



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

5/9/2016

Rocky Busa
 Boyas Excavating, Inc.
 11311 Rockside Road
 Valley View, OH 44125

Certified Mail

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

RE: FINALAIR POLLUTION PERMIT-TO-INSTALL AND OPERATE

Facility ID: 1318578710
 Permit Number: P0119799
 Permit Type: Initial Installation
 County: Cuyahoga

Dear Permit Holder:

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

- **How to appeal this permit**
- **How to save money, reduce pollution and reduce energy consumption**
- **How to give us feedback on your permitting experience**
- **How to get an electronic copy of your permit**
- **What should you do if you notice a spill or environmental emergency?**

How to appeal this permit

The issuance of this PTIO is a final action of the Director and may be appealed to the Environmental Review Appeals Commission pursuant to Section 3745.04 of the Ohio Revised Code. The appeal must be in writing and set forth the action complained of and the grounds upon which the appeal is based. The appeal must be filed with the Commission within thirty (30) days after notice of the Director's action. The appeal must be accompanied by a filing fee of \$70.00, made payable to "Ohio Treasurer Josh Mandel," which the Commission, in its discretion, may reduce if by affidavit you demonstrate that payment of the full amount of the fee would cause extreme hardship. Notice of the filing of the appeal shall be filed with the Director within three (3) days of filing with the Commission. Ohio EPA requests that a copy of the appeal be served upon the Ohio Attorney General's Office, Environmental Enforcement Section. An appeal may be filed with the Environmental Review Appeals Commission at the following address:

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

How to save money, reduce pollution and reduce energy consumption

The Ohio EPA is encouraging companies to investigate pollution prevention and energy conservation. Not only will this reduce pollution and energy consumption, but it can also save you money. If you would like to learn ways you can save money while protecting the environment, please contact our Office of Compliance Assistance and Pollution Prevention at (614) 644-3469. Additionally, all or a portion of the capital expenditures related to installing air pollution control equipment under this permit may be eligible for financing and State tax exemptions through the Ohio Air Quality Development Authority (OAQDA) under Ohio Revised Code Section 3706. For more information, see the OAQDA website: www.ohioairquality.org/clean_air

How to give us feedback on your permitting experience

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

How to get an electronic copy of your permit

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

What should you do if you notice a spill or environmental emergency?

Any spill or environmental emergency which may endanger human health or the environment should be reported to the Emergency Response 24-HOUR EMERGENCY SPILL HOTLINE toll-free at (800) 282-9378. Report non-emergency complaints to the appropriate district office or local air agency.

If you have any questions regarding your permit, please contact Cleveland Division of Air Quality at (216)664-2297 or the Office of Compliance Assistance and Pollution Prevention at (614) 644-3469.

Sincerely,



Michael E. Hopkins, P.E.
Assistant Chief, Permitting Section, DAPC

Cc: CDAQ



FINAL

**Division of Air Pollution Control
Permit-to-Install and Operate
for
Boyas Excavating, Inc.**

Facility ID:	1318578710
Permit Number:	P0119799
Permit Type:	Initial Installation
Issued:	5/9/2016
Effective:	5/9/2016
Expiration:	8/14/2024



**Division of Air Pollution Control
Permit-to-Install and Operate**

for
Boyas Excavating, Inc.

Table of Contents

Authorization	1
A. Standard Terms and Conditions	3
1. What does this permit-to-install and operate ("PTIO") allow me to do?.....	4
2. Who is responsible for complying with this permit?	4
3. What records must I keep under this permit?	4
4. What are my permit fees and when do I pay them?.....	4
5. When does my PTIO expire, and when do I need to submit my renewal application?	4
6. What happens to this permit if my project is delayed or I do not install or modify my source?	5
7. What reports must I submit under this permit?	5
8. If I am required to obtain a Title V operating permit in the future, what happens to the operating provisions and PER obligations under this permit?	5
9. What are my obligations when I perform scheduled maintenance on air pollution control equipment? ...	5
10. Do I have to report malfunctions of emissions units or air pollution control equipment? If so, how must I report?	6
11. Can Ohio EPA or my local air agency inspect the facility where the emission unit(s) is/are located?	6
12. What happens if one or more emissions units operated under this permit is/are shut down permanently?	6
13. Can I transfer this permit to a new owner or operator?.....	7
14. Does compliance with this permit constitute compliance with OAC rule 3745-15-07, "air pollution nuisance"?	7
15. What happens if a portion of this permit is determined to be invalid?	7
B. Facility-Wide Terms and Conditions.....	8
C. Emissions Unit Terms and Conditions	10
1. F007, McCloskey S190 Screener and three associated conveyors.....	11
2. F008, Construction and Demolition Debris (C&DD) landfill.....	17
3. F009, McCloskey R155 Screener.....	27
4. F010, Eagle Crusher.....	32



Final Permit-to-Install and Operate
Boyas Excavating, Inc.
Permit Number: P0119799
Facility ID: 1318578710
Effective Date: 5/9/2016

Authorization

Facility ID: 1318578710
Application Number(s): A0054657, A0055266
Permit Number: P0119799
Permit Description: Initial PTIO for a McCloskey S190 Screener and three associated conveyors (F007), Construction and Demolition Debris Landfill (F008), a McCloskey R155 Screener and two associated conveyors (F009), and a 250 ton per hour Eagle Crusher and associated conveyor (F010).
Permit Type: Initial Installation
Permit Fee: \$5,500.00
Issue Date: 5/9/2016
Effective Date: 5/9/2016
Expiration Date: 8/14/2024
Permit Evaluation Report (PER) Annual Date: Jan 1 - Dec 31, Due Feb 15

This document constitutes issuance to:

Boyas Excavating, Inc.
11311 Rockside Road
Valley View, OH 44125

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

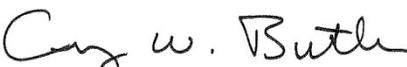
Ohio Environmental Protection Agency (EPA) District Office or local air agency responsible for processing and administering your permit:

Cleveland Division of Air Quality
2nd Floor
75 Erieview Plaza
Cleveland, OH 44114
(216)664-2297

The above named entity is hereby granted this Permit-to-Install and Operate for the air contaminant source(s) (emissions unit(s)) listed in this section pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this permit does not constitute expressed or implied approval or agreement that, if constructed or modified in accordance with the plans included in the application, the described emissions unit(s) will operate in compliance with applicable State and federal laws and regulations.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency


Craig W. Butler
Director



Authorization (continued)

Permit Number: P0119799

Permit Description: Initial PTIO for a McCloskey S190 Screener and three associated conveyors (F007), Construction and Demolition Debris Landfill (F008), a McCloskey R155 Screener and two associated conveyors (F009), and a 250 ton per hour Eagle Crusher and associated conveyor (F010).

