State of Ohio Environmental Protection Agency

RE: FINAL PERMIT TO INSTALL **CERTIFIED MAIL**
HAMILTON COUNTY

Street Address: 122 S. Front Street
Lazarus Gov. Center **TELE:** (614) 644-3020 **FAX:** (614) 644-2329
Mailing Address: Lazarus Gov. Center P.O. Box 1049

Application No: 14-05028

DATE: 11/16/2000

CON/AGG Machinery
Tom Moore
11649 Reading Road
Cincinnati, OH 45241

Enclosed please find an Ohio EPA Permit to Install which will allow you to install the described source(s) in a manner indicated in the permit. Because this permit contains several conditions and restrictions, I urge you to read it carefully.

The Ohio EPA is urging companies to investigate pollution prevention and energy conservation. Not only will this reduce pollution and energy consumption, but it can also save you money. If you would like to learn ways you can save money while protecting the environment, please contact our Office of Pollution Prevention at (614) 644-3469.

You are hereby notified that this action by the Director is final and may be appealed to the Ohio Environmental Review Appeals Commission pursuant to Chapter 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. It must be filed within thirty (30) days after the notice of the Directors action. A copy of the appeal must be served on the Director of the Ohio Environmental Protection Agency within three (3) days of filing with the Commission. An appeal may be filed with the Environmental Review Appeals Commission at the following address:

Environmental Review Appeals Commission
236 East Town Street, Room 300
Columbus, Ohio 43215

Very truly yours,

Thomas G. Rigo

Thomas G. Rigo, Manager
Field Operations and Permit Section
Division of Air Pollution Control

CC: USEPA **HCDES**

FINAL PERMIT TO INSTALL 14-05028

Application Number:	14-05028
APS Premise Number:	1431404076
Permit Fee:	**$1200**
Name of Facility:	CON/AGG Machinery
Person to Contact:	Tom Moore
Address:	11649 Reading Road Cincinnati, OH 45241

Location of proposed air contaminant source(s) [emissions unit(s)]:
11649 Reading Road
Cincinnati, **Ohio**

Description of proposed emissions unit(s):
portable aggregate crusher and portable diesel fired generator.

The above named entity is hereby granted a Permit to Install for the above described emissions unit(s) pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this permit does not constitute expressed or implied approval or agreement that, if constructed or modified in accordance with the plans included in the application, the above described emissions unit(s) of environmental pollutants will operate in compliance with applicable State and Federal laws and regulations, and does not constitute expressed or implied assurance that if constructed or modified in accordance with those plans and specifications, the above described emissions unit(s) of pollutants will be granted the necessary permits to operate (air) or NPDES permits as applicable.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Director

Part I - GENERAL TERMS AND CONDITIONS

A. Permit to Install General Terms and Conditions

1. Compliance Requirements

The emissions unit(s) identified in this Permit to Install shall remain in full compliance with all applicable State laws and regulations and the terms and conditions of this permit.

2. Reporting Requirements Related to Monitoring and Recordkeeping Requirements

The permittee shall submit required reports in the following manner:

a. Reports of any required monitoring and/or recordkeeping information shall be submitted to the appropriate Ohio EPA District Office or local air agency.

b. Except as otherwise may be provided in the terms and conditions for a specific emissions unit, quarterly written reports of (a) any deviations (excursions) from emission limitations, operational restrictions, and control device operating parameter limitations that have been detected by the testing, monitoring, and recordkeeping requirements specified in this permit, (b) the probable cause of such deviations, and (c) any corrective actions or preventive measures which have been or will be taken, shall be submitted to the appropriate Ohio EPA District Office or local air agency. If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.)

3. Records Retention Requirements

Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of five years from the date the record was created. Support information shall include, but not be limited to, all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. Such records may be maintained in computerized form.

