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

2/19/2014

Certified Mail

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

Mr. Rick Powers
TRANSPORTATION RESEARCH CENTER INC
10820 S.R. 347
East Liberty, OH 43319

RE: DRAFT AIR POLLUTION PERMIT-TO-INSTALL AND OPERATE

Facility ID: 0546000058
Permit Number: P0116121
Permit Type: Initial Installation
County: Logan

Dear Permit Holder:

A draft of the Ohio Administrative Code (OAC) Chapter 3745-31 Air Pollution Permit-to-Install and Operate (PTIO)for the referenced facility has been issued for the emissions unit(s) listed in the Authorization section of the enclosed draft permit. This draft action is not an authorization to begin construction or modification of your emissions unit(s). The purpose of this draft is to solicit public comments on the permit. A public notice will appear in the Ohio Environmental Protection Agency (EPA) Weekly Review and the local newspaper, Bellefontaine Examiner. A copy of the public notice and the draft permit are enclosed. This permit can be accessed electronically on the Division of Air Pollution Control (DAPC) Web page,www.epa.ohio.gov/dapc by clicking the "Search for Permits" link under the Permitting topic on the Programs tab. Comments will be accepted as a marked-up copy of the draft permit or in narrative format. Any comments must be sent to the following:

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

and

Ohio EPA DAPC, Southwest District Office
401 East Fifth Street
Dayton, OH 45402

Comments and/or a request for a public hearing will be accepted within 30 days of the date the notice is published in the newspaper. You will be notified if a public hearing is scheduled. A decision on issuing a final permit-to-install will be made after consideration of comments received and oral testimony if a public hearing is conducted. Any permit fee that will be due upon issuance of a final Permit-to-Install is indicated in the Authorization section. Please do not submit any payment now. If you have any questions, please contact Ohio EPA DAPC, Southwest District Office at (937)285-6357.

Sincerely,

Michael W. Ahern

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

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

Permit Strategy Write-Up

1. Check all that apply:

   X Synthetic Minor Determination

   Netting Determination

2. Source Description:

   Automobile test facility

   TRANSPORTATION RESEARCH CENTER INC. is a facility located in Logan County, Ohio which involves a number of vehicle tracks and engines dynamometers for testing all sorts of vehicles and engines. This permit covers the installation of two new testing dynamometers.

3. Facility Emissions and Attainment Status:

   This facility has requested a synthetic minor limits the emissions in order to minimize the potential emissions and maintain the facility-wide emissions under Title V thresholds.

   The existing emissions units are covered in FEPTIO Renewal P0116122 and have federally enforceable stacked emissions limitations of 65.85 tons of nitrogen oxides (NOX) and 24.0 tons of carbon monoxide (CO) per rolling 12 month period.

   The facility has requested that the new dynamometers be limited to 2,000 hours of operations per rolling 12 month period.

4. Source Emissions:

   The two new dynamometers are as follows:

   P007, Magtrol 40 hp, with enforceable rolling 12 month emissions of 1.24 tons NOx and 0.28 tons of CO; and
   P008, AVL Dyno 322 hp with enforceable rolling 12 month emissions of 9.98 tons NOx and 2.24 tons of CO.

5. Conclusion:

   The federally enforceable limitations on NOx and CO based on the operating hour restriction will result in facility-wide potential emissions below Title V applicability thresholds.

   NOx: 65.85 existing + 1.24 P007 + 9.98 tons P008 = 77.07 tons of NOX per rolling 12 month period; and

   CO: 24.00 existing + 0.28 P007 + 2.24 P008 = 26.52 tons of CO per rolling 12 month period.