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

Emissions Unit ID:	F007
Company Equipment ID:	McCloskey S190 Screener
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	F008
Company Equipment ID:	Construction and Demolition Debris (C&DD) landfill
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	F009
Company Equipment ID:	McCloskey R155 Screener
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	F010
Company Equipment ID:	Eagle Crusher
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable



Final Permit-to-Install and Operate
Boyas Excavating, Inc.
Permit Number: P0119799
Facility ID: 1318578710
Effective Date: 5/9/2016

A. Standard Terms and Conditions

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

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

2. Who is responsible for complying with this permit?

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

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

3. What records must I keep under this permit?

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

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

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

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

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

Annual emissions fee. Ohio EPA will assess a separate fee based on the total annual emissions from your facility. You self-report your emissions in accordance with Ohio Administrative Code (OAC) Chapter 3745-78. This fee assessed is based on a fee schedule in ORC section 3745.11 and funds Ohio EPA's permit compliance oversight activities. For facilities that are permitted as synthetic minor sources, the fee schedule is adjusted annually for inflation. Ohio EPA will notify you when it is time to report your emissions and to pay your annual emission fees.

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

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

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

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

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

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

7. What reports must I submit under this permit?

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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



Final Permit-to-Install and Operate
Boyas Excavating, Inc.
Permit Number: P0119799
Facility ID: 1318578710
Effective Date: 5/9/2016

B. Facility-Wide Terms and Conditions

1. This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).
 - a) For the purpose of a permit-to-install document, the facility-wide terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.
 - (1) None.
 - b) For the purpose of a permit-to-operate document, the facility-wide terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.
 - (1) None.
2. The operations at this facility potentially pose a risk of releasing asbestos fibers into the ambient air due to the processing of asbestos-containing materials that has made the material become friable. Asbestos-containing materials are identified in Ohio Administrative Code (OAC) rule 3745-20. As a result, the permittee, and/or your employees, may be subject to the asbestos hazard education and training courses as prescribed by the Ohio Department of Health and OAC rule 3701-34. The Ohio EPA does not have delegation of authority to enforce the Ohio Department of Health regulations. The requirements of OAC rule 3701-34 shall be enforceable by the Ohio Department of Health. The complete requirements of the asbestos education and training regulations may be accessed via the internet at <https://www.odh.ohio.gov/rules/final/3701-30-39/3701-34.aspx>.



Final Permit-to-Install and Operate
Boyas Excavating, Inc.
Permit Number: P0119799
Facility ID: 1318578710
Effective Date: 5/9/2016

C. Emissions Unit Terms and Conditions

1. F007, McCloskey S190 Screener and three associated conveyors.

Operations, Property and/or Equipment Description:

250 tph McCloskey S190 Screener and three associated conveyors.

a) This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

(1) For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.

a. None.

(2) For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.

a. None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3)	Develop and implement a site-specific work practice plan designed as described in paragraph d)(1) below to minimize or eliminate fugitive dust emissions. See b)(2)a. below.
b.	OAC rule 3745-17-07(B)	Visible emissions of fugitive dust shall not exceed twenty percent opacity as a three-minute average.
c.	OAC rule 3745-17-08	Utilize Reasonable Available Control Measures (RACM) to prevent fugitive dust from becoming airborne. See b)(2)c. through b)(2)f. below.
c.	OAC rule 3745-31-05(F)	See c)(1) below.



(2) Additional Terms and Conditions

- a. This Best Available Technology (BAT) emission limit applies until U.S. EPA approves Ohio Administrative Code (OAC) paragraph 3745-31-05(A)(3)(a)(ii) (the less than 10 tons per year BAT exemption) into the Ohio State Implementation Plan (SIP).
- b. These requirements apply once U.S. EPA approves OAC paragraph 3745-31-05(A)(3)(a)(ii) (the less than 10 tons per year BAT exemption) as part of the Ohio SIP.
- c. The material handling operation(s) that are covered by and subject to the following requirements are listed below:

Hopper (load-in)
 Screener(s)
 Conveyor(s)
 Transfer/Conveyor Points

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

Material Handling/Processing Operations	Control Measures*
Loading/Unloading	wet application
Screening	wet application
Transferring and Conveying	wet application

*If at any time the moisture content of the material processed or handled is not sufficient to meet the above applicable requirements, the permittee shall employ a wet suppression system to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

- e. For each phase of the material handling operation that is not adequately enclosed, 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 identified 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.

- f. Implementation of the above-mentioned control measure in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the requirements of OAC rule 3745-17-08(B).
- g. The permittee shall permanently and physically label this screener and associated conveyors with their associated facility identification number, 13-18-57-8710.

c) Operational Restrictions

- (1) This emissions unit shall operate more than 1,440 hours per year.

d) Monitoring and/or Recordkeeping Requirements

(1) Work Practice Plan

The permittee shall develop and implement a site-specific work practice plan designed to minimize or eliminate fugitive dust from the material handling operation(s). This work practice plan shall include, at a minimum, the following elements:

- a. An identification of each piece of material handling equipment, for which the plan applies.
- b. A determination of the frequency that each piece of material handling equipment will be inspected to determine if additional control measures are needed.
- c. The identification of the record keeping form/record that will be used to track the inspection and treatment of each portion of the material handling operation(s). This form/record shall include, at a minimum, the following elements:
 - i. piece of equipment inspected;
 - ii. date inspected;
 - iii. name of employee responsible for inspection or who can verify that the inspection was completed;
 - iv. result of the inspection (needs treated or does not need treated);
 - v. a description of why no treatment was needed;
 - vi. date treated;
 - vii. name of employee responsible for treatment of the material handling operation, or who can verify that the treatment occurred; and
 - viii. treatment method used to reduce the emissions.
- d. A description of how and where the records shall be maintained.



