerodynamic diameter less than or equal to a nominal ten micrometers as measured either by a reference method that is based on 40 CFR Part 50,

Appendix J and designated in accordance with 40 CFR Part 53 or by an equivalent method designated in accordance with 40 CFR Part 53

$PM_{2.5}$ = Particulate matter with an aerodynamic diameter less than or equal to a nominal 2.5 micrometers as measured either by a reference method that is based on 40 CFR Part 50, Appendix L and designated in accordance with 40 CFR Part 53 or by an equivalent method designated in accordance with 40 CFR Part 53

SO_2 = Sulfur dioxide

HAP = Hazardous Air Pollutant

TPY = Tons per year

MMBtu = million British thermal units

PTI = Permit to Install

CFR = Code of Federal Regulations

OAC = Ohio Administrative Code

ORC = Ohio Revised Code

C. Emissions Unit Terms and Conditions

1. F001, Plant Roadways And Parking Areas

Operations, Property and/or Equipment Description:

landfill roadways and parking areas

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3) [PTI 14-05824, issued 12/12/2006]	<u>For Paved Roadways and Parking Areas:</u> Visible emissions of fugitive dust shall not exceed 5% opacity, as a 3-minute average. Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust. See b)(2)a. through b)(2)f. <u>For Unpaved Roadways and Parking Areas:</u> Visible emissions of fugitive dust shall not exceed 5% opacity, as a 3-minute average. Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust. See b)(2)a. through b)(2)f. <u>For Paved and Unpaved Roadways and Parking Areas:</u> PE from the paved and unpaved roadways and parking areas shall not exceed 148.21 TPY.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		PM_{10} emissions from the paved and unpaved roadways and parking areas shall not exceed 34.16 TPY.
b.	OAC rule 3745-17-07(B)	Exempt. See b)(2)g.
c.	OAC rule 3745-17-08(B)	Exempt. See b)(2)h.

(2) Additional Terms and Conditions

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

<u>Paved roadways and parking areas</u>

Paved roadway 1, concrete

Paved roadway 2, asphalt

Paved roadway 3, asphalt

All paved parking areas, asphalt

<u>Unpaved roadways and parking areas</u>

Unpaved roadway 1, gravel

Unpaved roadway 2, gravel

Unpaved roadway 3, gravel

Unpaved parking area 1, gravel

b. The permittee shall employ best available control measures on all paved and unpaved roadways and parking areas for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to treat the paved roadways and parking areas with water flushing and sweeping, and the unpaved roadways with water or other dust suppressant chemicals (except used oil as defined in OAC Chapter 3745-279) at sufficient treatment frequencies to ensure compliance. When necessary to prevent the carry out of earth or other materials onto public roadways, all trucks exiting the unpaved landfill roadways shall travel through the wheel wash located before the scale area. Nothing in this paragraph shall prohibit the permittee from employing other equally effective control measures to ensure compliance.

c. 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 a

paved or 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.

d. The permittee shall promptly remove, in such a manner as to minimize or prevent resuspension of 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.

e. 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.

f. Implementation of the above-mentioned control measures in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the best available technology requirements of OAC rule 3745-31-05.

g. This emissions unit is exempt from the visible emissions limitations for fugitive dust, specified in OAC rule 3745-17-07(B), pursuant to OAC rule 3745-17-07(B)(11)(e), because the emissions unit is not located within areas identified in "Appendix A" of OAC rule 3745-17-08.

h. This emissions unit is not located within areas identified in "Appendix A" of OAC rule 3745-17-08, therefore, the requirements of OAC rule 3745-17-08(B), which requires the installation of reasonably available control measures to prevent fugitive dust, do not apply to this emissions unit pursuant to OAC rule 3745-17-08(A)(1).

c) Operational Restrictions

(1) None.

d) Monitoring and/or Recordkeeping Requirements

(1) Except as otherwise provided in this section, the permittee shall perform inspections of the paved and unpaved roadways and parking areas in accordance with the following frequencies:

Paved roadways and parking areas	Minimum inspection frequency
Paved roadway 1, concrete	once daily when in use
Paved roadway 2, asphalt	once daily when in use
Paved roadway 3, asphalt	once daily when in use
All paved parking areas	once daily when in use

Unpaved roadways and parking areas	Minimum inspection frequency
Unpaved roadway 1, gravel	once daily when in use
Unpaved roadway 2, gravel	once daily when in use
Unpaved roadway 3, gravel	once daily when in use
Unpaved parking area 1	once daily when in use

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

(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. 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. 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.

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

(3) The permittee may, upon receipt of written approval from the Southwest Ohio Air Quality Agency, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

(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)(4)d. shall be kept separately for:

i. the paved roadways and parking areas; and

ii. the unpaved roadways and parking areas, and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

(5) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install #14-05824, issued on December 12, 2006:d)(1) - d)(4). The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Permit to Install.

e) Reporting Requirements

(1) 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, 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.

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

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

(2) The permittee shall also submit annual reports that specify the total PE and PM_{10} emissions from this emissions unit for the previous calendar year. The reports shall be submitted by April 15 of each year. This reporting requirement may be satisfied by including and identifying the specific emission data for this emissions unit in the annual Fee Emission Report.

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

(3) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install #14-05824, issued on December 12, 2006: e)(1) - e)(2). The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

f) Testing Requirements

(1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

a. Emission Limitations:

PE from the paved and unpaved roadways and parking areas shall not exceed 148.21 tons/yr.

PM_{10} emissions from the paved and unpaved roadways and parking areas shall not exceed 34.16 tons/yr.

Applicable Compliance Method:

Compliance shall be determined using the following equations:

tons PE/yr = (A) x (B) x (1 - C) x 1 ton/2,000 lbs
tons PM_{10}/yr = (A) x (B) x (1 - C) x 1 ton/2,000 lbs

where:

A = PE or PM_{10} emission factor, lb/VMT, calculated from AP-42, Sections 13.2.1 (January, 2011) and 13.2.2 (November, 2006);

B = annual vehicle miles traveled (VMT); and

C = control efficiency of 94% and 95%, for paved and unpaved, respectively, from operational parameters outlined in PTI application 14-05292, received March 19, 2002.

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

b. Emission Limitation:

Visible emissions of fugitive dust shall not exceed 5% opacity, as a 3-minute average.

Applicable Compliance Method:

Compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9.

No visible emissions observations are specifically required to demonstrate compliance with this emission limitation but, if appropriate, may be required pursuant to OAC rule 3745-15-04(A).

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

(2) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install 14-05824, issued on December 12, 2006: f)(1). The testing requirements contained in the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

g) Miscellaneous Requirements

(1) If the Director of Ohio EPA has issued a PTI modification for this emissions unit after the issuance date of this permit, the permittee shall comply with the requirements of OAC rule 3745-77-04(D) and OAC rule 3745-77-08(C) to incorporate PTI modifications into this permit. For a minor permit modification pursuant to OAC rule 3745-77-08(C)(1), compliance with the PTI terms and conditions and the proposed Title V terms and conditions submitted with the minor permit modification application will demonstrate compliance with the requirements of this Title V permit, unless the modifications are expressly prohibited by the terms of this permit. If the PTI modifications are prohibited by the terms and conditions of this permit, a Title V permit modification must be obtained before the operation of any new or modified emissions unit.

2. F004, Mineral Extraction

Operations, Property and/or Equipment Description:

mineral extraction, including drilling, blasting, and loading

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3) [PTI P0118389, issued 3/13/2015]	PE shall not exceed 106.52 pounds per day. PE shall not exceed 0.21 pound per hour from the exhaust stack of the drilling operation. PE shall not exceed 16.96 TPY. PM_{10} emissions shall not exceed 54.47 pounds per day. PM_{10} emissions shall not exceed 8.68 TPY. Visible particulate emissions from any fugitive dust emission point shall not exceed 20% opacity as a three-minute average. See b)(2)a., b)(2)b., b)(2)c., c)(1), and c)(2). The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A)(1).
b.	OAC rule 3745-17-07(A)(1)	Visible particulate emissions from any stack serving this emissions unit shall not exceed 20% opacity as a six-minute

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		average, except as provided by rule.
c.	OAC rule 3745-17-07(B)	Exempt. See b)(2)d.
d.	OAC rule 3745-17-08(B)	Exempt. See b)(2)e.
e.	OAC rule 3745-17-11(B)	The PE limitation specified by this rule is less stringent than the PE limitation established pursuant to OAC rule 3745-31-05(A)(3).

(2) Additional Terms and Conditions

a. Emissions from the drilling of blast holes shall be vented to a multiclone followed by a baghouse with 99% control efficiency.

b. The drop height shall be minimized during the load out operation of blasted material.

c. Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by the use of a multiclone and baghouse for the drilling operation, limiting the blasts, holes drilled and amount of material loaded, the visible particulate emission limitations and the specified emission limitations.

d. This emissions unit is exempt from the visible emissions limitations for fugitive dust, specified in OAC rule 3745-17-07(B), pursuant to OAC rule 3745-17-07(B)(11)(e), because the emissions unit is not located within areas identified in "Appendix A" of OAC rule 3745-17-08.

e. This emissions unit is not located within areas identified in "Appendix A" of OAC rule 3745-17-08, therefore, the requirements of OAC rule 3745-17-08(B), which requires the installation of reasonably available control measures to prevent fugitive dust, do not apply to this emissions unit pursuant to OAC rule 3745-17-08(A)(1).

c) Operational Restrictions

(1) The maximum daily production rates for mineral extraction shall not exceed 24,000 tons of aggregate loaded, 3 blasts, and 200 holes drilled.

[Authority for term: OAC3745-31-05(A)(3) and 3745-77-07(A)(1)]

(2) The maximum annual production rate for mineral extraction shall not exceed 7,020,000 tons of aggregate loaded, 1,000 blasts, and 50,000 holes drilled.

[Authority for term: OAC3745-31-05(A)(3) and 3745-77-07(A)(1)]

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall maintain daily records of the following information for this emissions unit:

a. the amount, in tons, of aggregate loaded out;

b. the number of holes drilled; and

c. the number of blasts.

[Authority for term: OAC3745-31-05(A)(3) and 3745-77-07(C)(1)]

(2) The permittee shall maintain annual records of the following information for this emissions unit:

a. the amount, in tons, of aggregate loaded out [summation of d)(1)a. for the calendar year];

b. the number of holes drilled [summation of d)(1)b. for the calendar year]; and

c. the number of blasts [summation of d)(1)c. for the calendar year].

[Authority for term: OAC3745-77-07(C)(1)]

(3) The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit (baghouse exhaust). The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the color of the emissions;

b. whether the emissions are representative of normal operations;

c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;

d. the total duration of any visible emissions incident; and

e. any corrective actions taken to minimize or eliminate the visible emissions.

If visible emissions are present, a visible emissions incident has occurred. The observer does not have to document the exact start and end times for the visible emissions incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emissions incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.

[Authority for term: OAC3745-31-05(A)(3), 3745-17-07(A)(1), and 3745-77-07(C)(1)]

(4) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install #P0118389, issued on March 13, 2015:d)(1) - d)(3). The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Permit to Install.

e) Reporting Requirements

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

a. the maximum daily aggregate loaded (24,000 tons/day);

b. the maximum daily number of blasts (3); and

c. the maximum daily number of holes drilled (200).

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

[Authority for term: OAC3745-31-05(A)(3) and 3745-77-07(C)(1)]

(2) The permittee shall submit quarterly written reports that:

a. identify all days during which abnormal visible particulate emissions were observed escaping from the baghouse exhaust; and

b. describe any corrective actions taken to eliminate the abnormal visible particulate emissions.

These quarterly reports shall be submitted to the Southwest Ohio Air Quality Agency by January 31, April 30, July 31 and October 31 of each year and shall cover the previous calendar quarter.

[Authority for term: OAC3745-31-05(A)(3), OAC rule 3745-17-07(A)(1), and 3745-77-07(C)(1)]

(3) The permittee shall submit annual reports that specify the total production of aggregate loaded out, the total number of blasts and the total number of holes drilled for the calendar year. These reports shall be submitted by April 15 of each year and shall cover the previous calendar year. This reporting requirement may be satisfied by including and identifying the specific production data for this emissions unit in the annual Fee Emission Report.

[Authority for term: OAC3745-31-05(A)(3) and 3745-77-07(C)(1)]

(4) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install #P0118389, issued on March 13, 2015: e)(1)- e)(3). The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

f) Testing Requirements

(1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

a. Emission Limitations:

PE shall not exceed 106.52 lbs/day.

PE shall not exceed 16.96 TPY.

Applicable Compliance Method:

The daily PE limitation was established by the following methodology:

(A) x (B) x (C) = daily PE (for each operation)

drilling(fugitive): 200 holes/day x 0.044 lb/hole = 8.80 lbs/day of PE
drilling(stack): 200 holes/day x 0.176 lb/hole x 0.01 = 0.35 lb/day of PE
loading: 24,000 tons/day x 0.000842 lb/ton = 20.21 lbs/day of PE
blasting: 3 blasts/day x 25.72 lbs/blast = 77.16 lbs/day of PE

Total = 106.52 lbs/day of PE

where:

A = allowable operational limit of (holes drilled, number of blast or aggregate loaded)
B = emission factor*
C = 1 - the control efficiency of the multiclone and baghouse (i.e., 99%)

Compliance with the daily PE limitation shall be determined by the record keeping requirements specified in d)(1).

The annual PE limitation was established by the following methodology:

(A) x (B) x (C)/2000 = annual PE (for each operation)

drilling (fugitive): 50,000 holes/yr x 0.044 lb/hole = 2,200 lbs/yr
drilling (stack): 50,000 holes/yr x 0.176 lb/hole x 0.01 = 88 lbs/yr
loading: 7,020,000 tons/yr x 0.000842 lb/ton = 5,910.84lbs/yr
blasting: 1,000 blasts/yr x 25.72 lbs/blast = 25,720 lbs/yr

Total = 33,918.8 lbs of PE/yr x 1 ton/2,000 lbs = 16.96 TPY of PE

where:

A = allowable operational limit of (holes drilled, number of blast or aggregate loaded)
B = emission factor*
C = 1 - the control efficiency of the multiclone and baghouse (i.e., 99%)

Compliance with the annual PE limitation is ensured through compliance with the annual operational restrictions for the amount of aggregate loaded, number of blasts, and the number of holes drilled.

*emission factors provided by the permittee in the application for PTI 14-05382, submitted 11/8/2002, as follows:

Drilling (fugitive): PE from AP-42, Fifth Edition, Chapter 11.9, (October, 1998), PM_{10}assumed to be 50% of PE;
Drilling (stack): PE from AP-42, Fifth Edition, Chapter 11.9, (October, 1998), PM_{10} assumed to be equal to PE;
Blasting: PE and PM_{10} emissions from AP-42, Fifth Edition, Chapter 11.9, October, 1998); and
Loading: PE and PM_{10} emissions from AP-42, Fifth Edition, Chapter 13.2.4, (November, 2006).

[Authority for term: OAC3745-31-05(A)(3) and 3745-77-07(C)(1)]

b. Emission Limitation:

PE shall not exceed 0.21 pound per hour from the exhaust stack of the drilling operation.

Applicable Compliance Method:

The hourly PE limitation was established by the following methodology:

120 holes/hr x 0.176 lbs of PE/hole x 0.01 (i.e., 99% control)

If required, the permittee shall demonstrate compliance with the hourly PE limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1-5, as appropriate.

[Authority for term: OAC3745-31-05(A)(3) and 3745-77-07(C)(1)]

c. Emission Limitations:

PM_{10} emissions shall not exceed 54.47lbs/day.

PM_{10} emissions shall not exceed 8.68 TPY.

Applicable Compliance Method:

The daily PM_{10} emission limitation was established by the following methodology:

(A) x (B) x (C) = daily PM_{10} (for each operation)

drilling (fugitive): 200 holes/day x 0.022 lb/hole = 4.4 lbs/day of PM_{10}
drilling (stack): 200 holes/day x 0.176lb/hole x 0.01 = 0.35lb/day of PM_{10}
loading: 24,000 tons/day x 0.0004 lb/ton = 9.6 lbs/day of PM_{10}
blasting: 3 blasts/day x 13.374 lbs/blast = 40.12 lbs/day of PM_{10}

Total = 54.47lbs/day of PM_{10}

Where:

A = allowable operational limit of (holes drilled, number of blast or aggregate loaded)
B = emission factor*
C = 1 - the control efficiency of the multiclone and baghouse (i.e., 99%)

Compliance with the daily PM_{10} limitation shall be determined by the record keeping requirements specified d)(1).

The annual PM_{10} limitation was established by the following methodology:

(A) x (B) x (C)/2000 = annual PM_{10} (for each operation)

drilling (fugitive): 50,000 holes/yr x 0.022 lb/hole = 1,100 lbs/yr
drilling (stack): 50,000 holes/yr x 0.176 lb/hole x 0.01 = 88 lbs/yr
loading: 7,020,000 tons/yr x 0.0004 lb/ton = 2,808 lbs/yr
blasting: 1,000 blasts/yr x 13.37 lbs/blast = 13,370 lbs/yr

Total PM_{10} = 17,366 lbs of PM_{10} x 1 ton/2,000 lbs = 8.68 TPY of PM_{10} emissions

A = allowable operational limit of (holes drilled, number of blast or aggregate loaded)
B = emission factor*
C = 1 - the control efficiency of the multiclone and baghouse (i.e., 99%)

Compliance with the annual PM_{10} emission limitation is ensured through compliance with the annual operational restrictions for the amount of aggregate loaded, number of blasts, and the number of holes drilled.

*emission factors provided by the permittee in the application for PTI 14-05382, submitted 11/8/2002, as follows:

> Drilling (fugitive): PE from AP-42, Fifth Edition, Chapter 11.9, (October, 1998), PM_{10}assumed to be 50% of PE;
> Drilling (stack): PE from AP-42, Fifth Edition, Chapter 11.9, (October, 1998), PM_{10} assumed to be equal to PE;

Blasting: PE and PM_{10} emissions from AP-42, Fifth Edition, Chapter 11.9, October, 1998); and
Loading: PE and PM_{10} emissions from AP-42, Fifth Edition, Chapter 13.2.4, (November, 2006).

[Authority for term: OAC3745-31-05(A)(3) and 3745-77-07(C)(1)]

d. Emission Limitation:

Visible particulate emissions from any fugitive dust emission point shall not exceed 20% opacity as a three-minute average.

Applicable Compliance Method:

Compliance shall be determined through visible emission observations performed in accordance with U.S. EPA Method 9 and the procedures specified in OAC rule 3745-17-03(B)(3).

No visible emissions observations are specifically required to demonstrate compliance with this emission limitation but, if appropriate, may be required pursuant to OAC rule 3745-15-04(A).

[Authority for term: OAC3745-31-05(A)(3) and 3745-77-07(C)(1)]

e. Emission Limitation:

Visible particulate emissions from any stack serving this emissions unit shall not exceed 20% opacity as a six-minute average, except as provided by rule.

Applicable Compliance Method:

Compliance with the stack visible particulate emissions limitation shall be determined through visible emissions observations performed in accordance with U.S. EPA Method 9.

No visible emissions observations are specifically required to demonstrate compliance with this emission limitation but, if appropriate, may be required pursuant to OAC rule 3745-15-04(A).

[Authority for term: OAC3745-31-05(A)(3), 3745-17-07(A)(1), and 3745-77-07(C)(1)]

(2) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install #P0118389, issued on March 13, 2015: f)(1). The testing requirements contained in the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

g) Miscellaneous Requirements

(1) If the Director of Ohio EPA has issued a PTI modification for this emissions unit after the issuance date of this permit, the permittee shall comply with the requirements of OAC rule 3745-77-04(D) and OAC rule 3745-77-08(C) to incorporate PTI modifications into this permit. For a minor permit modification pursuant to OAC rule 3745-77-08(C)(1), compliance with the PTI terms and conditions and the proposed Title V terms and conditions submitted with the minor permit modification application will demonstrate compliance with the requirements of this Title V permit, unless the modifications are expressly prohibited by the terms of this permit. If the PTI modifications are prohibited by the terms and conditions of this permit, a Title V permit modification must be obtained before the operation of any new or modified emissions unit.

3. F007, Unit #80040 (F007)

Operations, Property and/or Equipment Description:

150 tons/hr portable soil shredder-screener, including material handling, screening, and storage piles

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3) [PTI 14-05382, issued 6/10/2004]	PE shall not exceed 4.08 pounds per hour*, excluding storage piles. PM_{10} emissions shall not exceed 0.50 pound per hour*, excluding storage piles. PE shall not exceed 10.79 TPY, including storage piles. PM_{10} shall not exceed 2.85 TPY, including storage piles. *The hourly emission limitations outlined above are based upon the emissions unit's potential to emit. Therefore, no hourly record keeping or reporting is required to demonstrate compliance with these limits. There shall be no fugitive visible particulate emissions from any material storage pile associated with this emissions unit, except for one minute during any sixty-minute observation period. See c)(3).

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		The requirements of this rule also include compliance with the requirements of 40 CFR Part 60, Subpart OOO and OAC rule 3745-17-08(B).
b.	OAC rule 3745-17-07(B)(1) (applicable only if this portable emissions unit is located in an area identified in Appendix A of OAC rule 3745-17-08)	Visible emissions of fugitive dust shall not exceed twenty percent opacity as a three-minute average. See b)(2)a. and b)(2)b.
c.	OAC rule 3745-17-07(B)(6) (applicable only if this portable emissions unit is located in an area identified in Appendix A of OAC rule 3745-17-08)	The fugitive visible particulate emission limitation for material storage piles specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3) which applies in both Appendix A and non-Appendix A areas.
d.	OAC rule 3745-17-08(B) (applicable only if this portable emissions unit is located in an area identified in Appendix A of OAC rule 3745-17-08)	Reasonably available control measures that are sufficient tominimize or eliminate visible particulate emissions of fugitive dust. See b)(2)c., c)(1), and c)(2).
e.	40 CFR Part 60, Subpart OOO (40 CFR 60.670-676) *Standards of Performance (NSPS) for Nonmetallic Mineral Processing Plants* [In accordance with 40 CFR 60.670 and 60.671, and when processing material that meets the definition of nonmetallic minerals, this emissions unit is a nonmetallic mineral processing plant subject to the Standards of Performance for Nonmetallic Mineral Processing Plants, constructed, modified or reconstructed after August 31, 1983, and before April 22, 2008.]	Comply with the applicable fugitive emission limitations for particulate matter specified in b)(2)d. pursuant to Table 3 of Subpart OOO. [40 CFR 60.672(b)] See b)(2)d. and b)(2)e.

(2) Additional Terms and Conditions

a. When the emissions unit is processing nonmetallic mineral material subject to 40 CFR Part 60, Subpart OOO, the emission limitation specified by OAC rule 3745-

17-07(B)(1) is less stringent than the emission limitation established pursuant to 40 CFR Part 60, Subpart OOO, which applies in both Appendix A and non-Appendix A areas. The permittee shall comply with all applicable emission limitations (including any less stringent limitation) for this emissions unit.

b. Thisportable emissions unit is exempt from the visible emissions limitations for fugitive dust, specified in OAC rule 3745-17-07(B)(1), pursuant to OAC rule 3745-17-07(B)(11)(e), when the portable emissions unit is not located within areas identified in "Appendix A" of OAC rule 3745-17-08.

c. When this portable emissions unit is not located within areas identified in "Appendix A" of OAC rule 3745-17-08, the requirements of OAC rule 3745-17-08(B), which requires the implementation of reasonably available control measures to prevent fugitive dust, do not apply to this emissions unit pursuant to OAC rule 3745-17-08(A)(1).

d. When the emissions unit is processing nonmetallic mineral material subject to 40 CFR Part 60, Subpart OOO, the permittee shall comply with the following requirements of 40 CFR Part 60, Subpart OOO, Table 3 for affected facilities (as defined in §§60.670 and 60.671) that commenced construction, modification, or reconstruction after August 31, 1983 but before April 22, 2008:

i. Fugitive emissions from grinding mills, screening operations, bucket elevators, transfer points on belt conveyors, bagging operations, storage bins, enclosed truck or railcar loading stations or from any other affected facility (as defined in 60.670 and 60.671) shall not exceed 10 percent opacity, except as provided by 60.672.

ii. Fugitive emissions from crushers, at which a capture system is not used, shall not exceed 15 percent opacity, except as provided in 60.672.

e. The application and enforcement of the provisions of the New Source Performance Standards (NSPS), as promulgated by the United States Environmental Protection Agency, 40 CFR Part 60, are delegated to the Ohio Environmental Protection Agency. The requirements of 40 CFR Part 60 are also federally enforceable.

c) Operational Restrictions

(1) Material processed through this emissions unit shall contain sufficient moisture to minimize or eliminate visible particulate emissions of fugitive dust at all times when this emissions unit is in operation. The moisture content shall be sufficient to demonstrate compliance with the visible particulate emissions specified in this permit. Should the moisture content prove insufficient to be able to demonstrate compliance with the visible emission limitations within this permit, additional control measures shall be employed.

[Authority for term: OAC 3745-17-08(B), 3745-31-05(A)(3), and 3745-77-07(A)(1)]

(2) During the unloading onto or removal from the material storage piles associated with this emissions unit, the drop height of the front end loader and stackers shall be minimized in order to minimize or eliminate visible particulate emissions of fugitive dust.

[Authority for term: OAC 3745-17-08(B), 3745-31-05(A)(3), and 3745-77-07(A)(1)]

(3) The maximum annual amount of material throughput in this emissions unit shall not exceed 500,000 tons/year.

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(A)(1)]

(4) The maximum amount of material throughput in emissions unit F007 shall not exceed 7,305 tons per day.

This term and condition as contained in PTI 14-05382, issued 6/10/2004, included requirements and restrictions for emissions unit F008; however emissions unit F008 was permanently shut down by the permittee on August 27, 2010. Therefore, references to emissions unit F008 have been removed from this term and condition for the purposes of this Title V operating permit.

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(A)(1)]

(5) The maximum number of processed soil storage piles in emissions unit F007 shall not exceed two, and the maximum quantity of processed soil stored shall not exceed 18,000 tons per pile.

This term and condition as contained in PTI 14-05382, issued 6/10/2004, included requirements and restrictions for emissions unit F008; however emissions unit F008 was permanently shut down by the permittee on August 27, 2010. Therefore, references to emissions unit F008 have been removed from this term and condition for the purposes of this Title V operating permit.

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(A)(1)]

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall maintain records of the following information on a daily basis:

a. the total amount of material throughput, in tons;

b. the total number of processed soil storage piles for emissions unit F007; and

c. the amount of processed soil in each storage pile, in tons.

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

(2) The permittee shall maintain annual records of the total amount of material throughput, in tons [summation of d)(1)a. for the calendar year].

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

(3) On days when this emissions unit is in operation, the permittee shall inspect the shredding operation, material handling operations, and storage piles to ensure that the moisture content of the soil present is sufficient to minimize or eliminate fugitive visible particulate emissions. Should abnormal fugitive visible emissions be present, additional control measures shall be employed to further minimize or eliminate fugitive visible emissions. The results of this inspection and any corrective measures taken to minimize or eliminate fugitive visible emissions shall be recorded in a log book.

The above-mentioned inspections shall be performed during representative, normal operating conditions. No inspection shall be necessary when snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above mentioned applicable requirements.

[Authority for term: OAC 3745-17-08(B), 3745-31-05(A)(3), and 3745-77-07(C)(1)]

(4) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install #14-05382, issued on June 10, 2004:d)(1) - d)(3). The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Permit to Install.

e) Reporting Requirements

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

a. each day during which an inspection required in d)(3) was not performed, excluding an inspection which was not performed due to an exemption for snow and/or ice or precipitation;

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

c. any exceedance of the annual material throughput limitation specified in c)(3); and

d. any exceedance of the daily material throughput and storage pile limitations specified in c)(4) and c)(5), respectively.

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

[Authority for term: OAC 3745-17-08(B), 3745-31-05(A)(3), and 3745-77-07(C)(1)]

(2) The permittee shall submit annual reports that identify the amount of material throughput in this emissions unit. This report shall be submitted by April 15 of each year and shall cover the previous calendar year. This reporting requirement may be satisfied by

including and identifying the specific throughput data for this emissions unit in the annual Fee Emission Report.

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

(3) The permittee shall comply with the applicable reporting requirements required under 40 CFR Part 60, Subpart OOO, including the following sections:

60.676(a)	Replacement notification
60.676(f)	Performance test reports
60.676(h) – (k) and Table 1	Notifications and reporting requirements

[Authority for term: OAC 3745-77-07(C)(1) and 40 CFR Part 60, Subpart OOO]

(4) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install #14-05382, issued on June 10, 2004:e)(1) – e)(3). The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

f) Testing Requirements

(1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

a. Emission Limitations:

PE shall not exceed 4.08 pounds per hour*, excluding storage piles.

PM_{10} emissions shall not exceed 0.50 pound per hour*, excluding storage piles.

Applicable Compliance Method:

Compliance shall be determined by calculating emissions using the following equations:

lbs of PE = (A) x (B) x (1-C);

lbs of PM_{10} = (A) x (B) x (1-C);

where,

A = PEor PM_{10} emission factor, as calculated from AP-42 Sections 11.3(August, 1997)and 13.2.4, (November, 2006). See emission calculations detailed in PTI application 14-05382 for specific emission factors (load-in, load-out, shredding, etc.).

B = maximum hourly throughput of 150 tons.

C = control efficiency, detailed in PTI application 14-05382.

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

b. Emission Limitations:

PE shall not exceed 10.79 TPY, including storage piles.

PM_{10} shall not exceed 2.85 TPY, including storage piles.

Applicable Compliance Method:

Compliance shall be determined by calculating emissions using the following equation:

TPY of PE = (A) x (B) x (1-C) x 0.0005;

TPY of PM_{10} = (A) x (B) x (1-C) x 0.0005;

where,

A = PE or PM_{10} emission factor, as calculated from AP-42 Sections 11.3 (August, 1997) and 13.2.4, (November, 2006) and USEPA BACM Guidance Document Equation 2-12. See emission calculations detailed in PTI application 14-05382 for specific emission factors (load-in, load-out, shredding, etc.).

B = total annual throughput, in tons, from d)(2).

C = control efficiency, detailed in PTI application 14-05382.

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

c. Emission Limitation:

There shall be no fugitive visible particulate emissions from any material storage pile associated with this emissions unit, except for one minute during any sixty-minute observation period.

Applicable Compliance Method:

Compliance with the visible emissions limitation for fugitive dust from the material storage pile areas identified in this permit shall be determined in accordance with U.S. EPA Method 22 and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(c) of OAC rule 3745-17-03.

No visible emissions observations are specifically required to demonstrate compliance with this emission limitation but, if appropriate, may be required pursuant to OAC rule 3745-15-04(A).

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

d. Emission Limitation:

Visible emissions of fugitive dust shall not exceed twenty percent opacity as a three-minute average [OAC rule 3745-17-08 Appendix A areas only].

Applicable Compliance Method:

Compliance with the limitation for visible emissions of fugitive dust shall be determined through visible emissions observations performed in accordance with U.S. EPA Method 9 and the procedures specified in OAC rule 3745-17-03(B)(3).

No visible emissions observations are specifically required to demonstrate compliance with this emission limitation but, if appropriate, may be required pursuant to OAC rule 3745-15-04(A).

[Authority for term: OAC 3745-17-07(B), 3745-31-05(A)(3), and 3745-77-07(C)(1)]

e. Emission Limitations:

Fugitive emissions from grinding mills, screening operations, bucket elevators, transfer points on belt conveyors, bagging operations, storage bins, enclosed truck or railcar loading stations or from any other affected facility (as defined in 60.670 and 60.671) shall not exceed 10 percent opacity, except as provided by 60.672.

Fugitive emissions from crushers, at which a capture system is not used, shall not exceed 15 percent opacity, except as provided in 60.672.

Applicable Compliance Method:

Performance testing shall be conducted in accordance with Table 3 of 40 CFR Part 60, Subpart OOO, and the procedures specified in 60.675(a), 60.675(c), and 60.675(e).

[Authority for term: 40 CFR Part 60, Subpart OOO, OAC 3745-31-05(A)(3), and 3745-77-07(C)(1)]

(2) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install #14-05382, issued on June 10, 2004: f)(1). The testing requirements contained in the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

g) Miscellaneous Requirements

(1) At the discretion and following the approval of the Director (the appropriate Ohio EPA District Office or local air agency), the permittee may relocate the portable source within the State of Ohio without first obtaining a permit-to-install and operate (PTIO) or a permit-to-install (PTI), providing the appropriate notification and exemption requirements

have been met for portable emissions units as specified in OAC rule 3745-31-03(A)(1) or OAC rule 3745-31-05(H), and any subsequent revisions of these OAC rules, as applicable.

(2) The operating restrictions in terms c)(4) and c)(5) for this emissions unit may be waived if the field office that has jurisdiction over where this emissions unit is being relocated to certifies that the emissions unit's operation at the new location will be in compliance with all applicable federal and State laws and regulations.

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

(3) If the Director of Ohio EPA has issued a PTI modification for this emissions unit after the issuance date of this permit, the permittee shall comply with the requirements of OAC rule 3745-77-04(D) and OAC rule 3745-77-08(C) to incorporate PTI modifications into this permit. For a minor permit modification pursuant to OAC rule 3745-77-08(C)(1), compliance with the PTI terms and conditions and the proposed Title V terms and conditions submitted with the minor permit modification application will demonstrate compliance with the requirements of this Title V permit, unless the modifications are expressly prohibited by the terms of this permit. If the PTI modifications are prohibited by the terms and conditions of this permit, a Title V permit modification must be obtained before the operation of any new or modified emissions unit.