4. Inspections and Information Requests

The Director of the Ohio EPA, or an authorized representative of the Director, may, subject to the safety requirements of the permittee and without undue delay, enter upon the premises of this source at any reasonable time for purposes of making inspections, conducting tests, examining records or reports pertaining to any emission of air contaminants, and determining compliance with any applicable State air pollution laws and regulations and the terms and conditions of this permit. The permittee shall furnish to the Director of the Ohio EPA, or an authorized

representative of the Director, upon receipt of a written request and within a reasonable time, any information that may be requested to determine whether cause exists for modifying, reopening or revoking this permit or to determine compliance with this permit. Upon verbal or written request, the permittee shall also furnish to the Director of the Ohio EPA, or an authorized representative of the Director, copies of records required to be kept by this permit.

5. Scheduled Maintenance/Malfunction Reporting

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. The malfunction of any emissions units or any associated air pollution control system(s) shall be reported to the appropriate Ohio EPA District Office or local air agency in accordance with paragraph (B) of OAC rule 3745-15-06. Except as provided in that rule, any scheduled maintenance or malfunction necessitating the shutdown or bypassing of any air pollution control system(s) shall be accompanied by the shutdown of the emissions unit(s) that is (are) served by such control system(s).

6. Permit Transfers

Any transferee of this permit shall assume the responsibilities of the prior permit holder. The appropriate Ohio EPA District Office or local air agency must be notified in writing of any transfer of this permit.

7. Air Pollution Nuisance

The air contaminants emitted by the emissions units covered by this permit shall not cause a public nuisance, in violation of OAC rule 3745-15-07.

8. Termination of Permit to Install

This Permit to Install shall terminate within eighteen months of the effective date of the Permit to Install if the owner or operator has not undertaken a continuing program of installation or modification or has not entered into a binding contractual obligation to undertake and complete within a reasonable time a continuing program of installation or modification. This deadline may be extended by up to 12 months if application is made to the Director within a reasonable time before the termination date and the party shows good cause for any such extension.

9. Construction of New Sources(s)

The proposed emissions unit(s) shall be constructed in strict accordance with the plans and application submitted for this permit to the Director of the Ohio Environmental Protection Agency. There may be no deviation from the approved plans without the express, written approval of the Agency. Any deviations from the approved plans or the above conditions may lead to such sanctions and penalties as provided under Ohio law. Approval of these plans does not constitute an assurance that the proposed facilities will operate in compliance with all Ohio laws and regulations. Additional facilities shall be installed upon orders of the Ohio

Environmental Protection Agency if the proposed sources are inadequate or cannot meet applicable standards.

If the construction of the proposed emissions unit(s) has already begun or has been completed prior to the date the Director of the Environmental Protection Agency approves the permit application and plans, the approval does not constitute expressed or implied assurance that the proposed facility has been constructed in accordance with the approved plans. The action of beginning and/or completing construction prior to obtaining the Director's approval constitutes a violation of OAC rule 3745-31-02. Furthermore, issuance of the Permit to Install does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. Approval of the plans in any case is not to be construed as an approval of the facility as constructed and/or completed. Moreover, issuance of the Permit to Install is not to be construed as a waiver of any rights that the Ohio Environmental Protection Agency (or other persons) may have against the applicant for starting construction prior to the effective date of the permit. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed facilities prove to be inadequate or cannot meet applicable standards.

10. Public Disclosure

The facility is hereby notified that this permit, and all agency records concerning the operation of this permitted source, are subject to public disclosure in accordance with OAC rule 3745-49-03.

11. Applicability

This Permit to Install is applicable only to the emissions unit(s) identified in the Permit to Install. Separate application must be made to the Director for the installation or modification of any other emissions unit(s).

12. Best Available Technology

As specified in OAC Rule 3745-31-05, all new sources must employ Best Available Technology (BAT). Compliance with the terms and conditions of this permit will fulfill this requirement.