The permittee shall begin using the Work Practice Plan within 30 days from the date Ohio EPA approved the initial plan. As needs warrant, the permittee can modify the Work Practice Plan. The permittee shall submit a copy of proposed revisions to the Work Practice Plan to the appropriate District Office or Local Air Agency (DO/LAA) for review and approval. The permittee can begin using the revised Work Practice Plan once the appropriate DO/LAA has approved its use.

(2) Work Practice Plan Inspections

Except as otherwise provided in this section, the permittee shall perform inspections of each portion of the material processing operation(s) at frequencies described in the Work Practice Plan. The purpose of the inspections is to determine the need for implementing control measures. The inspections shall be performed during representative, normal operating conditions. No inspection shall be necessary for the material processing operations that are 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.

(3) For each portion of the processing operation(s) that is/are not adequately enclosed, the permittee shall perform visible emissions inspections of such operations during representative, normal conditions in accordance with the following frequencies:

Material Processing Operation	Minimum Inspection Frequency
each loading operation (truck dumping into feeder, hopper, or screener)	once daily during operation
each plant conveyor/transfer point	once daily during operation
each screen	once daily during operation
each screener	once daily during operation

(4) Work Practice Plan Record Keeping

The permittee shall maintain records of the following information:

- a. the records required to be collected under the Work Practice Plan; and
- b. the date and reason any element of the Work Practice Plan was not implemented.

The permittee shall maintain these records in accordance to the Standard Terms and Conditions of Part A of this permit.

- (5) The permittee shall maintain monthly records of the hours of operation of this emissions unit.

e) Reporting Requirements

- (1) Within 30 days from the final issuance of this permit, the permittee shall submit their proposed Work Practice Plan to the appropriate DO/LAA.
- (2) The permittee shall submit an annual Permit Evaluation Report (PER) to the Ohio EPA District Office or Local Air Agency by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve months for each air contaminant source identified in this permit.
- (3) The permittee shall identify the following information in the annual PER in accordance with the monitoring and recordkeeping requirements in d) above:
 - a. each day during which an inspection was not performed by the required frequency;
 - b. each instance when a control measure, that was to be implemented as a result of the inspection, was not implemented; and
 - c. any exceedance of the annual operating hours of 1,440 hours.

f) Testing Requirements

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

Visible particulate emissions of fugitive dust shall not exceed 20% opacity as a three-minute average.

Applicable Compliance Method:

If required, 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 22 and the procedures specified in OAC rule 3745-17-03(B).

g) Miscellaneous Requirements

- (1) The potential to emit (PTE) for particulate emissions associated with this process were determined to be 9.9 TPY.
 - a. Emissions from screening operations were calculated using the uncontrolled emission factor for screening operations from AP-42 Table 11.19.2-2 (English Units) and the following equation(s):



Emissions (lbs/hr) = throughput (tons/hr) x emission factor (lbs/ton)

Emissions (TPY) = Emissions (lbs/hr) x 1,440 hours per year x 1 ton/2,000 lbs

- b. Emissions from conveying operations were calculated using the uncontrolled emission factor for conveyor transfer point from AP-42 Table 11.19.2-2 (English Units) and the following equation(s):

Emissions (lbs/hr) = throughput (tons/hr) x emission factor (lbs/ton) x number of transfer points

Emissions (TPY) = Emissions (lbs/hr) x 1,440 hours per year x 1 ton/2,000 lbs)

- (2) This emissions unit was installed December 2015.

2. F008, Construction and Demolition Debris (C&DD) landfill

Operations, Property and/or Equipment Description:

Construction and Demolition Debris (C&DD) landfill and associated material handling operations.

a) This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

(1) For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.

a. None.

(2) For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.

a. None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3)	Particulate emissions shall not exceed 32.9 lbs/hr and 27.37 tons/year. Visible fugitive particulate emissions shall not exceed 10% opacity, as a 3-minute average. No visible emissions of non-regulated asbestos-containing material that has become friable. See c)(7) below.
b.	OAC rule 3745-17-07(B)	The visible emissions limitation specified by this rule is less stringent than the visible emissions limitation established pursuant to OAC rule 3745-31-05(A)(3).

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
c.	OAC rule 3745-17-08(B)	See b)(2)b. through b)(2)d and c)(1) though c)(4) below.
d.	OAC rule 3745-19	See b)(2)g. below.
e.	OAC rule 3745-31-05(F)	See c)1. below.

(2) Additional Terms and Conditions

- a. The potential to emit for fugitive PM, as defined in OAC rule 3745-31-01 for this emissions unit is 27.37 tpy PM.
- b. All vehicles hauling construction and demolition debris (C & DD) materials shall be closed, covered or tarped when coming to and leaving the facility in order to minimize or eliminate visible emissions of fugitive dust and to eliminate load loss.
- c. The permittee shall ensure C & DD materials are deposited, spread and compacted in such a manner as to minimize or prevent visible emissions of fugitive dust.
- d. When dumping and inspecting C & DD materials, the permittee shall implement the following procedures:
 - i. no dusty C & DD materials shall be dumped during periods of high wind speed, unless they have been treated to prevent them from becoming airborne;
 - ii. the permittee shall ensure that all truckloads of C & DD materials are unloaded in a manner which will minimize the drop height of the C & DD materials;
 - iii. any dusty C & DD materials shall be watered as necessary or have a temporary soil cover;
 - iv. during the dumping of any load of C & DD materials, in which dusty C & DD materials become airborne, the C & DD materials shall be watered as necessary to minimize or eliminate visible emissions of fugitive dust; and
 - v. the permittee shall apply a cover to any temporarily stockpiled C & DD materials if they are not moved within one week.
- e. When handling C & DD materials and/or applying cover materials at the working face where the materials will be buried, the permittee shall implement the following procedures:

- i. all exposed C & DD materials shall be covered with cover materials on a weekly basis. When covered, the materials shall remain covered until work begins the next day of operation;
 - ii. the permittee shall ensure that C & DD materials are handled in a manner which will minimize the drop height of the C and DD materials and are dumped as near to the point of final placement as possible;
 - iii. the spreading, inspecting, and compacting of the C & DD materials shall occur at the working face in a manner that will minimize the handling and moving of the materials to the extent possible;
 - iv. the permittee shall minimize the handling and the stockpiling of cover materials, except for top soil;
 - v. unvegetated cover materials and soil in the C & DD material disposal area must be periodically wetted with water in accordance with the inspections per d)(3) below and shall be handled in such a manner as to minimize or eliminate visible emissions of fugitive dust;
 - vi. the frequency and amounts of water applications required by these terms and conditions will depend on weather conditions, cover materials, and soil conditions;
 - vii. a record of water applications required by these terms and conditions shall be maintained at the facility for a period of not less than three years and shall be made available to the Director, or any authorized representative of the Director, for review during normal business hours; and
 - viii. deposition and burial operations of any suspected non-regulated Category I or Category II asbestos-containing material or demolition debris shall be conducted in a manner that prevents any asbestos-containing material from being broken up or dispersed before such materials are buried.
- f. Under Substitute Amended House Bill 397 (Sub. Am. H.B. 397), effective December 22, 2005, Ohio EPA is required to develop rules governing the operation of C & DD landfills. Sub. Am. H.B. 397 authorizes the Director of Ohio EPA to adopt rules requiring contingency plans for effective action in response to hydrogen sulfide or other gases created by the operation of a C & DD facility. Because these rules are not yet written, Ohio EPA has not placed terms and conditions detailing the contingency plan requirements in this permit. However, Ohio EPA believes it is important to have in place a contingency plan to deal with potential hydrogen sulfide/other gas emissions from C & DD facilities. Therefore, as a condition of this permit, the permittee is required to develop and implement a hydrogen sulfide/other gas emission contingency plan by the dates required for sources in the C & DD rules developed in response to Sub. Am. H.B. 297.

- g. There shall be no open burning in violation of OAC Chapter 3745-19 at this facility.
 - h. 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 requirements, 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.
- c) Operational Restrictions
- (1) This emissions unit shall not operate more than 1,664 hours per year.
 - (2) The permittee shall ensure that C & DD materials are deposited, spread, and compacted in such a manner as to minimize or prevent visible emissions of fugitive dust. The permittee shall require all truckloads of C & DD materials to be unloaded in a manner that will minimize the drop height of the C & DD materials. Any dusty materials 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.
 - (3) The permittee shall employ reasonably available control measures for the above-identified landfill fugitive dust operations/sources for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permit application, the permittee maintains that the inherent moisture content of the materials involved in fugitive dust operations/sources is at a level which is more than sufficient to comply with all applicable requirements. If at any time the moisture content is not sufficient to meet the above applicable requirements, the permittee shall employ reasonably available control measures to ensure compliance.
 - (4) 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 measures 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 fugitive dust operation/sources until further observation confirms that use of the control measure(s) is unnecessary.
 - (5) Implementation of the above-mentioned control measures in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the requirements of OAC rule 3745-17-08(B).

- (6) The facility cannot 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 OAC rule 3745-20, or any subsequent revisions to either rule. Regulated asbestos-containing material is defined to include:
- a. friable asbestos material;
 - b. Category I non-friable asbestos-containing material that has become friable;
 - c. Category I non-friable asbestos-containing material that will be or has been subjected to sanding, grinding, cutting or abrading; and
 - d. Category II non-friable ACM 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 subpart M and OAC rule 3745-20.
- (7) Non-regulated asbestos-containing materials include asbestos containing building materials from single dwelling home demolitions having four or fewer units and are not part of a large scale project, Category I and II building materials (e.g., floor tile mastic, caulking and glazing compounds, etc.) determined to be in good condition or pliable, and building materials from demolition or renovation projects generating less than 160 linear feet, 260 square feet or 35 cubic feet of regulated asbestos-containing materials. The Category II asbestos containing materials cannot come from a regulated project.
- (8) The permittee shall be limited to accepting only non-regulated asbestos-containing materials. The permittee shall ensure that any non-regulated Category I and II non-friable asbestos-containing materials accepted for disposal will not become friable during processing at the landfill; and asbestos-containing materials accepted for disposal do not become crumbled, pulverized, or reduced to powder by the forces expected to act on the material during its handling, transfer, and burial at the landfill. If any regulated asbestos-containing material arrives at the landfill it cannot be accepted for disposal; and if any non-regulated asbestos-containing becomes friable after it is accepted for disposal the permittee shall:
- a. not cause or permit visible emissions from the non-regulated Category I or II asbestos-containing materials during on-site transportation, transfer, deposition, or compacting operations;
 - b. assure that deposition and burial operations are conducted in a manner which prevents handling by equipment or persons that causes the non-regulated Category I or II asbestos-containing materials to be broken-up or dispersed before the materials are buried;
 - c. cover the non-regulated Category I or II asbestos-containing material with at least twelve inches of non-asbestos-containing material, as soon as practicable after deposition, but no later than at the end of the operating day; and