6. Please provide additional notes or comments as necessary:

   None

7. Total Permit Allowable Emissions Summary (for informational purposes only):

Pollutant	Tons Per Year
NOx	11.22
CO	2.52
VOC	7.42
PE (PM10/PM2.5)	0.80
SO2	0.74

PUBLIC NOTICE
2/19/2014 Issuance of Draft Air Pollution Permit-To-Install and Operate

TRANSPORTATION RESEARCH CENTER INC
10820 S.R. 347,
East Liberty, OH 43319
Logan County
FACILITY DESC.: Testing Laboratories
PERMIT #: P0116121
PERMIT TYPE: Initial Installation
PERMIT DESC: Installation of two dynamometers (40 hp and 322 hp units) with limits on the hours of operation.

The Director of the Ohio Environmental Protection Agency issued the draft permit above. The permit and complete instructions for requesting information or submitting comments may be obtained at: http://epa.ohio.gov/dapc/permitsonline.aspx by entering the permit # or: Craig Osborne, Ohio EPA DAPC, Southwest District Office, 401 East Fifth Street, Dayton, OH 45402. Ph: (937)285-6357

DRAFT

Division of Air Pollution Control
Permit-to-Install and Operate
for
TRANSPORTATION RESEARCH CENTER INC

Facility ID:	0546000058
Permit Number:	P0116121
Permit Type:	Initial Installation
Issued:	2/19/2014
Effective:	To be entered upon final issuance
Expiration:	To be entered upon final issuance

Division of Air Pollution Control
Permit-to-Install and Operate
for
TRANSPORTATION RESEARCH CENTER INC

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Authorization

Facility ID:	0546000058
Application Number(s):	A0049681
Permit Number:	P0116121
Permit Description:	Installation of two dynamometers (40 hp and 322 hp units) with limits on the hours of operation.
Permit Type:	Initial Installation
Permit Fee:	$400.00 *DO NOT send payment at this time, subject to change before final issuance*
Issue Date:	2/19/2014
Effective Date:	To be entered upon final issuance
Expiration Date:	To be entered upon final issuance
Permit Evaluation Report (PER) Annual Date:	To be entered upon final issuance

This document constitutes issuance to:

TRANSPORTATION RESEARCH CENTER INC
10820 S.R. 347
East Liberty, OH 43319

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:

Ohio EPA DAPC, Southwest District Office
401 East Fifth Street
Dayton, OH 45402
(937)285-6357

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
Interim Director

Authorization (continued)

Permit Number: P0116121
Permit Description: Installation of two dynamometers (40 hp and 322 hp units) with limits on the hours of operation.

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

Emissions Unit ID:	**P007**
Company Equipment ID:	Magtrol 40hp
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	**P008**
Company Equipment ID:	AVL Dyno 322 hp
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable

A. Standard Terms and Conditions

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

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

2. Who is responsible for complying with this permit?

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

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

3. What records must I keep under this permit?

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

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

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

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

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

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

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

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

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

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

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

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

7. What reports must I submit under this permit?

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

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

If you are required to obtain a Title V permit under OAC Chapter 3745-77 in the future, the permit-to-operate portion of this permit will be superseded by the issued Title V permit. From the effective date of the Title V permit forward, this PTIO will effectively become a PTI (permit-to-install) in accordance with OAC rule 3745-31-02(B). The following terms and conditions 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 Ohio EPA DAPC, Southwest District Office 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 beingpermanently shut down without first applying for and obtaining a permit pursuantto OAC Chapter 3745-31.

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

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

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

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

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

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

B. Facility-Wide Terms and Conditions

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

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

      (1) None.

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

      (1) None.

C. Emissions Unit Terms and Conditions

1. P007, Magtrol 40hp

Operations, Property and/or Equipment Description:

Magtrol 40hp (40 hp gas/diesel dyno)

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 paragraph 3745-31-05(A)(3), effective 11/30/01.	Limited hours of operations per rolling 12 month period..
b.	OAC rule 3745-31-05(A)(3)(a)(ii) as effective 12/01/06	See Section b)(2)b, below.
c.	OAC rule 3745-31-05(D) (In order to minimize the overall emissions and maintain the overall facility emissions below Title V thresholds)	The emissions from this emissions unit shall not exceed to the following annual restrictions: 0.28 tons of CO/ rolling 12-month period; 1.24 tons of NOx/ rolling 12-month period; 0.82 tons of VOC/ rolling 12-month period; 0.09 tons of PE(PM10)/ rolling 12-month period; and 0.08 tons of SO2/ rolling 12-month period.
d.	OAC rule 3745-17-07(A)	See Section b)(2)c., below.
e.	OAC rule 3745-17-11	See Section b)(2)d. below
f.	OAC rule 3745-18-06(G)	See Section b)(2)e. below.