4. F009, Unit #80189 (F009)

Operations, Property and/or Equipment Description:

400 tons/hr portable soil/rock crusher, including screening, transfer, and conveying

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3) [PTI 14-05382, issued 6/10/2004]	PE shall not exceed 17.36 pounds per hour*, 59.26 pounds per day, and 32.5 TPY from the soil/rock crushing, transferring, and conveying operation. PM_{10} emissions shall not exceed 7.46 pounds per hour*, 29.55 pounds per day, and 13.95 TPY from the soil/rock crushing, transferring, and conveying operation. *The hourly emission limitations outlined above are based upon the emissions unit's potential to emit. Therefore, no hourly record keeping or reporting is required to demonstrate compliance with these limits. See c)(2) and c)(3). The requirements of this rule also include compliance with the requirements of 40 CFR Part 60, Subpart OOO and OAC rule 3745-17-08(B).
b.	OAC rule 3745-17-07(B)(1) (applicable only if this portable emissions unit is located in an area identified in Appendix A of OAC rule	Visible emissions of fugitive dust shall not exceed twenty percent opacity as a three-minute average. See b)(2)a. and b)(2)b.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
	3745-17-08)	
c.	OAC rule 3745-17-08(B) (applicable only if this portable emissions unit is located in an area identified in Appendix A of OAC rule 3745-17-08)	Reasonably available control measures that are sufficient tominimize or eliminate visible particulate emissions of fugitive dust. See b)(2)c. and c)(1).
d.	40 CFR Part 60, Subpart OOO (40 CFR 60.670-676) *Standards of Performance (NSPS) for Nonmetallic Mineral Processing Plants* [In accordance with 40 CFR 60.670 and 60.671, and when processing material that meets the definition of nonmetallic minerals, this emissions unit is a nonmetallic mineral processing plant subject to the Standards of Performance for Nonmetallic Mineral Processing Plants, constructed, modified or reconstructed after August 31, 1983, and before April 22, 2008.]	Comply with the applicable fugitive emission limitations for particulate matter specified in b)(2)d. pursuant to Table 3 of Subpart OOO. [40 CFR 60.672(b)] See b)(2)d. and b)(2)e.

(2) Additional Terms and Conditions

a. When the emissions unit is processing nonmetallic mineral material subject to 40 CFR Part 60, Subpart OOO, the emission limitation specified by OAC rule 3745-17-07(B)(1) is less stringent than the emission limitation established pursuant to 40 CFR Part 60, Subpart OOO, which applies in both Appendix A and non-Appendix A areas. The permittee shall comply with all applicable emission limitations (including any less stringent limitation) for this emissions unit.

b. Thisportable emissions unit is exempt from the visible emissions limitations for fugitive dust, specified in OAC rule 3745-17-07(B)(1), pursuant to OAC rule 3745-17-07(B)(11)(e), when the portable emissions unit is not located within areas identified in "Appendix A" of OAC rule 3745-17-08.

c. When this portable emissions unit is not located within areas identified in "Appendix A" of OAC rule 3745-17-08, the requirements of OAC rule 3745-17-08(B), which requires the implementation of reasonably available control measures to prevent fugitive dust, do not apply to this emissions unit pursuant to OAC rule 3745-17-08(A)(1).

d. When the emissions unit is processing nonmetallic mineral material subject to 40 CFR Part 60, Subpart OOO, the permittee shall comply with the following requirements of 40 CFR Part 60, Subpart OOO, Table 3 for affected facilities (as defined in §§60.670 and 60.671) that commenced construction, modification, or reconstruction after August 31, 1983 but before April 22, 2008:

i. Fugitive emissions from grinding mills, screening operations, bucket elevators, transfer points on belt conveyors, bagging operations, storage bins, enclosed truck or railcar loading stations or from any other affected facility (as defined in 60.670 and 60.671) shall not exceed 10 percent opacity, except as provided by 60.672.

ii. Fugitive emissions from crushers, at which a capture system is not used, shall not exceed 15 percent opacity, except as provided in 60.672.

e. The application and enforcement of the provisions of the New Source Performance Standards (NSPS), as promulgated by the United States Environmental Protection Agency, 40 CFR Part 60, are delegated to the Ohio Environmental Protection Agency. The requirements of 40 CFR Part 60 are also federally enforceable.

c) Operational Restrictions

(1) Material processed through this emissions unit shall contain sufficient moisture to minimize or eliminate visible particulate emissions of fugitive dust at all times when this emissions unit is in operation. The moisture content shall be sufficient to demonstrate compliance with the visible particulate emissions specified in this permit. Should the moisture content prove insufficient to be able to demonstrate compliance with the visible emission limitations within this permit, additional control measures shall be employed.

[Authority for term: OAC 3745-17-08(B), 3745-31-05(A)(3), and 3745-77-07(A)(1)]

(2) The maximum daily amount of soil/rock throughput in this emissions unit shall not exceed 6,100 tons per day. The maximum annual amount of soil/rock throughput in this emissions unit shall not exceed 1,497,600 tons per year.

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(A)(1)]

(3) The maximum amount of rock throughput in this emissions unit shall not exceed the amount calculated by the following equation:

6,100 tons/day – (0.835 x soil shredded, in tons/day)

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(A)(1)]

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall maintain records of the total amount of material throughput, in tons, on a daily basis.

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

(2) The permittee shall maintain annual records of the total amount of material throughput, in tons [summation of d)(1) for the calendar year].

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

(3) On days when this emissions unit is in operation, the permittee shall inspect the crushing operation, and material handling operations, to ensure that the moisture content of the soil present is sufficient to minimize or eliminate fugitive visible particulate emissions. Should abnormal fugitive visible emissions be present, additional control measures shall be employed to further minimize or eliminate fugitive visible emissions. The results of this inspection and any corrective measures taken to minimize or eliminate fugitive visible emissions shall be recorded in a log book.

The above-mentioned inspections shall be performed during representative, normal operating conditions. No inspection shall be necessary when snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above mentioned applicable requirements.

[Authority for term: OAC 3745-17-08(B), 3745-31-05(A)(3), and 3745-77-07(C)(1)]

(4) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install #14-05382, issued on June 10, 2004:d)(1) - d)(3). The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Permit to Install.

e) Reporting Requirements

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

a. each day during which an inspection required in d)(3) was not performed, excluding an inspection which was not performed due to an exemption for snow and/or ice or precipitation;

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

c. any exceedance of the material throughput limitations specified in c)(2) and c)(3).

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

[Authority for term: OAC 3745-17-08(B), 3745-31-05(A)(3), and 3745-77-07(C)(1)]

(2) The permittee shall comply with the applicable reporting requirements required under 40 CFR Part 60, Subpart OOO, including the following sections:

60.676(a)	Replacement notification
60.676(f)	Performance test reports
60.676(h) – (k) and Table 1	Notifications and reporting requirements

[Authority for term: OAC 3745-77-07(C)(1) and 40 CFR Part 60, Subpart OOO]

(3) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install #14-05382, issued on June 10, 2004:e)(1) – e)(2). The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

f) Testing Requirements

(1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

a. Emission Limitations:

PE shall not exceed 17.36 pounds per hour

PM_{10} emissions shall not exceed 7.46 pounds per hour

Applicable Compliance Method:

Compliance shall be determined by calculating emissions using the following equations:

lbs of PE = (A) x (B) x (1-C);

lbs of PM_{10} = (A) x (B) x (1-C);

where,

A = PEor PM_{10} emission factor, as calculated from AP-42 Sections 11.3(August, 1997) for soil processing, 11.19.2 (August, 2004) for rock processing and rock material handling,and 13.2.4, (November, 2006) for soil material handling. See emission calculations detailed in PTI application 14-05382 for specific emission factors (transfer, conveying, crushing/screening, etc.).

B = maximum hourly throughput of 400 tons.

C = control efficiency**,** detailed in PTI application 14-05382.

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

b. Emission Limitations:

PE shall not exceed 59.26 pounds per day.

PM_{10} emissions shall not exceed 29.55 pounds per day.

Applicable Compliance Method:

Compliance shall be determined by calculating emissions using the following equations:

lbs of PE = (A) x (B) x (1-C);

lbs of PM_{10} = (A) x (B) x (1-C);

where,

A = PEor PM_{10} emission factor, as calculated from AP-42 Sections 11.3(August, 1997)for soil processing, 11.19.2 (August, 2004) for rock processing and rock material handling,and 13.2.4, (November, 2006) for soil material handling. See emission calculations detailed in PTI application 14-05382 for specific emission factors (transfer, conveying, crushing/screening, etc.).

B = total daily throughput, in tons, from d)(1)

C = control efficiency**,** detailed in PTI application 14-05382.

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

c. Emission Limitations:

PE shall not exceed 32.5 TPY.

PM_{10} shall not exceed 13.95 TPY.

Applicable Compliance Method:

Compliance shall be determined by calculating emissions using the following equation:

TPY of PE = (A) x (B) x (1-C) x 0.0005;

TPY of PM_{10} = (A) x (B) x (1-C) x 0.0005;

where,

A = PE or PM_{10} emission factor, as calculated from AP-42 Sections 11.3 (August, 1997) for soil processing, 11.19.2 (August, 2004) for rock processing and rock material handling,and 13.2.4, (November, 2006) for soil material handling. See emission calculations detailed in PTI application 14-05382 for specific emission factors (transfer, conveying, crushing/screening, etc.).

B = total annual throughput, in tons, from d)(2).

C = control efficiency, detailed in PTI application 14-05382.

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

d. Emission Limitation:

Visible emissions of fugitive dust shall not exceed twenty percent opacity as a three-minute average [OAC rule 3745-17-08 Appendix A areas only].

Applicable Compliance Method:

Compliance with the limitation for visible emissions of fugitive dust shall be determined through visible emissions observations performed in accordance with U.S. EPA Method 9 and the procedures specified in OAC rule 3745-17-03(B)(3).

No visible emissions observations are specifically required to demonstrate compliance with this emission limitation but, if appropriate, may be required pursuant to OAC rule 3745-15-04(A).

[Authority for term: OAC 3745-17-07(B) and 3745-77-07(C)(1)]

e. Emission Limitations:

Fugitive emissions from grinding mills, screening operations, bucket elevators, transfer points on belt conveyors, bagging operations, storage bins, enclosed truck or railcar loading stations or from any other affected facility (as defined in 60.670 and 60.671) shall not exceed 10 percent opacity, except as provided by 60.672.

Fugitive emissions from crushers, at which a capture system is not used, shall not exceed 15 percent opacity, except as provided in 60.672.

Applicable Compliance Method:

Performance testing shall be conducted in accordance with Table 3 of 40 CFR Part 60, Subpart OOO, and the procedures specified in 60.675(a), 60.675(c), and 60.675(e).

[Authority for term: 40 CFR Part 60, Subpart OOO, OAC 3745-31-05(A)(3), and 3745-77-07(C)(1)]

(2) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install #14-05382, issued on June 10, 2004: f)(1). The testing requirements contained in the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

g) Miscellaneous Requirements

(1) At the discretion and following the approval of the Director (the appropriate Ohio EPA District Office or local air agency), the permittee may relocate the portable source within the State of Ohio without first obtaining a permit-to-install and operate (PTIO) or a permit-to-install (PTI), providing the appropriate notification and exemption requirements have been met for portable emissions units as specified in OAC rule 3745-31-03(A)(1) or OAC rule 3745-31-05(H), and any subsequent revisions of these OAC rules, as applicable.

(2) The daily emission limitations and daily material throughput restrictions in terms c)(2) and c)(3) for this emissions unit may be waived if the field office that has jurisdiction over where this emissions unit is being relocated to certifies that the emissions unit's operation at the new location will be in compliance with all applicable federal and State laws and regulations.

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

(3) If the Director of Ohio EPA has issued a PTI modification for this emissions unit after the issuance date of this permit, the permittee shall comply with the requirements of OAC rule 3745-77-04(D) and OAC rule 3745-77-08(C) to incorporate PTI modifications into this permit. For a minor permit modification pursuant to OAC rule 3745-77-08(C)(1), compliance with the PTI terms and conditions and the proposed Title V terms and conditions submitted with the minor permit modification application will demonstrate compliance with the requirements of this Title V permit, unless the modifications are expressly prohibited by the terms of this permit. If the PTI modifications are prohibited by the terms and conditions of this permit, a Title V permit modification must be obtained before the operation of any new or modified emissions unit.

5. F010, Crushed Soil/Stone Storage Piles

Operations, Property and/or Equipment Description:

crushed soil/stone storage piles, including load-in, load-out, and wind erosion

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3) [PTI 14-05382, issued 6/10/2004]	PE shall not exceed 26.8 TPY. PM_{10} shall not exceed 13.4 TPY. Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust. See b)(2)a. through b)(2)e. There shall be no fugitive visible particulate emissions from any material storage pile associated with this emissions unit, except for one minute during any sixty-minute observation period.
b.	OAC rule 3745-17-07(B)(1)	Exempt. See b)(2)f.
c.	OAC rule 3745-17-08(B)	Exempt. See b)(2)g.

(2) Additional Terms and Conditions

a. The permittee shall employ best available control measures on all load-in and load-out operations associated with the storage piles for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to watering and reduced drop height for load-in, and watering for load-out to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

b. The above-mentioned control measure(s) shall be employed for each load-in and load-out operation if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measure(s) are necessary to ensure compliance with the above-mentioned applicable requirements. Any required implementation of the control measure(s) shall continue during any such operation until further observation confirms that use of the measure(s) is unnecessary.

c. The permittee shall employ best available control measures for wind erosion from the surfaces of all storage piles for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to watering and maintaining low pile height to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

d. The above-mentioned control measure(s) 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 measure(s) are necessary to ensure compliance with the above-mentioned applicable requirements. Implementation of the control measure(s) shall not be necessary for a storage pile 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.

e. 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(A)(3).

f. This emissions unit is exempt from the visible emissions limitations for fugitive dust, specified in OAC rule 3745-17-07(B), pursuant to OAC rule 3745-17-07(B)(11)(e), because the emissions unit is not located within areas identified in "Appendix A" of OAC rule 3745-17-08.

g. This emissions unit is not located within areas identified in "Appendix A" of OAC rule 3745-17-08, therefore, the requirements of OAC rule 3745-17-08(B), which requires the installation of reasonably available control measures to prevent fugitive dust, do not apply to this emissions unit pursuant to OAC rule 3745-17-08(A)(1).

c) Operational Restrictions

(1) The maximum amount of crushed soil/rock throughput in this emissions unit shall not exceed 1,497,600 tons per year.

[Authority for term: OAC3745-31-05(A)(3) and 3745-77-07(A)(1)]

(2) The maximum daily amount of crushed soil/rock throughput in this emissions unit shall not exceed 6,100 tons per day.

[Authority for term: OAC3745-31-05(A)(3) and 3745-77-07(A)(1)]

(3) The maximum amount of soil/rock throughput in this emissions unit shall not exceed the amount calculated by the following equation:

6,100 tons/day – (0.835 x soil shredded, in tons/day)

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(A)(1)]

(4) The maximum number of storage piles in this emissions unit shall not exceed three, and the maximum quantity of material stored shall not exceed 50,000 tons per pile.

[Authority for term: OAC3745-31-05(A)(3) and 3745-77-07(A)(1)]

d) Monitoring and/or Recordkeeping Requirements

(1) Except as otherwise provided in the terms below, the permittee shall perform inspections of the load-in operation at each storage pile in accordance with the following frequencies:

Storage Pile Identification	Minimum Load-in Inspection Frequency
all	once daily during operation

[Authority for term: OAC3745-31-05(A)(3)and 3745-77-07(C)(1)]

(2) Except as otherwise provided in the terms below, the permittee shall perform inspections of the load-out operation at each storage pile in accordance with the following frequencies:

Storage Pile Identification	Minimum Load-out Inspection Frequency
all	once daily during operation

[Authority for term: OAC3745-31-05(A)(3)and 3745-77-07(C)(1)]

(3) Except as otherwise provided in the terms below, the permittee shall perform inspections of the wind erosion from pile surfaces associated with each storage pile in accordance with the following frequencies:

Storage Pile Identification	Minimum Wind Erosion Inspection Frequency
all	once daily during operation

[Authority for term: OAC3745-31-05(A)(3)and 3745-77-07(C)(1)]

(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.

[Authority for term: OAC3745-31-05(A)(3)and 3745-77-07(C)(1)]

(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.

[Authority for term: OAC3745-31-05(A)(3)and 3745-77-07(C)(1)]

(6) The permittee may, upon receipt of written approval from the Southwest Ohio Air Quality Agency, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.

[Authority for term: OAC3745-31-05(A)(3)and 3745-77-07(C)(1)]

(7) 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, for wind erosion from pile surfaces, the total number of days where snow and/or ice cover or precipitation were sufficient to not require the control measure(s).

The information required in d)(7)d. shall be kept separately for:

i. the load-in operations;

ii. the load-out operations; and

iii. the pile surfaces (wind erosion), and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

[Authority for term: OAC3745-31-05(A)(3)and 3745-77-07(C)(1)]

(8) The permittee shall maintain records of the total amount of material (crushed soil/rock) throughput, in tons, on a daily basis.

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

(9) The permittee shall maintain daily records of the following information:

a. the total number of processed soil/rock storage piles for this emissions unit; and

b. the amount of processed material (soil/rock) in each storage pile, in tons.

[Authority for term: OAC3745-31-05(A)(3)and 3745-77-07(C)(1)]

(10) The permittee shall maintain annual records of the total amount of material (crushed soil/rock) throughput, in tons [summation of d)(8) for the calendar year].

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

(11) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install #14-05382, issued on June 10, 2004:d)(1) through d)(10). The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Permit to Install.

e) Reporting Requirements

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

a. each day during which an inspection required in d)(1), d)(2) and d)(3) was not performed, excluding an inspection which was not performed due to an exemption for snow and/or ice or precipitation;

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

c. any exceedance of the operational restrictions specified in c)(1), c)(2), and c)(3).

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

[Authority for term: OAC3745-31-05(A)(3)and 3745-77-07(C)(1)]

(2) The permittee shall submit annual reports that identify the amount of crushed soil/rock throughput in this emissions unit. This report shall be submitted by April 15 of each year and shall cover the previous calendar year. This reporting requirement may be satisfied by including and identifying the specific throughput data for this emissions unit in the annual Fee Emission Report.

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

(3) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install #14-05382, issued on June 10, 2004:e)(1) – e)(2). The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

f) Testing Requirements

(1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

a. Emission Limitations:

PE shall not exceed 26.8 TPY.

PM_{10} shall not exceed 13.4 TPY.

Applicable Compliance Method:

The TPY limit was established based upon emission calculations using AP-42, Chapter 13.2.4 (November, 2006) emission factors and USEPA BACM Guidance Document Equation 2-12. Compliance shall be determined by using AP-42 emission factors and the appropriate operating information from the monitoring and record keeping requirements contained in this permit and the control efficiency and emission calculations detailed in PTI Application #14-05382.

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

b. Emission Limitation:

There shall be no fugitive visible particulate emissions from any material storage pile associated with this emissions unit, except for one minute during any sixty-minute observation period.

Applicable Compliance Method:

Compliance with the visible emissions limitation for fugitive dust from the material storage pile areas identified in this permit shall be determined in accordance with U.S. EPA Method 22 and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(c) of OAC rule 3745-17-03.

No visible emissions observations are specifically required to demonstrate compliance with this emission limitation but, if appropriate, may be required pursuant to OAC rule 3745-15-04(A).

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

(2) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install #14-05382, issued on June 10, 2004: f)(1). The testing requirements contained in the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

g) Miscellaneous Requirements

(1) If the Director of Ohio EPA has issued a PTI modification for this emissions unit after the issuance date of this permit, the permittee shall comply with the requirements of OAC rule 3745-77-04(D) and OAC rule 3745-77-08(C) to incorporate PTI modifications into this permit. For a minor permit modification pursuant to OAC rule 3745-77-08(C)(1), compliance with the PTI terms and conditions and the proposed Title V terms and conditions submitted with the minor permit modification application will demonstrate compliance with the requirements of this Title V permit, unless the modifications are expressly prohibited by the terms of this permit. If the PTI modifications are prohibited by the terms and conditions of this permit, a Title V permit modification must be obtained before the operation of any new or modified emissions unit.

6. F011, Crushed Soil/Stone Misc. Material Handling Operations

Operations, Property and/or Equipment Description:

crushed soil/stone material handling operations

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3) [PTI 14-05382, issued 6/10/2004]	PE shall not exceed 0.34 pound per hour* and 0.63 TPY. PM_{10} emissions shall not exceed 0.16 pound per hour* and 0.30 TPY. *The hourly emission limitations outlined above are based upon the emissions unit's potential to emit. Therefore, no hourly record keeping or reporting is required to demonstrate compliance with these limits. Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust. See b)(2)a. through b)(2)d. Visible particulate emissions from any fugitive dust emission point shall not exceed 20% opacity as a three-minute average.
b.	OAC rule 3745-17-07(B)(1)	Exempt. See b)(2)e.
c.	OAC rule 3745-17-08(B)	Exempt. See b)(2)f.

(2) Additional Terms and Conditions

a. The material handling operation(s) that comprise this emissions unit and subject to the requirements of OAC rule 3745-31-05(A)(3) are listed below:

Load-in and load-out of the crusher, of vehicles, and other miscellaneous material handling

b. The permittee shall employ best available control measures for the above-identified material handling operation(s) for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to perform the following control measure(s) to ensure compliance:

<u>material handling operation(s)</u>

rubber-tire loader dumping

<u>control measure(s)</u>

watering, minimizing drop height during load-in, load-out and unloading

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

c. For each material handling operation, the above-identified control measure(s) shall be implemented if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measure(s) is (are) necessary to ensure compliance with the above-mentioned applicable requirements. Any required implementation of the control measure(s) shall continue during the operation of the material handling operation(s) until further observation confirms that use of the control measure(s) is unnecessary.

d. 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(A)(3).

e. This emissions unit is exempt from the visible emissions limitations for fugitive dust, specified in OAC rule 3745-17-07(B), pursuant to OAC rule 3745-17-07(B)(11)(e), because the emissions unit is not located within areas identified in "Appendix A" of OAC rule 3745-17-08.

f. This emissions unit is not located within areas identified in "Appendix A" of OAC rule 3745-17-08, therefore, the requirements of OAC rule 3745-17-08(B), which requires the installation of reasonably available control measures to prevent fugitive dust, do not apply to this emissions unit pursuant to OAC rule 3745-17-08(A)(1).

c) Operational Restrictions

(1) The maximum amount of excavated soil/rock throughput in this emissions unit shall not exceed 1,497,600 tons per year.

[Authority for term: OAC3745-31-05(A)(3) and 3745-77-07(A)(1)]

(2) The maximum daily amount of soil/rock throughput in this emissions unit shall not exceed 6,100 tons per day.

[Authority for term: OAC3745-31-05(A)(3) and 3745-77-07(A)(1)]

(3) The maximum amount of soil/rock throughput in this emissions unit shall not exceed the amount calculated by the following equation:

6,100 tons/day – (0.835 x soil shredded, in tons/day)

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(A)(1)]

d) Monitoring and/or Recordkeeping Requirements

(1) Except as otherwise provided in the terms below, for material handling operations that are not adequately enclosed, the permittee shall perform inspections of such operations in accordance with the following frequencies:

Material handling operation(s)	Minimum Inspection Frequency
rubber-tire loader dumping	once daily during operation

[Authority for term: OAC3745-31-05(A)(3)and 3745-77-07(C)(1)]

(2) The above-mentioned inspections shall be performed during representative, normal operating conditions. No inspection shall be necessary when snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above mentioned applicable requirements.

[Authority for term: OAC3745-31-05(A)(3)and 3745-77-07(C)(1)]

(3) The permittee may, upon receipt of written approval from the Southwest Ohio Air Quality Agency, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.

[Authority for term: OAC3745-31-05(A)(3)and 3745-77-07(C)(1)]

(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.

The information in d)(4)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.

[Authority for term: OAC3745-31-05(A)(3)and 3745-77-07(C)(1)]

(5) The permittee shall maintain records of the total amount of excavated soil/rock throughput, in tons, on a daily basis.

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

(6) The permittee shall maintain annual records of the total amount of excavated soil/rock throughput, in tons [summation of d)(5) for the calendar year].

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

(7) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install #14-05382, issued June 10, 2004:d)(1) through d)(6). The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Permit to Install.

e) Reporting Requirements

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

a. each day during which an inspection required in d)(1)was not performed, excluding an inspection which was not performed due to an exemption for snow and/or ice or precipitation;

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

c. any exceedance of the operational restrictions specified in c)(1), c)(2), and c)(3).

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

[Authority for term: OAC3745-31-05(A)(3)and 3745-77-07(C)(1)]

(2) The permittee shall submit annual reports that identify the amount of excavated soil/rock throughput in this emissions unit. This report shall be submitted by April 15 of each year and shall cover the previous calendar year. This reporting requirement may be satisfied by including and identifying the specific throughput data for this emissions unit in the annual Fee Emission Report.

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

(3) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install #14-05382, issued on June 10, 2004:e)(1) – e)(2). The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

f) Testing Requirements

(1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

a. Emission Limitation:

Visible particulate emissions from any fugitive dust emission point shall not exceed 20% opacity as a three-minute average.

Applicable Compliance Method:

Compliance shall be determined through visible emission observations performed in accordance with U.S. EPA Method 9 and the procedures specified in OAC rule 3745-17-03(B)(3).

No visible emissions observations are specifically required to demonstrate compliance with this emission limitation but, if appropriate, may be required pursuant to OAC rule 3745-15-04(A).

[Authority for term: OAC3745-31-05(A)(3) and 3745-77-07(C)(1)]

b. Emission Limitations:

PE shall not exceed 0.34 pound per hour.

PM_{10} emissions shall not exceed 0.16 pound per hour.

Applicable Compliance Method:

The hourly emission limitations are based upon the emissions unit's potential to emit and were established by the following methodology:

lb/hr of PE = (A) x (C), calculated for load-in and load-out
lb/hr of PM_{10} emissions = (B) x (C), calculated for load-in and load-out

where:

A = PE emission factor of 0.00084 lb/ton, calculated from AP-42, Section 13.2.4, (November, 2006)

B = PM_{10} emission factor of 0.00040 lb/ton, calculated from AP-42, Section 13.2.4, (November, 2006)

C = Maximum hourly throughput of 400 tons/hour

[Authority for term: OAC3745-31-05(A)(3) and 3745-77-07(C)(1)]

c. Emission Limitations:

PE shall not exceed 0.63 TPY.

PM_{10} emissions shall not exceed 0.30 TPY.

Applicable Compliance Method:

The annual emission limitations were established by the following methodology:

TPY of PE = (A) x (C) x (1 ton/2,000 lbs), calculated for load-in and load-out
TPY of PM_{10} emissions = (B) x (C) x (1 ton/2,000 lbs), calculated for load-in and load-out

where:

A = PE emission factor of 0.00084 lb/ton, calculated from AP-42, Section 13.2.4, (November, 2006)

B = PM_{10} emission factor of 0.00040 lb/ton, calculated from AP-42, Section 13.2.4, (November, 2006)

C = Maximum annual material throughput of 1,497,600 TPY

Compliance with the annual PE/PM_{10} emission limitations is ensured while compliance with the annual material throughput is maintained.

[Authority for term: OAC3745-31-05(A)(3) and 3745-77-07(C)(1)]

(2) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install #14-05382, issued on June 10, 2004: f)(1). The testing requirements contained in the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

g) Miscellaneous Requirements

(1) If the Director of Ohio EPA has issued a PTI modification for this emissions unit after the issuance date of this permit, the permittee shall comply with the requirements of OAC rule 3745-77-04(D) and OAC rule 3745-77-08(C) to incorporate PTI modifications into this permit. For a minor permit modification pursuant to OAC rule 3745-77-08(C)(1),

compliance with the PTI terms and conditions and the proposed Title V terms and conditions submitted with the minor permit modification application will demonstrate compliance with the requirements of this Title V permit, unless the modifications are expressly prohibited by the terms of this permit. If the PTI modifications are prohibited by the terms and conditions of this permit, a Title V permit modification must be obtained before the operation of any new or modified emissions unit.

7. F012, Unit #215 (F012)

Operations, Property and/or Equipment Description:

75 tons/hr portable tub grinder (composting)

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3), as effective 11/30/01 [PTI P0118389, issued 3/13/2015]	PE shall not exceed 1.51 pounds per hour and 0.60 TPY. PM_{10} emissions shall not exceed 0.83 pound per hour and 0.33 TPY. See b)(2)b.
b.	OAC rule 3745-31-05(A)(3)(a)(ii), as effective 12/01/06	See b)(2)c.
c.	OAC rule 3745-31-05(F) [PTI P0118389, issued 3/13/2015]	See c)(1).
d.	OAC rule 3745-17-07(B)(1) (applicable only if this portable emissions unit is located in an area identified in Appendix A of OAC rule 3745-17-08)	Visible particulate emissions from any fugitive dust emissionspoint shall not exceed 20% opacity as a three-minute average. See g)(2).
e.	OAC rule 3745-17-08(B) (applicable only if this portable emissions unit is located in an area identified in Appendix A of OAC rule 3745-17-08)	See b)(2)a. and g)(2).

(2) Additional Terms and Conditions

a. The permittee shall employ reasonably available control measures for the above-identified material handling operation for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee shall maintain the moisture content of material, which may include watering. Nothing in this paragraph shall prohibit the permittee from employing other equally effective control measures to ensure compliance.

b. The permittee has satisfied the Best Available Technology (BAT) requirements pursuant to Ohio Administrative Code (OAC) paragraph 3745-31-05(A)(3), as effective November 30, 2001, in this permit. On December 1, 2006, paragraph (A)(3) of OAC rule 3745-31-05 was revised to conform to the Ohio Revised Code (ORC) changes effective August 3, 2006 (Senate Bill 265 changes), such that BAT is no longer required by State regulations for National Ambient Air Quality Standards (NAAQS) pollutant(s) less than ten tons per year. However, that rule revision has not yet been approved by U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revisions to OAC rule 3745-31-05, the requirement to satisfy BAT still exists as part of the federally-approved SIP for Ohio. Once U.S. EPA approves the December 1, 2006 version of OAC rule 3745-31-05, then these emission limitations/control measures no longer apply.

c. The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to the PE and PM_{10} emissions from this air contaminant source since the uncontrolled potential to emit for PE and PM_{10} emissions is less than ten tons per year.

This rule paragraph applies once U.S. EPA approves the December 1, 2006 version of OAC rule 3745-31-05 as part of the State Implementation Plan.

c) Operational Restrictions

(1) The maximum annual material throughput rate for this emissions unit shall not exceed 60,000 tons/year.

[Authority for term: OAC3745-31-05(F) and 3745-77-07(A)(1)]

d) Monitoring and/or Recordkeeping Requirements

(1) Except as otherwise provided in this section, the permittee shall perform inspections of the material handling operations in accordance with the following frequencies:

Material Handling Operation	Minimum Inspection Frequency
75 tons/hr portable tub grinder	once daily during operation

[Authority for term: OAC 3745-17-08(B) and 3745-77-07(C)(1)]

(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 operating conditions. No inspection shall be necessary for this material handling operation if the material used in this operation 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.

[Authority for term: OAC 3745-17-08(B) and 3745-77-07(C)(1)]

(3) The permittee may, upon receipt of written approval from the Southwest Ohio Air Quality Agency, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.

[Authority for term: OAC 3745-17-08(B) and 3745-77-07(C)(1)]

(4) The permittee shall maintain daily 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 required in d)(4)d. shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

[Authority for term: OAC 3745-17-08(B) and 3745-77-07(C)(1)]

(5) The permittee shall maintain annual records of the total amount of material throughput for this emissions unit for the calendar year, in tons.

[Authority for term: OAC 3745-31-05(F) and 3745-77-07(C)(1)]

(6) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install #P0118389, issued on March 13, 2015:d)(1) through d)(5). The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Permit to Install.

e) Reporting Requirements

(1) 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, 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.

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

[Authority for term: OAC 3745-17-08(B) and 3745-77-07(C)(1)]

(2) The permittee shall submit annual reports that specify the total amount of material throughput for this emissions unit, in tons and the total PE and PM_{10} emissions from this emissions unit for the previous calendar year, in tons. The reports shall be submitted by April 15 of each year. This reporting requirement may be satisfied by including and identifying the specific emission data for this emissions unit in the annual Fee Emission Report.

[Authority for term: OAC 3745-31-05(F), 3745-31-05(A)(3), and 3745-77-07(C)(1)]

(3) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install #P0118389, issued on March 13, 2015:e)(1) – e)(2). The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

f) Testing Requirements

(1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

a. Emission Limitations:

PE shall not exceed 1.51 lbs/hr and 0.60 TPY.

PM_{10} emissions shall not exceed 0.83 lb/hr and 0.33 TPY.

Applicable Compliance Method:

Lbs/hr PE = (A) X (C);

Lbs/hr PM_{10} = (A) x (C);

TPY of PE = (A) x (B) x 1 ton/2,000 lbs; and

TPY of PM_{10}= (A) x (B) x 1 ton/2,000 lbs.

where:

A = PE or PM_{10} emission factor, lb/ton, as calculated from AP-42 Section 13.2.4, (November, 2006) and USEPA's FIRE Version 6.23. See emission calculations detailed in PTI application #14-05916 for specific emission factors (load-in, grinding, transfer, etc.).

B = 60,000 (maximum annual material throughput, in tons).

C = maximum hourly throughput, in tons.

[Authority for term: OAC 3745-31-05(F), 3745-31-05(A)(3), and 3745-77-07(C)(1)]

b. Emission Limitation:

Visible particulate emissions from any fugitive dust emission point shall not exceed 20% opacity as a three-minute average.

Applicable Compliance Method:

Compliance shall be determined through visible emission observations performed in accordance with U.S. EPA Method 9 and the procedures specified in OAC rule 3745-17-03(B)(3).

No visible emissions observations are specifically required to demonstrate compliance with this emission limitation but, if appropriate, may be required pursuant to OAC rule 3745-15-04(A).

[Authority for term: OAC3745-17-07(B) and 3745-77-07(C)(1)]

(2) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install #P0118389, issued on March 13, 2015: f)(1). The testing requirements contained in the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

g) Miscellaneous Requirements

(1) At the discretion and following the approval of the Director (the appropriate Ohio EPA District Office or local air agency), the permittee may relocate the portable source within the State of Ohio without first obtaining a permit-to-install and operate (PTIO) or a permit-to-install (PTI), providing the appropriate notification and exemption requirements have been met for portable emissions units as specified in OAC rule 3745-31-03(A)(1) or OAC rule 3745-31-05(H), and any subsequent revisions of these OAC rules, as applicable.

(2) The requirements outlined in OAC rule 3745-17-07(B)(1) and OAC rule 3745-17-08(B) which include terms and conditions b)(1)d., b)(1)e., b)(2)a., d)(1)-d)(4), e)(1) and f)(1)b. are only applicable when this emissions unit is located in an Appendix A area as outlined in OAC rule 3745-17-08.

(3) If the Director of Ohio EPA has issued a PTI modification for this emissions unit after the issuance date of this permit, the permittee shall comply with the requirements of OAC rule 3745-77-04(D) and OAC rule 3745-77-08(C) to incorporate PTI modifications into this permit. For a minor permit modification pursuant to OAC rule 3745-77-08(C)(1), compliance with the PTI terms and conditions and the proposed Title V terms and conditions submitted with the minor permit modification application will demonstrate compliance with the requirements of this Title V permit, unless the modifications are expressly prohibited by the terms of this permit. If the PTI modifications are prohibited by the terms and conditions of this permit, a Title V permit modification must be obtained before the operation of any new or modified emissions unit.