- d. during the unloading, deposition, burial, and initial compaction of the non-regulated Category I or II asbestos-containing materials, assure that the disposal site is restricted adequately to deter unauthorized entry of the general public and any unauthorized personnel to within one hundred feet of the operations.
- (9) The permittee shall cover and compact asbestos-containing materials in accordance with the following requirements:
- a. As soon as practical after the placement, but no later than the end of each working day, the non-regulated Category I or II asbestos-containing material shall be covered with at least 12 inches of non-asbestos-containing materials. Once the asbestos-containing materials are covered, the area shall be compacted.
 - b. Care shall be taken to ensure that the disposed non-regulated Category I or II asbestos-containing materials are not re-excavated in subsequent operations. Any accidentally exposed material shall be immediately re-covered in accordance with the provisions of this permit.
 - c. The non-regulated Category I or II asbestos-containing 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 where a permanent cover of vegetation is established over the area; or in accordance with current requirements for closure, whichever is more stringent.
- d) **Monitoring and/or Recordkeeping Requirements**
- (1) The permittee shall maintain monthly records of the hours of operation of this emissions unit.
 - (2) Record keeping of the process emissions is not required since the emissions unit is permitted at its potential to emit for fugitive PM. The potential to emit for fugitive PM from this emissions unit was established based on the PTE calculation identified under f)(1)a. below.
 - (3) The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible emissions of non-regulated asbestos-containing materials that have become friable resulting from any landfill operations (such as C & DD material unloading, handling, covering, excavation, and wind erosion). The presence or absence of any visible emissions of non-regulated asbestos containing material that has become friable 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 total duration of any visible emission incident; and
 - b. any corrective actions taken to eliminate the visible emissions.
 - (4) Except as otherwise provided in this section, the permittee shall perform daily inspections of each landfill operation. 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 an 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 applicable requirements located in b)(2) above. Any required inspection that is not performed due to any of the above-identified events shall be performed as soon as such event(s) has (have) ended, except if the next required inspection is within one week.

- (5) The 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 updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

- (6) The permittee shall maintain records of the total volume or weight of C&DD material received each day and each calendar year. If tracking by weight, the permittee shall operate and maintain a certified scale. These records shall be maintained for a period of not less than three years, and the records shall be available for review by the Director or his representative during normal business hours.
- e) Reporting Requirements
- (1) The reports required by this permit may be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal; or they may be mailed as a hard copy to the Cleveland Division of Air Quality (Cleveland DAQ).
 - (2) The permittee shall submit an annual Permit Evaluation Report (PER) to the Cleveland DAQ by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve months for each air contaminant source identified in this permit.
 - (3) The permittee shall identify the following information in the PER in accordance with the monitoring requirements for inspections in d) above:
 - 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;
 - b. each instance when a control measure, that was to be implemented as a result of an inspection, was not implemented;

- c. the weight or volume of C & DD material deposited during the year;
- d. identify all days during which any visible emissions of non-regulated asbestos-containing materials that became friable were observed from operations involving this emissions unit (such as C & DD material unloading, handling, covering, excavation and wind erosion); and
- e. describe any corrective actions taken to eliminate the visible emissions.

f) **Testing Requirements**

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

a. Emission Limitation:

Particulate emissions shall not exceed 32.9 lbs/hr and 27.37 tons/year.

Applicable Compliance Method:

The above limitation includes contributions of PM from the following activities with the corresponding emission factor (EF) listed (Sources of emissions factors as well as applicable equations to use are referenced in parenthesis):

i. Debris Placement:

EF = 0.016 pound per ton of material placed ("Particulate Emissions Generated by Drop Operations" AP-42, Table 13.2.4, Equation 1);

$$E = k(0.0032)*[(U/5)^{1.3}/(M/2)^{1.4}]$$

Where:

E = emission factor

k = particle size multiplier (dimensionless) = 0.74 for PM and 0.35 for PM₁₀

U = mean wind speed, meters per second (m/s) (miles per hour, mph) = 10.5 mph

M = material moisture content, % = 4%

$$(0.016 \text{ lb PM/ton}) * (80,080 \text{ tons/yr}) * (1 \text{ ton}/2,000 \text{ lbs}) = 0.31 \text{ ton/yr PM}$$

ii. Debris Compaction:

EF = 30.08 pounds per hour (AP-42, Table 13.2.3-1, site preparation, bulldozing (references Table 11.9-1);

s = silt content = 4%

M = moisture content = 1%

$$(30.08 \text{ lbs/hr}) \times (1,664 \text{ hrs/yr}) \times (1 \text{ ton}/2,000 \text{ lbs}) = 131.75 \text{ tons PM/year}$$

iii. Weekly Cover:

EF = 0.016 pound per ton of material placed ("Particulate Emissions Generated by Drop Operations" AP-42, Table 13.2.4, Equation 1.);

$$E = k(0.0032) \times [(U/5)^{1.3}/(M/2)^{1.4}]$$

where:

E = emission factor

k = particle size multiplier (dimensionless) = 0.74 for PM and 0.35 for PM₁₀

U = mean wind speed, meters per second (m/s) (miles per hour, mph) = 10.5 mph

M = material moisture content(%) = 1%

$$(0.016 \text{ lb PM/ton}) \times (80,080 \text{ tons/yr}) \times (1 \text{ ton}/2,000 \text{ lbs}) = 0.64 \text{ ton PM/yr}$$

iv. Wind Erosion:

(AP-42, Table 11.9-4): EF = 0.38 tons of particulates per acre of exposed land per year;

$$(0.38 \text{ tons per acre per year}) \times (2.8 \text{ acres/year}) = 1.06 \text{ tons/year PM and PM}_{10}.$$

b. Emission Limitation:

Visible emissions of fugitive dust shall not exceed 10% opacity as a 3-minute average.

Applicable Compliance Method:

If required, compliance shall be determined by visible emissions evaluations performed in accordance with USEPA Reference Method 9 as set forth in "Appendix A on Test Methods" in 40 CFR Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 1996, and the modifications listed in paragraph (B)(3)(a) and (B)(3)(b) of OAC rule 3745-17-03(B)(3).

c. Emission Limitation:

No visible emissions of non-regulated asbestos-containing material that has become friable.

Applicable Compliance Method:

If required, compliance with the visible emissions limitation listed above shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test



Final Permit-to-Install and Operate
Boyas Excavating, Inc.
Permit Number: P0119799
Facility ID: 1318578710
Effective Date: 5/9/2016

Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 1996.

g) Miscellaneous Requirements

- (1) This emissions unit was installed in May 1974.
- (2) The actual annual operating hours of this emissions unit is 1,664 hours per year (8 hours/day * 208 days/year) as identified by the permittee in PTIO application #[A0054657](#).

3. F009, McCloskey R155 Screener

Operations, Property and/or Equipment Description:

McCloskey R155 Screener and one associated conveyor.

a) This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

(1) For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.

a. None.