13. Source Operation and Operating Permit Requirements After Completion of Construction

This facility is permitted to operate each source described by this Permit to Install for a period of up to one year from the date the source commenced operation. This permission to operate is granted only if the facility complies with all requirements contained in this permit and all applicable air pollution laws, regulations, and policies. Pursuant to OAC Chapter 3745-35, the permittee shall submit a complete operating permit application within thirty (30) days after commencing operation of the emissions unit(s) covered by this permit.

14. Construction Compliance Certification

The applicant shall provide Ohio EPA with a written certification (see enclosed form) that the facility has been constructed in accordance with the Permit to Install application and the terms and conditions of the Permit to Install. The certification shall be provided to Ohio EPA upon completion of construction but prior to startup of the source.

15. Fees

The permittee shall pay fees to the Director of the Ohio EPA in accordance with ORC section 3745.11 and OAC Chapter 3745-78. The permittee shall pay all applicable Permit to Install fees within 30 days after the issuance of this Permit to Install.

B. Permit to Install Summary of Allowable Emissions

The following information summarizes the total allowable emissions, by pollutant, based on the individual allowable emissions of each air contaminant source identified in this permit.

SUMMARY (for informational purposes only)
TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS

Pollutant	Tons Per Year
PM	8.4
PM10	4.9
SO2	1.61
NOx	24.6
CO	5.29
OC	2.0

Emissions Unit ID: **F002**

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

A. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
F002 - 200 TPH Portable Aggregate Crusher	OAC rule 3745-31-05(A)(3)	1.51 lbs PM/hr, 6.63 TPY PM 0.72 lb PM10/hr, 3.13 TPY PM10 See terms B.1 and B.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)
	40 CFR Part 60 Subpart OOO	See term A.2.2.b.
	OAC rule 3745-17-07(B)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to 40 CFR Part 60, Subpart OOO
	OAC rule 3745-17-08(B)	See term B.2.

2. Additional Terms and Conditions

2.a Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by opacity limitations and the use of water sprays to keep material moist.

2.b Fugitive particulate emissions from any crusher shall not exceed 15 percent opacity.

2.c The hourly emission limitations outlined above are based upon the emission unit's potential to emit. Therefore, no hourly records are required to demonstrate compliance with these limits.

2.d 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.

B. Operational Restrictions

1. Water sprays shall be operated at points necessary to ensure compliance with the visible emission limitations specified in term A.2.2.b for the crushing operation.

2. Aggregate product loaded onto trucks shall have a moisture content sufficient to minimize visible emissions of fugitive dust and the loading drop height shall not exceed fifteen (15) feet.

3. The maximum production rate for this emissions unit shall not exceed 200 tons of aggregate per hour and 1,752,000 tons per year.

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain monthly records of the amount of aggregate processed in this emissions unit.

D. Reporting Requirements

1. The permittee shall submit annual reports to the Hamilton County Department of Environmental Services that identify any exceedances of the annual aggregate production limitation, as well as the corrective actions that were taken to achieve compliance. If no exceedances occurred, then the permittee shall state so in the report. These reports shall be submitted by January 31 of each year.

2. Pursuant to the NSPS, the source owner/operator is hereby advised of the requirement to report the following at the appropriate times:

   a. Construction date (no later than 30 days after such date);

   b. Anticipated start-up date (not more than 60 days or less than 30 days prior to such date);

c. Actual start-up date (within 15 days after such date); and,

d. Date of performance testing (if required, at least 30 days prior to testing).

Reports are to be sent to:

Ohio Environmental Protection Agency
DAPC - Permit Management Unit
P.O. Box 163669
Columbus, Ohio 43216-3669

and

Hamilton County Department of Environmental Services
250 William Howard Taft Road
Cincinnati, Ohio 45219

E. Testing Requirements

1. The permittee shall conduct, or have conducted, fugitive emission testing for emissions unit F002 in accordance with the following requirements:

   a. The emission testing shall be conducted within 60 days after achieving maximum production but no later than 180 days after initial startup.

   b. The emission testing shall be conducted to demonstrate compliance with 40 CFR Part 60 Subpart OOO;

   c. Compliance with the opacity limits of this permit shall be determined by using US EPA Reference Test Method 9. The minimum distance between the observer and the emission source shall be 4.57 meters (15 feet).

   d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency;

      Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air 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), 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 Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test(s).