8. F013, Unit #80053 (F013)

Operations, Property and/or Equipment Description:

50 tons/hr portable screener (composting)

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3), as effective 11/30/01 [PTI P0118389, issued 3/13/2015]	PE shall not exceed 1.01 pounds per hour and 0.60 TPY. PM_{10} emissions shall not exceed 0.56 pound per hour and 0.33 TPY. See b)(2)b.
b.	OAC rule 3745-31-05(A)(3)(a)(ii), as effective 12/01/06	See b)(2)c.
c.	OAC rule 3745-31-05(F) [PTI P0118389, issued 3/13/2015]	See c)(1).
d.	OAC rule 3745-17-07(B)(1) (applicable only if this portable emissions unit is located in an area identified in Appendix A of OAC rule 3745-17-08)	Visible particulate emissions from any fugitive dust emissionspoint shall not exceed 20% opacity as a three-minute average. See g)(2).
e.	OAC rule 3745-17-08(B) (applicable only if this portable emissions unit is located in an area identified in Appendix A of OAC rule 3745-17-08)	See b)(2)a. and g)(2).

(2) Additional Terms and Conditions

a. The permittee shall employ reasonably available control measures for the above-identified material handling operation for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee shall maintain the moisture content of material, which may include watering. Nothing in this paragraph shall prohibit the permittee from employing other equally effective control measures to ensure compliance.

b. The permittee has satisfied the Best Available Technology (BAT) requirements pursuant to Ohio Administrative Code (OAC) paragraph 3745-31-05(A)(3), as effective November 30, 2001, in this permit. On December 1, 2006, paragraph (A)(3) of OAC rule 3745-31-05 was revised to conform to the Ohio Revised Code (ORC) changes effective August 3, 2006 (Senate Bill 265 changes), such that BAT is no longer required by State regulations for National Ambient Air Quality Standards (NAAQS) pollutant(s) less than ten tons per year. However, that rule revision has not yet been approved by U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revisions to OAC rule 3745-31-05, the requirement to satisfy BAT still exists as part of the federally-approved SIP for Ohio. Once U.S. EPA approves the December 1, 2006 version of OAC rule 3745-31-05, then these emission limitations/control measures no longer apply.

c. The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to the PE and PM_{10} emissions from this air contaminant source since the uncontrolled potential to emit for PE and PM_{10} emissions is less than ten tons per year.

This rule paragraph applies once U.S. EPA approves the December 1, 2006 version of OAC rule 3745-31-05 as part of the State Implementation Plan.

c) Operational Restrictions

(1) The maximum annual material throughput rate for this emissions unit shall not exceed 60,000 tons/year.

[Authority for term: OAC3745-31-05(F) and 3745-77-07(A)(1)]

d) Monitoring and/or Recordkeeping Requirements

(1) Except as otherwise provided in this section, the permittee shall perform inspections of the material handling operations in accordance with the following frequencies:

Material Handling Operation	Minimum Inspection Frequency
50 tons/hr portable screener	once daily during operation

[Authority for term: OAC 3745-17-08(B) and 3745-77-07(C)(1)]

(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 operating conditions. No inspection shall be necessary for this material handling operation if the material used in this operation 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.

[Authority for term: OAC 3745-17-08(B) and 3745-77-07(C)(1)]

(3) The permittee may, upon receipt of written approval from the Southwest Ohio Air Quality Agency, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.

[Authority for term: OAC 3745-17-08(B) and 3745-77-07(C)(1)]

(4) The permittee shall maintain daily 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 required in d)(4)d. shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

[Authority for term: OAC 3745-17-08(B) and 3745-77-07(C)(1)]

(5) The permittee shall maintain annual records of the total amount of material throughput for this emissions unit for the calendar year, in tons.

[Authority for term: OAC 3745-31-05(F) and 3745-77-07(C)(1)]

(6) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install #P0118389, issued on March 13, 2015:d)(1) through d)(5). The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Permit to Install.

e) Reporting Requirements

(1) 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, 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.

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

[Authority for term: OAC 3745-17-08(B) and 3745-77-07(C)(1)]

(2) The permittee shall submit annual reports that specify the total amount of material throughput for this emissions unit, in tons, for the previous calendar year. The reports shall be submitted by April 15 of each year. This reporting requirement may be satisfied by including and identifying the specific emission data for this emissions unit in the annual Fee Emission Report.

[Authority for term: OAC 3745-31-05(F), 3745-31-05(A)(3), and 3745-77-07(C)(1)]

(3) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install #P0118389, issued on March 13, 2015:e)(1) – e)(2). The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

f) Testing Requirements

(1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

a. Emission Limitations:

PE shall not exceed 1.01 lbs/hr and 0.60 TPY.

PM_{10} emissions shall not exceed 0.56 lb/hr and 0.33 TPY.

Applicable Compliance Method:

Lbs/hr PE = (A) X (C);

Lbs/hr PM_{10} = (A) x (C);

TPY of PE = (A) x (B) x 1 ton/2,000 lbs; and

TPY of PM_{10}= (A) x (B) x 1 ton/2,000 lbs.

where:

A = PE or PM_{10}emission factor, lb/ton, as calculated from AP-42 Section 13.2.4, (November, 2006) and USEPA's FIRE Version 6.23. See emission calculations detailed in PTI application #14-05916 for specific emission factors (load-in, screening, transfer, etc.).

B = 60,000 (maximum annual material throughput, in tons).

C= maximum hourly throughput, in tons.

[Authority for term: OAC 3745-31-05(F), 3745-31-05(A)(3), and 3745-77-07(C)(1)]

b. Emission Limitation:

Visible particulate emissions from any fugitive dust emission point shall not exceed 20% opacity as a three-minute average.

Applicable Compliance Method:

Compliance shall be determined through visible emission observations performed in accordance with U.S. EPA Method 9 and the procedures specified in OAC rule 3745-17-03(B)(3).

No visible emissions observations are specifically required to demonstrate compliance with this emission limitation but, if appropriate, may be required pursuant to OAC rule 3745-15-04(A).

[Authority for term: OAC3745-17-07(B) and 3745-77-07(C)(1)]

(2) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install #P0118389, issued on March 13, 2015: f)(1). The testing requirements contained in the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

g) Miscellaneous Requirements

(1) At the discretion and following the approval of the Director (the appropriate Ohio EPA District Office or local air agency), the permittee may relocate the portable source within the State of Ohio without first obtaining a permit-to-install and operate (PTIO) or a permit-to-install (PTI), providing the appropriate notification and exemption requirements have been met for portable emissions units as specified in OAC rule 3745-31-03(A)(1) or OAC rule 3745-31-05(H), and any subsequent revisions of these OAC rules, as applicable.

(2) The requirements outlined in OAC rule 3745-17-07(B)(1) and OAC rule 3745-17-08(B) which include terms and conditions b)(1)d., b)(1)e., b)(2)a., d)(1)-d)(4), e)(1) and f)(1)b.

are only applicable when this emissions unit is located in an Appendix A area as outlined in OAC rule 3745-17-08.

(3) If the Director of Ohio EPA has issued a PTI modification for this emissions unit after the issuance date of this permit, the permittee shall comply with the requirements of OAC rule 3745-77-04(D) and OAC rule 3745-77-08(C) to incorporate PTI modifications into this permit. For a minor permit modification pursuant to OAC rule 3745-77-08(C)(1), compliance with the PTI terms and conditions and the proposed Title V terms and conditions submitted with the minor permit modification application will demonstrate compliance with the requirements of this Title V permit, unless the modifications are expressly prohibited by the terms of this permit. If the PTI modifications are prohibited by the terms and conditions of this permit, a Title V permit modification must be obtained before the operation of any new or modified emissions unit.

9. F014, Composting Storage Piles

Operations, Property and/or Equipment Description:

composting operation storage piles

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(F) [PTI P0118389, issued 3/13/2015]	See b)(2)c., c)(1), c)(2), and c)(3).
b.	OAC rule 3745-31-05(A)(3), as effective 11/30/01 [PTI P0118389, issued 3/13/2015]	PE shall not exceed 1.07 TPY. PM_{10} shall not exceed 0.53 TPY. See b)(2)b.
c.	OAC rule 3745-31-05(A)(3)(a)(ii), as effective 12/01/06	See b)(2)c.
d.	OAC rule 3745-17-07(B)(6)	Exempt. See b)(2)d.
e.	OAC rule 3745-17-08(B)	Exempt. See b)(2)e.

(2) Additional Terms and Conditions

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

composting storage piles (windrows) containing composting materials with similar characteristics

b. The permittee has satisfied the Best Available Technology (BAT) requirements pursuant to Ohio Administrative Code (OAC) paragraph 3745-31-05(A)(3), as effective November 30, 2001, in this permit. On December 1, 2006, paragraph (A)(3) of OAC rule 3745-31-05 was revised to conform to the Ohio Revised Code (ORC) changes effective August 3, 2006 (Senate Bill 265 changes), such that BAT is no longer required by State regulations for National Ambient Air Quality Standards (NAAQS) pollutant(s) less than ten tons per year. However, that rule

revision has not yet been approved by U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revisions to OAC rule 3745-31-05, the requirement to satisfy BAT still exists as part of the federally-approved SIP for Ohio. Once U.S. EPA approves the December 1, 2006 version of OAC rule 3745-31-05, then these emission limitations/control measures no longer apply.

c. Permit to Install #P0118389 for this air contaminant source takes into account the following voluntary restrictions as proposed by the permittee for the purpose of avoiding Best Available Technology (BAT) under OAC rule 3745-31-05(A)(3):

i. for PE and PM_{10} emissions: the permittee shall limit the load-in, load-out and compost storage pile and windrow surface area to the amounts specified in c)(1), c)(2) and c)(3) below.

d. This rule paragraph applies once U.S. EPA approves the December 1, 2006 version of OAC rule 3745-31-05 as part of the State Implementation Plan.

e. This emissions unit is exempt from the visible particulate emission limitations for fugitive dust, specified in OAC rule 3745-17-07(B), pursuant to OAC rule 3745-17-07(B)(11)(e), because the emissions unit is not located within areas identified in "Appendix A" of OAC rule 3745-17-08.

f. This emissions unit is not located within areas identified in "Appendix A" of OAC rule 3745-17-08, therefore, the requirements of OAC rule 3745-17-08(B), which requires the installation of reasonably available control measures to prevent fugitive dust, do not apply to this emissions unit pursuant to OAC rule 3745-17-08(A)(1).

c) Operational Restrictions

(1) The maximum annual compost storage piles and windrows incoming material load-in for this emissions unit shall not exceed 60,000 tons.

[Authority for term: OAC 3745-31-05(F), 3745-31-05(A)(3), and 3745-77-07(A)(1)]

(2) The maximum annual final product load-out for this emissions unit shall not exceed 90,000 tons.

[Authority for term: OAC 3745-31-05(F), 3745-31-05(A)(3), and 3745-77-07(A)(1)]

(3) The maximum exposed compost storage pile and windrow surface area shall not exceed 4.26 acres.

[Authority for term: OAC 3745-31-05(F), 3745-31-05(A)(3), and 3745-77-07(A)(1)]

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall maintain annual records of the total amount of incoming material throughput (load-in), final product throughput (load-out) and the calculated compost storage pile and windrow exposed surface area in this emissions unit.

[Authority for term: OAC 3745-31-05(F), 3745-31-05(A)(3), and 3745-77-07(C)(1)]

(2) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install #P0118389, issued on March 13, 2015:d)(1). The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Permit to Install.

e) Reporting Requirements

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

a. any exceedance of the exposed compost storage pile and windrow surface area limitation of 4.26 acres.

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

[Authority for term: OAC 3745-31-05(F), 3745-31-05(A)(3), and 3745-77-07(C)(1)]

(2) The permittee shall submit annual reports that specify the total amount of incoming material throughput (load-in) in tons, final product throughput (load-out) in tons, and exposed compost storage pile and windrow surface area in acres for this emissions unit for the previous calendar year. The reports shall be submitted by April 15 of each year. This reporting requirement may be satisfied by including and identifying the specific emission data for this emissions unit in the annual Fee Emission Report.

[Authority for term: OAC 3745-31-05(F), 3745-31-05(A)(3), and 3745-77-07(C)(1)]

(3) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install #P0118389, issued on March 13, 2015:e)(1) – e)(2). The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

f) Testing Requirements

(1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

a. Emission Limitations:

PE shall not exceed 1.07 TPY.

PM_{10} emissions shall not exceed 0.53 TPY.

Applicable Compliance Method:

The mass emissions for applicability of OAC rule 3745-31-05(A)(3) were determined using the following equations:

Lbs/hr PE = (A) x (B)
Lbs/hr PM_{10} = (A) x (B)
Tons of PE/year = (A) x (C) x 1 ton/2,000 lbs
Tons of PM_{10} emissions/year = (A) x (C) x 1 ton/2,000 lbs

where:

A = PE or PM_{10} emission factor, (lb/ton) for material handling, as calculated from AP-42 Section 13.2.4, (November, 2006); and PE or PM_{10} emission factor (lb/day/acre), as calculated from the USEPA BACM document Equation 2-12. See emission calculations detailed in PTI application 14-05916 for specific emission factors (load-in, load-out, turning, wind erosion, etc.);

B = total hourly throughput, in tons; and

C = total annual throughput, in tons, at 8760 hours per year.

[Authority for term: OAC 3745-31-05(F), 3745-31-05(A)(3), and 3745-77-07(C)(1)]

(2) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install #P0118389, issued on March 13, 2015: f)(1). The testing requirements contained in the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

g) Miscellaneous Requirements

(1) If the Director of Ohio EPA has issued a PTI modification for this emissions unit after the issuance date of this permit, the permittee shall comply with the requirements of OAC rule 3745-77-04(D) and OAC rule 3745-77-08(C) to incorporate PTI modifications into this permit. For a minor permit modification pursuant to OAC rule 3745-77-08(C)(1), compliance with the PTI terms and conditions and the proposed Title V terms and conditions submitted with the minor permit modification application will demonstrate compliance with the requirements of this Title V permit, unless the modifications are expressly prohibited by the terms of this permit. If the PTI modifications are prohibited by the terms and conditions of this permit, a Title V permit modification must be obtained before the operation of any new or modified emissions unit.

10. F015, Composting Operation Roadways

Operations, Property and/or Equipment Description:

composting operation roadways

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(F) [PTI P0110093, issued 6/4/2012]	See b)(2)b. through b)(2)e., and b)(2)g.
b.	OAC rule 3745-31-05(A)(3), as effective 11/30/01 [PTI P0110093, issued 6/4/2012]	PE shall not exceed 4.81 TPY. PM_{10} shall not exceed 1.27 TPY. See b)(2)f.
c.	OAC rule 3745-31-05(A)(3)(a)(ii), as effective 12/01/06	See b)(2)g.
d.	OAC rule 3745-17-07(B)(4) and (5)	Exempt. See b)(2)h.
e.	OAC rule 3745-17-08(B)	Exempt. See b)(2)i.

(2) Additional Terms and Conditions

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

<u>Paved Roadways</u>

all

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

<u>Unpaved roadways</u>

all

b. The permittee shall employ reasonably available control measures on all paved and unpaved roadways for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to treat the paved roadways with water flushing and sweeping, and the unpaved roadways with water or other dust suppressant chemicals at sufficient treatment frequencies to ensure compliance. When necessary to prevent the carry out of earth or other materials onto public roadways, all trucks exiting the unpaved landfill roadways shall travel through the wheel wash located before the scale area. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

c. 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 a paved or an unpaved roadway 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.

d. 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.

e. 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.

f. The permittee has satisfied the Best Available Technology (BAT) requirements pursuant to Ohio Administrative Code (OAC) paragraph 3745-31-05(A)(3), as effective November 30, 2001, in this permit. On December 1, 2006, paragraph (A)(3) of OAC rule 3745-31-05 was revised to conform to the Ohio Revised Code (ORC) changes effective August 3, 2006 (Senate Bill 265 changes), such that BAT is no longer required by State regulations for National Ambient Air Quality Standards (NAAQS) pollutant(s) less than ten tons per year. However, that rule revision has not yet been approved by U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revisions to OAC rule 3745-31-05, the requirement to satisfy BAT still exists as part of the federally-approved SIP for Ohio. Once U.S. EPA approves the December 1, 2006 version of OAC rule 3745-31-05, then these emission limitations/control measures no longer apply.

g. Permit to Install #P0110093 for this air contaminant source takes into account the following voluntary restrictions (including the use of air pollution control equipment) as proposed by the permittee for the purpose of avoiding Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3):

i. The use of watering or dust suppressant chemicals on the unpaved roadways; and

ii. The use of water flushing and sweeping on the paved roadways.

h. This emissions unit is exempt from the visible particulate emission limitations for fugitive dust, specified in OAC rule 3745-17-07(B), pursuant to OAC rule 3745-17-07(B)(11)(e), because the emissions unit is not located within areas identified in "Appendix A" of OAC rule 3745-17-08.

i. This emissions unit is not located within areas identified in "Appendix A" of OAC rule 3745-17-08, therefore, the requirements of OAC rule 3745-17-08(B), which requires the installation of reasonably available control measures to prevent fugitive dust, do not apply to this emissions unit pursuant to OAC rule 3745-17-08(A)(1).

c) Operational Restrictions

(1) None.

d) Monitoring and/or Recordkeeping Requirements

(1) Except as otherwise provided in this section, the permittee shall perform inspections of the paved and unpaved roadways in accordance with the following frequencies:

Paved Roadways	Minimum Inspection Frequency
All	once daily when in use

Unpaved Roadways	Minimum Inspection Frequency
All	once daily when in use

[Authority for term: OAC 3745-31-05(F), 3745-31-05(A)(3), and 3745-77-07(C)(1)]

(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. No inspection shall be necessary for a roadway 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. 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.

[Authority for term: OAC 3745-31-05(F), 3745-31-05(A)(3), and 3745-77-07(C)(1)]

(3) The permittee may, upon receipt of written approval from the Southwest Ohio Air Quality Agency, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.

[Authority for term: OAC 3745-31-05(F), 3745-31-05(A)(3), and 3745-77-07(C)(1)]

(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)(4)d. shall be kept separately for (i) the paved roadways and (ii) the unpaved roadways, and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

[Authority for term: OAC 3745-31-05(F), 3745-31-05(A)(3), and 3745-77-07(C)(1)]

(5) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install #P0110093, issued June 4, 2012:d)(1) – d)(4). The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Permit to Install.

e) Reporting Requirements

(1) 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, 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.

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

[Authority for term: OAC 3745-31-05(F), 3745-31-05(A)(3), and 3745-77-07(C)(1)]

(2) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to

Install #P0110093, issued on June 4, 2012:e)(1). The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

f) Testing Requirements

(1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

a. Emission Limitations:

PE shall not exceed 4.81 TPY.

PM_{10} shall not exceed 1.27 TPY.

Applicable Compliance Method:

The mass emissions for applicability of OAC rule 3745-31-05(A)(3) were determined using the following equations:

Tons of PE/year = (A) x (B) x (1 - C) x 1 ton/2,000 lbs
Tons PM_{10}/year = (A) x (B) x (1 - C) x 1 ton/2,000 lbs

where:

A = PE or PM_{10} emission factor, lb/vehicle miles traveled (VMT), calculated from USEPA document AP-42, Sections 13.2.1 (January, 2011) and 13.2.2 (November, 2006).

B = annual vehicle miles traveled (VMT).

C = control efficiency of 94% and 95%, for paved and unpaved, respectively, from operational parameters outlined in PTI application 14-05916, submitted January 16, 2007.

[Authority for term: OAC 3745-31-05(F), 3745-31-05(A)(3), and 3745-77-07(C)(1)]

(2) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install #P0110093, issued on June 4, 2012: f)(1). The testing requirements contained in the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

g) Miscellaneous Requirements

(1) If the Director of Ohio EPA has issued a PTI modification for this emissions unit after the issuance date of this permit, the permittee shall comply with the requirements of OAC rule 3745-77-04(D) and OAC rule 3745-77-08(C) to incorporate PTI modifications into

this permit. For a minor permit modification pursuant to OAC rule 3745-77-08(C)(1), compliance with the PTI terms and conditions and the proposed Title V terms and conditions submitted with the minor permit modification application will demonstrate compliance with the requirements of this Title V permit, unless the modifications are expressly prohibited by the terms of this permit. If the PTI modifications are prohibited by the terms and conditions of this permit, a Title V permit modification must be obtained before the operation of any new or modified emissions unit.

11. F016, Unit #81733 (F016)

Operations, Property and/or Equipment Description:

400 tons/hr portable stone/soil crusher

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3) [PTI P0118389, issued 3/13/2015]	PE shall not exceed 14.80 pounds per hour* and 27.71 TPY. PM_{10} emissions shall not exceed 7.38 pounds per hour* and 13.82 TPY. *The hourly emission limitations outlined above are based upon the emissions unit's potential to emit. Therefore, no hourly record keeping or reporting is required to demonstrate compliance with these limits. See b)(2)a. and c)(1). The requirements of this rule also include compliance with the requirements of 40 CFR Part 60, Subpart OOO and OAC rule 3745-17-08(B).
b.	OAC rule 3745-17-07(B)(1) (applicable only if this portable emissions unit is located in an area identified in Appendix A of OAC rule 3745-17-08)	Visible emissions of fugitive dust shall not exceed twenty percent opacity as a three-minute average. See b)(2)b. and b)(2)c.
c.	OAC rule 3745-17-08(B) (applicable only if this portable emissions unit is located in an area	Reasonably available control measures that are sufficient tominimize or eliminate visible particulate emissions of fugitive dust.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
	identified in Appendix A of OAC rule 3745-17-08)	See b)(2)d.
d.	40 CFR Part 60, Subpart OOO (40 CFR 60.670-676) *Standards of Performance (NSPS) for Nonmetallic Mineral Processing Plants* [In accordance with 40 CFR 60.670 and 60.671, and when processing material that meets the definition of nonmetallic minerals, this emissions unit is a nonmetallic mineral processing plant subject to the Standards of Performance for Nonmetallic Mineral Processing Plants, constructed, modified or reconstructed after August 31, 1983, and before April 22, 2008.]	Comply with the applicable fugitive emission limitations for particulate matter specified in b)(2)e. pursuant to Table 3 of Subpart OOO. [40 CFR 60.672(b)] See b)(2)e. and b)(2)f.

(2) Additional Terms and Conditions

a. The permittee shall employ best available control measures for the purpose of ensuring compliance with the applicable requirements identified below for crushing, transfer points, screening, and conveying operations. In accordance with the application, the permittee has committed to the use of water sprays operating at the points specified, as necessary, to ensure compliance.

b. When the emissions unit is processing nonmetallic mineral material subject to 40 CFR Part 60, Subpart OOO, the emission limitation specified by OAC rule 3745-17-07(B)(1) is less stringent than the emission limitation established pursuant to 40 CFR Part 60, Subpart OOO, which applies in both Appendix A and non-Appendix A areas. The permittee shall comply with all applicable emission limitations (including any less stringent limitation) for this emissions unit.

c. Thisportable emissions unit is exempt from the visible emissions limitations for fugitive dust, specified in OAC rule 3745-17-07(B)(1), pursuant to OAC rule 3745-17-07(B)(11)(e), when the portable emissions unit is not located within areas identified in "Appendix A" of OAC rule 3745-17-08.

d. The use of reasonably available control measures specified by OAC rule 3745-17-08(B) are less stringent than the requirements established pursuant to OAC rule 3745-31-05(A)(3) and b)(2)a. above, which apply in both Appendix A and non-Appendix A areas. The permittee shall comply with all applicable requirements (including any less stringent requirements) for this emissions unit.

e. When the emissions unit is processing nonmetallic mineral material subject to 40 CFR Part 60, Subpart OOO, the permittee shall comply with the following requirements of 40 CFR Part 60, Subpart OOO, Table 3 for affected facilities (as defined in §§60.670 and 60.671) that commenced construction, modification, or reconstruction after August 31, 1983 but before April 22, 2008:

i. Fugitive emissions from grinding mills, screening operations, bucket elevators, transfer points on belt conveyors, bagging operations, storage bins, enclosed truck or railcar loading stations or from any other affected facility (as defined in 60.670 and 60.671) shall not exceed 10 percent opacity, except as provided by 60.672.

ii. Fugitive emissions from crushers, at which a capture system is not used, shall not exceed 15 percent opacity, except as provided in 60.672.

f. The application and enforcement of the provisions of the New Source Performance Standards (NSPS), as promulgated by the United States Environmental Protection Agency, 40 CFR Part 60, are delegated to the Ohio Environmental Protection Agency. The requirements of 40 CFR Part 60 are also federally enforceable.

c) Operational Restrictions

(1) The maximum annual material throughput rate for this emissions unit shall not exceed 1,497,600 tons per year.

[Authority for term: OAC3745-31-05(A)(3) and 3745-77-07(A)(1)]

d) Monitoring and/or Recordkeeping Requirements

(1) Except as otherwise provided in this section, the permittee shall perform inspections of the material handling operations in accordance with the following frequencies:

material handling operation	minimum inspection frequency
400 tons/hr portable crusher	once daily during operation

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

(2) The purpose of the inspections is to determine the need for implementing the control measures specified in this permit for the crusher and associated transfer points. The inspections shall be performed during representative, normal operating conditions. No inspection shall be necessary for this material handling operation if the material used in this operation 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.

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

(3) The permittee may, upon receipt of written approval from the Southwest Ohio Air Quality Agency, modify the above-mentioned inspection frequencies if operating experience

indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

(4) 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 required in 4.d. shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

(5) The permittee shall maintain annual records of the total amount of material throughput for this emissions unit for the calendar year, in tons.

[Authority for term: OAC 3745-77-07(C)(1)]

(6) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install #P0118389, issued on March 13, 2015: d)(1) through d)(5). The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Permit to Install.

e) Reporting Requirements

(1) 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, 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.

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

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

(2) The permittee shall submit annual reports that specify the total amount of material throughput for this emissions unit for the previous calendar year. The reports shall be submitted by April 15 of each year. This reporting requirement may be satisfied by including the annual throughput for this emissions unit in the annual Fee Emissions Report.

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

(3) The permittee shall comply with the applicable reporting requirements required under 40 CFR Part 60, Subpart OOO, including the following sections:

60.676(a)	Replacement notification
60.676(f)	Performance test reports
60.676(h) – (k) and Table 1	Notifications and reporting requirements

[Authority for term: OAC 3745-77-07(C)(1) and 40 CFR Part 60, Subpart OOO]

(4) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install #P0118389, issued on March 13, 2015: e)(1) through e)(3). The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

f) Testing Requirements

(1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

a. Emission Limitations:

PE shall not exceed 14.80 lbs/hr; PM_{10} emissions shall not exceed 7.38 lbs/hr.

Applicable Compliance Method:

Hourly emissions of PE and PM_{10} shall be determined using the following equations:

lbs/hr of PE = (A) x (B)
lbs/hr of PM_{10} = (A) x (B)

where:

A = PE or PM_{10} emission factor, in lb/ton, as calculated from U.S. EPA's AP-42 Section 11.3 (August, 1997) for soil processing, 11.19.2 (August, 2004) for stone processing and stone material handling,13.2.4, (November, 2006) for soil

material handling, and the permittee-supplied data contained in PTI application #14-06010, submitted December 19, 2007.

B = maximum hourly throughput, in tons.

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

b. Emission Limitations:

PE shall not exceed 27.71 TPY; PM_{10} emissions shall not exceed 13.82 TPY.

Applicable Compliance Method:

Annual emissions of PE and PM_{10} shall be determined using the following equations:

TPY of PE = (A) x (B) x 1 ton/2,000 lbs
TPY of PM_{10} = (A) x (B) x 1 ton/2,000 lbs

where:

A = PE or PM_{10} emissions factor, in lb/ton, as calculated from U.S. EPA's AP-42 Section 11.3 (August, 1997) for soil processing, 11.19.2 (August, 2004) for stone processing and stone material handling,13.2.4, (November, 2006) for soil material handling, and the permittee-supplied data contained in PTI application number 14-06010, submitted December 19, 2007.

B = annual material throughput, in tons per year.

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

c. Emission Limitation:

Visible emissions of fugitive dust shall not exceed twenty percent opacity as a three-minute average [OAC rule 3745-17-08 Appendix A areas only].

Applicable Compliance Method:

Compliance with the limitation for visible emissions of fugitive dust shall be determined through visible emissions observations performed in accordance with U.S. EPA Method 9 and the procedures specified in OAC rule 3745-17-03(B)(3).

No visible emissions observations are specifically required to demonstrate compliance with this emission limitation but, if appropriate, may be required pursuant to OAC rule 3745-15-04(A).

[Authority for term: OAC 3745-17-07(B) and 3745-77-07(C)(1)]

d. Emission Limitations:

Fugitive emissions from grinding mills, screening operations, bucket elevators, transfer points on belt conveyors, bagging operations, storage bins, enclosed

truck or railcar loading stations or from any other affected facility (as defined in 60.670 and 60.671) shall not exceed 10 percent opacity, except as provided by 60.672.

Fugitive emissions from crushers, at which a capture system is not used, shall not exceed 15 percent opacity, except as provided in 60.672.

Applicable Compliance Method:

Performance testing shall be conducted in accordance with Table 3 of 40 CFR Part 60, Subpart OOO, and the procedures specified in 60.675(a), 60.675(c), and 60.675(e).

[Authority for term: 40 CFR Part 60, Subpart OOO, OAC 3745-31-05(A)(3), and 3745-77-07(C)(1)]

(2) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install #P0118389, issued on March 13, 2015: f)(1)a.through f)(1)d. The testing requirements contained in the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

g) Miscellaneous Requirements

(1) At the discretion and following the approval of the Director (the appropriate Ohio EPA District Office or local air agency), the permittee may relocate the portable source within the State of Ohio without first obtaining a permit-to-install and operate (PTIO) or a permit-to-install (PTI), providing the appropriate notification and exemption requirements have been met for portable emissions units as specified in OAC rule 3745-31-03(A)(1) or OAC rule 3745-31-05(H), and any subsequent revisions of these OAC rules, as applicable.

(2) If the Director of Ohio EPA has issued a PTI modification for this emissions unit after the issuance date of this permit, the permittee shall comply with the requirements of OAC rule 3745-77-04(D) and OAC rule 3745-77-08(C) to incorporate PTI modifications into this permit. For a minor permit modification pursuant to OAC rule 3745-77-08(C)(1), compliance with the PTI terms and conditions and the proposed Title V terms and conditions submitted with the minor permit modification application will demonstrate compliance with the requirements of this Title V permit, unless the modifications are expressly prohibited by the terms of this permit. If the PTI modifications are prohibited by the terms and conditions of this permit, a Title V permit modification must be obtained before the operation of any new or modified emissions unit.

12. F017, Unit #81734 (F017)

Operations, Property and/or Equipment Description:

400 tons/hr portable stone/soil shredder screener

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3) [PTI P0118389, issued 3/13/2015]	PE shall not exceed 6.71 pounds per hour* and 12.56 TPY. PM_{10} emissions shall not exceed 0.89 pound per hour* and 1.66 TPY. *The hourly emission limitations outlined above are based upon the emissions unit's potential to emit. Therefore, no hourly record keeping or reporting is required to demonstrate compliance with these limits. See b)(2)a., b)(2)g., and c)(1). The requirements of this rule also include compliance with the requirements of 40 CFR Part 60, Subpart OOO and OAC rule 3745-17-08(B).
b.	OAC rule 3745-31-05(A)(3)(a)(ii), as effective 12/01/06	See b)(2)h.
c.	OAC rule 3745-17-07(B)(1) (applicable only if this portable emissions unit is located in an area identified in Appendix A of OAC rule 3745-17-08)	Visible emissions of fugitive dust shall not exceed twenty percent opacity as a three-minute average. See b)(2)b. and b)(2)c.
d.	OAC rule 3745-17-08(B)	Reasonably available control measures that are sufficient tominimize or eliminate

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
	(applicable only if this portable emissions unit is located in an area identified in Appendix A of OAC rule 3745-17-08)	visible particulate emissions of fugitive dust. See b)(2)d.
e.	40 CFR Part 60, Subpart OOO (40 CFR 60.670-676) *Standards of Performance (NSPS) for Nonmetallic Mineral Processing Plants* [In accordance with 40 CFR 60.670 and 60.671, and when processing material that meets the definition of nonmetallic minerals, this emissions unit is a nonmetallic mineral processing plant subject to the Standards of Performance for Nonmetallic Mineral Processing Plants, constructed, modified or reconstructed after August 31, 1983, and before April 22, 2008.]	Comply with the applicable fugitive emission limitations for particulate matter specified in b)(2)e. pursuant to Table 3 of Subpart OOO. [40 CFR 60.672(b)] See b)(2)e. and b)(2)f.

(2) Additional Terms and Conditions

a. The permittee shall employ best available control measures for the purpose of ensuring compliance with the applicable requirements identified below for shredding, screening, transfer points, and conveying operations. In accordance with the application, the permittee has committed to the use of water sprays operating at the points specified, as necessary, to ensure compliance.

b. When the emissions unit is processing nonmetallic mineral material subject to 40 CFR Part 60, Subpart OOO, the emission limitation specified by OAC rule 3745-17-07(B)(1) is less stringent than the emission limitation established pursuant to 40 CFR Part 60, Subpart OOO, which applies in both Appendix A and non-Appendix A areas. The permittee shall comply with all applicable emission limitations (including any less stringent limitation) for this emissions unit.

c. Thisportable emissions unit is exempt from the visible emissions limitations for fugitive dust, specified in OAC rule 3745-17-07(B)(1), pursuant to OAC rule 3745-17-07(B)(11)(e), when the portable emissions unit is not located within areas identified in "Appendix A" of OAC rule 3745-17-08.

d. The use of reasonably available control measures specified by OAC rule 3745-17-08(B) are less stringent than the requirements established pursuant to OAC rule 3745-31-05(A)(3) and b)(2)a. above, which apply in both Appendix A and

non-Appendix A areas. The permittee shall comply with all applicable requirements (including any less stringent requirements) for this emissions unit.

e. When the emissions unit is processing nonmetallic mineral material subject to 40 CFR Part 60, Subpart OOO, the permittee shall comply with the following requirements of 40 CFR Part 60, Subpart OOO, Table 3 for affected facilities (as defined in §§60.670 and 60.671) that commenced construction, modification, or reconstruction after August 31, 1983 but before April 22, 2008:

i. Fugitive emissions from grinding mills, screening operations, bucket elevators, transfer points on belt conveyors, bagging operations, storage bins, enclosed truck or railcar loading stations or from any other affected facility (as defined in 60.670 and 60.671) shall not exceed 10 percent opacity, except as provided by 60.672.

ii. Fugitive emissions from crushers, at which a capture system is not used, shall not exceed 15 percent opacity, except as provided in 60.672.

f. The application and enforcement of the provisions of the New Source Performance Standards (NSPS), as promulgated by the United States Environmental Protection Agency, 40 CFR Part 60, are delegated to the Ohio Environmental Protection Agency. The requirements of 40 CFR Part 60 are also federally enforceable.

g. The permittee has satisfied the Best Available Technology (BAT) requirements pursuant to Ohio Administrative Code (OAC) paragraph 3745-31-05(A)(3), as effective November 30, 2001, in this permit. On December 1, 2006, paragraph (A)(3) of OAC rule 3745-31-05 was revised to conform to the Ohio Revised Code (ORC) changes effective August 3, 2006 (Senate Bill 265 changes), such that BAT is no longer required by State regulations for National Ambient Air Quality Standards (NAAQS) pollutant(s) less than ten tons per year. However, that rule revision has not yet been approved by U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revisions to OAC rule 3745-31-05, the requirement to satisfy BAT still exists as part of the federally-approved SIP for Ohio. Once U.S. EPA approves the December 1, 2006 version of OAC rule 3745-31-05, then the PM_{10} emission limitations/control measures no longer apply.

h. The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to the PM_{10} emissions from this air contaminant source since the uncontrolled potential to emit for PM_{10} emissions is less than ten tons per year.