(2) For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.

a. None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3)	Develop and implement a site-specific work practice plan designed as described in d)(1) below to minimize or eliminate fugitive dust emissions.
b.	OAC rule 3745-17-07(B)	Visible emissions of fugitive dust shall not exceed twenty percent opacity as a three-minute average.
c.	OAC rule 3745-17-08(B)	Utilize reasonably available control measures to prevent fugitive dust from becoming airborne. See b)(2)a. through b)(2)d. below.
d.	OAC rule 3745-31-05(F)	See c)(1) below.

(2) Additional Terms and Conditions

- a. The material handling operation(s) that are covered by this permit and subject to the following requirements are listed below:

Hopper (load-in)
 Screener(s)
 Conveyor(s)
 Transfer/Conveyor Points

The permittee shall employ reasonably 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 application, the permittee has committed to maintain the following control measures to ensure compliance with the above-mentioned applicable requirements:

Material Handling/Processing Operations	Control Measures*
Loading and unloading	wet application as necessary*
Screening	wet application as necessary*
Transferring and Conveying	wet application as necessary*

*If at any time the moisture content of the material processed or handled is not sufficient to meet the above applicable requirements, the permittee shall employ a wet suppression control system to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

- b. For each material handling operation that is not adequately enclosed, 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 (are) unnecessary.
- c. Implementation of the above-mentioned control measures in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the requirements of OAC rule 3745-17-08(B).
- d. The permittee shall permanently and physically label this crusher, screener, and associated conveyors with their associated facility identification number 13-18-57-8710.

c) Operational Restrictions

- (1) This emissions unit shall not operate more than 1,440 hours per year.

d) Monitoring and/or Recordkeeping Requirements

(1) Work Practice Plan

The permittee shall develop and implement a site-specific work practice plan designed to minimize or eliminate fugitive dust from the material handling operation. This work practice plan shall include, at a minimum, the following elements:

- a. An identification of each piece of material handling equipment for which the work practice plan applies;
- b. The frequency that each piece of material handling equipment will be inspected to determine if additional control measures are needed, as identified in d)(3) below;
- c. The identification of the record keeping form and/or record that will be used to track the inspections and treatment for each portion of the material handling operation. This form/record should include, at a minimum, the following elements:
 - i. piece of equipment inspected;
 - ii. date inspected;
 - iii. name of the employee who either did the inspection or who can verify that the inspection was completed;
 - iv. results of the inspection (needs treated or does not need treated);
 - v. a description of why no treatment was needed;
 - vi. date treated;
 - vii. name of the employee who either treated the material handling operation or who can verify that the treatment occurred; and
 - viii. the treatment method used to reduce the fugitive dust emissions.
- d. A description of how and where the records shall be maintained.

The permittee shall begin using the Work Practice Plan within 30 days from the date Ohio EPA approved the initial plan. As needs warrant, the permittee can modify the Work Practice Plan. The permittee shall submit a copy of proposed revisions to the Work Practice Plan to the Cleveland Division of Air Quality (Cleveland DAQ) for review and approval. The permittee can begin using the revised Work Practice Plan once the Cleveland DAQ has approved its use.

(2) Work Practice Plan Inspections

Except as otherwise provided in this section, the permittee shall perform inspections of each piece of material handling equipment at frequencies described d)(3). The purpose of the inspections is to determine the need for implementing control measures. The inspections shall be performed during representative, normal operating conditions. No inspection shall be necessary if the material handling 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. 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.

(3) For each portion of the material handling operation(s) that are not adequately enclosed, the permittee shall perform visible emissions inspections of such operations during representative, normal conditions in accordance with the following frequencies:

Material Processing Operation	Minimum Inspection Frequency
each loading operation (truck dumping into a feeder, hopper, or screener)	once per day of operation
each plant conveyor and transfer point	once per day of operation
each screen	once per day of operation

(4) Work Practice Plan Record Keeping

The permittee shall maintain records of the following information:

- a. the records required to be collected under the Work Practice Plan; and
- b. the date and reason any element of the Work Practice Plan was not implemented.

The permittee shall maintain these records in accordance to the Standard Terms and Conditions of this permit.

(5) The permittee shall maintain monthly records of the operating hours of this emissions unit.

e) Reporting Requirements

- (1) The permittee shall submit an annual Permit Evaluation Report (PER) to the Ohio EPA District Office or Local Air Agency by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve months for each air contaminant source identified in this permit. It is recommended that the PER is submitted electronically though the Ohio EPA's "e-

Business Center: Air Services” although PERs can be submitted via U.S. postal service or can be hand delivered.

- (2) The permittee shall identify the following information in the annual permit evaluation report (PER) in accordance with the monitoring requirements for inspections in d) above:
 - a. each day during which an inspection was not performed by the required frequency; and
 - b. each instance when a control measure, that was to be implemented as a result of an inspection, was not implemented, and:
 - c. any exceedance of the annual hourly operating limitation of 1,440 hours.
- (3) The reports required by this permit may be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal; or they may be mailed as a hard copy to the Cleveland DAQ.

f) Testing Requirements

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

Visible emissions of fugitive dust shall not exceed 20% opacity, as a 3-minute average.

Applicable Compliance Method:

If required, 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 22 and the procedures specified in OAC rule 3745-17-03(B).

g) Miscellaneous Requirements

- (1) The PTE for particulate emissions generated by this emissions unit were determined to be 44.9 TPY of PM and 12.0 TPY of PM₁₀. The PTE was based on processing 288,000 tons of material annually. The amount of material was derived from multiplying the rated capacity of the screener (200 tons/hour) by the amount of daylight hours when the unit is able to operate (8 hours/day x 30 days/month x 6 months/year) of 1,440 hours per year.
- (2) This emissions unit was installed December 2015.

4. F010, Eagle Crusher

Operations, Property and/or Equipment Description:

250 tph Eagle Crusher and two associated conveyors.

a) This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

(1) For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.

a. None.