Personnel from the appropriate Ohio EPA District Office or local air 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.

A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s).

2. Compliance with the lbs/hr and TPY PM and PM10 emission limitations in section A.1. shall be demonstrated by calculations using the emission factors from AP-42, Table 11.19.2-2, Fifth Edition, 1995.

3. Compliance with the production limit in term B.3 shall be determined by the recordkeeping in term C.1.

F. Miscellaneous Requirements

1. Notice to Relocate a Portable or Mobile Source

Pursuant to Ohio Administrative Code (OAC) rule 3745-31-03(A)(1)(p)(i), the permittee of a portable or mobile emissions unit may relocate within the State of Ohio without first obtaining a PTI providing the following criteria are met:

a. The portable emissions unit is equipped with the best available control technology for such portable emissions unit;

b. The portable emissions unit is operating pursuant to a currently effective permit to operate (PTO);

c. The applicant has provided proper notice of intent to relocate the portable emissions unit to the Department of Environmental Services and the appropriate field office having jurisdiction over the new site within a minimum of thirty days prior to the scheduled relocation; and

d. In the Department of Environmental Services and the appropriate field office's judgement, the proposed site is acceptable under the rule 3745-15-07 of the Administrative Code.

In the alternative, pursuant to OAC rule 3745-31-03(A)(1)(p)(ii), the permittee of a portable or mobile emissions unit may relocate within the State of Ohio without first obtaining a PTI providing the following criteria of OAC rule 3745-31-05(F) are met:

e. The portable emissions unit permittee possesses an Ohio EPA PTI, PTO or registration status;

f. The portable emissions unit is equipped with best available technology;

g. The portable emission unit owner has identified the proposed site to the Ohio EPA;

h. The Ohio EPA has determined that the portable emissions unit, at the proposed site, will have an acceptable environmental impact;

i. A public notice, consistent with Chapter 3745-47 of the Administrative Code, is published in the county where the proposed site is located;

j. The owner of the proposed site has provided the portable emissions unit owner with approval or equivalent declaration that it is acceptable to the site owner to move the portable emissions unit to this proposed site; and

k. The portable emissions unit owner has provided the Ohio EPA with fifteen days written notice of the relocation.

Any site approvals issued by the Ohio EPA, pursuant to F.1. above, shall be valid for no longer than three years and are subject to renewal.

In order for the Department of Environmental Services and the appropriate field office having jurisdiction over the new site to determine compliance with all of the above criteria, the owner or operator of the portable or mobile emissions unit must file a "Notice of Intent to Relocate", within the specified time frame (30 or 15 days) prior to the relocation of the emissions unit with the Department of Environmental Services (250 William Howard Taft Road, Cincinnati, OH 45219) and the appropriate field office having jurisdiction over the new site.

Upon receipt of the notice, the Department of Environmental Services and/or appropriate field office having jurisdiction over the new site, will evaluate the request in accordance with the above

criteria.

Failure to submit said notification and to receive the Ohio EPA's approval prior to relocation of the emissions unit may result in fines and civil penalties.

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

A. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P002 - portable diesel fired generator	OAC rule 3745-31-05(A)(3)	0.53 lbs PM/PM10/hr, 1.74 TPY PM/PM10 0.49 lb SO2/hr, 1.61 TPY SO2 7.5 lbs NOx/hr, 24.6 TPY NOx 1.61 lbs CO/hr, 5.29 TPY CO 0.61 lb OC/hr, 2.0 TPY OC The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A)(1)
	OAC rule 3745-17-07(A)(1)	Visible particulate emissions from any stack shall not exceed 20 percent opacity, as a six-minute average, except as specified by rule.
	OAC rule 3745-17-11(B)(5)(a)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3)

2. Additional Terms and Conditions

2.a Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by compliance with

the emission limitations, limitation on the operating hours and the visible particulate emission limitation.