This rule paragraph applies once U.S. EPA approves the December 1, 2006 version of OAC rule 3745-31-05 as part of the State Implementation Plan.

c) Operational Restrictions

(1) The maximum annual material throughput rate for this emissions unit shall not exceed 1,497,600 tons per year.

[Authority for term: OAC3745-31-05(A)(3) and 3745-77-07(A)(1)]

d) Monitoring and/or Recordkeeping Requirements

(1) Except as otherwise provided in this section, the permittee shall perform inspections of the material handling operations in accordance with the following frequencies:

material handling operation	minimum inspection frequency
400 tons/hr portable shredder/screener	once daily during operation

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

(2) The purpose of the inspections is to determine the need for implementing the control measures specified in this permit for the shredder/screener and associated transfer points. The inspections shall be performed during representative, normal operating conditions. No inspection shall be necessary for this material handling operation if the material used in this operation 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.

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

(3) The permittee may, upon receipt of written approval from the Southwest Ohio Air Quality Agency, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

(4) 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 required in 4.d. shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

(5) The permittee shall maintain annual records of the total amount of material throughput in this emissions unit for the calendar year, in tons.

[Authority for term: OAC 3745-77-07(C)(1)]

(6) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install #P0118389, issued on March 13, 2015: d)(1) through d)(5). The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Permit to Install.

e) Reporting Requirements

(1) 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, 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.

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

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

(2) The permittee shall submit annual reports that specify the total amount of material throughput for this emissions unit for the previous calendar year. The reports shall be submitted by April 15 of each year. This reporting requirement may be satisfied by including the annual throughput for this emissions unit in the annual Fee Emissions Report.

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

(3) The permittee shall comply with the applicable reporting requirements required under 40 CFR Part 60, Subpart OOO, including the following sections:

60.676(a)	Replacement notification
60.676(f)	Performance test reports
60.676(h) – (k) and Table 1	Notifications and reporting requirements

[Authority for term: OAC 3745-77-07(C)(1) and 40 CFR Part 60, Subpart OOO]

(4) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install #P0118389, issued on March 13, 2015: e)(1) through e)(3). The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these

requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

f) Testing Requirements

(1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

a. Emission Limitations:

PE shall not exceed 6.71lbs/hr; PM_{10} emissions shall not exceed 0.89 lb/hr.

Applicable Compliance Method:

Hourly emissions of PE and PM_{10} shall be determined using the following equations:

lbs/hr of PE = (A) x (B)
lbs/hr of PM_{10} = (A) x (B)

where:

A = PE or PM_{10} emission factor, in lb/ton, as calculated from U.S. EPA's AP-42 Section 11.3 (August, 1997) for soil processing, 11.19.2 (August, 2004) for stone processing and stone material handling,13.2.4, (November, 2006) for soil material handling, and the permittee-supplied data contained in PTI application #14-06010, submitted December 19, 2007.

B = maximum hourly throughput, in tons.

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

b. Emission Limitations:

PE shall not exceed 12.56 TPY; PM_{10} emissions shall not exceed 1.66 TPY.

Applicable Compliance Method:

Annual emissions of PE and PM_{10} shall be determined using the following equations:

TPY of PE = (A) x (B) x 1 ton/2,000 lbs
TPY of PM_{10} = (A) x (B) x 1 ton/2,000 lbs

where:

A = PE or PM_{10} emissions factor, in lb/ton, as calculated from U.S. EPA's AP-42 Section 11.3 (August, 1997) for soil processing, 11.19.2 (August, 2004) for stone processing and stone material handling,13.2.4, (November, 2006) for soil material handling, and the permittee-supplied data contained in PTI application number 14-06010, submitted December 19, 2007.

B = annual material throughput, in tons per year.

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

c. Emission Limitation:

Visible emissions of fugitive dust shall not exceed twenty percent opacity as a three-minute average [OAC rule 3745-17-08 Appendix A areas only].

Applicable Compliance Method:

Compliance with the limitation for visible emissions of fugitive dust shall be determined through visible emissions observations performed in accordance with U.S. EPA Method 9 and the procedures specified in OAC rule 3745-17-03(B)(3).

No visible emissions observations are specifically required to demonstrate compliance with this emission limitation but, if appropriate, may be required pursuant to OAC rule 3745-15-04(A).

[Authority for term: OAC 3745-17-07(B) and 3745-77-07(C)(1)]

d. Emission Limitations:

Fugitive emissions from grinding mills, screening operations, bucket elevators, transfer points on belt conveyors, bagging operations, storage bins, enclosed truck or railcar loading stations or from any other affected facility (as defined in 60.670 and 60.671) shall not exceed 10 percent opacity, except as provided by 60.672.

Fugitive emissions from crushers, at which a capture system is not used, shall not exceed 15 percent opacity, except as provided in 60.672.

Applicable Compliance Method:

Performance testing shall be conducted in accordance with Table 3 of 40 CFR Part 60, Subpart OOO, and the procedures specified in 60.675(a), 60.675(c), and 60.675(e).

[Authority for term: 40 CFR Part 60, Subpart OOO, OAC 3745-31-05(A)(3), and 3745-77-07(C)(1)]

(2) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install #P0118389, issued on March 13, 2015: f)(1)a.through f)(1)d. The testing requirements contained in the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

g) Miscellaneous Requirements

(1) At the discretion and following the approval of the Director (the appropriate Ohio EPA District Office or local air agency), the permittee may relocate the portable source within the State of Ohio without first obtaining a permit-to-install and operate (PTIO) or a permit-to-install (PTI), providing the appropriate notification and exemption requirements have been met for portable emissions units as specified in OAC rule 3745-31-03(A)(1) or OAC rule 3745-31-05(H), and any subsequent revisions of these OAC rules, as applicable.

(2) If the Director of Ohio EPA has issued a PTI modification for this emissions unit after the issuance date of this permit, the permittee shall comply with the requirements of OAC rule 3745-77-04(D) and OAC rule 3745-77-08(C) to incorporate PTI modifications into this permit. For a minor permit modification pursuant to OAC rule 3745-77-08(C)(1), compliance with the PTI terms and conditions and the proposed Title V terms and conditions submitted with the minor permit modification application will demonstrate compliance with the requirements of this Title V permit, unless the modifications are expressly prohibited by the terms of this permit. If the PTI modifications are prohibited by the terms and conditions of this permit, a Title V permit modification must be obtained before the operation of any new or modified emissions unit.

13. F018, Material Storage Piles for 400 TPH Portable Crushing Operations

Operations, Property and/or Equipment Description:

crushed soil/clay and crushed rock material storage piles

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3) [PTI P0118389, issued 3/13/2015]	PE shall not exceed 37.5 TPY. PM_{10} emissions shall not exceed 18.74 TPY. There shall be no visible particulate emissions from any material storage pile except for a total of 1 minute during any 60-minute observation period. Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust. See b)(2)a. through b)(2)d. See c)(1).
b.	OAC rule 3745-17-07(B)(6) (applicable only if this emissions unit is located in an area identified in Appendix A of OAC rule 3745-17-08)	The fugitive visible particulate emission limitation for material storage piles specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3) which applies in both Appendix A and non-Appendix A areas.
c.	OAC rule 3745-17-08(B) (applicable only if this portable emissions unit is located in an area identified in Appendix A of OAC rule 3745-17-08)	The reasonably available control measures requirement for material storage piles specified by this rule are less stringent than the control requirement established pursuant to OAC rule 3745-31-05(A)(3) which applies in

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		both Appendix A and non-Appendix A areas.

(2) Additional Terms and Conditions

a. The permittee shall employ best available control measures on all load-in and load-out operations associated with the storage piles for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's application, the permittee has committed to watering/sprinkling systems at sufficient treatment frequencies to ensure compliance. The operator shall avoid dragging any front-end loader bucket along the ground. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

b. The above-mentioned control measure(s) 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 measure(s) are necessary to ensure compliance with the above-mentioned applicable requirements. Any required implementation of the control measure(s) shall continue during any such operation until further observation confirms that use of the measure(s) is unnecessary.

c. The permittee shall employ best available control measures for wind erosion from the surfaces of all storage piles for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the application, the permittee has committed to perform one or more of the following: chemical stabilization, watering/sprinkling systems/hoses, or covering the storage piles to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

d. The above-mentioned control measure(s) 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 measure(s) are necessary to ensure compliance with the above-mentioned applicable requirements. Implementation of the control measure(s) shall not be necessary for a storage pile 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.

c) Operational Restrictions

(1) The maximum annual soil/clay and rock storage pile material throughput for this emissions unit shall not exceed 1,497,600 tons per year.

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(A)(1)]

d) Monitoring and/or Recordkeeping 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:

storage pile identification	minimum load-in inspection frequency
all	once daily during operation

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

(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:

storage pile identification	minimum load-out inspection frequency
all	once daily during operation

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

(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:

storage pile identification	minimum wind erosion inspection frequency
all	once daily during operation

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

(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.

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

(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.

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

(6) The permittee may, upon receipt of written approval from the Southwest Ohio Air Quality Agency, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

(7) 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, for wind erosion from pile surfaces, the total number of days where snow and/or ice cover or precipitation were sufficient to not require the control measure(s).

The information required in d)(7)d. shall be kept separately for (i) the load-in operations, (ii) the load-out operations, and (iii) the pile surfaces (wind erosion), and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

(8) The permittee shall maintain annual records of the total amount of material throughput for this emissions unit for the calendar year, in tons.

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

(9) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install #P0118389, issued on March 13, 2015: d)(1) through d)(8). The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Permit to Install.

e) Reporting Requirements

(1) The permittee shall submit annual reports that specify the total amount of material throughput for this emissions unit for the previous calendar year. The reports shall be submitted by April 15 of each year. This reporting requirement may be satisfied by including the annual throughput for this emissions unit in the annual Fee Emission Report.

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

(2) 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, 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.

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

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

(3) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install #P0118389, issued on March 13, 2015: e)(1) through e)(2). The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

f) Testing Requirements

(1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

a. Emission Limitations:

PE shall not exceed 37.5 TPY.

PM_{10} emissions shall not exceed 18.74 TPY.

Applicable Compliance Method:

Annual emissions of PE and PM_{10} shall be determined using the following equations:

TPY of PE = (A) x (B) x 1 ton/2,000 lbs

TPY of PM_{10} = (A) x (B) x 1 ton/2,000 lbs

Where:

A = PE or PM_{10} emission factor, (lb/ton) for material handling, as calculated from AP-42 Section 13.2.4, (November, 2006); and PE or PM_{10} emission factor (lb/day/acre) for storage piles, as calculated from the USEPA BACM document Equation 2-12 and the permittee-supplied data contained in PTI application 14-06010, submitted 12/19/2007;

B = total annual material throughput, in tons per year.

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

b. Emission Limitation:

There shall be no visible particulate emissions from any material storage pile except for a total of 1 minute during any 60-minute observation period.

Applicable Compliance Method:

Compliance with the visible particulate emission limitation for the storage piles identified above shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources").

No visible emissions observations are specifically required to demonstrate compliance with this emission limitation but, if appropriate, may be required pursuant to OAC rule 3745-15-04(A).

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

(2) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install #P0118389, issued on March 13, 2015: f)(1)a.and f)(1)b. The testing requirements contained in the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

g) Miscellaneous Requirements

(1) If the Director of Ohio EPA has issued a PTI modification for this emissions unit after the issuance date of this permit, the permittee shall comply with the requirements of OAC rule 3745-77-04(D) and OAC rule 3745-77-08(C) to incorporate PTI modifications into this permit. For a minor permit modification pursuant to OAC rule 3745-77-08(C)(1), compliance with the PTI terms and conditions and the proposed Title V terms and conditions submitted with the minor permit modification application will demonstrate compliance with the requirements of this Title V permit, unless the modifications are expressly prohibited by the terms of this permit. If the PTI modifications are prohibited by the terms and conditions of this permit, a Title V permit modification must be obtained before the operation of any new or modified emissions unit.

14. K001, Paint Shop Container/Truck Booth

Operations, Property and/or Equipment Description:

paint shop container/truck booth, equipped with dry filtration system

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3) [PTI 14-05416, issued 5/6/2003]	VOC emissions shall not exceed 70.0 pounds per day and 12.6 TPY, from coatings. Acetone emissions shall not exceed 33.0 pounds per day and 4.62 TPY, from cleanup materials. PM_{10} emissions shall not exceed 0.551 pound per hour. All PE is assumed to be PM_{10}. PE and PM_{10} emissions shall not exceed 2.41 TPY. See c)(1), c)(2), and c)(3). The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A)(1) and OAC rule 3745-21-09(U)(1)(c).
b.	OAC rule 3745-17-07(A)(1)	Visible particulate emissions from the stacksserving this emissions unit shall not exceed 20 percent opacity as a six-minute average, except as provided by rule.
c.	OAC rule 3745-17-11(C)	Exempt per 3745-17-11(C)(3).
d.	OAC rule 3745-21-09(U)(1)(c)	Coatings employed in this emissions unit shall not exceed 3.5 pounds of

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		VOC/gallon of coating, excluding water and exempt solvents, as applied.
e.	40 CFR Part 63, Subpart MMMM [40 CFR 63.3880-3981] *National Emission Standards for Hazardous Air Pollutants for Surface Coating of Miscellaneous Metal Parts and Products* [In accordance with 40 CFR 63.3881 and 63.3882, this emissions unit is an existing surface coating operation of miscellaneous metal parts and products in the general use coating subcategory subject to the emission limitations and requirements specified in this section.]	The organic HAP emissions shall not exceed 0.31 kilogram organic HAP/liter (2.6 pounds organic HAP/gallon) coating solids used during each 12-month compliance period. [40 CFR 63.3890(b)(1)] See b)(2)a., b)(2)b., and c)(4).
f.	40 CFR 63.1-15 [40 CFR 63.3901]	Table 2 to Subpart MMMM of Part 63 – Applicability of General Provisions to Subpart MMMM shows which parts of the General Provisions in 40 CFR 63.1-15 apply.

(2) Additional Terms and Conditions

a. Pursuant to 40 CFR 63.3882(b), the affected source subject to the requirements of 40 CFR Part 63, Subpart MMMM, is the collection of all of the following operations used for the surface coating of miscellaneous metal parts and products in this emissions unit:

i. all coating operations as defined in 40 CFR 63.3981;

ii. all storage containers and mixing vessels in which coatings, thinners and/or other additives, and cleaning materials are stored or mixed;

iii. all manual and automated equipment and containers used for conveying coatings, thinners, other additives, purge, and cleaning materials; and

iv. all storage containers and all manual and automated equipment and containers used for conveying waste materials generated by the coating operations.

b. Pursuant to the compliant material option in 40 CFR 63.3891(a), the permittee shall:

i. Demonstrate that the organic HAP content of each coating used in the coating operation(s) is less than or equal to the organic HAP emission rate in b)(1)e. above;

ii. Demonstrate that each thinner and/or other additive, and cleaning materials used in the coating operation(s) contains no organic HAP; and

iii. Meet the requirements of 40 CFR 63.3940, 63.3941, and 63.3942 to demonstrate compliance with the compliant material option.

Nothing in this term shall prevent the permittee from utilizing an alternative compliance option under 40 CFR 63.3891, provided that the permittee complies with the requirements and reporting specified in 40 CFR 63.3891, 63,.3930(c), and 63.3920.

c) Operational Restrictions

(1) The maximum coating usage for this emissions unit shall not exceed 20 gallons per day and 7,200 gallons per year, excluding water and exempt solvents.

[Authority for term: OAC3745-31-05(A)(3) and 3745-77-07(A)(1)]

(2) The maximum cleanup material (acetone) usage for this emissions unit shall not exceed 5 gallons per day and 1,400 gallons per year.

[Authority for term: OAC3745-31-05(A)(3) and 3745-77-07(A)(1)]

(3) The permittee shall operate the dry filtration system whenever this emissions unit is in operation.

[Authority for term: OAC3745-31-05(A)(3) and 3745-77-07(A)(1)]

(4) The permittee shall comply with the applicable operational restrictions required under 40 CFR Part 63, Subpart MMMM, including the following sections:

63.3900(a)(1)	General compliance requirements
63.3900(b)	Operation and maintenance.

[Authority for term: OAC rule 3745-77-07(A)(1) and 40 CFR Part 63, Subpart MMMM]

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall collect and record the following information for each day for this emissions unit:

a. the company identification for each coating material employed;

b. the number of gallons of each coating employed, excluding water and exempt solvents;

c. the VOC content of each coating, in pounds of VOC per gallon of coating, excluding water and exempt solvents, as applied;

d. the total VOC emissions [the summation of b. x c. for all coatings], in pounds;

e. the total coating usage for all the coatings employed [the summation of b. for all coatings], in gallons, excluding water and exempt solvents;

f. the name and identification of each cleanup material employed;

g. the number of gallons of each cleanup material employed;

h. the density of each cleanup material, in pounds per gallons; and

i. the total emissions from all cleanup materials [the summation of g. x h. for all cleanup materials], in pounds.

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

(2) The permittee shall maintain annual records of the following information for this emissions unit:

a. the total gallons of all coatings employed;

b. the total gallons of all cleanup material employed;

c. the total VOC emissions from all coatings employed, in tons; and

d. the total emissions from all cleanup materials employed, in tons.

[Authority for term: OAC 3745-77-07(C)(1)]

(3) The permittee shall maintain daily records that document any time periods when the dry filtration system was not in service when the emissions unit was in operation.

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

(4) The permittee shall comply with the applicable monitoring and recordkeeping requirements required under 40 CFR Part 63, Subpart MMMM, including the following sections:

63.3942(a)-(d)	Continuous compliance demonstration requirements for emission limits – compliant material option
63.3930(a)-(f), (j)	Required overall records to be maintained
63.3931(a)-(c)	Format and retention of records

[Authority for term: OAC rule 3745-77-07(C)(1) and 40 CFR Part 63, Subpart MMMM]

(5) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install #14-05416, issued on May 6, 2003: d)(1) through d)(4). The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Permit to Install.

e) Reporting Requirements

(1) The permittee shall submit quarterly deviation (excursion) reports that identify the following:

a. all exceedances of the daily coating usage restriction of 20 gallons, excluding water and exempt solvents;

b. all exceedances of the daily cleanup material (acetone) usage restriction of 5 gallons;

c. all exceedances of the daily coating VOC emission limitation of 70.0 pounds; and

d. all exceedances of the daily cleanup material (acetone) emission limitation of 33.0 pounds.

The quarterly deviation (excursion) reports shall be submitted in accordance with the reporting requirements of the Standard Terms and Conditions of this permit.

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

(2) The permittee shall notify the Southwest Ohio Air Quality Agency of any daily record showing the use of a coating with greater than 3.5 pounds VOC per gallon, excluding water and exempt solvents. The notification shall include a copy of such record and shall be sent to the Southwest Ohio Air Quality Agency within 30 days following the end of the calendar month during which the non-compliant coating was applied.

[Authority for term: OAC 3745-31-05(A)(3), 3745-21-09(U)(1)(c), and 3745-77-07(C)(1)]

(3) The permittee shall notify the Southwest Ohio Air Quality Agency of any daily record showing that the dry filtration system was not in service when the emissions unit was in operation. The notification shall include a copy of such record and shall be sent to the Southwest Ohio Air Quality Agency within 30 days after the event occurs.

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

(4) The permittee shall submit annual reports to the Southwest Ohio Air Quality Agency that specify the total coating and cleanup material usage, in gallons, for the calendar year. The reports shall be submitted by April 15 of each year. This reporting requirement may be satisfied by including the annual total coating and cleanup material usage for this emissions unit in the annual Fee Emission Report.

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

(5) The permittee shall comply with the applicable reporting requirements required under 40 CFR Part 63, Subpart MMMM, including the following sections:

63.3910(a)	Overall notification reporting requirements
63.3910(b)	Initial notification requirements
63.3910(c)	Notification of compliance status
63.3920(a)(1)-(5), 63.3942(b), 63.3942(c)	Semiannual compliance report requirements

[Authority for term: OAC rule 3745-77-07(C)(1) and 40 CFR Part 63, Subpart MMMM]

(6) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install #14-05416, issued on May 6, 2003: e)(1) through e)(5). The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

f) Testing Requirements

(1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

a. Emission Limitations:

VOC emissions shall not exceed 70.0 pounds per day and 12.6 TPY, from coatings.

Applicable Compliance Method:

The emission limitations above are based upon the coating VOC content limitation of 3.5 pounds VOC/gallon and the operational restrictions specified in c)(1). Compliance shall be demonstrated by the record keeping specified in d)(1) and d)(2).

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

b. Emission Limitations:

Acetone emissions shall not exceed 33.0 pounds per day and 4.62 TPY, from cleanup materials.

Applicable Compliance Method:

The emission limitations above are based upon the operational restrictions specified in c)(2) and the density of acetone at 6.6 pounds/gallon. Compliance shall be demonstrated by the record keeping specified in d)(1) and d)(2).

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

c. Emission Limitations:

PM_{10} emissions shall not exceed 0.551 pound per hour. All PE is assumed to be PM_{10}.

PE and PM_{10} emissions shall not exceed 2.41 TPY.

Applicable Compliance Method:

The hourly emission limitation established under OAC rule 3745-31-05(A)(3) is based upon OAC rule 3745-17-11(B), Table 1, for a process weight rate less than 100 lbs/hour and assumes that all PE is PM_{10}. The annual emission limitation is based upon 8,760 hours of operation per year.

To determine the actual worst case hourly emission rate for PE/PM_{10} emissions, the following methodology may be used:

PE/PM_{10} emissions = maximum coating solids usage rate (40 lbs/hour) x (1 - TE) x (1 - CE)

where:

TE = transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids use (i.e., 95%); and

CE = control efficiency of the control equipment (i.e., 99%).

If required, the permittee shall demonstrate compliance with the emission limitations through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1-5.

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

d. Emission Limitation:

Visible particulate emissions from the stacksserving this emissions unit shall not exceed 20 percent opacity as a six-minute average, except as provided by rule.

Applicable Compliance Method:

Compliance with the stack visible particulate emissions limitation shall be determined through visible emissions observations performed in accordance with U.S. EPA Method 9.

No visible emissions observations are specifically required to demonstrate compliance with this emission limitation but, if appropriate, may be required pursuant to OAC rule 3745-15-04(A).

[Authority for term: OAC 3745-17-07(A)(1) and 3745-77-07(C)(1)]

e. Emission Limitation:

Coatings employed in this emissions unit shall not exceed 3.5 pounds of VOC/gallon of coating, excluding water and exempt solvents, as applied.

Applicable Compliance Method:

Compliance shall be based upon the record keeping specified in d)(1).

USEPA Method 24 shall be used to determine the VOC content for coatings. If, pursuant to Method 24 as outlined in 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 cannot be used for a particular coating, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24.

[Authority for term: OAC 3745-31-05(A)(3), 3745-21-09(U)(1)(c), and 3745-77-07(C)(1)]

f. Emission Limitation:

The organic HAP emissions shall not exceed 0.31 kilogram organic HAP/liter (2.6 pounds organic HAP/gallon) coating solids used during each 12-month compliance period. [40 CFR 63.3890(b)(1)]

Applicable Compliance Method:

The actual organic HAP emission rate shall be determined in accordance with 40 CFR Part 63, Subpart MMMM, continuous compliance demonstration requirements specified in d)(4) and the initial compliance demonstration requirements in f)(2) below.

[Authority for Term: OAC rule 3745-77-07(C)(1) and 40 CFR Part 63, Subpart MMMM]

(2) The permittee shall comply with the applicable initial compliance requirements required under 40 CFR Part 63, Subpart MMMM, including the following sections:

63.3940	Initial compliance demonstration date
63.3941	Initial compliance demonstration with emission limitations
63.3941(a)-(e)	Compliance demonstration procedures

[Authority for term: OAC rule 3745-77-07(C)(1) and 40 CFR Part 63, Subpart MMMM]

(3) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install #14-05416, issued on May 6, 2003: f)(1) – f)(2). The testing requirements contained in the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

g) Miscellaneous Requirements

(1) If the Director of Ohio EPA has issued a PTI modification for this emissions unit after the issuance date of this permit, the permittee shall comply with the requirements of OAC rule 3745-77-04(D) and OAC rule 3745-77-08(C) to incorporate PTI modifications into this permit. For a minor permit modification pursuant to OAC rule 3745-77-08(C)(1), compliance with the PTI terms and conditions and the proposed Title V terms and conditions submitted with the minor permit modification application will demonstrate compliance with the requirements of this Title V permit, unless the modifications are expressly prohibited by the terms of this permit. If the PTI modifications are prohibited by the terms and conditions of this permit, a Title V permit modification must be obtained before the operation of any new or modified emissions unit.

15. K002, Paint Shop Truck Booth

Operations, Property and/or Equipment Description:

paint shop truck booth,equipped with dry filtration system

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

(1) d)(5) and d)(6).

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3) [PTI 14-05416, issued 5/6/2003]	VOC emissions shall not exceed 50.0 pounds per day and 8.15 TPY, from coatings. Acetone emissions shall not exceed 33.0 pounds per day and 4.62 TPY, from cleanup materials. PM_{10} emissions shall not exceed 0.551 pound per hour. All PE is assumed to be PM_{10}. PE and PM_{10} emissions shall not exceed 2.41 TPY. See b)(2)a., c)(1), c)(2), and c)(3). The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A)(1).
b.	OAC rule 3745-17-07(A)(1)	Visible particulate emissions from the stacksserving this emissions unit shall not exceed 20 percent opacity as a six-minute average, except as provided by rule.
c.	OAC rule 3745-17-11(C)	Exempt per 3745-17-11(C)(3).
d.	OAC rule 3745-21-09(U)(1)	Exempt per 3745-21-09(U)(2)(c) for used motor vehicle refinishing.

(2) Additional Terms and Conditions

a. The VOC content of the coatings employed shall not exceed 4.53 pounds of VOC/gallon of coating, excluding water and exempt solvents, based on a monthly, volume-weighted average, as applied.

c) Operational Restrictions

(1) The maximum coating usage for this emissions unit shall not exceed 10 gallons per day and 3,600 gallons per year, excluding water and exempt solvents.

[Authority for term: OAC3745-31-05(A)(3) and 3745-77-07(A)(1)]

(2) The maximum cleanup material (acetone) usage for this emissions unit shall not exceed 5 gallons per day and 1,400 gallons per year.

[Authority for term: OAC3745-31-05(A)(3) and 3745-77-07(A)(1)]

(3) The permittee shall operate the dry filtration system whenever this emissions unit is in operation.

[Authority for term: OAC3745-31-05(A)(3) and 3745-77-07(A)(1)]

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall collect and record the following information for each day for this emissions unit:

a. the company identification for each coating material employed;

b. the number of gallons of each coating employed, excluding water and exempt solvents;

c. the VOC content of each coating, in pounds of VOC per gallon of coating, excluding water and exempt solvents, as applied;

d. the total VOC emissions [the summation of b. x c. for all coatings], in pounds;

e. the total coating usage for all the coatings employed [the summation of b. for all coatings], in gallons, excluding water and exempt solvents;

f. the name and identification of each cleanup material employed;

g. the number of gallons of each cleanup material employed;

h. the density of each cleanup material, in pounds per gallons; and

i. the total emissions from all cleanup materials [the summation of g. x h. for all cleanup materials], in pounds.

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

(2) The permittee shall maintain monthly records of the following information for this emissions unit:

a. the total gallons of all coatings employed [summation of information collected in d)(1)e. for each day of the calendar month];

b. the total gallons of all cleanup material employed [summation of information collected in d)(1)g. for each day of the calendar month];

c. the total VOC emissions from all coatings employed, in tons;

d. the total emissions from all cleanup materials employed, in tons; and

e. the monthly, volume-weighted average VOC content for all the coating employed in this emissions unit, in pounds per gallon [the total VOC emissions in tons/month from d)(2)c. multiplied by 2000 lbs/ton and divided by the total gallons/month from d)(2)a.]

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

(3) The permittee shall maintain annual records of the following information for this emissions unit:

a. the total gallons of all coatings employed [summation of information collected in d)(2)a. for each month of the calendar year];

b. the total gallons of all cleanup material employed [summation of information collected in d)(2)b. for each month of the calendar year];

c. the total VOC emissions from all coatings employed, in tons [summation of information collected in d)(2)c. for each month of the calendar year]; and

d. the total emissions from all cleanup materials employed, in tons [summation of information collected in d)(2)d. for each month of the calendar year].

[Authority for term: OAC 3745-77-07(C)(1)]

(4) The permittee shall maintain daily records that document any time periods when the dry filtration system was not in service when the emissions unit was in operation.

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

(5) The PTI for this emissions unit (K002) was evaluated based on the actual materials and the design parameters of the emissions unit's exhaust system, as specified by the permittee in the PTI application. The Ohio EPA's "Review of new Sources of Air Toxic Emissions" policy ("Air Toxics Policy") was applied for each pollutant emitted by this emissions unit using data from the PTI application and the SCREEN3 model (or other Ohio EPA approved model). The predicted 1-hour maximum ground-level concentration from the use of the SCREEN3 model was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC).

The following summarizes the results of modeling for the "worst case" pollutant(s):

Pollutant: acetone

TLV (ug/m3): 1,188,000

Maximum Hourly Emission Rate (lbs/hr): 33

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 1,284

MAGLC (ug/m3): 28,286

(6) Physical changes to or changes in the method of operation of the emissions unit after it's installation or modification could affect the parameters used to determine whether or not the "Air Toxics Policy" is satisfied. Consequently, prior to making a change that could impact such parameters, the permittee shall conduct an evaluation to determine that the "Air Toxics Policy" will still be satisfied. If, upon making the evaluation, the permittee determines that the "Air Toxics Policy" will not be satisfied, the permittee will not make the change. Changes can affect the parameters used in the "Air Toxics Policy" include the following:

a. changes in the composition of the materials used or the use of new materials, that would result in the emission of a comound with a lower Threshold Limit Value (TLV) than the lowest TLV previously modeled;

b. changes in the composition of the materials, or use of new materials, that would result in an increase in emissions of any pollutant with a listed TLV that was proposed in the application and modeled; and

c. physical changes to the emissions unit or its exhaust parameters (e.g., increased/ decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).

If the permittee determines that the "Air Toxic Policy" will be satisfied with the above changes, the Ohio EPA will not consider the change(s) to be a "modification" under OAC rule 3745-31-01 and a modification of the existing PTI will not be required. If the change(s) is(are) defined as a modification under other provisions of the modification definition, then the permittee shall obtain a final PTI prior to the change.

The permitee shall collect, record, and retain the following information when it conducts evaluations to determine that the changed emissions unit will satisfy the "Air Toxics Policy":

a. a description of the parameters changed (composition of materials, new pollutants emitted, change in stack/exhaust parameters, etc.);

b. documentation of its evaluation and determination that the changed emisisons unit still satisfies the "Air Toxics Policy"; and

c. when the computer modeling is performed, a copy of the resulting computer model runs that show the results of the application of the "Air Toxics Policy" for the change.

(7) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install #14-05416, issued on May 6, 2003: d)(1) through d)(6). The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Permit to Install.

e) Reporting Requirements

(1) The permittee shall submit quarterly deviation (excursion) reports that identify the following:

a. all exceedances of the daily coating usage restriction of 10 gallons, excluding water and exempt solvents;

b. all exceedances of the daily cleanup material (acetone) usage restriction of 5 gallons;

c. all exceedances of the daily coating VOC emission limitation of 50.0 pounds; and

d. all exceedances of the daily cleanup material (acetone) emission limitation of 33.0 pounds.

The quarterly deviation (excursion) reports shall be submitted in accordance with the reporting requirements of the Standard Terms and Conditions of this permit.

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

(2) The permittee shall notify the Southwest Ohio Air Quality Agency of any daily record showing the use of coatings with greater than 4.53 pounds VOC per gallon, excluding water and exempt solvents, as a monthly volume-weighted average. The notification shall include a copy of such record and shall be sent to the Southwest Ohio Air Quality Agency within 30 days following the end of the calendar month during which the non-compliant coatings were applied.

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

(3) The permittee shall notify the Southwest Ohio Air Quality Agency of any daily record showing that the dry filtration system was not in service when the emissions unit was in operation. The notification shall include a copy of such record and shall be sent to the Southwest Ohio Air Quality Agency within 30 days after the event occurs.

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

(4) The permittee shall submit annual reports to the Southwest Ohio Air Quality Agency that specify the total coating and cleanup material usage, in gallons, for the calendar year. The reports shall be submitted by April 15 of each year. This reporting requirement may be satisfied by including the annual total coating and cleanup material usage for this emissions unit in the annual Fee Emission Report.

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

(5) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install #14-05416, issued on May 6, 2003: e)(1) through e)(4). The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

f) Testing Requirements

(1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

a. Emission Limitations:

VOC emissions shall not exceed 50.0 pounds per day and 8.15 TPY, from coatings.

Applicable Compliance Method:

The emission limitations above are based upon the coating VOC content limitation of 4.53 pounds VOC/gallon and the operational restrictions specified in c)(1). Compliance shall be demonstrated by the record keeping specified in d)(1), d)(2), and d)(3).

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

b. Emission Limitations:

Acetone emissions shall not exceed 33.0 pounds per day and 4.62 TPY, from cleanup materials.