(2) For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.

a. None.

b) **Applicable Emissions Limitations and/or Control Requirements**

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3) June 30, 2008 ORC 3704.03(T)	Workplace practice plan for the control of fugitive dust (PM emissions). See d)(1) through d)(3)below.
b.	OAC rule 3745-31-05(A)(3) June 30, 2008 ORC 3704.03(T)	Workplace practice plan for the control of fugitive dust (PM ₁₀ emissions). See b)(2)a. below. See d)(1) through d)(3)below.



	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
c.	OAC rule 3745-31-05(A)(3)(b) June 30, 2008	The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to PM ₁₀ from this emissions unit since the calculated annual emission rate is less than 10 tons/yr taking into account the voluntary restriction from OAC rule 3745-31-05(E). See b)(2)b. below.
d.	OAC rule 3745-17-07(B)	See b)(2)f. below.
e.	OAC rule 3745-17-08(B)	See b)(2)c. through b)(2)f. and d)(1) through d)(3) below.
f.	OAC rule 3745-31-05(F)	See c)(1) below.
g.	40 CFR Part 60, Subpart OOO [In accordance with 40 CFR 60.670(a), this emissions unit is comprised of a crusher, screening operation, conveyors, and storage bins that are affected facilities subject to the emission limitations and requirements specified in this section.]	Visible emission restrictions. See b)(2)f. below and Table 3 to Subpart OOO.
h.	40 CFR Part 60, Subpart A	See Table 1 to Subpart OOO.

(2) Additional Terms and Conditions

- a. This Best Available Technology (BAT) emission limit applies until U.S. EPA approves Ohio Administrative Code (OAC) paragraph 3745-31-05(A)(3)(a)(ii) (the less than 10 tons per year BAT exemption) into the Ohio State Implementation Plan (SIP).
- b. These requirements apply once U.S. EPA approves OAC paragraph 3745-31-05(A)(3)(a)(ii) (the less than 10 tons per year BAT exemption) as part of the Ohio SIP.
- c. The material handling operation(s) that are covered by this permit and subject to the following requirements are listed below:

 Hopper (load-in)
 Screener

Transfer/Conveyor Points

- d. The permittee shall employ reasonably 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 application, the permittee has committed to maintain the following control measures to ensure compliance with the above-mentioned applicable requirements:

Material Handling/Processing Operations	Control Measures
Loading and unloading	Reduced drop height, wet application as necessary.*
Screening	Wet application as necessary.*
Transferring and Conveying	Reduced drop height, wet application as necessary.*

*If at any time the moisture content of the material processed or handled is not sufficient to meet the above applicable requirements, the permittee shall employ a wet suppression control system to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

- e. For each material handling operation that is not adequately enclosed, 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 (are) unnecessary.
- 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 requirements of OAC rule 3745-17-08(B).
- g. The permittee shall not cause to be discharged into the atmosphere, fugitive dust emissions which exhibit greater than the following:

Material Handling and Processing Operation	Opacity Limit*
Truck unloading into feeder.	20%, as a three-minute average.
Screening operations, bucket elevators, transfer points on belt conveyors or any other affected facility.	7%, as a six-minute average.
Crushers with no capture system.	12%, as a six-minute average.
Grinding mills, screening operations, bucket elevators, transfer points on belt conveyors, bagging operations, storage bins, enclosed truck or railcar loading stations, and any other affected facility as defined by this rule.	7%, as a six-minute average.

* The visible emission limitations from 40 CFR Part 60 Subpart OOO have been determined to be more stringent than the visible emission limitations established pursuant to OAC rule 3745-17-07(B). It should be noted that the material handling/processing activity of truck unloading to a feeder is not regulated under 40 CFR Part 60 Subpart OOO and is subject to the visible particulate emission limitations of 20% opacity as a 3-minute average under OAC rule 3745-07(B)(1) when located within the areas identified in "Appendix A" of OAC rule 3745-17-08.

- h. 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.
- i. The permittee shall permanently and physically label this crusher, screener, and associated conveyors with their associated facility identification number 13-18-57-8710
- c) Operational Restrictions
 - (1) This emissions unit shall not operate more than 1,200 hours per year.
- d) Monitoring and/or Recordkeeping Requirements
 - (1) Work Practice Plan

The permittee shall develop and implement a site-specific work practice plan designed to minimize or eliminate fugitive dust from the material handling operation. This work practice plan shall include, at a minimum, the following elements:

- a. An identification of each piece of material handling equipment for which the work practice plan applies;
- b. The frequency that each piece of material handling equipment will be inspected to determine if additional control measures are needed, as identified in d)(3) below;
- c. The identification of the record keeping form and/or record that will be used to track the inspections and treatment for each portion of the material handling operation. This form/record should include, at a minimum, the following elements:
 - i. piece of equipment inspected;
 - ii. date inspected;
 - iii. name of the employee who either did the inspection or who can verify that the inspection was completed;
 - iv. results of the inspection (needs treated or does not need treated);
 - v. a description of why no treatment was needed;
 - vi. date treated;
 - vii. name of the employee who either treated the material handling operation or who can verify that the treatment occurred; and
 - viii. the treatment method used to reduce the fugitive dust emissions.
- d. A description of how and where the records shall be maintained.

The permittee shall begin using the Work Practice Plan within 30 days from the date Ohio EPA approved the initial plan. As needs warrant, the permittee can modify the Work Practice Plan. The permittee shall submit a copy of proposed revisions to the Work Practice Plan to the Cleveland Division of Air Quality (Cleveland DAQ) for review and approval. The permittee can begin using the revised Work Practice Plan once the Cleveland DAQ has approved its use.

(2) Work Practice Plan Inspections

Except as otherwise provided in this section, the permittee shall perform inspections of each piece of material handling equipment at frequencies described d)(3). The purpose of the inspections is to determine the need for implementing control measures. The inspections shall be performed during representative, normal operating conditions. No inspection shall be necessary if the material handling 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. 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.

- (3) For the aggregate processing operations that are not adequately enclosed, the permittee shall perform visible emissions inspections of such operations during representative, normal conditions in accordance with the following frequencies:

Aggregate Processing Operation	Minimum Inspection Frequency
each loading operation (truck dumping into a feeder, hopper, or crusher)	once per day of operation
each plant conveyor & transfer point	once per day of operation
each screen	once per day of operation
crusher	once per day of operation

- (4) Work Practice Plan Record Keeping

The permittee shall maintain records of the following information:

- a. the records required to be collected under the Work Practice Plan; and
- b. the date and reason any element of the Work Practice Plan was not implemented.