2.b The hourly emissions limitations outlined are based upon the emissions unit's Potential to Emit (PTE). Therefore, no hourly records are required to demonstrate compliance with these limits.

B. Operational Restrictions

1. The annual operating hours for this emissions unit shall not exceed 6570 hours per year.

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain monthly records of the operating hours for this emissions unit. These records shall be summarized at the end of the calender year.

2. The permittee shall maintain records of the dates and places in which this emissions unit is relocated.

D. Reporting Requirements

1. The permittee shall submit annual reports that identify any exceedances of the operating hours limitation, as well as the corrective actions that were taken to achieve compliance. These reports shall be submitted by January 31 of each year.

E. Testing Requirements

1. Compliance with the visible particulate limitation shall be demonstrated by the methods outlined in 40 CFR Part 60, Appendix A, Method 9.

2. Compliance with the emission limitations in this permit shall be determined in accordance with the emission factors from AP-42 Table 3.3-1 (10/96).

3. Compliance with the annual hours of operation limitation in term B.1 shall be demonstrated by the record-keeping in term C.1.

F. Miscellaneous Requirements

1. <u>Notice to Relocate a Portable or Mobile Source</u>

Emissions Unit ID: **P002**

Pursuant to Ohio Administrative Code (OAC) rule 3745-31-03(A)(1)(p)(i), the permittee of a portable or mobile emissions unit may relocate within the State of Ohio without first obtaining a PTI providing the following criteria are met:

a. The portable emissions unit is equipped with the best available control technology for such portable emissions unit;

b. The portable emissions unit is operating pursuant to a currently effective permit to operate (PTO);

c. The applicant has provided proper notice of intent to relocate the portable emissions unit to the Department of Environmental Services and the appropriate field office having jurisdiction over the new site within a minimum of thirty days prior to the scheduled relocation; and

d. In the Department of Environmental Services and the appropriate field office's judgement, the proposed site is acceptable under the rule 3745-15-07 of the Administrative Code.

In the alternative, pursuant to OAC rule 3745-31-03(A)(1)(p)(ii), the permittee of a portable or mobile emissions unit may relocate within the State of Ohio without first obtaining a PTI providing the following criteria of OAC rule 3745-31-05(F) are met:

e. The portable emissions unit permittee possesses an Ohio EPA PTI, PTO or registration status;

f. The portable emissions unit is equipped with best available technology;

g. The portable emission unit owner has identified the proposed site to the Ohio EPA;

h. The Ohio EPA has determined that the portable emissions unit, at the proposed site, will have an acceptable environmental impact;

i. A public notice, consistent with Chapter 3745-47 of the Administrative Code, is published in the county where the proposed site is located;

j. The owner of the proposed site has provided the portable emissions unit owner with approval or equivalent declaration that it is acceptable to the site owner to move the portable emissions unit to this proposed site; and

k. The portable emissions unit owner has provided the Ohio EPA with fifteen days written notice of the relocation.

Any site approvals issued by the Ohio EPA, pursuant to F.1. above, shall be valid for no longer than three years and are subject to renewal.

In order for the Department of Environmental Services and the appropriate field office having jurisdiction over the new site to determine compliance with all of the above criteria, the owner or operator of the portable or mobile emissions unit must file a "Notice of Intent to Relocate", within the specified time frame (30 or 15 days) prior to the relocation of the emissions unit with the Department of Environmental Services (250 William Howard Taft Road, Cincinnati, OH 45219) and the appropriate field office having jurisdiction over the new site.