Applicable Compliance Method:

The emission limitations above are based upon the operational restrictions specified in c)(2) and the density of acetone at 6.6 pounds/gallon. Compliance shall be demonstrated by the record keeping specified in d)(1), d)(2), and d)(3).

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

c. Emission Limitations:

PM_{10} emissions shall not exceed 0.551 pound per hour. All PE is assumed to be PM_{10}.

PE and PM_{10} emissions shall not exceed 2.41 TPY.

Applicable Compliance Method:

The hourly emission limitation established under OAC rule 3745-31-05(A)(3) is based upon OAC rule 3745-17-11(B), Table 1, for a process weight rate less than 100 lbs/hour and assumes that all PE is PM_{10}. The annual emission limitation is based upon 8,760 hours of operation per year.

To determine the actual worst case hourly emission rate for PE/PM_{10} emissions, the following methodology may be used:

PE/PM_{10} emissions = maximum coating solids usage rate (20 lbs/hour) x (1 - TE) x (1 - CE)

where:

TE = transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids use (i.e., 95%); and

CE = control efficiency of the control equipment (i.e., 99%).

If required, the permittee shall demonstrate compliance with the emission limitations through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1-5.

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

d. Emission Limitation:

Visible particulate emissions from the stacksserving this emissions unit shall not exceed 20 percent opacity as a six-minute average, except as provided by rule.

Applicable Compliance Method:

Compliance with the stack visible particulate emissions limitation shall be determined through visible emissions observations performed in accordance with U.S. EPA Method 9.

No visible emissions observations are specifically required to demonstrate compliance with this emission limitation but, if appropriate, may be required pursuant to OAC rule 3745-15-04(A).

[Authority for term: OAC 3745-17-07(A)(1) and 3745-77-07(C)(1)]

e. Emission Limitation:

Coatings employed in this emissions unit shall not exceed 4.53 pounds of VOC/gallon of coating, excluding water and exempt solvents, based on a monthly volume-weighted average.

Applicable Compliance Method:

Compliance shall be based upon the record keeping specified in d)(1) and d)(2).

USEPA Method 24 shall be used to determine the VOC content for coatings. If, pursuant to Method 24 as outlined in 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 cannot be used for a particular coating, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24.

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

(2) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install #14-05416, issued on May 6, 2003: f)(1)a. – f)(1)e. The testing requirements contained in the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

g) Miscellaneous Requirements

(1) If the Director of Ohio EPA has issued a PTI modification for this emissions unit after the issuance date of this permit, the permittee shall comply with the requirements of OAC rule 3745-77-04(D) and OAC rule 3745-77-08(C) to incorporate PTI modifications into this permit. For a minor permit modification pursuant to OAC rule 3745-77-08(C)(1), compliance with the PTI terms and conditions and the proposed Title V terms and conditions submitted with the minor permit modification application will demonstrate compliance with the requirements of this Title V permit, unless the modifications are expressly prohibited by the terms of this permit. If the PTI modifications are prohibited by the terms and conditions of this permit, a Title V permit modification must be obtained before the operation of any new or modified emissions unit.

16. P003, Deodorizing Operations

Operations, Property and/or Equipment Description:

odor control deodorizing system

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

(1) g)(1).

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3) ORC 3704.03(T) [PTI P0116461, issued 3/28/2014]	OC emissions shall not exceed 2.85 tons per month averaged over a 12-month rolling period.
b.	OAC rule 3745-31-05(D) *Synthetic Minor to Avoid Nonattainment new Source Review*	OC emissions shall not exceed 34.17 tons per rolling, 12-month period. See c)(1), d)(1), and e)(1).

(2) Additional Terms and Conditions

a. None.

c) Operational Restrictions

(1) The total OC input from deodorizing agents employed in emissions unit P003 (Deodorizing Operations) shall not exceed 34.17 tons per year (TPY). Compliance with the above limitation shall be based upon a rolling, 12 month-summation of the OC input. The OC input shall be determined by multiplying the number of gallons of each deodorizing agent employed per month by the OC content of each deodorizing agent, in pounds per gallon. The OC input of deodorizing agents shall be assumed to be 100 percent of the OC content of the deodorizing agents employed and, as such, is equivalent to the OC emission rate. In addition, the facility may use antifreeze (typically propylene glycol) as necessary during periods of cold temperatures with some of its deodorizing agents. Based on estimated volatilization factors using the chemical properties and vapor pressure of antifreeze (typically propylene glycol) and accounting for its use only during cold temperatures periods, only a small portion will be emitted

(6.14% by weight for propylene glycol). The OC input of antifreeze shall be determined by multiplying the number of gallons employed per month by its OC content. The OC emissions of antifreeze shall be calculated by multiplying the OC input by the estimated volatilization factor. If antifreeze is employed, total OC emissions from deodorizing agents and antifreeze (if employed) shall not exceed 34.17 tons per year (TPY) with compliance based on a rolling 12-month summation of the OC emissions.

[Authority for term: OAC 3745-31-05(D) and 3745-77-07(A)(1)]

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall maintain monthly records of the following information:

a. the name and identification for each deodorizing agent employed;

b. the number of gallons of each deodorizing agent employed;

c. the OC content of each deodorizing agent, in pounds per gallon;

d. the deodorizing agent OC input and OC emissions, in tons;

e. the rolling, 12-month summation of the monthly deodorizing agent OC input and the total OC emissions from deodorizing agents and antifreeze, in tons;

f. the name and identification of each antifreeze employed;

g. the number of gallons of each antifreeze employed;

h. the OC content of each antifreeze employed, in pounds per gallon;

i. the OC volatilization factor for each antifreeze employed;

j. the antifreeze OC input and OC emissions, in tons;

k. the total OC emissions from deodorizing agents and antifreeze, in tons; and

l. OC emissions averaged over a twelve-month rolling period.

[Authority for term: ORC 3704.03(T), OAC 3745-31-05(A)(3), 3745-31-05(D), and 3745-77-07(C)(1)]

(2) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install #P0116461, issued on March 28, 2014: d)(1). The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Permit to Install.

e) Reporting Requirements

(1) The permittee shall submit quarterly deviation (excursion) reports that include the following information:

a. an identification of all exceedances of the rolling, 12-month summation of the monthly OC emission rate, in tons; and

b. an identification of all exceedances of the OC emissions per month averaged over the twelve-month rolling period.

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

[Authority for term: ORC 3704.03(T), OAC 3745-31-05(A)(3), 3745-31-05(D), and 3745-77-07(C)(1)]

(2) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install #P0116461, issued on March 28, 2014: e)(1). The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

f) Testing Requirements

(1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

a. Emission Limitation:

OC emissions shall not exceed 34.17 tons per rolling, 12-month period.

Applicable Compliance Method(s):

Compliance with the annual OC emission limitation above shall be based upon the record keeping requirements as specified in d)(1).

[Authority for term: OAC 3745-31-05(D) and 3745-77-07(C)(1)]

b. Emission Limitation:

OC emissions shall not exceed 2.85 tons per month averaged over a 12-month rolling period.

Applicable Compliance Method(s):

Compliance with the annual OC emission limitation above shall be based upon the record keeping requirements as specified in d)(1).

[Authority for term: ORC 3704.03(T), OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

(2) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install #P0116461, issued on March 28, 2014: f)(1)a. – f)(1)b. The testing requirements contained in the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

g) Miscellaneous Requirements

(1) Modeling to demonstrate compliance with, the "Toxic Air Contaminant Statute", ORC 3704.03(F)(4)(b), was not necessary because the emissions unit's maximum annual emissions for each toxic air contaminant, as defined in OAC rule 3745-114-01, will be less than 1.0 ton per year. OAC Chapter 3745-31 requires permittees to apply for and obtain a new or modified permit-to-install prior to making a "modification" as defined by OAC rule 3745-31-01. The permittee is hereby advised that changes in the composition of the materials, or use of new materials, that would cause the emissions of any toxic air contaminant to increase to above 1.0 ton per year may require the permittee to apply for and obtain a new permit-to-install.

(2) If the Director of Ohio EPA has issued a PTI modification for this emissions unit after the issuance date of this permit, the permittee shall comply with the requirements of OAC rule 3745-77-04(D) and OAC rule 3745-77-08(C) to incorporate PTI modifications into this permit. For a minor permit modification pursuant to OAC rule 3745-77-08(C)(1), compliance with the PTI terms and conditions and the proposed Title V terms and conditions submitted with the minor permit modification application will demonstrate compliance with the requirements of this Title V permit, unless the modifications are expressly prohibited by the terms of this permit. If the PTI modifications are prohibited by the terms and conditions of this permit, a Title V permit modification must be obtained before the operation of any new or modified emissions unit.

17. P006, Leachate Treatment Tank # 2

Operations, Property and/or Equipment Description:

25,000 gallon wastewater aeration tank

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3) [PTI #14-04447, issued 7/15/1998]	OC emissions shall not exceed 9.0 pounds per hour* and 39.42 TPY. *The hourly emission limitation outlined above is based upon the emissions unit's potential to emit. Therefore, no hourly record keeping or reporting is required to demonstrate compliance with this limit.

(2) Additional Terms and Conditions

a. None.

c) Operational Restrictions

(1) The OC content of the leachate processed (influent) shall not exceed 45,000 micrograms/liter (ug/l).

[Authority for term: OAC3745-77-07(A)(1)]

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall obtain an annual sample of the leachate processed (influent) and conduct, or have conducted, an analysis for organic solvent concentrations, in parts per billion (ppb) or micrograms per liter (µg/L), using US EPA-approved test methods (i.e., SW-846). The permittee shall maintain records of the laboratory analytical reports that determine the OC content of the leachate processed (influent).

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

(2) The permittee shall maintain a record of the total annual volume of leachate processed (influent), in gallons, in this emissions unit for each calendar year.

[Authority for term: OAC 3745-77-07(C)(1)]

(3) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install #14-04447 issued on July 15, 1998:d)(1) and d)(2). The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Permit to Install.

e) Reporting Requirements

(1) The permittee shall submit annual reports to the Southwest Ohio Air Quality Agency that specify:

a. the OC content of the leachate, in ug/l, pursuant to the analysis performed in d)(1); and

b. the total OC emissions from this emissions unit, in tons.

The reports shall be submitted by April 15 of each year and cover the previous calendar year. This reporting requirement may be satisfied by including and identifying the information above for this emissions unit in the annual Fee Emission Report.

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

(2) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install #14-04447 issued on July 15, 1998: e)(1). The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

f) Testing Requirements

(1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

a. Emission Limitations:

OC emissions shall not exceed 9.0 pounds per hour and 39.42 TPY.

Applicable Compliance Method:

The hourly OC emission limitation represents the emissions unit's potential to emit and was established by the following methodology:

lbs of OC emissions/hr = (A) x (B)

where:

A = maximum OC content of leachate, 45,000 micrograms/liter (0.000375 lb/gal);
B = maximum hourly leachate flow rate (24,000 gallons/hour).

The annual OC emission limitation was established by the following methodology:

tons OC emissions/yr = (A) x (B) x (1 ton/2,000 lbs)

where:

A = maximum OC content of leachate, 45,000 micrograms/liter (0.000375 lb/gal);
B = maximum annual leachate flow rate (210,240,000 gallons/year).

Compliance with the annual emission limitation shall be based upon the record keeping requirements specified in d)(1) and d)(2) and the equation above.

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

(2) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install #14-04447 issued on July 15, 1998: f)(1)a. The testing requirements contained in the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

g) Miscellaneous Requirements

(1) If the Director of Ohio EPA has issued a PTI modification for this emissions unit after the issuance date of this permit, the permittee shall comply with the requirements of OAC rule 3745-77-04(D) and OAC rule 3745-77-08(C) to incorporate PTI modifications into this permit. For a minor permit modification pursuant to OAC rule 3745-77-08(C)(1), compliance with the PTI terms and conditions and the proposed Title V terms and conditions submitted with the minor permit modification application will demonstrate compliance with the requirements of this Title V permit, unless the modifications are expressly prohibited by the terms of this permit. If the PTI modifications are prohibited by the terms and conditions of this permit, a Title V permit modification must be obtained before the operation of any new or modified emissions unit.

18. P010, Unit #80189 (P010)

Operations, Property and/or Equipment Description:

440 HP diesel IC engine for 400 TPH portable soil/rock crusher (F009)

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3) [PTI 06-05712, issued 7/8/1999, as emissions unit P001]	PM_{10} emissions shall not exceed 0.96 pound per hour*. All PE is assumed to be PM_{10}. NOx emissions shall not exceed 4.41 pounds per MMBtu and 13.67 pounds per hour*. SO_2 emissions shall not exceed 0.29 pound per MMBtu and 0.90 pound per hour*. CO emissions shall not exceed 0.95 pound per MMBtu and 2.95 pounds per hour*. OC emissions shall not exceed 0.36 pound per MMBtu and 1.12 pounds per hour*. See c)(1). *The pound per MMBtu and pound per hour emission limitations outlined above are based upon the emissions unit's potential to emit. Therefore, no additional monitoring, record keeping or reporting is required to demonstrate compliance with these limits.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		The diesel fuel sulfur content requirements established pursuant to OAC rule 3745-31-05(A)(3) are less stringent than the diesel fuel requirements for this emissions unit specified in 40 CFR Part 63, Subpart ZZZZ and c)(3). Compliance with the requirements of this rule includes compliance with the requirements of OAC rule 3745-31-05(D).
b.	OAC rule 3745-31-05(D) [PTI 06-05712, issued 7/8/1999, as emissions unit P001]	PM_{10} emissions shall not exceed 1.44 TPY as a rolling 12-month summation. All PE is assumed to be PM_{10}. NOx emissions shall not exceed 20.54 TPY as a rolling 12-month summation. SO_2 emissions shall not exceed 1.35 TPY as a rolling 12-month summation. CO emissions shall not exceed 4.43 TPY as a rolling 12-month summation. OC emissions shall not exceed 1.68 TPY as a rolling 12-month summation. See c)(2).
c.	OAC rule 3745-17-07(A)(1)	Visible particulate emissions from the stack serving this emissions unit shall not exceed 20 percent opacity as a six-minute average, except as provided by rule.
d.	OAC rule 3745-17-11(B)(5)(a)	PE from the engine exhaust shall not exceed 0.31 pound per MMBtu of actual heat input.
e.	OAC rule 3745-18-06(G)	Exempt pursuant to OAC rule 3745-18-06(B).
f.	OAC rule 3745-110-03	Exempt pursuant to OAC rules3745-110-02(A) and 3745-110-03(K)(3).
g.	40 CFR Part 63, Subpart ZZZZ (40 CFR 63.6580-6675) *National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal*	Comply with the emission limitations specified in b)(2)a. pursuant to Table 2c of Subpart ZZZZ. [40 CFR 63.6602] See b)(2)a. and c)(4).

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
	Combustion Engines (RICE) [In accordance with 40 CFR 63.6590 and 63.6675, this emissions unit is an existing non-emergency compression ignition RICE<500 HP.]	
h.	40 CFR Part 63.1-15 [40 CFR 63.6665]	Table 8 to 40 CFR Part 63, Subpart ZZZZ – Applicability of General Provisions (Subpart A) to Subpart ZZZZ shows which parts of the General Provisions in 40 CFR Part 63.1-15 apply.

(2) Additional Terms and Conditions

a. The permittee shall comply with the following requirements of 40 CFR Part 63, Subpart ZZZZ, Table 2c for existing non-emergency, non-black start stationary compression ignition (CI) RICE greater than 300 HP, and less than or equal to 500 HP:

i. Limit concentration of CO in the stationary RICE exhaust to 49 ppmvd or less, at 15 percent O_2; <u>or</u>

ii. Reduce CO emissions by 70 percent or more.

c) Operational Restrictions

(1) This emissions unit shall burn only No. 2 fuel oil or diesel fuel.

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(A)(1)]

(2) The maximum fuel usage for this emissions unit shall not exceed 68,000 gallons per year, as a rolling 12-month summation.

[Authority for term: OAC 3745-31-05(D), 3745-31-05(A)(3), and 3745-77-07(A)(1)]

(3) Pursuant to 40 CFR 63.6604(a), the quality of No. 2 fuel oil or diesel fuel burned in this emissions unit shall meet the following specifications found in 40 CFR 80.510(b), on an 'as received' basis:

a. Sulfur content. 15 ppm maximum.

b. Cetane index or aromatic content, as follows:

i. A minimum cetane index of 40; or

ii. A maximum aromatic content of 35 volume percent.

[Authority for term: OAC3745-77-07(A)(1) and 40 CFR Part 63, Subpart ZZZZ]

(4) The permittee shall comply with the applicable requirements under 40 CFR Part 63, Subpart ZZZZ, including the following sections:

63.6604	No. 2 fuel oil or diesel fuel requirements [see c)(3)]
63.6605(a) and (b)	general duty to minimize emissions
63.6625(g)	crankcase requirements
63.6625(h)	minimize idle and startup time, not to exceed 30 minutes

[Authority for term: OAC 3745-77-07(A)(1) and 40 CFR Part 63, Subpart ZZZZ]

d) Monitoring and/or Recordkeeping Requirements

(1) For each day during which the permittee burns a fuel other than No. 2 fuel oil or diesel fuel, the permittee shall maintain a record of the type and quantity of fuel burned in the emissions unit.

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

(2) For each shipment of No. 2 fuel oil or diesel fuel received for burning in this emissions unit, the permittee shall maintain records of the fuel supplier's (or permittee's) analyses for sulfur content, in parts per million. The permittee shall perform or require the supplier to perform the analyses for sulfur content in accordance with 40 CFR 80.580, using the appropriate ASTM methods. Alternatively, the permittee may use the sulfur content information in the product transfer documents (bills of lading/fuel shipment manifests) as required under 40 CFR 80.590(a)(7)(ii) and fuel certifications or specifications provided by the fuel supplier. These records shall be retained for a minimum of 5 years and shall be available for inspection by the Director (the appropriate Ohio EPA District Office or local air agency).

[Authority for term: OAC 3745-77-07(C)(1), 40 CFR 80.580, 40 CFR 80.590, and 40 CFR Part 60, Subpart ZZZZ]

(3) The permittee shall maintain monthly records the following information for this emissions unit:

a. the total amount of No. 2 fuel oil or diesel fuel burned, in gallons;

b. the rolling, 12-month summation of the monthly No. 2 fuel oil or diesel fuel usage totals as recorded in d)(3)a.; and

c. the rolling, 12-month summation of the SO_2, CO, NOx, OC, and PM_{10} emissions, in tons.

[Authority for term: OAC 3745-31-05(D), 3745-31-05(A)(3), and 3745-77-07(C)(1)]

(4) The permittee shall comply with the applicable monitoring and record keeping requirements required under 40 CFR Part 63, Subpart ZZZZ, including the following sections:

63.6635	continuous compliance monitoring requirements
63.6655(a)	required overall records to be maintained
63.6655(d)	records required in accordance with Table 6 of Subpart ZZZZ to show continuous compliance
63.6660	record format and retention requirements

[Authority for term: OAC 3745-77-07(C)(1) and 40 CFR Part 63, Subpart ZZZZ]

(5) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install #06-05712, issued on July 8, 1999:d)(1) - d)(4). The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Permit to Install.

e) Reporting Requirements

(1) The permittee shall submit quarterly deviation (excursion) reports that identify the following:

a. all exceedances of the rolling, 12-month diesel fuel usage limitation; and

b. all exceedances of the rolling, 12-month PM_{10}, NOx, SO2, OC and CO emission limitations.

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

[Authority for term: OAC 3745-31-05(D), 3745-31-05(A)(3), and 3745-77-07(C)(1)]

(2) The permittee shall notify the Southwest Ohio Air Quality Agency in writing of any record that shows this emissions unit employed a fuel other than No. 2 fuel oil or diesel fuel. The notification shall include a copy of such record and shall be sent to the Southwest Ohio Air Quality Agency within 45 days after the occurrence.

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

(3) The permittee shall comply with the applicable reporting requirements required under 40 CFR Part 63, Subpart ZZZZ, including the following sections:

63.6630(c) and 63.6645	requirements for notification reports
63.6640(b) and (e)	submission of deviation reports

63.6650	submission of compliance reports in accordance with Table 7 of Subpart ZZZZ
63.6650(c) and (d)	content of compliance reports
63.6650(f)	Title V monitoring report allowance

[Authority for term: OAC 3745-77-07(C)(1) and 40 CFR Part 63, Subpart ZZZZ]

(4) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install #06-05712, issued on July 8, 1999: e)(1) – e)(3). The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

f) Testing Requirements

(1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

a. Emission Limitations:

PM_{10} emissions shall not exceed 0.96 pound per hour.

NOx emissions shall not exceed 4.41 pounds per MMBtu and 13.67 pounds per hour.

SO_2 emissions shall not exceed 0.29 pound per MMBtu and 0.90 pound per hour.

CO emissions shall not exceed 0.95 pound per MMBtu and 2.95 pounds per hour.

OC emissions shall not exceed 0.36 pound per MMBtu and 1.12 pounds per hour.

Applicable Compliance Method:

The PM_{10}, NOx, CO, SO_2, and OC emission limitations above are equivalent to the emissions unit's potential to emit based upon the US EPA uncontrolled emission factors from AP-42, Section 3.3, Table 3.3-1, dated 10/1996, and the maximum rated heat input of the emissions unit at 3.08 MMBtu/hour.

If required, compliance with these emission limitations shall be determined through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4, and the pollutant-specific Methods 201, 7, 10, 6, and 25, respectively.

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

b. Emission Limitations:

PM_{10} emissions shall not exceed 1.44 TPY as a rolling 12-month summation.

NOx emissions shall not exceed 20.54 TPY as a rolling 12-month summation.

SO_2 emissions shall not exceed 1.35 TPY as a rolling 12-month summation.

CO emissions shall not exceed 4.43 TPY as a rolling 12-month summation.

OC emissions shall not exceed 1.68 TPY as a rolling 12-month summation.

Applicable Compliance Method:

The PM_{10}, NOx, CO, SO_2, and OC emission limitations above are based upon the US EPA uncontrolled emission factors from AP-42, Section 3.3, Table 3.3-1, dated 10/1996, the diesel fuel usage limitation of 68,000 gallons/year, and the diesel fuel heat content limitation of 137,000 Btu/gallon.

Compliance with the limitations for No. 2 fuel oil or diesel fuel in c)(2) and the associated monitoring requirements in d)(3) will demonstrate compliance with the emission limitations.

[Authority for term: OAC 3745-31-05(A)(3), 3745-31-05(D), and 3745-77-07(C)(1)]

c. Emission Limitation:

PE from the engine exhaust shall not exceed 0.31 pound per MMBtu of actual heat input.

Applicable Compliance Method:

The PE limitation above is equivalent to the emissions unit's potential to emit based upon the US EPA uncontrolled emission factor from AP-42, Section 3.3, Table 3.3-1, dated 10/1996. All PE is assumed to be PM_{10} as footnoted in Table 3.3-1. If required, compliance with this emission limitation shall be determined through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4, and Method 5.

[Authority for term: OAC 3745-17-11(B)(5) and 3745-77-07(C)(1)]

d. Emission Limitation:

Visible particulate emissions from any stack shall not exceed 20 percent opacity, as a six-minute average, except as specified by rule.

Applicable Compliance Method:

Compliance with the stack visible particulate emissions limitation shall be determined through visible emissions observations performed in accordance with U.S. EPA Method 9.

No visible emissions observations are specifically required to demonstrate compliance with this emission limitation but, if appropriate, may be required pursuant to OAC rule 3745-15-04(A).

[Authority for term: OAC 3745-77-07(C)(1), 3745-17-07(A), and 3745-17-03(B)(1)(a)]

e. Emission Limitations:

The concentration of CO in the stationary RICE exhaust shall be limited to 49 ppmvd or less at 15 percent O_2; or

Reduce CO emissions by 70 percent or more.

Applicable Compliance Method:

The permittee shall demonstrate continuous compliance with either of the above emission limitations in accordance with the performance testing, monitoring, and record keeping requirements pursuant to 40 CFR Part 63, Subpart ZZZZ and d)(4) and f)(2) of this permit.

[Authority for term: OAC 3745-77-07(C)(1) and 40 CFR Part 63, Subpart ZZZZ]

(2) The permittee shall comply with the applicable testing requirements required under 40 CFR Part 63, Subpart ZZZZ, including the following sections:

63.6612 and Table 5	initial compliance demonstration requirements
63.6620 and Table 4	performance test requirements and test methods
63.6645(g)	notification of intent to conduct performance test
63.6605, 63.6640	continuous compliance demonstration requirements

[Authority for term: OAC 3745-77-07(C)(1) and 40 CFR Part 63, Subpart ZZZZ]

(3) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install #06-05712, issued on July 8, 1999: f)(1) – f)(2). The testing requirements contained in the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

g) Miscellaneous Requirements

(1) At the discretion and following the approval of the Director (the appropriate Ohio EPA District Office or local air agency), the permittee may relocate the portable source within the State of Ohio without first obtaining a permit-to-install and operate (PTIO) or a permit-to-install (PTI), providing the appropriate notification and exemption requirements have been met for portable emissions units as specified in OAC rule 3745-31-03(A)(1) or OAC rule 3745-31-05(H), and any subsequent revisions of these OAC rules, as applicable.

(2) If the Director of Ohio EPA has issued a PTI modification for this emissions unit after the issuance date of this permit, the permittee shall comply with the requirements of OAC rule 3745-77-04(D) and OAC rule 3745-77-08(C) to incorporate PTI modifications into this permit. For a minor permit modification pursuant to OAC rule 3745-77-08(C)(1), compliance with the PTI terms and conditions and the proposed Title V terms and conditions submitted with the minor permit modification application will demonstrate compliance with the requirements of this Title V permit, unless the modifications are expressly prohibited by the terms of this permit. If the PTI modifications are prohibited by the terms and conditions of this permit, a Title V permit modification must be obtained before the operation of any new or modified emissions unit.

19. P018, Unit #81774 (P018)

Operations, Property and/or Equipment Description:

80 HP Thompson Stormwater Pump Diesel Engine

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3), as effective 11/30/01 [PTI P0110470, issued 9/11/2012]	PE and PM_{10} emissions shall not exceed 0.17 pound per hour and 0.76 TPY. SO_2 emissions shall not exceed 0.00087 pound per hour and 0.004 TPY. NOx emissions shall not exceed 1.22 pounds per hour and 5.33 TPY. CO emissions shall not exceed 0.53 pound per hour and 2.33 TPY. VOC emissions shall not exceed 0.20 pound per hour and 0.88 TPY. See b)(2)a. The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A), OAC rule 3745-17-11(B), 40 CFR Part 60, Subpart IIII, and 40 CFR Part 63, Subpart ZZZZ.
b.	OAC rule 3745-31-05(A)(3)(a)(ii), as effective 12/01/06	See b)(2)b.
c.	OAC rule 3745-17-07(A)(1)	Visible particulate emissions from the stack serving this emissions unit shall not exceed 20 percent opacity as a six-minute average, except as provided by rule.
d.	OAC rule 3745-17-11(B)(5)(a)	PE from the engine exhaust shall not exceed 0.31 pound per MMBtu of actual

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		heat input.
e.	OAC rule 3745-18-06(G)	Exempt pursuant to OAC rule 3745-18-06(B).
f.	OAC rule 3745-110-03	Exempt pursuant to OAC rule 3745-110-02(A)(2) and 3745-110-03(K)(3).
g.	40 CFR Part 60, Subpart IIII 40 CFR 60.4204(a) and Table 1 to Subpart IIII	The exhaust emissions from this engine shall not exceed 9.2 grams NOx/KW-hr (6.9 grams/HP-hr). See b)(2)c., b)(2)d., b)(2)e., c)(2), and c)(4).
h.	40 CFR Part 60, Subpart IIII 40 CFR 60.4207(b) 40 CFR 80.510(b)	The sulfur content of the No. 2 fuel oil or diesel fuel burned in this engine shall not exceed 15 ppm or 0.0015% sulfur by weight. See c)(3).
i.	40 CFR Part 63, Subpart ZZZZ (40 CFR 63.6580-6675) *National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE)* [In accordance with 40 CFR 63.6585 and 63.6590, this emissions unit is a newnon-emergency compression ignition stationary RICE<500 HP located at a major source.]	The permittee shall comply with the applicable requirements of 40 CFR Part 60, Subpart IIII. [40 CFR 63.6590(c)]

(2) Additional Terms and Conditions

a. The permittee has satisfied the Best Available Technology (BAT) requirements pursuant to Ohio Administrative Code (OAC) paragraph 3745-31-05(A)(3), as effective November 30, 2001, in this permit. On December 1, 2006, paragraph (A)(3) of OAC rule 3745-31-05 was revised to conform to the Ohio Revised Code (ORC) changes effective August 3, 2006 (Senate Bill 265 changes), such that BAT is no longer required by State regulations for National Ambient Air Quality Standards (NAAQS) pollutant(s) less than ten tons per year. However, that rule revision has not yet been approved by U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revisions to OAC rule 3745-31-05, the requirement to satisfy BAT still exists as part of the federally-approved SIP for Ohio. Once U.S. EPA approves the December 1, 2006 version of OAC rule 3745-31-05, then these emission limitations/control measures no longer apply.

b. This rule paragraph applies once U.S. EPA approves the December 1, 2006 version of OAC rule 3745-31-05 as part of the State Implementation Plan:

The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to the PE, PM_{10}, SO_2, NOx, CO, and VOC emissions from this air contaminant source since the uncontrolled potential to emit for PE, PM_{10}, SO_2, NOx, CO and VOC is less than ten tons per year.

c. The stationary compression ignition (CI) internal combustion engine (ICE) is subject to and shall be operated in compliance with the requirements of 40 CFR Part 60, Subpart IIII, the standards of performance for stationary CI ICE.

d. The stationary CI ICE has been or shall be purchased certified by the manufacturer to 40 CFR Part 89 and emission standards as stringent as those identified in 40 CFR 60.4204(a) and found in 40 CFRPart 60,Subpart IIII, Table 1, for engines greater than or equal to 75horsepower (56 kilowatt) and less than 100 horsepower (75 kilowatt). The engine shall be installed and configured according to the manufacturer's specifications.

e. The application and enforcement of the provisions of the New Source Performance Standards (NSPS), as promulgated by the United States Environmental Protection Agency (U.S. EPA), 40 CFR Part 60, are delegated to the Ohio Environmental Protection Agency (Ohio EPA).

c) Operational Restrictions

(1) The permittee shall burn only No. 2 fuel oil or diesel fuel in this emissions unit.

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(A)(1)]

(2) Pursuant to 60.4206, the permittee shall operate and maintain the stationary CI ICE under the emission standards in 60.4204(a) over the entire life of the engine.

[Authority for term: OAC 3745-31-05(A)(3), 3745-77-07(A)(1), and 40 CFR Part 60, Subpart IIII]

(3) The quality of the No. 2 fuel oil/diesel fuel burned in this emissions unit shall meet the following specifications on an "as received" per-gallon basis:

a. a sulfur content which is less than or equal to 15 ppm sulfur or 0.0015% sulfur by weight; and

b. a minimum cetane index of 40 or a maximum aromatic content of 35 volume percent.

Compliance with the above-mentioned specifications shall be determined by using the information collected in d)(2).

[Authority for term: OAC 3745-31-05(A)(3), 3745-77-07(A)(1), and 40 CFR Part 60, Subpart IIII]

(4) The permittee shall operate and maintain this emissions unit according to the manufacturer's emission-related written instructions or procedures; change only those emission-related settings that are permitted by the manufacturer; and shall meet the requirements of 40 CFR Parts 89 and 1068, as applicable.

[Authority for term: OAC 3745-31-05(A)(3), 3745-77-07(A)(1), and 40 CFR Part 60, Subpart IIII]

d) Monitoring and/or Recordkeeping Requirements

(1) For each day during which the permittee burns a fuel other than No. 2 fuel oil or diesel fuel, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

(2) For each shipment of No. 2 fuel oil/diesel received for burning in this emissions unit, the permittee shall maintain records of the fuel supplier's (or permittee's) analyses for sulfur content, in parts per million (40 CFR 80.510) or percent by weight. The permittee shall perform or require the supplier to perform the analyses for sulfur content in accordance with 40 CFR 80.580, using the appropriate ASTM methods. Alternatively, the permittee may use the sulfur content information in the product transfer documents (bills of lading/fuel shipment manifests) as required under 40 CFR 80.590(a)(7)(ii) and fuel certifications or specifications provided by the fuel supplier. These records shall be retained for a minimum of 5 years and shall be available for inspection by the Director or his/her representative.

[Authority for term: OAC 3745-31-05(A)(3), 3745-77-07(C)(1), and 40 CFR Part 60, Subpart IIII]

(3) The permittee shall maintain the manufacturer's certification, to the applicable emission standards in Table 1 of 40 CFR Part60, Subpart IIII, on site or at a central location for all facility ICE and it shall be made available for review upon request. If the manufacturer's certification is not kept on site, the permittee shall maintain a log for the location of each ICE and it shall identify the agency-assigned emissions unit number, the manufacturer's identification number, and the identification number of the certificate. The manufacturer's operations manual and any written instructions or procedures developed by the permittee and approved by the manufacturer shall be maintained at the same location as the ICE.

[Authority for term: OAC 3745-31-05(A)(3), 3745-77-07(C)(1), and 40 CFR Part 60, Subpart IIII]

(4) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install #P0110470, issued on September 11, 2012:d)(1) through d)(3). The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance

with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Permit to Install.

e) Reporting Requirements

(1) The permittee shall notify the Southwest Ohio Air Quality Agency in writing of any fuel burned in this emissions unit other than No. 2 fuel oil or diesel fuel. The notification shall include a copy of such record and shall be sent to the Southwest Ohio Air Quality Agency within 45 days after the deviation occurs.

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

(2) The permittee shall notify the Southwest Ohio Air Quality Agency in writing of any record which shows a deviation of the allowable sulfur content limitation based upon the record keeping requirements from d)(2). The notification shall include a copy of such record and shall be sent to the Southwest Ohio Air Quality Agency within 45 days after the deviation occurs.

[Authority for term: OAC 3745-31-05(A)(3), 3745-77-07(C)(1), and 40 CFR Part 60, Subpart IIII]

(3) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install #P0110470, issued on September 11, 2012: e)(1) and e)(2). The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

f) Testing Requirements

(1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

a. Emission Limitations:

PE and PM_{10} emissions shall not exceed 0.17 pound per hour and 0.76 TPY.

Applicable Compliance Method:

The hourly emission limitation is based upon the emissions unit's potential to emit and was established by multiplying the maximum rated heat input of 0.56 MMBtu/hr by the emission factor of 0.31 lb of PE/PM_{10}/MMBtu found in AP-42, Fifth Edition, Section 3.3, Table 3.3-1 (October, 1996).