The permittee shall maintain these records in accordance to the Standard Terms and Conditions of this permit.

- (5) The permittee shall maintain monthly records of the operating hours of this emissions unit.
- (6) The permittee shall comply with the applicable recordkeeping requirements under 40 CFR Part 60, Subpart OOO, including the following sections:

60.674(b)	monthly inspections and record inspections
60.674(b)(2)	if cease water spray, specify other control
60.676(b)(1)	records of inspections

- e) Reporting Requirements

- (1) The permittee shall submit an annual Permit Evaluation Report (PER) to the Ohio EPA District Office or Local Air Agency by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve months for each air contaminant source identified in this permit. It is recommended that the PER is submitted electronically though the Ohio EPA's "e-



Business Center: Air Services” although PERs can be submitted via U.S. postal service or can be hand delivered.

- (2) The permittee shall identify the following information in the annual permit evaluation report in accordance with the monitoring requirements for inspections in d) above:
 - a. each day during which an inspection was not performed by the required frequency; and
 - b. each instance when a control measure, that was to be implemented as a result of an inspection, was not implemented, and:
 - c. any exceedance of the annual hourly operating limitation of 720 hours.
- (3) The permittee shall comply with the applicable reporting requirements under 40 CFR Part 60, Subpart OOO, including the following sections:

60.676(f)	reports of performance tests
60.676(g)	change from saturated
60.676(i)	notification of startup

- (4) The reports required by this permit may be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal; or they may be mailed as a hard copy to the Cleveland DAQ.

f) Testing Requirements

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

a. Emission Limitation:

Visible emissions of fugitive dust shall not exceed 20% opacity, as a 3-minute average for loading operations (truck dumping into a feeder, hopper, or crusher).

Applicable Compliance Method:

Compliance shall be demonstrated using Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60, Appendix A (Standards of Performance for New Stationary Sources") and the modifications listed in paragraphs (B)(3)(a) and (B)(3)(b) of OAC rule 3745-17-03. See f)(2) and f)(3) below.

b. Emission Limitation:

The permittee shall not cause to be discharged into the atmosphere from any crusher constructed, modified, or reconstructed on or after April 22, 2008, any

visible emissions of fugitive dust which exhibit greater than 12% opacity, as a six minute average.

Applicable Compliance Method:

Compliance shall be demonstrated using Method 9 of 40 CFR Part 60, Appendix A, and the procedures specified in 40 CFR Part 60, Subpart OOO, section 60.675. See f)(2) and f)(3) below.

c. Emission Limitation:

The permittee shall not cause to be discharged into the atmosphere from any grinding mills, screening operations, bucket elevators, transfer points on belt conveyors, bagging operations, storage bins, enclosed truck or railcar loading stations that were constructed, modified, or reconstructed on or after April 22, 2008, and any transfer point or other affected facility enclosed in a building, any visible emissions of fugitive dust which exhibit greater than 7% opacity, as a six minute average.

Applicable Compliance Method:

Compliance shall be demonstrated using Method 9 of 40 CFR Part 60, Appendix A, and the procedures specified in 40 CFR Part 60, Subpart OOO, section 60.675. See f)(2) and f)(3) below.

- (2) The permittee shall conduct, or have conducted, visible emissions testing for all fugitive emissions points of this emissions unit, that are subject to 40 CFR Part 60, Subpart OOO.
- a. Testing shall be conducted in accordance with the provisions of 40 CFR Part 60, Subpart A, section 60.8 and 40 CFR Part 60, Subpart OOO, section 60.675.
 - b. Per 40 CFR Part 60.672(b), the emission testing shall be conducted within 60 days after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup of such facility and at such other times as may be required by the Cleveland DAQ. The emission testing shall be conducted to demonstrate compliance with the allowable visible emission limits for particulate emissions.
 - c. The following test methods shall be employed to demonstrate compliance with the allowable visible emissions rates:

Method 9 of 40 CFR Part 60, Appendix A shall be used to determine opacity. Also see f)(3) below.
 - d. The tests shall be conducted while the emissions unit is operating at its maximum capacity, unless otherwise specified or approved by the Cleveland DAQ.

- e. Except as allowed per f)(3) below, not later than 30 days prior to the proposed test date(s), the permittee shall submit an “Intent to Test” notification to the Cleveland DAQ. The “Intent to Test” notification shall describe in detail the proposed test methods and procedures, the emissions unit operation parameters, the times and dates of the tests, and the person(s) who will be conducting the tests. Failure to submit such notification for review and approval prior to the test(s) may result in the Cleveland DAQ’s refusal to accept the results of the emission test(s).
 - f. Personnel from the appropriate DO or LAA shall be permitted to witness the test, 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 emissions tests shall be signed by the person or persons responsible for the tests and submitted to the Cleveland DAQ within 30 days following completion of the tests. The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the Cleveland DAQ.
- (3) The permittee shall comply with the applicable testing requirements under 40 CFR Part 60, Subpart OOO, including the following sections:

60.675(a)	test methods
60.675(b)(2)	Method 9
60.675(c)(1)	additions to Method 9
60.675(c)(3)	duration of Method 9 observations
60.675(e)	alternatives to Method 9
60.675(g)	may use 7-day notice for test
60.675(i)	postpone test

- (4) In accordance with Table 3 of Subpart OOO, affected facilities controlled by water carryover from upstream water sprays that are inspected according to the requirements in 60.674(b) and 60.676(b) are exempt from the 5-year repeat testing requirement.

g) Miscellaneous Requirements

- (1) The PTE for particulate emissions generated by this emissions unit were determined to be 6.69 TPY of PM and 6.72 TPY of PM₁₀. The PTE was based on the following calculations and annual operating hours of (8 hours per day, 30 days per month and 5 months per year) 1,200 hours.
- (2) This emissions unit was installed December 2015.