Upon receipt of the notice, the Department of Environmental Services and/or appropriate field office having jurisdiction over the new site, will evaluate the request in accordance with the above criteria.

Failure to submit said notification and to receive the Ohio EPA's approval prior to relocation of the emissions unit may result in fines and civil penalties.

NEW SOURCE REVIEW FORM B

PTI Number: 14-05028 Facility ID: 1431404076

FACILITY NAME CON/AGG Machinery

FACILITY DESCRIPTION portable aggregate crusher and portable diesel fired generator CITY/TWP Cincinnati

SIC CODE 1440 SCC CODE 3-05-020-03 EMISSIONS UNIT ID F002

EMISSIONS UNIT DESCRIPTION Portable Aggregate Crusher

DATE INSTALLED upon issuance

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter	Attainment	1.51 lbs/hr	6.63	1.51 lbs/hr	6.63
PM_{10}	Attainment	0.72 lb/hr	3.13	0.72 lb/hr	3.13
Sulfur Dioxide					
Organic Compounds					
Nitrogen Oxides					
Carbon Monoxide					
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS? 40 CFR Part 60 Subpart OOO NESHAP? PSD? OFFSET POLICY?

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?
BAT is satisfied by the use of water sprays to keep material moist and the opacity limitation.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? No

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? $

TOXIC AIR CONTAMINANTS

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED*? _____ YES X NO

IDENTIFY THE AIR CONTAMINANTS: _____

13136.wpd

NEW SOURCE REVIEW FORM B

PTI Number: 14-05028 Facility ID: 1431404076

FACILITY NAME COUNTY/AGG Machinery

FACILITY DESCRIPTION portable aggregate crusher and portable diesel fired generator CITY/TWP Cincinnati

SIC CODE 1440 SCC CODE 2-03-001-01 EMISSIONS UNIT ID P002

EMISSIONS UNIT DESCRIPTION portable diesel fired generator

DATE INSTALLED upon issuance

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter	Attainment	0.53 lb/hr	1.74	0.53 lb/hr	1.74
PM_{10}	Attainment	0.53 lb/hr	1.74	0.53 lb/hr	1.74
Sulfur Dioxide	Attainment	0.49 lb/hr	1.61	0.49 lb/hr	1.61
Organic Compounds	Attainment	0.61 lb/hr	2.0	0.61 lb/hr	2.0
Nitrogen Oxides	Attainment	7.5 lbs/hr	24.6	7.5 lbs/hr	24.6
Carbon Monoxide	Attainment	1.61 lbs/hr	5.29	1.61 lbs/hr	5.29
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS? NESHAP? PSD? OFFSET POLICY?

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?
BAT is compliance with emission limitations, annual operating hours limitation and visible particulate emission limitations.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? No

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? $

TOXIC AIR CONTAMINANTS

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED*? _____ YES X NO

IDENTIFY THE AIR CONTAMINANTS: _____

NEW SOURCE REVIEW FORM B

PTI Number: 14-05028 Facility ID: 1431404076

FACILITY NAME COUNTY/AGG Machinery

FACILITY DESCRIPTION portable aggregate crusher and portable diesel fired generator CITY/TWP Cincinnati

Ohio EPA Permit to Install Information Form Please describe below any documentation which is being submitted with this recommendation (must be sent the same day). Electronic items should be submitted with the e-mail transmitting the PTI terms, and in software that CO can utilize. If mailing any hard copy, this section must be printed as a cover page. All items must be clearly labeled indicating the PTI name and number. Submit hard copy items to **Pam McGraner**, AQM&P, DAPC, Central Office, and electronic files to **airpti@epa.state.oh.us**

Please fill out the following. If the checkbox does not work, replace it with an 'X'	Electronic	**Additional information** File Name Convention (your PTI # plus this letter)	Hard Copy	None
Calculations (required)	☐	0000000**c**.wpd	☒	☐
Modeling form/results	☐	0000000**s**.wpd	☐	☒
PTI Application (complete or partial)*	☐	0000000**a**.wpd	☐	☒
BAT Study	☐	0000000**b.**wpd	☐	☒
Other/misc.	☐	0000000**t**.wpd	☐	☒

* Mandatory for netting, PSD, nonattainment NSR, 112(g), 21-07(G)(9)(g) and 21-09(U)(2)(f) - 2 complete copies.