Compliance with the annual emission limitation may be demonstrated by multiplying the lb/MMBtu emission factor by the maximum rated heat input capacity of the emissions unit (in MMBtu/hr), multiplying by 8760 hours per year and dividing by 2000 lbs/ton.

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

b. Emission Limitations:

NOx emissions shall not exceed 1.22 pounds per hour and 5.33 TPY.

Applicable Compliance Method:

The hourly emission limitation is based upon the emissions unit's potential to emit and was established by multiplying the total heat input of 0.56 MMBtu/hr by the emission rate of 2.17 lbs of NOx/MMBtu. This emission rate is based on the emission limitation of 9.2 grams NOx/KW-hr from Table 1 of 40 CFR 60, Subpart IIIIfor diesel engines between 75and less than 100 horsepower (56and 75 kilowatts). Compliance with the hourly limitation is assumed based upon certification by the manufacturer that the engine complies with the emission standards in 40 CFR Part 60, Subpart IIII [see d)(3)].

Compliance with the annual emission limitation may be demonstrated by multiplying 2.17 lb/MMBtu by the maximum rated heat input capacity of the emissions unit (in MMBtu/hr), multiplying by 8760 hours per year and dividing by 2000 lbs/ton.

If required, the permittee shall demonstrate compliance with the hourly NOx emission limitation through emission tests performed in accordance with Method 7 of 40 CFR Part 60, Appendix A.

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

c. Emission Limitations:

SO_2 emissions shall not exceed 0.00087 pound per hour and 0.004 TPY.

Applicable Compliance Method:

The hourly emission limitation is based upon the emissions unit's potential to emit and was established by multiplying the total heat input of 0.56 MMBtu/hr by the emission factor of 0.00155 lb of SO_2/MMBtu. This emission factor is based on the diesel fuel sulfur content limitation of 40 CFR 80.510(b), where 15 ppm calculates to 0.00155 lb of SO_2/MMBtu.

Compliance with the annual emission limitation may be demonstrated by multiplying the lb/MMBtu emission factor by the maximum rated heat input capacity of the emissions unit (in MMBtu/hr), multiplying by 8760 hours per year and dividing by 2000 lbs/ton.

If required, the permittee shall demonstrate compliance with the hourly SO_2 emission limitation through emission tests performed in accordance with Method 6 of 40 CFR Part 60, Appendix A.

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

d. Emission Limitations:

CO emissions shall not exceed 0.53 pound per hour and 2.33 TPY.

Applicable Compliance Method:

The hourly emission limitation is based upon the emissions unit's potential to emit and was established by multiplying the maximum rated heat input of 0.56 MMBtu/hr by the emission factor of 0.95 lb of CO/MMBtu found in AP-42, Fifth Edition, Section 3.3, Table 3.3-1 (October, 1996).

Compliance with the annual emission limitation may be demonstrated by multiplying the lb/MMBtu emission factor by the maximum rated heat input capacity of the emissions unit (in MMBtu/hr), multiplying by 8760 hours per year and dividing by 2000 lbs/ton.

If required, the permittee shall demonstrate compliance with the hourly CO emission limitation through emission tests performed in accordance with Method 10 of 40 CFR Part 60, Appendix A.

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

e. Emission Limitations:

VOC emissions shall not exceed 0.20 pound per hour and 0.88 TPY.

Applicable Compliance Method:

The hourly emission limitation is based upon the emissions unit's potential to emit and was established by multiplying the maximum rated heat input of 0.56 MMBtu/hr by the emission factor of 0.36 lb of VOC/MMBtu found in AP-42, Fifth Edition, Section 3.3, Table 3.3-1 (October, 1996).

Compliance with the annual emission limitation may be demonstrated by multiplying the lb/MMBtu emission factor by the maximum rated heat input capacity of the emissions unit (in MMBtu/hr), multiplying by 8760 hours per year and dividing by 2000 lbs/ton.

If required, the permittee shall demonstrate compliance with the hourly VOC emission limitation through emission tests performed in accordance with Method 25 of 40 CFR Part 60, Appendix A.

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

f. Emission Limitation:

PE from the engine exhaust shall not exceed 0.31 pound per MMBtu of actual heat input.

Applicable Compliance Method:

The PE limitation above is equivalent to the emissions unit's potential to emit based upon the US EPA uncontrolled emission factor from AP-42, Section 3.3, Table 3.3-1, dated 10/1996. All PE is assumed to be PM_{10} as footnoted in Table 3.3-1.

If required, compliance with this emission limitation shall be determined through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4, and Method 5.

[Authority for term: OAC 3745-17-11(B)(5), 3745-31-05(A)(3), and 3745-77-07(C)(1)]

g. Emission Limitation:

Visible particulate emissions from the stack serving this emissions unit shall not exceed 20 percent opacity as a six-minute average, except as provided by rule.

Applicable Compliance Method:

Compliance with the stack visible particulate emissions limitation shall be determined through visible emissions observations performed in accordance with U.S. EPA Method 9.

No visible emissions observations are specifically required to demonstrate compliance with this emission limitation but, if appropriate, may be required pursuant to OAC rule 3745-15-04(A).

[Authority for term: OAC 3745-77-07(C)(1), 3745-31-05(A)(3), 3745-17-07(A), and 3745-17-03(B)(1)(a)]

h. Emission Limitation:

The exhaust emissions from this engine shall not exceed 9.2 grams NOx/KW-hr (6.9 grams/HP-hr).

Applicable Compliance Method:

The ICE shall be purchased certified to the emissions standards found in Table 1 of 40 CFR Part 60, Subpart IIII. Compliance with the emission limitation shall be based on the manufacturer's certification and by maintaining the engine according to the manufacturer's specifications.

[Authority for term: 40 CFR Part 60, Subpart IIII, OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

(2) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install #P0110470, issued on September 11, 2012**:** f)(1)a. through f)(1)h. The testing requirements contained in the above-referenced Permit to Install are subsumed into the

testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

g) Miscellaneous Requirements

(1) At the discretion and following the approval of the Director (the appropriate Ohio EPA District Office or local air agency), the permittee may relocate the portable source within the State of Ohio without first obtaining a permit-to-install and operate (PTIO) or a permit-to-install (PTI), providing the appropriate notification and exemption requirements have been met for portable emissions units as specified in OAC rule 3745-31-03(A)(1) or OAC rule 3745-31-05(H), and any subsequent revisions of these OAC rules, as applicable.

(2) If the Director of Ohio EPA has issued a PTI modification for this emissions unit after the issuance date of this permit, the permittee shall comply with the requirements of OAC rule 3745-77-04(D) and OAC rule 3745-77-08(C) to incorporate PTI modifications into this permit. For a minor permit modification pursuant to OAC rule 3745-77-08(C)(1), compliance with the PTI terms and conditions and the proposed Title V terms and conditions submitted with the minor permit modification application will demonstrate compliance with the requirements of this Title V permit, unless the modifications are expressly prohibited by the terms of this permit. If the PTI modifications are prohibited by the terms and conditions of this permit, a Title V permit modification must be obtained before the operation of any new or modified emissions unit.

20. P019, Unit #81733 (P019)

Operations, Property and/or Equipment Description:

Caterpillar C9 ACERT 300 HP (2.10 MMBtu/hr) Tier 3 Diesel Stationary Reciprocating IC Engine (RICE) for 400 TPH Portable Soil/Stone Crusher (F016)

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3), as effective 11/30/01 [PTI P0107045, issued 11/29/2010]	PE and PM_{10} emissions shall not exceed 0.11 pound per hour and 0.31 TPY. SO_2 emissions shall not exceed 0.61 pound per hour and 1.91 TPY. NOx emissions shall not exceed 1.97 pounds per hour and 6.18 TPY. CO emissions shall not exceed 1.73 pounds per hour and 5.41 TPY. VOC emissions shall not exceed 0.76 pound per hour and 2.37 TPY. See b)(2)a.
b.	OAC rule 3745-31-05(A)(3)(a)(ii), as effective 12/01/06	See b)(2)b.
c.	OAC rule 3745-31-05(F)	See c)(2).
d.	OAC rule 3745-17-07(A)(1)	Visible particulate emissions from the stack serving this emissions unit shall not exceed 20 percent opacity as a six-minute average, except as provided by rule.
e.	OAC rule 3745-17-11(B)(5)(a)	PE from the engine exhaust shall not exceed 0.31 pound per MMBtu of actual heat input.
f.	OAC rule 3745-18-06(G)	Exempt pursuant to OAC rule 3745-18-06(B).
g.	OAC rule 3745-110-03	Exempt pursuant to OAC rules 3745-110-

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		02(A) and 3745-110-03(K)(3).
h.	40 CFR Part 60, Subpart IIII	Exempt, pursuant to 40 CFR 60.4200(a)(2)(i). Engine was manufactured before 4/1/2006.
i.	40 CFR Part 63, Subpart ZZZZ (40 CFR 63.6580-6675) *National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE)* [In accordance with 40 CFR 63.6585 and 63.6590, this emissions unit is a newnon-emergency compression ignition stationary RICE<500 HP located at a major source.]	The permittee shall comply with the applicable requirements of 40 CFR Part 60, Subpart IIII. [40 CFR 63.6590(c)]

(2) Additional Terms and Conditions

a. The permittee has satisfied the Best Available Technology (BAT) requirements pursuant to Ohio Administrative Code (OAC) paragraph 3745-31-05(A)(3), as effective November 30, 2001, in this permit. On December 1, 2006, paragraph (A)(3) of OAC rule 3745-31-05 was revised to conform to the Ohio Revised Code (ORC) changes effective August 3, 2006 (Senate Bill 265 changes), such that BAT is no longer required by State regulations for National Ambient Air Quality Standards (NAAQS) pollutant(s) less than ten tons per year. However, that rule revision has not yet been approved by U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revisions to OAC rule 3745-31-05, the requirement to satisfy BAT still exists as part of the federally-approved SIP for Ohio. Once U.S. EPA approves the December 1, 2006 version of OAC rule 3745-31-05, then these emission limitations/control measures no longer apply.

b. This rule paragraph applies once U.S. EPA approves the December 1, 2006 version of OAC rule 3745-31-05 as part of the State Implementation Plan:

The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to the PE, PM_{10}, SO_2, NOx, CO, and VOC emissions from this air contaminant source since the uncontrolled potential to emit for PE, PM_{10}, SO_2, NOx, CO and VOC is less than ten tons per year.

c) Operational Restrictions

(1) The permittee shall burn only No. 2 fuel oil or diesel fuel in this emissions unit.

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(A)(1)]

(2) The maximum annual usage of No. 2 fuel oil or diesel fuel burned in this emissions unit shall not exceed 93,300 gallons per year.

[Authority for term: OAC 3745-31-05(F), 3745-31-05(A)(3), and 3745-77-07(A)(1)]

d) Monitoring and/or Recordkeeping Requirements

(1) For each day during which the permittee burns a fuel other than No. 2 fuel oil or diesel fuel, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

(2) The permittee shall keep annual records of the amount of the amount of No. 2 fuel oil or diesel fuel burned in this emissions unit.

[Authority for term: OAC 3745-31-05(F), 3745-31-05(A)(3), and 3745-77-07(C)(1)]

(3) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install #P0107045, issued on November 29, 2010:d)(1) – d)(2). The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Permit to Install.

e) Reporting Requirements

(1) The permittee shall notify the Southwest Ohio Air Quality Agency in writing of any fuel burned in this emissions unit other than No. 2 fuel oil or diesel fuel. The notification shall include a copy of such record and shall be sent to the Southwest Ohio Air Quality Agency within 45 days after the deviation occurs.

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

(2) The permittee shall notify the Southwest Ohio Air Quality Agency in writing by January 31 of each year if the amount of fuel oil or diesel fuel burned in this emissions unit during the previous year exceeds the limitation specified in c)(2) of this permit.

[Authority for term: OAC 3745-31-05(A)(3), 3745-31-05(F), and 3745-77-07(C)(1)]

(3) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install #P0107045, issued on November 29, 2010: e)(1) – e)(2). The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

f) Testing Requirements

(1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

a. Emission Limitations:

PE and PM_{10} emissions shall not exceed 0.11 pound per hour and 0.31 TPY.

Applicable Compliance Method:

The hourly emission limitation is based upon the emissions unit's potential to emit and was established by multiplying the maximum rated heat input of 2.10 MMBtu/hr by the emission factor of 0.05 lb of PE/PM_{10}/MMBtu provided by the manufacturer specifications contained in PTI application A0040343, received 10/14/2010.

Compliance with the annual emission limitation may be demonstrated by multiplying the lb/MMBtu emission factor by the maximum rated heat input capacity of the emissions unit (in MMBtu/hr), multiplying by 6086 hours per year (93,300 gallons/year x 1 hour/15.33 gallons) and dividing by 2000 lbs/ton.

If required, the permittee shall demonstrate compliance with the hourly PE limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1-5.

If required, the permittee shall demonstrate compliance with the hourly filterable PM_{10} emission limitation through emission tests performed in accordance with 40 CFR Part 51, Appendix M, Method 201.

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

b. Emission Limitations:

NOx emissions shall not exceed 1.97 pounds per hour and 6.18 TPY.

Applicable Compliance Method:

The hourly emission limitation is based upon the emissions unit's potential to emit and was established by multiplying the maximum rated heat input of 2.10 MMBtu/hr by the emission factor of 0.94 lb of NOx/MMBtu provided by the manufacturer specifications contained in PTI application A0040343, received 10/14/2010.

Compliance with the annual emission limitation may be demonstrated by multiplying the lb/MMBtuemission factor by the maximum rated heat input capacity of the emissions unit (in MMBtu/hr), multiplying by 6086 hours per year (93,300 gallons/year x 1 hour/15.33 gallons) and dividing by 2000 lbs/ton.

If required, the permittee shall demonstrate compliance with the hourly NOx emission limitation through emission tests performed in accordance with Method 7 of 40 CFR Part 60, Appendix A.

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

c. Emission Limitations:

SO_2 emissions shall not exceed 0.61 pound per hour and 1.91 TPY.

Applicable Compliance Method:

The hourly emission limitation is based upon the emissions unit's potential to emit and was established by multiplying the maximum rated heat input of 2.10 MMBtu/hr by the emission factor of 0.29 lb of SO_2/MMBtu found in AP-42, Fifth Edition, Section 3.3, Table 3.3-1 (October, 1996).

Compliance with the annual emission limitation may be demonstrated by multiplying the lb/MMBtuemission factor by the maximum rated heat input capacity of the emissions unit (in MMBtu/hr), multiplying by 6086 hours per year (93,300 gallons/year x 1 hour/15.33 gallons) and dividing by 2000 lbs/ton.

If required, the permittee shall demonstrate compliance with the hourly SO_2 emission limitation through emission tests performed in accordance with Method 6 of 40 CFR Part 60, Appendix A.

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

d. Emission Limitations:

CO emissions shall not exceed 1.73 pounds per hour and 5.41 TPY.

Applicable Compliance Method:

The hourly emission limitation is based upon the emissions unit's potential to emit and was established by multiplying the maximum rated heat input of 2.10 MMBtu/hr by the emission factor of 0.82 lb of CO/MMBtu provided by the manufacturer specifications contained in PTI application A0040343, received 10/14/2010.

Compliance with the annual emission limitation may be demonstrated by multiplying the lb/MMBtuemission factor by the maximum rated heat input capacity of the emissions unit (in MMBtu/hr), multiplying by 6086 hours per year (93,300 gallons/year x 1 hour/15.33 gallons) and dividing by 2000 lbs/ton.

If required, the permittee shall demonstrate compliance with the hourly CO emission limitation through emission tests performed in accordance with Method 10 of 40 CFR Part 60, Appendix A.

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

e. Emission Limitations:

VOC emissions shall not exceed 0.76 pound per hour and 2.37 TPY.

Applicable Compliance Method:

The hourly emission limitation is based upon the emissions unit's potential to emit and was established by multiplying the maximum rated heat input of 2.10 MMBtu/hr by the emission factor of 0.36 lb of VOC/MMBtu found in AP-42, Fifth Edition, Section 3.3, Table 3.3-1 (October, 1996).

Compliance with the annual emission limitation may be demonstrated by multiplying the lb/MMBtuemission factor by the maximum rated heat input capacity of the emissions unit (in MMBtu/hr), multiplying by 6086 hours per year (93,300 gallons/year x 1 hour/15.33 gallons) and dividing by 2000 lbs/ton.

If required, the permittee shall demonstrate compliance with the hourly VOC emission limitation through emission tests performed in accordance with Method 25 of 40 CFR Part 60, Appendix A.

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

f. Emission Limitation:

PE from the engine exhaust shall not exceed 0.31 pound per MMBtu of actual heat input.

Applicable Compliance Method:

The PE limitation above is equivalent to the emissions unit's potential to emit based upon the US EPA uncontrolled emission factor from AP-42, Section 3.3, Table 3.3-1, dated 10/1996. All PE is assumed to be PM_{10} as footnoted in Table 3.3-1.

If required, compliance with this emission limitation shall be determined through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4, and Method 5.

[Authority for term: OAC 3745-17-11(B)(5) and 3745-77-07(C)(1)]

g. Emission Limitation:

Visible particulate emissions from the stack serving this emissions unit shall not exceed 20 percent opacity as a six-minute average, except as provided by rule.

Applicable Compliance Method:

Compliance with the stack visible particulate emissions limitation shall be determined through visible emissions observations performed in accordance with U.S. EPA Method 9.

No visible emissions observations are specifically required to demonstrate compliance with this emission limitation but, if appropriate, may be required pursuant to OAC rule 3745-15-04(A).

[Authority for term: OAC 3745-77-07(C)(1), 3745-17-07(A), and 3745-17-03(B)(1)(a)]

(2) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install #P0107045, issued on November 29, 2010: f)(1)a. through f)(1)g. The testing requirements contained in the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

g) Miscellaneous Requirements

(1) At the discretion and following the approval of the Director (the appropriate Ohio EPA District Office or local air agency), the permittee may relocate the portable source within the State of Ohio without first obtaining a permit-to-install and operate (PTIO) or a permit-to-install (PTI), providing the appropriate notification and exemption requirements have been met for portable emissions units as specified in OAC rule 3745-31-03(A)(1) or OAC rule 3745-31-05(H), and any subsequent revisions of these OAC rules, as applicable.

(2) If the Director of Ohio EPA has issued a PTI modification for this emissions unit after the issuance date of this permit, the permittee shall comply with the requirements of OAC rule 3745-77-04(D) and OAC rule 3745-77-08(C) to incorporate PTI modifications into this permit. For a minor permit modification pursuant to OAC rule 3745-77-08(C)(1), compliance with the PTI terms and conditions and the proposed Title V terms and conditions submitted with the minor permit modification application will demonstrate compliance with the requirements of this Title V permit, unless the modifications are expressly prohibited by the terms of this permit. If the PTI modifications are prohibited by the terms and conditions of this permit, a Title V permit modification must be obtained before the operation of any new or modified emissions unit.

21. P020, Unit #81734 (P020)

Operations, Property and/or Equipment Description:

John Deere 115 HP (0.81 MMBtu/hr) Diesel Stationary Reciprocating IC Engine (RICE) for 400 TPH Portable Soil/Stone Shredder Screener (F017)

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3), as effective 11/30/01 [PTI P0110218, issued 7/13/2012]	PE and PM_{10} emissions shall not exceed 0.25 pound per hour and 0.49 TPY. SO_2 emissions shall not exceed 0.23 pound per hour and 0.46 TPY. NOx emissions shall not exceed 3.55 pounds per hour and 7.03 TPY. CO emissions shall not exceed 0.76 pound per hour and 1.51 TPY. VOC emissions shall not exceed 0.29 pound per hour and 0.57 TPY. See b)(2)a. The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A) and OAC rule 3745-17-11(B).
b.	OAC rule 3745-31-05(A)(3)(a)(ii), as effective 12/01/06	See b)(2)b.
c.	OAC rule 3745-31-05(F)	See b)(2)c.
d.	OAC rule 3745-17-07(A)(1)	Visible particulate emissions from the stack serving this emissions unit shall not exceed 20 percent opacity as a six-minute average, except as provided by rule.
e.	OAC rule 3745-17-11(B)(5)(a)	PE from the engine exhaust shall not

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		exceed 0.31 pound per MMBtu of actual heat input.
f.	OAC rule 3745-18-06(G)	Exempt pursuant to OAC rule 3745-18-06(B).
g.	OAC rule 3745-110-03	Exempt pursuant to OAC rules 3745-110-02(A) and 3745-110-03(K)(3).
h.	40 CFR Part 63, Subpart ZZZZ (40 CFR 63.6580-6675) *National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE)* [In accordance with 40 CFR 63.6590 and 63.6675, this emissions unit is an existing non-emergency compression ignition RICE<500 HP.]	Comply with the emission limitations specified in b)(2)d. pursuant to Table 2c of Subpart ZZZZ. [40 CFR 63.6602] See b)(2)d. and c)(1).
i.	40 CFR Part 63.1-15 [40 CFR 63.6665]	Table 8 to 40 CFR Part 63, Subpart ZZZZ – Applicability of General Provisions (Subpart A) to Subpart ZZZZ shows which parts of the General Provisions in 40 CFR Part 63.1-15 apply.

(2) Additional Terms and Conditions

a. The permittee has satisfied the Best Available Technology (BAT) requirements pursuant to Ohio Administrative Code (OAC) paragraph 3745-31-05(A)(3), as effective November 30, 2001, in this permit. On December 1, 2006, paragraph (A)(3) of OAC rule 3745-31-05 was revised to conform to the Ohio Revised Code (ORC) changes effective August 3, 2006 (Senate Bill 265 changes), such that BAT is no longer required by State regulations for National Ambient Air Quality Standards (NAAQS) pollutant(s) less than ten tons per year. However, that rule revision has not yet been approved by U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revisions to OAC rule 3745-31-05, the requirement to satisfy BAT still exists as part of the federally-approved SIP for Ohio. Once U.S. EPA approves the December 1, 2006 version of OAC rule 3745-31-05, then these emission limitations/control measures no longer apply.

b. This rule paragraph applies once U.S. EPA approves the December 1, 2006 version of OAC rule 3745-31-05 as part of the State Implementation Plan:

The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to the PE, PM_{10}, SO_2, CO, and VOC emissions from this air contaminant source since the uncontrolled potential to emit for PE, PM_{10}, SO_2, CO, and VOC is less than ten tons per year.

c. Permit to Install #P0110218 for this air contaminant source takes into account the following voluntary restrictions as proposed by the permittee for the purpose of avoiding Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) for nitrogen oxides (NOx) emissions:

i. the permittee shall burn only No. 2 fuel oil or diesel fuel in this emissions unit, and

ii. the maximum annual usage ofNo. 2 fuel oil or diesel fuel burned in this emissions unit shall not exceed 22,600 gallons per year to ensure potential NOx emissions do not exceed 9.9 tons per year.

d. The permittee shall comply with the following requirements of 40 CFR Part 63, Subpart ZZZZ, Table 2c for existing non-emergency, non-black start stationary compression ignition (CI) RICE greater than or equal to 100 HP, and less than or equal to 300 HP:

i. Limit concentration of CO in the stationary RICE exhaust to 230ppmvd or less, at 15 percent O_2.

c) Operational Restrictions

(1) The permittee shall comply with the applicable requirements under 40 CFR Part 63, Subpart ZZZZ, including the following sections:

63.6605(a) and (b)	general duty to minimize emissions
63.6625(h)	minimize idle and startup time, not to exceed 30 minutes

[Authority for term: OAC 3745-77-07(A)(1) and 40 CFR Part 63, Subpart ZZZZ]

d) Monitoring and/or Recordkeeping Requirements

(1) For each day during which the permittee burns a fuel other than No. 2 fuel oil or diesel fuel, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

(2) The permittee shall keep annual records of the amount of No. 2 fuel oil or diesel fuel burned in this emissions unit.

[Authority for term: OAC 3745-31-05(A)(3), 3745-31-05(F), and 3745-77-07(C)(1)]

(3) The permittee shall comply with the applicable monitoring and record keeping requirements required under 40 CFR Part 63, Subpart ZZZZ, including the following sections:

63.6635	continuous compliance monitoring requirements
63.6655(a)	required overall records to be maintained
63.6655(d)	records required in accordance with Table 6 of Subpart ZZZZ to show continuous compliance
63.6660	record format and retention requirements

[Authority for term: OAC 3745-77-07(C)(1) and 40 CFR Part 63, Subpart ZZZZ]

(4) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install #P0110218, issued on July 13, 2012:d)(1) - d)(3). The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Permit to Install.

e) Reporting Requirements

(1) The permittee shall notify the Southwest Ohio Air Quality Agency in writing of any fuel burned in this emissions unit other than No. 2 fuel oil or diesel fuel. The notification shall include a copy of such record and shall be sent to the Southwest Ohio Air Quality Agency within 45 days after the deviation occurs.

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

(2) The permittee shall notify the Southwest Ohio Air Quality Agency in writing by January 31 of each year if the amount of No. 2 fuel oil or diesel fuel burned in this emissions unit during the previous year exceeds the limitation specified in b)(2)c. of this permit.

[Authority for term: OAC 3745-31-05(A)(3), 3745-31-05(F), and 3745-77-07(C)(1)]

(3) The permittee shall comply with the applicable reporting requirements required under 40 CFR Part 63, Subpart ZZZZ, including the following sections:

63.6630(c) and 63.6645	requirements for notification reports
63.6640(b) and (e)	submission of deviation reports
63.6650	submission of compliance reports in accordance with Table 7 of Subpart ZZZZ

63.6650(c) and (d)	content of compliance reports
63.6650(f)	Title V monitoring report allowance

[Authority for term: OAC 3745-77-07(C)(1) and 40 CFR Part 63, Subpart ZZZZ]

(4) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install #P0110218, issued on July 13, 2012: e)(1) – e)(3). The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

f) Testing Requirements

(1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

a. Emission Limitations:

PE and PM_{10} emissions shall not exceed 0.25 pound per hour and 0.49 TPY.

Applicable Compliance Method:

The hourly emission limitation is based upon the emissions unit's potential to emit and was established by multiplying the maximum rated heat input of 0.81 MMBtu/hr by the emission factor of 0.31 lb of PE/PM_{10}/MMBtu found in AP-42, Fifth Edition, Section 3.3, Table 3.3-1 (October, 1996).

Compliance with the annual emission limitation may be demonstrated by multiplying the lb/MMBtu emission factor by the maximum rated heat input capacity of the emissions unit (in MMBtu/hr), multiplying by 3748 hours per year (22,600 gallons/year x 1 hour/6.03 gallons) and dividing by 2000 lbs/ton.

If required, the permittee shall demonstrate compliance with the hourly PE limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1-5.

If required, the permittee shall demonstrate compliance with the hourly filterable PM_{10} emission limitation through emission tests performed in accordance with 40 CFR Part 51, Appendix M, Method 201.

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

b. Emission Limitations:

NOx emissions shall not exceed 3.55 pounds per hour and 7.03 TPY.

Applicable Compliance Method:

The hourly emission limitation is based upon the emissions unit's potential to emit and was established by multiplying the maximum rated heat input of 0.81 MMBtu/hr by the emission factor of 4.41 lb of NOx/MMBtu found in AP-42, Fifth Edition, Section 3.3, Table 3.3-1 (October, 1996).

Compliance with the annual emission limitation may be demonstrated by multiplying the lb/MMBtu emission factor by the maximum rated heat input capacity of the emissions unit (in MMBtu/hr), multiplying by 3748 hours per year (22,600 gallons/year x 1 hour/6.03 gallons) and dividing by 2000 lbs/ton.

If required, the permittee shall demonstrate compliance with the hourly NOx emission limitation through emission tests performed in accordance with Method 7 of 40 CFR Part 60, Appendix A.

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

c. Emission Limitations:

SO_2 emissions shall not exceed 0.23 pound per hour and 0.46 TPY.

Applicable Compliance Method:

The hourly emission limitation is based upon the emissions unit's potential to emit and was established by multiplying the maximum rated heat input of 0.81 MMBtu/hr by the emission factor of 0.29 lb of SO_2/MMBtu found in AP-42, Fifth Edition, Section 3.3, Table 3.3-1 (October, 1996).

Compliance with the annual emission limitation may be demonstrated by multiplying the lb/MMBtu emission factor by the maximum rated heat input capacity of the emissions unit (in MMBtu/hr), multiplying by 3748 hours per year (22,600 gallons/year x 1 hour/6.03 gallons) and dividing by 2000 lbs/ton.

If required, the permittee shall demonstrate compliance with the hourly SO_2 emission limitation through emission tests performed in accordance with Method 6 of 40 CFR Part 60, Appendix A.

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

d. Emission Limitations:

CO emissions shall not exceed 0.76 pound per hour and 1.51 TPY.

Applicable Compliance Method:

The hourly emission limitation is based upon the emissions unit's potential to emit and was established by multiplying the maximum rated heat input of 0.81 MMBtu/hr by the emission factor of 0.95 lb of CO/MMBtu found in AP-42, Fifth Edition, Section 3.3, Table 3.3-1 (October, 1996).

Compliance with the annual emission limitation may be demonstrated by multiplying the lb/MMBtu emission factor by the maximum rated heat input capacity of the emissions unit (in MMBtu/hr), multiplying by 3748 hours per year (22,600 gallons/year x 1 hour/6.03 gallons) and dividing by 2000 lbs/ton.

If required, the permittee shall demonstrate compliance with the hourly CO emission limitation through emission tests performed in accordance with Method 10 of 40 CFR Part 60, Appendix A.

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

e. Emission Limitations:

VOC emissions shall not exceed 0.29 pound per hour and 0.57 TPY.

Applicable Compliance Method:

The hourly emission limitation is based upon the emissions unit's potential to emit and was established by multiplying the maximum rated heat input of 0.81 MMBtu/hr by the emission factor of 0.36 lb of VOC/MMBtu found in AP-42, Fifth Edition, Section 3.3, Table 3.3-1 (October, 1996).

Compliance with the annual emission limitation may be demonstrated by multiplying the lb/MMBtu emission factor by the maximum rated heat input capacity of the emissions unit (in MMBtu/hr), multiplying by 3748 hours per year (22,600 gallons/year x 1 hour/6.03 gallons) and dividing by 2000 lbs/ton.

If required, the permittee shall demonstrate compliance with the hourly VOC emission limitation through emission tests performed in accordance with Method 25 of 40 CFR Part 60, Appendix A.

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

f. Emission Limitation:

PE from the engine exhaust shall not exceed 0.31 pound per MMBtu of actual heat input.

Applicable Compliance Method:

The PE limitation above is equivalent to the emissions unit's potential to emit based upon the US EPA uncontrolled emission factor from AP-42, Section 3.3, Table 3.3-1, dated 10/1996. All PE is assumed to be PM_{10} as footnoted in Table 3.3-1.

If required, compliance with this emission limitation shall be determined through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4, and Method 5.

[Authority for term: OAC 3745-17-11(B)(5), 3745-31-05(A)(3), and 3745-77-07(C)(1)]

g. Emission Limitation:

Visible particulate emissions from the stack serving this emissions unit shall not exceed 20 percent opacity as a six-minute average, except as provided by rule.

Applicable Compliance Method:

Compliance with the stack visible particulate emissions limitation shall be determined through visible emissions observations performed in accordance with U.S. EPA Method 9.

No visible emissions observations are specifically required to demonstrate compliance with this emission limitation but, if appropriate, may be required pursuant to OAC rule 3745-15-04(A).

[Authority for term: OAC 3745-77-07(C)(1), 3745-31-05(A)(3), 3745-17-07(A), and 3745-17-03(B)(1)(a)]

h. Emission Limitations:

The concentration of CO in the stationary RICE exhaust shall be limited to 230 ppmvd or less at 15 percent O_2.

Applicable Compliance Method:

The permittee shall demonstrate continuous compliance with the above emission limitation in accordance with the performance testing, monitoring, and record keeping requirements pursuant to 40 CFR Part 63, Subpart ZZZZ and d)(3) and f)(2) of this permit.

[Authority for term: OAC 3745-77-07(C)(1) and 40 CFR Part 63, Subpart ZZZZ]

(2) The permittee shall comply with the applicable testing requirements required under 40 CFR Part 63, Subpart ZZZZ, including the following sections:

63.6612 and Table 5	initial compliance demonstration requirements
63.6620 and Table 4	performance test requirements and test methods
63.6645(g)	notification of intent to conduct performance test
63.6605, 63.6640	continuous compliance demonstration requirements

[Authority for term: OAC 3745-77-07(C)(1) and 40 CFR Part 63, Subpart ZZZZ]

(3) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install #P0110218, issued on July 13, 2012:f)(1) - f)(2). The testing requirements contained in the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

g) Miscellaneous Requirements

(1) At the discretion and following the approval of the Director (the appropriate Ohio EPA District Office or local air agency), the permittee may relocate the portable source within the State of Ohio without first obtaining a permit-to-install and operate (PTIO) or a permit-to-install (PTI), providing the appropriate notification and exemption requirements have been met for portable emissions units as specified in OAC rule 3745-31-03(A)(1) or OAC rule 3745-31-05(H), and any subsequent revisions of these OAC rules, as applicable.

(2) If the Director of Ohio EPA has issued a PTI modification for this emissions unit after the issuance date of this permit, the permittee shall comply with the requirements of OAC rule 3745-77-04(D) and OAC rule 3745-77-08(C) to incorporate PTI modifications into this permit. For a minor permit modification pursuant to OAC rule 3745-77-08(C)(1), compliance with the PTI terms and conditions and the proposed Title V terms and conditions submitted with the minor permit modification application will demonstrate compliance with the requirements of this Title V permit, unless the modifications are expressly prohibited by the terms of this permit. If the PTI modifications are prohibited by the terms and conditions of this permit, a Title V permit modification must be obtained before the operation of any new or modified emissions unit.