Please complete (see comment bubble to the left for additional instructions):

NSR Discussion

NONE

Please complete for these type permits (For PSD/NSR Permit, place mouse over this text):

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

Permit To Install **ENTER PTI NUMBER HERE**

A. Source Description

B. Facility Emissions and Attainment Status

C. Source Emissions

D. Conclusion

PLEASE PROVIDE ADDITIONAL NOTES OR COMMENTS AS NECESSARY:

Permit Review Narrative
PTI 14-05028

CON/AGG Machinery
11649 Reading Road
Cincinnati, Ohio 45241

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NEW SOURCE REVIEW FORM B

PTI Number: 14-05028 Facility ID: 1431404076

FACILITY NAME COUNTY/AGG Machinery

FACILITY DESCRIPTION	portable aggregate crusher and portable diesel fired generator	CITY/TWP	Cincinnati

PN: 1431404076

CON/AGG Machinery leases and sells portable diesel generators and portable impact crushers. The crushers are powered by the diesel generators and they are used to crush concrete from demolition or recycled asphaltic concrete material on roadway projects. This equipment although designed like crushers used in aggregate processing plants, is not used in a process line with other crushers, screens and other related equipment.

The OAC rules governing the crusher are 3745-31-05(A)(3) (BAT), 3745-15-07, 3745-17-07(B), 3745-17-08(B) and 40 CFR Part 60, Subpart OOO (NSPS). The OAC rules governing the diesel generator are 3745-31-05(A)(3) (BAT), 3745-17-07(A)(1) and 3745-17-11(B)(5)(a).

The potential emissions from both emissions units combined are as follows: 8.4 TPY PM, 4.9 TPY PM10, 1.61 TPY SO2, 24.6 TPY NOx, 5.3 TPY CO and 1.94 TPY OC.

The crusher is a 200 TPH impact crusher. Water sprays are added to reduce visible emissions to the NSPS allowable of less than 15% opacity. BAT for the crusher is the opacity limitation, a production limit and the use of the water spray.

BAT for the generator is compliance with all applicable regulations and emission limitations.

Potential emissions are below the thresholds for Title V applicability. However, at maximum capacity, 8760 hours/year, the NOX emissions were greater than the Ohio Significant Emissions Rate of 25 TPY. Modeling was completed using Screen III, and the ground level concentration exceeded allowable increment consumption. Therefore, CON/AGG will accept operating restrictions to reduce emissions to below 25 TPY NOx.. If restricted to a schedule of 18 hours per day, 365 days per year, (6570 hours/year), annual NOx emissions are 24.6 TPY. Recordkeeping of the hours of operation will be required to demonstrate compliance with the hourly restriction.

A direct final PTI should be issued for these emission units.

The permit fee is: F002 (based on PWR of 200 TPH) = $1000
P002 (based on min PWR) = $200
TOTAL = $1200

Prepared by: Kathy Baldock
Date prepared: November 1, 2000

Please complete:

13136.wpd

NEW SOURCE REVIEW FORM B

PTI Number: 14-05028 Facility ID: 1431404076

FACILITY NAME COUNTY/AGG Machinery

FACILITY DESCRIPTION portable aggregate crusher and portable diesel fired generator CITY/TWP Cincinnati

SUMMARY (for informational purposes only)

TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS

Pollutant	Tons Per Year
PM	8.4
PM10	4.9
SO2	1.61
NOx	24.6
CO	5.29
OC	2.0