22. P902, Solid Waste Landfilling and LFG Generation and Control

Operations, Property and/or Equipment Description:

solid waste disposal, landfill gas generation and control

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3) [PTI P0112732, issued 9/24/2013]	<u>Emissions under the New Gas Recovery Plants (Plants 3 and 4) Option (stack emissions) shall not exceed the following:</u> CO emissions shall not exceed 48.18 pounds per hour and 211.03 TPY;* PE shall not exceed 2.75 pounds per hour and 12.04 TPY; and PM_{10} emissions shall not exceed 2.75 pounds per hour and 12.04 TPY.* <u>Emissions under the NSPSEnclosed Combustors Option (stack emissions) shall not exceed the following:</u> CO emissions shall not exceed 95.4 pounds per hour; PE shall not exceed 7.3 pounds per hour; and PM_{10} emissions shall not exceed 7.3 pounds per hour. <u>Emissions under the New Utility Flares Option (stack emissions) shall not exceed the following:</u> CO emissions shall not exceed 123.44

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		pounds per hour; PE shall not exceed 7.3 pounds per hour; and PM_{10} emissions shall not exceed 7.3 pounds per hour. <u>Annual emissions under the New Combined Control Devices Option (stack emissions) shall not exceed the following:</u> NMOC emissions shall not exceed 16.79 TPY; CO emissions shall not exceed 417.91 TPY;* PE shall not exceed 31.87 TPY; PM_{10} emissions shall not exceed 31.87 TPY;* NOx emissions shall not exceed 113.83 TPY;* SO_2 emissions shall not exceed 29.3 TPY; Hydrogen chloride (HCl) emissions shall not exceed 45.18 TPY; Hydrogen fluoride (HF) emissions shall not exceed 7.28 TPY; Fluorotrichloromethane (CFC-11) emissions shall not exceed 0.02 TPY;* Dichlorodifluoromethane (CFC-12) emissions shall not exceed 0.37 TPY;* and Methane emissions shall not exceed 1563 TPY. <u>If the New Gas Recovery Plants (Plants 3 and 4) Option is used by itself, or in conjunction with any other option, then the emissions from the New Gas Recovery Plants (Plants 3 and 4 stack</u>

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		emissions) shall not exceed the following: CO emissions shall not exceed 211.03 TPY;* PE shall not exceed 12.04 TPY; and PM_{10} emissions shall not exceed 12.04 TPY.* Emissions under the NSPS Enclosed Combustors Option, New Gas Recovery Plants (Plants 3 and 4) Option, or the New Utility Flares Option (stack emissions) shall not exceed the following: NMOC emissions shall not exceed 3.83 pounds per hour; NOx emissions shall not exceed 26.0 pounds per hour; SO_2 emissions shall not exceed 6.7 pounds per hour; HCl emissions shall not exceed 10.3 pounds per hour; and HF emissions shall not exceed 1.7 pounds per hour. Emissions from the Existing Gas Recovery Plants (Plants 1 and 2 stack emissions) shall not exceed the following: NMOC emissions shall not exceed 8.50 pounds per hour and 34.65 TPY; CO emissions shall not exceed 14.75pounds per hour and 40.96 TPY; PE emissions shall not exceed 4.49 pounds per hour and 11.94 TPY; PM_{10} emissions shall not exceed 4.49 pounds per hour and 11.94 TPY; NOx emissions shall not exceed 6.44pounds per hour and 8.15 TPY; SO_2 emissions shall not exceed 3.42 pounds per hour and 7.11 TPY;

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		Methane emissions shall not exceed 599 TPY; HCl emissions shall not exceed 25.62 TPY; and HF emissions shall not exceed 3.28 TPY. <u>Fugitive (non-stack) emissions from this emissions unit shall not exceed the following:</u> NMOC emissions shall not exceed 745.70 TPY; CO emissions shall not exceed 34.18 TPY; PE emissions shall not exceed 0.56 TPY; PM_{10} emissions shall not exceed 0.27 TPY; Methane emissions shall not exceed 28,588 TPY, excluding the vertical and southern expansion; Methane emissions shall not exceed 45,029 TPY, from both the vertical and southern expansion; Hydrogen sulfide (H_2S) emissions shall not exceed 10.47 TPY; CFC-11 emissions shall not exceed 0.90 TPY; and CFC-12 emissions shall not exceed 16.43 TPY. See b)(2)f., b)(2)g., b)(2)h., b)(2)i., c)(1), c)(9) and c)(10). The requirements of this rule also include compliance with the requirements of OAC Chapter 3745-20, OAC rules 3745-31-11 through 3745-31-20, and 40 CFR Part 60, Subpart WWW, 40 CFR Part 61, Subpart M, and 40 CFR Part 63, Subpart AAAA.
b.	OAC rules 3745-31-11 through 3745-31-20	The pollutant emission limitations asterisked above are subject to the

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
	Prevention of Significant Deterioration (PSD)	requirements of these rules.
c.	OAC rule 3745-17-07(B)	Exempt. See b)(2)n.
d.	OAC rule 3745-17-08(B)	Exempt. See b)(2)o.
e.	40 CFR Part 60, Subpart WWW [40 CFR 60.750-759] *Standards of Performance for Municipal Solid Waste (MSW) Landfills* [In accordance with 60.750, 60.751, and 60.752, this emissions unit is a MSW landfill that commenced modification on or after May 30, 1991, with a design capacity greater than 2.5 megagrams and 2.5 million cubic meters.]	See b)(2)a., b)(2)b., b)(2)c., b)(2)e., b)(2)k., c)(2) and c)(3).
f.	40 CFR Part 61, Subparts A and M and OAC Chapter 3745-20 *Emission Standards for Asbestos*	See b)(2)l., b)(2)m., b)(2)q., and c)(5) through c)(7).
g.	40 CFR Part 63, Subpart AAAA [40 CFR 63.1930-1990] *National Emission Standards for Hazardous Air Pollutants: Municipal Solid Waste Landfills* [In accordance with 63.1935 and 63.1940, this emissions unit is an existing affected MSW landfill.]	The permittee shall comply with the requirements of 40 CFR Part 60, Subpart WWW. [40 CFR 63.1955(a)(1)] See b)(2)d. and c)(4).
h.	40 CFR 63.1-15 [40 CFR 63.1930-1990]	Table 1 to Subpart AAAA of Part 63 – Applicability of General Provisions to Subpart AAAA shows which parts of the General Provisions in 40 CFR 63.1-15 apply.

(2) Additional Terms and Conditions

a. The permittee shall comply with the applicable collection and control system requirements under 40 CFR Part 60, Subpart WWW, including the following sections:

60.752(b)(2)(i)	Collection and control system design plan requirements
60.759(a) - (c)	Specifications for active collection systems
60.752(b)(2)(ii)	Collection and control system installation
60.752(b)(2)(ii)(A)(1) through (4)	Active collection system requirements
60.752(b)(2)(iii)	Route all collected gas to a control system [see b)(2)b. below]
60.752(b)(2)(iv)	Operation of the collection and control device(s) in accordance with 60.753, 60.755, and 60.756.
60.752(b)(2)(v)(A) through (C)	Provisions for capping or removal of collection and control system

b. Pursuant to 60.752(b)(2)(iii), the permittee shall route all the collected gas to a control system that complies with the requirements in either i., ii., or iii. below:

i. An open flare designed and operated in accordance with 40 CFR 60.18 except as noted in 60.754(e);

ii. A control system designed and operated to reduce NMOC by 98 weight-percent, or, when an enclosed combustion device is used for control to either reduce NMOC by 98 weight-percent or reduce the outlet NMOC concentration to less than 20 parts per million (ppm) by volume, dry basis as hexane at 3 percent oxygen. The reduction efficiency or ppm by volume shall be established by an initial performance test to be completed no later than 180 days after the initial startup of the approved control system using test methods specified in 60.754(d);

(a) If a boiler or process heater is used as the control device, the landfill gas stream shall be introduced into the flame zone.

(b) The control device shall be operated within the parameter ranges established during the initial or most recent performance test. The operating parameters to be monitored are specified in 60.756.

iii. A treatment system that processes the collected gas for subsequent sale or use. All emissions from any atmospheric vent from the gas treatment system shall be subject to the requirements of 60.752(b)(2)(iii)(A) or (B).

c. There shall be no visible emissions from an open flare, except for periods not to exceed 5 minutes during any 2 consecutive hours, as outlined in 40 CFR 60.18.

d. The permittee shall comply with the applicable requirements under 40 CFR Part 60, Subpart AAAA, including the following sections:

63.1955(b)	Requirements for sources with collection and control system(s)

e. The equipment that constitutes the gas collection and control system shall be properly maintained and kept in good operating condition at all times.

f. For all waste handling materials, except asbestos-containing materials:

   i. Visible emissions of fugitive dust shall not exceed 20% opacity, as a 3-minute average.

   ii. Use of reasonably available control measures, to minimize or eliminate the emissions of fugitive dust.

g. For Asbestos-Containing Material (ACM):

   i. There shall be no visible emissions from asbestos-containing waste materials during on-site transportation, transfer, unloading, deposition or compacting operations.

   ii. Use of handling procedures and control measures, to prevent the emissions of fugitive dust.

h. Visible particulate emissions from the stacks serving the existing gas recovery plants (Plants 1 and 2) shall not exceed 10% opacity, as a 6-minute average.

   Visible particulate emissions from the stacks serving the new gas recovery plants (Plants 3 and 4) shall not exceed 20% opacity, as a 6-minute average.

i. Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by the visible particulate emission limitations, a properly designed and operated landfill gas collection system and a control system capable of reducing NMOC in the collected gas by 98% or an outlet concentration of 20 ppmv hexane at 3% oxygen, reasonable available control measures to minimize or eliminate emissions of fugitive dust from solid waste disposal operations, compliance with 40 CFR Part 60, Subpart WWW, 40 CFR Part 61, Subpart M, and 40 CFR Part 63, Subpart AAAA.

j. The hourly emission limitations are based upon the emissions unit's potential to emit. Therefore, no additional monitoring, record keeping or reporting requirements are required to demonstrate compliance with these emission limitations.

k. The application and enforcement of the provisions of the New Source Performance Standards (NSPS), as promulgated by the United States Environmental Protection Agency, 40 CFR Part 60, are delegated to the Ohio Environmental Protection Agency. The requirements of 40 CFR Part 60 are also federally enforceable.

l. The application and enforcement of the provisions of the National Emission Standards for Hazardous Air Pollutants (NESHAP), as promulgated by the United States Environmental Protection Agency, 40 CFR Part 61, are delegated to the Ohio Environmental Protection Agency. The requirements of 40 CFR Part 61 are also federally enforceable.

m. The facility can accept for disposal any regulated asbestos-containing material as defined in the National Emission Standards for Hazardous Air Pollutants (NESHAP) for Asbestos, 40 CFR Part 61, Subpart M, Section 141; and/or in Chapter 20 of the Ohio Administrative Code for Asbestos Emission Control, OAC 3745-20-01(B); or in any subsequent revisions to either rule. Regulated asbestos-containing material is defined to include:

i. friable asbestos material;

ii. Category I nonfriable asbestos-containing material that has become friable;

iii. Category I nonfriable asbestos-containing material that will be or has been subjected to sanding, grinding, cutting, or abrading; or

iv. Category II nonfriable asbestos-containing material that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition or renovation operations regulated by this subpart.

n. This emissions unit is exempt from the visible emissions limitations for fugitive dust, specified in OAC rule 3745-17-07(B), pursuant to OAC rule 3745-17-07(B)(11)(e), because the emissions unit is not located within areas identified in "Appendix A" of OAC rule 3745-17-08. However, the permittee shall comply with the more stringent fugitive dust requirements established pursuant to OAC rule 3745-31-05(A)(3) and b)(2)f. and b)(2)g. of this permit.

o. This emissions unit is not located within areas identified in "Appendix A" of OAC rule 3745-17-08, therefore, the requirements of OAC rule 3745-17-08(B) do not apply to this emissions unit pursuant to OAC rule 3745-17-08(A)(1).However, the permittee shall comply with the more stringent fugitive dust requirements established pursuant to OAC rule 3745-31-05(A)(3) and b)(2)f. and b)(2)g. of this permit.

p. Pursuant to the authority in ORC section 3704.03(L), any representative of the Director may, upon presentation of proper identification, enter at any reasonable time upon any portion of the property where this landfill is located, including any improvements thereon, to make inspections; take samples; conduct tests; examine records or reports pertaining to any emissions of air contaminants; and inspect monitoring equipment, emissions control equipment, and/or methods of operation and gas sampling. No operator or agent of this landfill shall act in any manner to refuse, hinder, or thwart this legal right of entry.

[Authority for term: OAC 3745-77-07(C)(2) and ORC 3704.03(L)]

q. If this landfill is permanently closed, the permittee shall comply with all of the applicable provisions of OAC rule 3745-20-07.

[Authority for term: OAC 3745-20-07(D) and 3745-77-07(C)(1)]

c) Operational Restrictions

(1) The maximum annual gas throughput for the off-spec gas flare (serving Plants 1 and 2) shall not exceed 67.64 million standard cubic feet (SCF).

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(A)(1)]

(2) Whenever any enclosed combustor(s)are in operation, the average combustion temperature for any 3-hour block of time shall be no more than 82.4 degrees Fahrenheit (28 degrees Celsius) below the average temperature during the most recent test which demonstrated compliance with b)(2)b.

[Authority for term: OAC 3745-31-05(A)(3), 3745-77-07(A)(1), and 40 CFR Part 60, Subpart WWW]

(3) The permittee shall comply with the applicable requirements under 40 CFR Part 60, Subpart WWW, including the following sections:

60.752(b)(2)(iii)(A) and 60.18(c)(1) – (6), 60.18(d) and (e)	Flare specifications, design, and operating requirements
60.753(a)	Scope and required time period(s) for gas collection system
60.753(b)	Collection system requirements for operation under negative pressure at each wellhead.
60.753(c)	Collection system requirements for operation of each interior wellhead with a landfill gas temperature less than 55 degrees Celsius, and with a nitrogen level less than 20 percent or an oxygen level less than 5 percent, unless a higher operating value established.
60.753(d)	Collection system operating requirements to maintain a methane concentration less than 500 ppm above background at the surface of the landfill.
60.753(e) and (f)	Overall collection and control system operating and shutdown requirements
60.753(g)	Corrective action requirements
60.755(a)(2)	Sufficient density of gas collectors
60.755(b)	Well placement requirements and timing
60.755(e)	Startup, shutdown, and malfunction provisions and time period limitations

[Authority for term: OAC 3745-31-05(A)(3), 3745-77-07(A)(1), and 40 CFR Part 60, Subpart A and WWW]

(4) The permittee shall comply with the applicable requirements under 40 CFR Part 63, Subpart AAAA, including the following sections:

63.1960	General and continuing compliance requirements, including requirements for written startup, shutdown, and malfunction (SSM) plan

[Authority for term: OAC 3745-31-05(A)(3), 3745-77-07(A)(1), and 40 CFR Part 63, Subpart AAAA]

(5) Disposal Requirements for ACM:

a. The permittee shall develop, implement, and maintain an "Asbestos Disposal Operating Procedure and Spill Contingency Plan" consisting of:

i. authorized personnel training;

ii. inspection and disposal operating procedures;

iii. non-conforming load response procedures;

iv. inventory and maintenance procedures for safety and emissions control equipment;

v. record keeping procedures; and

vi. emergency notification procedures.

Authorized personnel shall be knowledgeable in the procedures, and the Plan shall be available for inspection at this facility at all times. Emissions control equipment shall be available for wetting and containing asbestos in the event of a release or non-conforming load disposal. All equipment required to implement the "Asbestos Disposal Operating Procedure and Spill Contingency Plan" shall be maintained in accordance with good engineering practices to ensure that the equipment is in a ready-to-use condition and in an appropriate location for use.

b. There shall be no visible emissions from ACM during on-site transportation, transfer, unloading, deposition or compacting operations.

c. Deposition and burial operations shall be conducted in a careful manner that prevents asbestos-containing waste materials from being broken up or dispersed before the materials are buried.

d. The permittee shall inspect each load of ACM delivered to the facility. The inspection shall consist of a visual examination to ensure that each shipment of ACM is received in intact, leak-tight containers labeled with appropriate hazard warning labels, the name of the waste generator, and the location of waste generation. The inspection also shall determine whether the waste shipment records accompany the consignment and accurately describe the waste material and quantity.

If on the basis of the inspection, the waste material is found to be improperly received, the load shall be disposed of in accordance with the procedures in the "Asbestos Spill Contingency Plan," and the discrepancy shall be noted on the waste shipment record.

[Authority for term: OAC 3745-31-05(A)(3), 3745-77-07(A)(1), 3745-20, and 40 CFR Part 61]

(6) During the unloading, deposition, burial, and initial compaction of asbestos-containing waste materials, the owner or operator of the active waste disposal site shall establish a restricted area adequate to deter the unauthorized entry of the general public and any unauthorized personnel from any location within one hundred feet of the operations. The following information shall be displayed on a sign not less than twenty by fourteen inches, so that it is visible at all entrances and at intervals of three hundred feet or less either along the property line of the facility or along the fencing immediately surrounding the restricted area(s). The signs shall use letter sizes and styles of a visibility at least equal to the following specifications:

Legend:

ASBESTOS WASTE DISPOSAL SITE 2.5 cm (1 inch) Sans Serif, Gothic or Block

DO NOT CREATE DUST 2.5 cm (1 inch) Sans Serif, Gothic, or Block

BREATHING ASBESTOS IS 1.9 cm (3/4 inch) Sans Serif, Gothic, or Block

HAZARDOUS TO YOUR HEALTH 14 Point Gothic

Spacing between any two lines must be at least equal to the height of the upper two lines.

[Authority for term: OAC 3745-31-05(A)(3), 3745-77-07(A)(1), 3745-20, and 40 CFR Part 61]

(7) The permittee shall cover and compact asbestos wastes in accordance with the following requirements:

a. As soon as practical after the placement of asbestos, but no later than the end of each working day, the asbestos-containing waste materials deposited at the site during the operating day shall be covered with at least 12 inches of non-asbestos-containing materials. Once the asbestos-containing waste materials are covered, the area shall be compacted.

b. Care shall be taken to ensure that disposed asbestos shall not be re-excavated in subsequent operations. Any accidentally exposed material shall be immediately recovered in accordance with the provisions of this permit.

c. Asbestos-containing waste materials shall be separated from the landfill final grade by no less than 24 inches of compacted non-asbestos-containing materials or by at least 6 inches of compacted non-asbestos-containing materials with a permanent cover of vegetation over the area.

[Authority for term: OAC 3745-31-05(A)(3), 3745-77-07(A)(1),3745-20, and 40 CFR Part 61]

(8) There shall be no open burning in violation of OAC Chapter 3745-19.

[Authority for term: OAC 3745-31-05(A)(3), 3745-19, and 3745-77-07(A)(1)]

(9) The maximum amount of solidwasteas defined in OAC rule 3745-27-01(S)(23) [excluding composting raw material and unprocessed and/or shredded tires] received dailyshall not exceed 10,000tons. This daily limit may be exceeded if approved in writing by the Director of Ohio EPA.

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(A)(1)]

(10) The permittee shall ensure that solid wastes are deposited, spread and compacted in such a manner as to minimize or prevent visible emissions of dust. All truckloads of solid waste shall be unloaded in a manner which will minimize the drop height of the solid wastes. Any dusty materials or wastes likely to become airborne shall be watered as necessary prior to or during dumping operations in order to minimize or eliminate visible emissions of fugitive dust. Watering shall be conducted in such a manner as to avoid the pooling of liquids and runoff. No dusty material shall be dumped during periods of high wind speed, unless the material has been treated to prevent fugitive dust emissions from becoming airborne.

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(A)(1)]

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall operate and maintain a continuous gas flow monitor and recorder which measures and records the total gas flow to the off-spec gas flare (serving Plants 1 and 2) when the emissions unit is in operation. The gas flow monitor and recorder shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manuals. The permittee shall collect and record the total volume of gas sent to the off-spec gas flare, in million scf, on an annual basis.

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(A)(1)]

(2) The permittee shall comply with the applicable monitoring and record keeping requirements under 40 CFR Part 60, Subpart WWW, including the following sections:

60.753(g)	Overall monitoring and corrective action requirements
60.755(a)(1)(i) – (iii)	Determination of maximum expected gas generation flow rate
60.755(a)(3) - (4)	Monthly gauge pressure monitoring and corrective action requirements
60.755(a)(5)	Monthly well temperature and nitrogen or oxygen monitoring and corrective action requirements
60.755(c)(1) - (4) and 60.756(f)	Procedures for surface methane quarterly monitoring and corrective actions
60.755(c)(5)	Monthly monitoring program for cover integrity and repair

60.755(d)	Specifications and procedures for surface methane monitoring devices
60.756(a)	Requirements for installation of sampling ports, temperature measurement, and monthly monitoring
60.756(b)(1)	Requirements for enclosed combustor continuous temperature monitoring device. Also see d)(3) below.
60.756(b)(2)	Requirements for enclosed combustor gas flow or bypass monitoring device.
60.756(c)(1)	Requirements for open flare heat sensing device to indicate presence of flame. Also see d)(5) below.
60.756(c)(2)	Requirements for flare gas flow or bypass monitoring device.
60.758(a)	Record keeping requirements for design capacity report, amount of solid waste in-place, and year-by-year waste acceptance rate.
60.758(b)	Record keeping requirements for control equipment
60.758(b)(1)	Record keeping requirements for gas generation flow rate and density of wells, horizontal collectors, surface collectors, and other gas extraction devices
60.758(b)(2)	Record keeping requirements for temperature and NMOC percent reduction of enclosed combustion device(s). Also see d)(3) below.
60.758(b)(4)	Record keeping requirements for open flare(s). Also see d)(4) and d)(5) below.
60.758(c)	Record keeping requirements for equipment operating parameters
60.758(c)(1)	Record keeping requirements for combustion temperature exceedances. Also see d)(3) below.
60.758(c)(2)	Record keeping requirements for gas flow or bypass
60.758(c)(4)	Record keeping requirements for open flare operation without flame or flare pilot flame. Also see d)(5) below.
60.758(d)	Record keeping requirements for plot map of collection system
60.758(d)(1)	Record keeping requirements for installation date and location of collectors
60.758(d)(2)	Record keeping requirements for ACM/nondegradable waste and nonproductive areas excluded from collection
60.758(e)	Record keeping requirements for exceedances of operational standards in 60.753

[Authority for term: OAC 3745-31-05(A)(3), 3745-77-07(C)(1), and 40 CFR Part 60, Subpart WWW]

(3) The permittee shall collect and record the following information for each day:

a. all 3-hour blocks of time during which the average combustion temperature within any enclosed combustor, when the emissions unit was in operation, was more than 82.4 degrees Fahrenheit (28 degrees Celsius) below the average temperature during the most recent test which demonstrated compliance with b)(2)b.; and

b. a log of the downtime for the capture (collection) system, control device and monitoring equipment when the associated emissions unit was in operation.

[Authority for term: OAC 3745-31-05(A)(3), 3745-77-07(C)(1), and 40 CFR Part 60, Subpart WWW]

(4) The permittee shall perform daily inspections to check for the presence of visible emissions from the open flare when the open flare is in operation during daylight hours. The results of this inspection shall be collected and recorded in a log book along with the corrective actions taken to eliminate any visible emissions.

[Authority for term: OAC 3745-31-05(A)(3), 3745-77-07(C)(1), and 40 CFR Part 60.18]

(5) The permittee shall collect and record the following information for each day:

a. all periods during which there was no pilot flame or flare flame, when the emissions unit was in operation; and

b. the downtime for the flare and monitoring equipment when the collection and control system was in operation.

[Authority for term: OAC 3745-31-05(A)(3), 3745-77-07(C)(1), and 40 CFR Part 60, Subpart WWW]

(6) The permittee shall comply with the applicable monitoring and record keeping requirements under 40 CFR Part 63, Subpart AAAA, including the following sections:

63.1975	Requirements for computation of 3-hour block averages, excluding listed events
63.1980(a)	Record keeping requirements as specified in 40 CFR Part 60, Subpart WWW
63.1980(b)	Record keeping requirements as specified in 40 CFR Part 60, Subpart A and Table 1 of Subpart AAAA, including SSM plans

[Authority for term: OAC 3745-31-05(A)(3), 3745-77-07(C)(1), and 40 CFR Part 63, Subpart AAAA]

(7) Except as otherwise provided in this section, the permittee shall perform inspections of the landfill operation areas, including waste handling and ACM handling operations, for visible emissions of fugitive dust in accordance with the following frequencies:

<u>landfill areasminimum inspection frequency</u>

all landfill areas once daily during normal operation

The purpose of the inspections is to determine the need for implementing the above-mentioned control measures for fugitive dust emissions. The inspections shall be performed during representative, normal operating conditions. No inspection shall be necessary for a landfill operating 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. 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 1 week.

The permittee may, upon receipt of written approval from the Southwest Ohio Air Quality Agency, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.

[Authority for term: OAC 3745-31-05(A)(3), 3745-77-07(C)(1), 3745-20, and 40 CFR Part 61]

(8) The permittee shall maintain records of the following information:

a. the date and reason any required asbestos and/or non-asbestos material handling inspection in d)(7) 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.

[Authority for term: OAC 3745-31-05(A)(3), 3745-77-07(C)(1), 3745-20, and 40 CFR Part 61]

(9) The permittee shall maintain a record of the inspection required in c)(5)d. for each load of asbestos-containing material delivered to the facility. These records shall be maintained for a period of 5 years.

[Authority for term: OAC 3745-31-05(A)(3), 3745-77-07(C)(1), 3745-20, and 40 CFR Part 61]

(10) The permittee shall maintain a permanent record of the location, depth and area, and quantity in cubic yards of all asbestos-containing waste materials within the disposal site, on a map or a diagram of the disposal area.

[Authority for term: OAC 3745-31-05(A)(3), 3745-77-07(C)(1), 3745-20, and 40 CFR Part 61]

(11) The permittee shall require that all asbestos waste shipments received be accompanied by a waste shipment record. The waste shipment records shall include the following information:

a. the name of the work site or facility where the asbestos-containing waste was generated and the mailing address and telephone number of the facility owner;

b. the name, mailing address and telephone number of the owner or operator (waste generator) responsible for handling, packing, marking, and labeling the asbestos-containing waste material;

c. active waste disposal site designated by the generator to receive the asbestos-containing waste material for disposal;

d. the name and address of the local, state or U.S. EPA regional agency responsible for administering the National Emission Standards for Hazardous Air Pollutants (NESHAP) program for asbestos;

e. a description of the asbestos-containing waste materials included in the waste shipment;

f. the number and type of containers included in the waste shipment;

g. the approximate volume of asbestos-containing waste material included in the waste shipment, in cubic yards;

h. special handling instructions or additional information relative to the waste shipment the waste generator may specify;

i. a certification that the contents of this consignment are fully and accurately described by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations;

j. the name, address and phone number of the transporter;

k. a signature by the transporter, to acknowledge receipt of the asbestos-containing waste shipment, described by the waste generator for the conditions recorded on the waste shipment record;

l. a discrepancy indication space to be completed by the transporter or waste shipment owner or operator if any improperly contained asbestos waste is observed or if there is any discrepancy in the quantity of asbestos shipped and the quantity of asbestos waste received at the asbestos waste disposal site;

m. the name and telephone number of the disposal site operator;

n. a signature by the waste disposal site operator to acknowledge receipt of the asbestos-containing waste shipment described by the waste generator in the conditions above, except as noted in the discrepancy indication space; and

o. the date of receipt of the asbestos-containing waste.

Significant amounts of improperly contained waste shall be reported in writing to the appropriate Ohio EPA District Office or local air agency by the following working day. The report shall include a copy of the waste shipment record. The waste shipment record forms shall be retained at the facility for 5 years, and shall be made available for inspection upon request.

[Authority for term: OAC 3745-31-05(A)(3), 3745-77-07(C)(1), 3745-20, and 40 CFR Part 61]

(12) The permittee shall maintain daily records of the amount of solidwaste [i.e., as defined in OAC 3745-27-01(S)(23) andexcluding composting raw material and unprocessed and/or shredded tires] received.

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

(13) The permittee shall maintain an annual record which documents the control systems which were employed to control the landfill gas emissions during the previous calendar year.

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

(14) The permittee shall maintain records which document the annual CO, PE, PM_{10}, NOx, SO_2, HCl, H_2S, methane, CFC-11, and CFC-12 emissions for this emissions unit.

[Authority for term: OAC 3745-31-05(A)(3), 3745-31-11 through 20, and 3745-77-07(C)(1)]

(15) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install #P0112732, issued on September 24, 2013:d)(1) through d)(14). The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Permit to Install.

e) Reporting Requirements

(1) In the event of a potential emergency, such as a fire within the landfill, wells affected may be temporarily shut off, which could result in a positive gauge pressure. The Southwest Ohio Air Quality Agency shall be notified within 1 working day of any shutdowns of any wells due to emergency only.

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

(2) The permittee shall comply with the applicable reporting requirements under 40 CFR Part 60, Subpart WWW, including the following sections:

60.757(a)(1) – (3)	Initial design capacity report requirements
60.757(b)(3)	NMOC reporting exemption for collection and control systems
60.757(c)	Collection and control system design plan submission requirements
60.757(d)	Landfill closure reporting requirements
60.757(e)(1) – (2)	Equipment removal reporting requirements
60.757(f)	Annual reporting requirements [also see e)(4) below]
60.757(g)	Initial performance test reporting requirements

[Authority for term: OAC 3745-31-05(A)(3), 3745-77-07(C)(1), and 40 CFR Part 60, Subpart WWW]

(3) The permittee shall comply with the applicable reporting requirements under 40 CFR Part 63, Subpart AAAA, including the following sections:

63.1965	Deviation definition and requirements
63.1980(a)	Reporting requirements as specified in 40 CFR Part 60, Subpart WWW; except that annual report described under 60.757(f) above must be submitted every 6 months
63.1980(b)	Reporting requirements as specified in 40 CFR Part 60, Subpart A and Table 1 of Subpart AAAA, including SSM plan reports

[Authority for term: OAC 3745-31-05(A)(3), 3745-77-07(C)(1), and 40 CFR Part 63, Subpart AAAA]

(4) The permittee shall submit quarterly deviation (excursion) reports that include the following information:

a. an identification of each month during which the gauge pressure in the gas collection header at each individual well gave a positive pressure reading, the actual gauge pressure reading for each such month, and the length of time of the exceedance;

b. an identification of each 3-hour block of time during which the average combustion temperature within the enclosed combustor, when the emissions unit was in operation, was more than 82.4 degrees Fahrenheit (28 degrees Celsius) below the average temperature during the most recent test which demonstrated compliance with b)(2)b.;

c. an identification of each month during which the temperature and nitrogen or oxygen limitations specified in c)(3) were exceeded, the value of the exceedance, and the length of time of the exceedance;

d. an identification of each quarter during which the methane concentration measured at the surface of the landfill was greater than or equal to 500 ppm above the background levels, including the location and concentration of the exceedance;

e. all periods when the gas stream is diverted from the control device or recovery system through a bypass line or the indication of bypass flow or any record which indicates that the bypass line valve was not maintained in the closed position;

f. a listing of all periods when the collection system was not operating in excess of 5 days;

g. a listing of all days when visible emissions were present at the open flare and the corrective actions taken to eliminate the visible emissions;

h. all periods of time during which the flare pilot flame or the flare flame was not present (the reports shall include the date, time, and duration of each such period) when the emissions unit was in operation;

i. each day during which an inspection in d)(7) 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;

j. each instance when a control measure that was to be implemented as a result of an inspection in d)(7) was not implemented; and

k. thedescription and duration of all periods when the recovery and treatment system was not operating for a period exceeding 1 hour and the length of time the recovery and treatment system was not operating.

Should a deviation occur, the deviation report shall include details sufficient to determine compliance with the time line provisions established under 40 CFR Part 60.755. The quarterly reporting requirement above may be more stringent than annual reporting requirements specified in 40 CFR Part 60, Subpart WWW, and semi-annual reporting requirements specified in 40 CFR Part 63, Subpart AAAA. The permittee shall comply with all applicable reporting requirements, including any less stringent requirements.

The quarterly deviation (excursion) reports shall be submitted in accordance with the reporting requirements of the Standard Terms and Conditions of this permit.

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

(5) The permittee shall submit quarterly reports summarizing the asbestos disposal activities; these reports shall contain the following information:

a. the name, address and location of the facility, the calendar period covered by the report, and any changes in the methods of storage or the disposal operations; and

b. a list of all asbestos-containing waste consignments received including: the date received, the name of the waste generator, the name and location of the facility where the load originated, the quantity of asbestos, and any discrepancy or non-conformity discovered.

These quarterly reports shall be submitted no later than January 31, April 30, July 31 and October 31 and shall cover the previous calendar quarters.

[Authority for term: OAC rule 3745-31-05(A)(3), 3745-77-07(C)(1), 3745-20, and 40 CFR Part 61]

(6) As soon as possible and no longer than 30 days after receipt of the asbestos-containing waste material, the permittee shall send a copy of the signed waste shipment record to the waste generator.

[Authority for term: OAC rule 3745-31-05(A)(3), 3745-77-07(C)(1), 3745-20, and 40 CFR Part 61]

(7) Upon discovery of a discrepancy between the quantity of asbestos-containing waste material designated on a waste shipment record and the quantity actually received, the permittee shall attempt to reconcile the discrepancy with the waste generator. If the discrepancy is not resolved within 15 days after receiving the waste, immediately report in writing to the State, local, district, or U.S. EPA regional office responsible for administering the asbestos NESHAP program for the waste generator (identified in the waste shipment record), and the Director (the appropriate Ohio EPA District Office or local air agency) if the waste was received from out of State. Describe the discrepancy and attempts to reconcile it, and submit a copy of the waste shipment record along with the report.

[Authority for term: OAC rule 3745-31-05(A)(3), 3745-77-07(C)(1), 3745-20, and 40 CFR Part 61]

(8) Upon closure of the landfill the permittee shall submit a copy of the records of the asbestos waste disposal locations and the quantities disposed to the Director (appropriate district or local office of the Division of Air Pollution Control) and shall comply with all of the provisions of rule 3745-20-07 of the Administrative Code.

[Authority for term: OAC rule 3745-31-05(A)(3), 3745-77-07(C)(1), 3745-20, and 40 CFR Part 61]

(9) The permittee shall notify the Director, in writing, at least 45 days prior to excavating or otherwise disturbing any asbestos-containing waste material that has been deposited at a waste disposal site and is covered. If the excavation will begin on a date other than the one contained in the original notice, notice of the new start date must be provided at least 10 working days before excavation begins and in no event shall excavation begin earlier than the date specified in the original notification. The following information shall be included in the notice:

a. scheduled starting and completion dates;

b. reason for disturbing the waste;

c. procedures to be used to control emissions during the excavation, storage, transport, and ultimate disposal of the excavated asbestos-containing waste material (if deemed necessary, the Director may require changes in the proposed emission control procedures); and

d. location of any temporary storage site and the final disposal site.

[Authority for term: OAC rule 3745-31-05(A)(3), 3745-77-07(C)(1), 3745-20, and 40 CFR Part 61]

(10) The permittee shall notify the Director of any load of asbestos-containing material which is rejected, or any non-conforming load disposed of in accordance with the "Asbestos Spill Contingency Plan." Notification shall be provided as soon as possible by a phone contact, followed in writing by the next working day. The written notification shall provide a copy of the waste shipment record, if available, or when waste is not shipped with a waste shipment record, provide available information concerning vehicle identification,

source of the load, a description of the load, nature of discrepancy, and the location of disposal. If possible, non-conforming loads of suspect friable material shall be detained, or the location of disposal protected from damage, until the appropriate Ohio EPA District Office or local air agency is informed and provided the opportunity to inspect.

[Authority for term: OAC rule 3745-31-05(A)(3), 3745-77-07(C)(1), 3745-20, and 40 CFR Part 61]

(11) The permittee shall submit written notification to the Director and to the board of health having jurisdiction, and place a copy of the notification in the operating record, as to the actual date that the unit(s) of the sanitary landfill facility ceased to accept solid waste, in accordance with paragraph (E) of rule OAC rule 3745-27-11. Written notification shall be received by the Director by no later than 7 days after the date specified in the notification.

[Authority for term: OAC rule 3745-31-05(A)(3), 3745-77-07(C)(1), and 3745-27]

(12) The permittee shall notify the Southwest Ohio Air Quality Agency in writing of any daily record which shows the amount of solidwaste as defined in OAC rule 3745-27-01(S)(23) (excluding composting raw material and unprocessed and/or shredded tires) received exceeded 10,000 tons without prior approval by the Director of Ohio EPA. The notification shall include a copy of such record and shall be sent to the Southwest Ohio Air Quality Agency within 30 days after the exceedance occurs.

[Authority for term: OAC rule 3745-31-05(A)(3) and 3745-77-07(C)(1)]

(13) The permittee shall submit annual reports that specify the total amount of gas throughput in the off-spec gas flare (for Plants 1 and 2), in million scf. The reports shall be submitted by April 15 of each year. This reporting requirement may be satisfied by including and identifying the specific data for this emissions unit in the annual Fee Emission Report.

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

(14) The permittee shall submit annual reports that specify the total NMOC, CO, PE, PM_{10}, NOx, SO_2, HCl, HF, H_2S, methane, CFC-11, and CFC-12 emissions from this emissions unit for the previous calendar year. The reports shall be submitted by April 15 of each year. This reporting requirement may be satisfied by including and identifying the specific data for this emissions unit in the annual Fee Emission Report.

[Authority for term: OAC 3745-31-05(A)(3),3745-31-11 through 20, and 3745-77-07(C)(1)]

(15) The permittee shall submit to the Southwest Ohio Air Quality Agency quarterly reports that specify the control options, which are outlined in g)(2), that were used and their corresponding time period. These reports shall be submitted no later than January 31, April 30, July 31, and October 31 and shall cover the previous calendar quarters.

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

(16) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install #P0112732, issued on September 24, 2013: e)(1) through e)(15). The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

f) Testing Requirements

(1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

a. Emission Limitation:

There shall be no visible emissions from an open flare, except for periods not to exceed 5 minutes during any 2 consecutive hours, as outlined in 40 CFR 60.18.

Applicable Compliance Method:

Compliance shall be determined through visible emissions observations performed in accordance with Method 22 of 40 CFR Part 60, Appendix A, and 40 CFR Part 60, Subparts A and WWW [see f)(3) below].

[Authority for term: OAC 3745-31-05(A)(3), 3745-77-07(C)(1), and 40 CFR Part 60, Subparts A and WWW]

b. Emission Limitation:

Reduce NMOC by 98 weight-percent, or, when an enclosed combustion device is used for control to either reduce NMOC by 98 weight-percent or reduce the outlet NMOC concentration to less than 20 parts per million (ppm) by volume, dry basis as hexane at 3 percent oxygen.

Applicable Compliance Method:

Compliance shall be demonstrated by compliance with the monitoring and testing requirements of 40 CFR Part 60, Subpart WWW as specified in d)(2) and f)(2), f)(3), and f)(4) below.

[Authority for term: OAC 3745-31-05(A)(3), 3745-77-07(C)(1), and 40 CFR Part 60, Subpart WWW]

c. Emission Limitations:

For all waste handling materials, except asbestos-containing materials: Visible emissions of fugitive dust shall not exceed 20% opacity, as a 3-minute average.

For Asbestos-Containing Material (ACM):There shall be no visible emissions from asbestos-containing waste materials during on-site transportation, transfer, unloading, deposition or compacting operations.

Applicable Compliance Method:

For non-ACM: If required, compliance shall be determined through visible emission observations performed in accordance with U.S. EPA Method 9 and the procedures specified in OAC rule 3745-17-03(B)(3).

For ACM: If required, compliance with this emission limitation shall be determined through visible emissions observations performed in accordance with Method 22 of 40 CFR Part 60, Appendix A.

[Authority for term: OAC 3745-31-05(A)(3), 3745-77-07(C)(1), 3745-20, and 40 CFR Part 61]

d. Emission Limitations:

Visible particulate emissions from the stacks serving the existing gas recovery plants (Plants 1 and 2) shall not exceed 10% opacity, as a 6-minute average.

Visible particulate emissions from the stacks serving the new gas recovery plants (Plants 3 and 4) shall not exceed 20% opacity, as a 6-minute average.

Applicable Compliance Method:

Compliance with these emission limitations shall be determined through visible emissions observations performed in accordance with Method 9 of 40 CFR Part 60, Appendix A.

No visible emissions observations are specifically required to demonstrate compliance with this emission limitation but, if appropriate, may be required pursuant to OAC rule 3745-15-04(A).

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

e. Emission Limitations:

<u>Emissions under the New Gas Recovery Plants (Plants 3 and 4) Option (stack emissions) shall not exceed the following:</u>

CO emissions shall not exceed 48.18 pounds per hour and 211.03 TPY;

PE shall not exceed 2.75 pounds per hour and 12.04 TPY; and

PM_{10} emissions shall not exceed 2.75 pounds per hour and 12.04 TPY.

<u>Emissions under the NSPSEnclosed Combustors Option (stack emissions) shall not exceed the following:</u>

CO emissions shall not exceed 95.4 pounds per hour;

PE shall not exceed 7.3 pounds per hour; and

PM_{10} emissions shall not exceed 7.3 pounds per hour.

Emissions under the New Utility Flares Option (stack emissions) shall not exceed the following:

CO emissions shall not exceed 123.44 pounds per hour;

PE shall not exceed 7.3 pounds per hour; and

PM_{10} emissions shall not exceed 7.3 pounds per hour.

Annual emissions under the New Combined Control Devices Option (stack emissions) shall not exceed the following:

NMOC emissions shall not exceed 16.79 TPY;

CO emissions shall not exceed 417.91 TPY;

PE shall not exceed 31.87 TPY;

PM_{10} emissions shall not exceed 31.87 TPY;

NOx emissions shall not exceed 113.83 TPY;

SO_2 emissions shall not exceed 29.3 TPY;

Hydrogen chloride (HCl) emissions shall not exceed 45.18 TPY;

Hydrogen fluoride (HF) emissions shall not exceed 7.28 TPY;

Fluorotrichloromethane (CFC-11) emissions shall not exceed 0.02 TPY;

Dichlorodifluoromethane (CFC-12) emissions shall not exceed 0.37 TPY; and

Methane emissions shall not exceed 1563 TPY.

If the New Gas Recovery Plants (Plants 3 and 4) Option is used by itself, or in conjunction with any other option, then the emissions from the New Gas Recovery Plants (Plants 3 and 4 stack emissions) shall not exceed the following:

CO emissions shall not exceed 211.03 TPY;

PE shall not exceed 12.04 TPY; and

PM_{10} emissions shall not exceed 12.04 TPY.

Emissions under the NSPS Enclosed Combustors Option, New Gas Recovery Plants (Plants 3 and 4) Option, or the New Utility Flares Option (stack emissions) shall not exceed the following:

NMOC emissions shall not exceed 3.83 pounds per hour;

NOx emissions shall not exceed 26.0 pounds per hour;

SO_2 emissions shall not exceed 6.7 pounds per hour;

HCl emissions shall not exceed 10.3 pounds per hour; and

HF emissions shall not exceed 1.7 pounds per hour.

Applicable Compliance Method:

The hourly emission limitations represent the emission unit's potential to emit based upon emission factors, control efficiencies (if applicable), and the operational parameters as submitted in PTI application 14-05824 (March 14, 2006). The emission factors include US EPA's Landfill Gas Emissions Model along with AP-42, Section 2.4.

Where applicable, the actual emission rates shall be calculated from the results of the most recent stack test which demonstrated compliance using test methods in accordance with 40 CFR Part 60, Appendix A, or alternative US EPA-approved test methods with prior approval of Ohio EPA. See f)(3) and f)(4).

The annual emission limitations were established by multiplying the hourly emission limitations by 8,760 and dividing by 2,000 lbs/ton, except for CO. Therefore, provided that the permittee complies with the hourly emission limitations, compliance with the annual emission limitations will also be demonstrated. The permittee will maintain records of emissions and submit annual reports as outlined in d)(14) and e)(14).

[Authority for term: OAC 3745-31-05(A)(3), 3745-31-11 through 20, and 3745-77-07(C)(1)]

f. Emission Limitations:

<u>Emissions from the Existing Gas Recovery Plants (Plants 1 and 2 stack emissions) shall not exceed the following:</u>

NMOC emissions shall not exceed 8.50 pounds per hour and 34.65 TPY;

CO emissions shall not exceed 14.75pounds per hour and 40.96 TPY;

PE emissions shall not exceed 4.49 pounds per hour and 11.94 TPY;

PM_{10} emissions shall not exceed 4.49 pounds per hour and 11.94 TPY;

NOx emissions shall not exceed 6.44 pounds per hour and 8.15 TPY;

SO_2 emissions shall not exceed 3.42 pounds per hour and 7.11 TPY;

Methane emissions shall not exceed 599 TPY;

HCl emissions shall not exceed 25.62 TPY; and

HF emissions shall not exceed 3.28 TPY.

Applicable Compliance Method:

The hourly emission limitations represent the emission unit's potential to emit based upon emission factors, control efficiencies (if applicable), and the operational parameters as submitted in PTI applications 14-05302 (April 8, 2002) and P0112732 (July 11, 2013), including US EPA's Landfill Gas Emissions Model along with AP-42, Section 2.4.

Where applicable, the actual emission rates shall be calculated from the results of the most recent stack test which demonstrated compliance using test methods in accordance with 40 CFR Part 60, Appendix A, or alternative US EPA-approved test methods with prior approval of Ohio EPA. See f)(3).

The annual emission limitations are based upon Plant 1 and Plant 2 operating 8,760 hours per year and include compliance with the annual gas flow limitation to the off-spec gas flare, which is determined by the record keeping requirements in d)(1). Therefore, provided that the permittee complies with the hourly emission limitations and the gas limitation to the off-spec gas flare, compliance with the annual emission limitations will also be demonstrated.

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

g. Emission Limitations:

<u>Fugitive (non-stack) emissions from this emissions unit shall not exceed the following:</u>

NMOC emissions shall not exceed 745.70 TPY;

CO emissions shall not exceed 34.18 TPY;

PE emissions shall not exceed 0.56 TPY;

PM_{10} emissions shall not exceed 0.27 TPY;

Methane emissions shall not exceed 28,588 TPY, excluding the vertical and southern expansion;

Methane emissions shall not exceed 45,029 TPY, from both the vertical and southern expansion;

Hydrogen sulfide (H_2S) emissions shall not exceed 10.47 TPY;

CFC-11 emissions shall not exceed 0.90 TPY; and

CFC-12 emissions shall not exceed 16.43 TPY.

Applicable Compliance Method:

Compliance with these emission limitations shall be demonstrated by the emission factors, control efficiencies (if applicable) and the operational parameters as submitted in PTI application 14-05292 (March 19, 2002). The emission factors include USEPA's Landfill Gas Emissions Model along with AP-42 Section 2.4.

[Authority for term: OAC 3745-31-05(A)(3) and 3745-77-07(C)(1)]

(2) The permittee shall comply with the applicable testing requirements under 40 CFR Part 60, Subpart WWW, including the following sections:

60.754(b)	NMOC emission rate calculation for equipment removal
60.754(c)	NMOC emission rate determination for PSD
60.752(b)(2)(iii)(B) and 60.754(d)	Performance test and test method requirements for enclosed combustor(s)
60.752(b)(2)(iii)(A), 60.754(e), and 60.18(f)	Performance test and test method requirements for open flare(s)

[Authority for term: OAC 3745-31-05(A)(3), 3745-77-07(C)(1), and 40 CFR Part 60, Subpart A and WWW]

(3) The permittee shall conduct, or have conducted, emission testing for the open utility flares and gas recovery plants (Plants 1, 2, and 3) thermal oxidizer (TOX) units and associated gas recovery off-spec (enclosed) combustors in accordance with the following requirements:

a. The emission testing shall be conducted as follows:

i. for the open utility flares, within 6 months after issuance of the permit (following the effective date for the Title V permit);

ii. for Plant 3, within 6 months after issuance of the permit (following the effective date for the Title V permit);

iii. for Plant 2, approximately 2.5 years after issuance of the permit (following the effective date for the Title V permit); and

iv. for Plant 1, within 6 months prior to the permit expiration.

b. The emission testing for Plants 1, 2, and 3 shall be conducted to demonstrate compliance with the CO, NOx, and NMOC stack emission limitations specified in b)(1), including the control efficiency requirements of 40 CFR Part 60, Subpart WWW specified in b)(2)b. The emission testing for the open utility flares shall be conducted to demonstrate compliance with the emission limitations specified in b)(2)b. and b)(2)c., including the requirements of 40 CFR Part 60, Subpart WWW and 60.18.

c. The following test methods shall be employed to demonstrate compliance with the emission limitations:

for NOx, Methods 1 through 4 and 7 of 40 CFR Part 60, Appendix A;

for CO, Methods 1 through 4 and 10 of 40 CFR Part 60, Appendix A; and

for NMOC, Methods 1 through 4 and 25, 25C or Method 18, as appropriate, 40 CFR Part 60, Appendix A, and 60.754(d) and (e) of Subpart WWW.

Alternative U.S. EPA-approved test methods may be used with prior approval from the Ohio EPA.

d. Visible emission testing of open utility flares shall be conducted in accordance with the methods specified in Method 22 of 40 CFR Part 60, Appendix A, including 60.18(f) and Subpart WWW.

e. The tests shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Southwest Ohio Air Quality Agency.

f. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Southwest Ohio Air Quality Agency. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s)of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Southwest Ohio Air Quality Agency refusal to accept the results of the emission test(s).

g. Personnel from the Southwest Ohio Air Quality Agency shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

h. A comprehensive written report on the results of the emission test(s) shall be signed by the person or persons responsible for the tests and submitted to the Southwest Ohio Air Quality Agency within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the Southwest Ohio Air Quality Agency.

[Authority for term: OAC 3745-31-05(A)(3), 3745-31-11 through 20, 3745-77-07(C)(1), and 40 CFR Part 60, Subpart A and WWW]

(4) The permittee shall conduct, or have conducted, emission testing for the new gas recovery plant (Plant 4) TOX unit and the gas recovery off-spec (enclosed) combustor in accordance with the following requirements:

a. The emission testing shall be conducted within 6 months after startup of the new gas recovery plant (Plant 4).

b. The emission testing shall be conducted to demonstrate compliance with the PE, NOx, CO, HCl, and NMOC stack emission limitations specified in b)(1), including the control efficiency requirements of 40 CFR Part 60, Subpart WWW specified in b)(2)b.

c. The following test methods shall be employed to demonstrate compliance with the emission limitations:

for PE, Methods 1 through 5 of 40 CFR Part 60, Appendix A;

for NOx, Methods 1 through 4 and 7 of 40 CFR Part 60, Appendix A;

for CO, Methods 1 through 4 and 10 of 40 CFR Part 60, Appendix A;

forHCl, Methods 1 through 4 and 26 of 40 CFR Part 60, Appendix A;

for NMOC, Methods 1 through 4 and 25, 25C or Method 18, as appropriate, 40 CFR Part 60, Appendix A, and 60.754(d) and (e) of Subpart WWW.

Alternative U.S. EPA-approved test methods may be used with prior approval from the Ohio EPA.

d. The tests shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Southwest Ohio Air Quality Agency.

e. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Southwest Ohio Air Quality Agency. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s)of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Southwest Ohio Air Quality Agency refusal to accept the results of the emission test(s).

f. Personnel from the Southwest Ohio Air Quality Agency shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

g. A comprehensive written report on the results of the emission test(s) shall be signed by the person or persons responsible for the tests and submitted to the Southwest Ohio Air Quality Agency within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the Southwest Ohio Air Quality Agency.

[Authority for term: OAC 3745-31-05(A)(3), 3745-31-11 through 20, 3745-77-07(C)(1), and 40 CFR Part 60, Subpart A and WWW]

(5) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install #P0112732, issued on September 24, 2013: f)(1) through f)(4). The testing requirements contained in the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

g) Miscellaneous Requirements

(1) Emissions from the existing gas plants (Plant #1 and #2) include emissions from two thermal oxidizer (TOX) units and one off-spec gas flare. The off-spec gas flare is used only for destruction of off-spec processed gas and not unprocessed landfill gas. For purposes of compliance with 40 CFR 60 Subpart WWW, only the thermal oxidizers are defined as "enclosed combustors" per 40 CFR 60.751.

[Authority for term: OAC 3745-31-05(A)(3), 3745-77-07(C)(1), and 40 CFR Part 60, Subpart WWW]

(2) This permit and the underlying PTI for this emissions unit allows the control of landfill gas (LFG) emissions under four scenarios: NSPS Enclosed Combustors Option, New Gas Recovery Plants (Plants 3 and 4) Option, New Utility Flares Option, and New Combined Control Devices Option.

The NSPS Enclosed Combustors Option involves the use of new stand-alone enclosed flares with a total combined LFG flow rate of 14,281 acfmand results in no LFG recovery, only full destruction of collected LFG. For purposes of compliance with 40 CFR 60 Subpart WWW, these new stand-alone enclosed flares are defined as “enclosed combustors” per 40 CFR 60.751. When an enclosed flare off-spec gas combustor is only used for the destruction of raw LFG, this operating scenario constitutes the NSPS Enclosed Combustors Option.

The New Gas Recovery Plants Option involves the use of two new gas recovery plants (Plants 3 and 4) with thermal oxidizer(s) (TOX) unit(s) and one enclosed flare off-spec gas combustor shared by both new gas recovery plants (Plants 3 and 4). The two new gas recovery plants (Plants 3 and 4) may have one shared thermal oxidizer or their own individual thermal oxidizers. The New Gas Recovery Plants (Plants 3 and 4) Option results in LFG recovery with the use of thermal oxidizer(s) for control of exhaust streams from the various LFG refining stages and the use of an off-spec gas combustor for typically discharging off-spec gas on an intermittent basis. The offspec gas combustor is only used for destruction of raw LFG in the event of the shutdown of the new gas recovery plants (Plants 3 and 4), operational considerations, or poor gas quality (off-spec processed gas). When an enclosed flare off-spec gas combustor is only used for the destruction of raw LFG, this operating scenario constitutes the NSPS Enclosed Combustors Option. For purposes of compliance with 40 CFR 60 Subpart WWW, the thermal oxidizer(s) and the off-spec gas combustor are defined as “enclosed combustors” per 40 CFR 60.751.

The New Utility Flares Option involves the use of new open utility flares with a total combined LFG flow rate of 11,000 acfmfor LFG destruction in the event of the new gas recovery plants (Plants 3 and 4) being shut down or poor gas quality. The New Utility Flare Option results in no LFG recovery, only full destruction of collected LFG. For purposes of compliance with 40 CFR 60 Subpart WWW, the utility flare is defined as a "flare" and is not considered an "enclosed combustor" under 40 CFR 60.751.

The New Combined Control Devices Option involves the use of any combination of the four scenarios described above including new stand-alone enclosed flare(s), new gas recovery plant(s) (Plants 3 and 4) with thermal oxidizer(s) and enclosed flare off-spec gas combustor, and/or new utility flare(s).

The emission limitations are identical for the four scenarios with the exception of the hourly and annual CO and PE/PM10 emission limits for the New Gas Recovery Plants (Plants 3 and 4) Option, which were lowered due to dispersion modeling results, and the CO hourly emission limit for the New Utility Flares Option, which was based on the utility flare manufacturer CO emission rate of 0.37 lb/MMBtu.

[Authority for term: OAC 3745-31-05(A)(3), 3745-31-11 through 20, 3745-77-07(C)(1), and 40 CFR Part 60, Subpart WWW]

(3) If the Director of Ohio EPA has issued a PTI modification for this emissions unit after the issuance date of this permit, the permittee shall comply with the requirements of OAC rule 3745-77-04(D) and OAC rule 3745-77-08(C) to incorporate PTI modifications into this permit. For a minor permit modification pursuant to OAC rule 3745-77-08(C)(1), compliance with the PTI terms and conditions and the proposed Title V terms and conditions submitted with the minor permit modification application will demonstrate compliance with the requirements of this Title V permit, unless the modifications are expressly prohibited by the terms of this permit. If the PTI modifications are prohibited by the terms and conditions of this permit, a Title V permit modification must be obtained before the operation of any new or modified emissions unit.

23. T007, Leachate Aeration Basin

Operations, Property and/or Equipment Description:

200,000 Gallon Leachate Aeration Basin for Southern Landfill Expansion Area

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3) [PTI 14-05824, issued 12/12/2006]	VOC emissions shall not exceed 15.7 TPY. See b)(2)a. The requirements of this rule include compliance with the requirements of 40 CFR Part 60, Subpart Kb.
b.	40 CFR Part 60, Subpart Kb *Standards of Performance for Volatile Organic Liquid Storage Vessels*	If the vapor pressure of the leachate is less than 3.5 kilopascals, this emissions unit is exempt pursuant to 60.110b(b). If the vapor pressure of the leachate is greater than or equal to 3.5 kilopascals, this emissions unit shall comply with the applicable requirements of 40 CFR Part 60, Subpart Kb.

(2) Additional Terms and Conditions

a. The annual emission limitation is based upon the emissions unit's potential to emit. Therefore, no additional monitoring, record keeping or reporting requirements are required to demonstrate compliance with this emission limitation.

b. The application and enforcement of the provisions of the New Source Performance Standards (NSPS), as promulgated by the United States Environmental Protection Agency, 40 CFR Part 60, are delegated to the Ohio

Environmental Protection Agency. The requirements of 40 CFR Part 60 are also federally enforceable.

c) Operational Restrictions

(1) If the vapor pressure of the leachate is greater than or equal to 5.2 kilopascals, the permittee shall equip the storage vessel with one of the VOC control methods specified in 40 CFR 60.112b(a)(1) – (4).

[Authority for term: OAC 3745-77-07(A)(1), 3745-31-05(A)(3), and 40 CFR Part 60, Subpart Kb]

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall maintain records of the maximum true vapor pressure of the liquid stored in this emissions unit in order to satisfy the exemption for liquids with a vapor pressure less than 3.5 kilopascals found in 40 CFR 60.110b(b).

[Authority for term: OAC 3745-77-07(C)(1)and 40 CFR Part 60, Subpart Kb]

(2) If the vapor pressure of the leachate is greater than or equal to 3.5 kilopascals, the permittee shall comply with the following requirements of 40 CFR Part 60, Subpart Kb:

60.116b(a)	record retention requirements
60.116b(b)	record keeping requirements for storage vessel dimensions and capacity
60.116b(c)	record keeping requirements for the leachate stored, period of storage, and vapor pressure of the leachate during storage
60.116b(e)	use of available data on storage temperature
60.116b(f)(1)	determination of highest maximum true vapor pressure of leachate prior to initial vessel filling
60.116b(f)(2)	for maximum true vapor pressure between 3.5 and 5.2 kilopascals, requirements for initial leachate vapor pressure test and subsequent leachate vapor pressure testing every 6 months

[Authority for term: OAC 3745-77-07(C)(1), 3745-31-05(A)(3), and 40 CFR Part 60, Subpart Kb]

(3) If the vapor pressure of the leachate is greater than or equal to 5.2 kilopascals and the permittee has installed VOC control(s) pursuant to 60.112b(a) and c)(1) above, the permittee shall comply with the applicable testing, maintenance, and inspection procedures specified in 40 CFR 60.113b and the applicable record keeping requirements specified in 40 CFR 60.115b for the appropriate VOC control method employed.

[Authority for term: OAC 3745-77-07(C)(1), 3745-31-05(A)(3), and 40 CFR Part 60, Subpart Kb]

(4) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install #14-05824, issued on December 12, 2006:d)(1) - d)(3). The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Permit to Install.

e) Reporting Requirements

(1) If the vapor pressure of the leachate is greater than or equal to 5.2 kilopascals based on testing conducted in d)(1), the permittee shall comply with the 30-day notification requirements specified in 40 CFR 60.116b(d). The notification shall be submitted to the Southwest Ohio Air Quality Agency.

[Authority for term: OAC 3745-77-07(C)(1), 3745-31-05(A)(3), and 40 CFR Part 60, Subpart Kb]

(2) If the vapor pressure of the leachate is greater than or equal to 5.2 kilopascals and the permittee has installed VOC control(s) pursuant to 60.112b(a) and c)(1) above, the permittee shall comply with the applicable reporting requirements specified in 40 CFR 60.115b for the appropriate VOC control method employed.

[Authority for term: OAC 3745-77-07(C)(1), 3745-31-05(A)(3), and 40 CFR Part 60, Subpart Kb]

(3) Pursuant to 40 CFR Part 60.7, the permittee shall submit to the Southwest Ohio Air Quality Agency notification of:

a. the date construction or reconstruction of the emissions unit is commenced, no later than 30 days after such date; and

b. the actual date of initial startup, submitted within 15 days after such date.

[Authority for term: OAC 3745-77-07(C)(1), 3745-31-05(A)(3), and 40 CFR Part 60, Subpart Kb]

(4) The permittee shall submit annual reports that specify the total VOC emissions from this emissions unit for the previous calendar year. The reports shall be submitted by April 15 of each year. This reporting requirement may be satisfied by including and identifying the specific emission data for this emissions unit in the annual Fee Emission Report.

[Authority for term: OAC 3745-77-07(C)(1) and 3745-31-05(A)(3)]

(5) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install #14-05824, issued on December 12, 2006: e)(1) – e)(4). The reporting

requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

f) Testing Requirements

(1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

a. Emission Limitation:

VOC emissions shall not exceed 15.7 TPY.

Applicable Compliance Method:

The annual VOC emission limitation represents the emissions unit's potential to emit and was established by calculating the maximum capacity of the basin, the maximum leachate VOC content and 100% volatilization of VOCs in the leachate.

[0.0001434 lb of VOC/gallon, emitted during aeration] x [219,000,000 gallons/year, aerated] x [1 ton/2,000 gallons] = 15.7 tons/year.

[Authority for term: OAC 3745-77-07(C)(1) and 3745-31-05(A)(3)]

(2) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install # 14-05824, issued on December 12, 2006: f)(1)a. The testing requirements contained in the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

g) Miscellaneous Requirements

(1) Emissions unit T007 is parted of a phased Prevention of Significant Deterioration (PSD) project at this facility which was approved under PTI 14-05292, issued 6/10/2004. In accordance with the PSD project described, this emissions unit will be installed at a future date.

(2) If the Director of Ohio EPA has issued a PTI modification for this emissions unit after the issuance date of this permit, the permittee shall comply with the requirements of OAC rule 3745-77-04(D) and OAC rule 3745-77-08(C) to incorporate PTI modifications into this permit. For a minor permit modification pursuant to OAC rule 3745-77-08(C)(1), compliance with the PTI terms and conditions and the proposed Title V terms and conditions submitted with the minor permit modification application will demonstrate compliance with the requirements of this Title V permit, unless the modifications are expressly prohibited by the terms of this permit. If the PTI modifications are prohibited

by the terms and conditions of this permit, a Title V permit modification must be obtained before the operation of any new or modified emissions unit.

24. T008, Leachate Storage Basin

Operations, Property and/or Equipment Description:

200,000 Gallon Leachate Storage Basin for Southern Landfill Expansion Area

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3) [PTI 14-05824, issued 12/12/2006]	VOC emissions shall not exceed 1.67 TPY. See b)(2)a. The requirements of this rule include compliance with the requirements of 40 CFR Part 60, Subpart Kb.
b.	40 CFR Part 60, Subpart Kb *Standards of Performance for Volatile Organic Liquid Storage Vessels*	If the vapor pressure of the leachate is less than 3.5 kilopascals, this emissions unit is exempt pursuant to 60.110b(b). If the vapor pressure of the leachate is greater than or equal to 3.5 kilopascals, this emissions unit shall comply with the requirements of 40 CFR Part 60, Subpart Kb.

(2) Additional Terms and Conditions

a. The annual emission limitation is based upon the emissions unit's potential to emit. Therefore, no additional monitoring, record keeping or reporting requirements are required to demonstrate compliance with this emission limitation.

b. The application and enforcement of the provisions of the New Source Performance Standards (NSPS), as promulgated by the United States Environmental Protection Agency, 40 CFR Part 60, are delegated to the Ohio

Environmental Protection Agency. The requirements of 40 CFR Part 60 are also federally enforceable.

c) Operational Restrictions

(1) If the vapor pressure of the leachate is greater than or equal to 5.2 kilopascals, the permittee shall equip the storage vessel with one of the VOC control methods specified in 40 CFR 60.112b(a)(1) – (4).

[Authority for term: OAC 3745-77-07(A)(1), 3745-31-05(A)(3), and 40 CFR Part 60, Subpart Kb]

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall maintain records of the maximum true vapor pressure of the liquid stored in this emissions unit in order to satisfy the exemption for liquids with a vapor pressure less than 3.5 kilopascals found in 40 CFR 60.110b(b).

[Authority for term: OAC 3745-77-07(C)(1)and 40 CFR Part 60, Subpart Kb]

(2) If the vapor pressure of the leachate is greater than or equal to 3.5 kilopascals, the permittee shall comply with the following requirements of 40 CFR Part 60, Subpart Kb:

60.116b(a)	record retention requirements
60.116b(b)	record keeping requirements for storage vessel dimensions and capacity
60.116b(c)	record keeping requirements for the leachate stored, period of storage, and vapor pressure of the leachate during storage
60.116b(e)	use of available data on storage temperature
60.116b(f)(1)	determination of highest maximum true vapor pressure of leachate prior to initial vessel filling
60.116b(f)(2)	for maximum true vapor pressure between 3.5 and 5.2 kilopascals, requirements for initial leachate vapor pressure test and subsequent leachate vapor pressure testing every 6 months

[Authority for term: OAC 3745-77-07(C)(1), 3745-31-05(A)(3), and 40 CFR Part 60, Subpart Kb]

(3) If the vapor pressure of the leachate is greater than or equal to 5.2 kilopascals and the permittee has installed VOC control(s) pursuant to 60.112b(a) and c)(1) above, the permittee shall comply with the applicable testing, maintenance, and inspection procedures specified in 40 CFR 60.113b and the applicable record keeping requirements specified in 40 CFR 60.115b for the appropriate VOC control method employed.

[Authority for term: OAC 3745-77-07(C)(1), 3745-31-05(A)(3), and 40 CFR Part 60, Subpart Kb]

(4) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install #14-05824, issued on December 12, 2006:d)(1) - d)(3). The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Permit to Install.

e) Reporting Requirements

(1) If the vapor pressure of the leachate is greater than or equal to 5.2 kilopascals based on testing conducted in d)(1), the permittee shall comply with the 30-day notification requirements specified in 40 CFR 60.116b(d). The notification shall be submitted to the Southwest Ohio Air Quality Agency.

[Authority for term: OAC 3745-77-07(C)(1), 3745-31-05(A)(3), and 40 CFR Part 60, Subpart Kb]

(2) If the vapor pressure of the leachate is greater than or equal to 5.2 kilopascals and the permittee has installed VOC control(s) pursuant to 60.112b(a) and c)(1) above, the permittee shall comply with the applicable reporting requirements specified in 40 CFR 60.115b for the appropriate VOC control method employed.

[Authority for term: OAC 3745-77-07(C)(1), 3745-31-05(A)(3), and 40 CFR Part 60, Subpart Kb]

(3) Pursuant to 40 CFR Part 60.7, the permittee shall submit to the Southwest Ohio Air Quality Agency notification of:

a. the date construction or reconstruction of the emissions unit is commenced, no later than 30 days after such date; and

b. the actual date of initial startup, submitted within 15 days after such date.

[Authority for term: OAC 3745-77-07(C)(1), 3745-31-05(A)(3), and 40 CFR Part 60, Subpart Kb]

(4) The permittee shall submit annual reports that specify the total VOC emissions from this emissions unit for the previous calendar year. The reports shall be submitted by April 15 of each year. This reporting requirement may be satisfied by including and identifying the specific emission data for this emissions unit in the annual Fee Emission Report.

[Authority for term: OAC 3745-77-07(C)(1) and 3745-31-05(A)(3)]

(5) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install #14-05824, issued on December 12, 2006: e)(1) – e)(4). The reporting

requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

f) Testing Requirements

(1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

a. Emission Limitation:

VOC emissions shall not exceed 1.67 TPY.

Applicable Compliance Method:

The annual VOC emission limitation represents the emissions unit's potential to emit and was established by calculating the maximum capacity of the basin as follows:

[0.00001525lb of VOC/gallon, emitted during storage] x [219,000,000 gallons/year, stored] x [1 ton/2,000 gallons] = 1.67 tons/year.

If required, compliance with the annual VOC emission limitation shall be determined using U.S. EPA Tanks 4.0 program to estimate VOC emissions from the leachate storage basin.

[Authority for term: OAC 3745-77-07(C)(1) and 3745-31-05(A)(3)]

(2) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install # 14-05824, issued on December 12, 2006: f)(1)a. The testing requirements contained in the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

g) Miscellaneous Requirements

(1) Emissions unit T008 is parted of a phased Prevention of Significant Deterioration (PSD) project at this facility which was approved under PTI 14-05292, issued 6/10/2004. In accordance with the PSD project described, this emissions unit will be installed at a future date.

(2) If the Director of Ohio EPA has issued a PTI modification for this emissions unit after the issuance date of this permit, the permittee shall comply with the requirements of OAC rule 3745-77-04(D) and OAC rule 3745-77-08(C) to incorporate PTI modifications into this permit. For a minor permit modification pursuant to OAC rule 3745-77-08(C)(1), compliance with the PTI terms and conditions and the proposed Title V terms and conditions submitted with the minor permit modification application will demonstrate compliance with the requirements of this Title V permit, unless the modifications are

expressly prohibited by the terms of this permit. If the PTI modifications are prohibited by the terms and conditions of this permit, a Title V permit modification must be obtained before the operation of any new or modified emissions unit.