(2) Additional Terms and Conditions

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

b. The BAT requirements under OAC rule 3745-31-05(A)(3) do not apply to the emissions from this air contaminant source since the potential to emit is less than ten tons per year.

c. This emissions unit is exempt from the visible particulate emission limitations specified in OAC rule 3745-17-07(A), pursuant to OAC rule 3745-17-07(A)(3)(h), because the emissions unit is not subject to the requirements of OAC rule 3745-17-11.

d. The uncontrolled mass rate of PE from this emissions unit is less than 10 pounds per hour. Therefore, pursuant to OAC rule 3745-17-11(A)(2)(a)(I), Figure II of OAC rule 3745-17-11 does not apply. In addition, Table I of OAC rule 3745-17-11 does not apply because the process weight, as defined in OAC rule 3745-17-01(B)(14), is equal to zero.*

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

c) Operational Restrictions

(1) The permittee shall employ only unleaded gasoline**,** auto diesel, liquid propane gas (LPG), compressed natural gas (CNG), and/or fuel hydrogen as fuel when operating this emissions unit.

(2) The hours of operation of this emissions unit shall not exceed 2,000 hours, based upon a rolling 12-month period.

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall maintain the following monthly records:

a. the number of hours that this emissions unit was operated;

b. the rolling, 12-month summation of the combined operating hours; and

c. The name, and identification number (if any) of each unleaded gasoline, auto diesel, and/or any other fuel burned in this emissions unit.

e) Reporting Requirements

(1) The permittee shall submit quarterly deviation (excursion) reports that identify:

a. all deviations (excursions) of the following emission limitations, operational restrictions and/or control device operating parameter limitations that restrict the Potential to Emit (PTE) of any regulated air pollutant and have been detected by the monitoring, record keeping and/or testing requirements in this permit:

i. The hours of operation of this emissions unit exceeds 2,000 hours, based upon a rolling, 12-month period.

b. the probable cause of each deviation (excursion);

c. any corrective actions that were taken to remedy the deviations (excursions) or prevent future deviations (excursions); and

d. the magnitude and duration of each deviation (excursion).

If no deviations (excursions) occurred during a calendar quarter, the permittee shall submit a report that states that no deviations (excursions) occurred during the quarter.

The quarterly reports shall be submitted (postmarked) each year by the thirty-first of January (covering October to December), the thirtieth of April (covering January to March), the thirty-first of July (covering April to June), and the thirty-first of October (covering July to September), unless an alternative schedule has been established and approved by the director (the appropriate district office or local air agency).

[OAC rule 3745-15-03(B)(1)(b)] and [OAC rule 3745-15-03(C)]

(2) Annual Permit Evaluation Report (PER) forms will be mailed to the permittee at the end of the reporting period specified in the Authorization section of this permit. The permittee shall submit the PER in the form and manner provided by the director by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve-months for each air contaminant source identified in this permit.

[OAC rule 3745-15-03(B)(2)] and [OAC rule 3745-15-03(D)]

f) Testing Requirements

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

a. Emission Limitation

0.28 tons of CO/ rolling 12-month period;

1.24 tons of NOx/ rolling 12-month period;

0.82 tons of VOC/ rolling 12-month period;

0.09 tons of PE(PM10)/ rolling 12-month period; and

0.08 tons of SO2/ rolling 12-month period.

The above limitations are based on the following equqation:

AER = [(Php x Ef) x 2000 hrs/12mths]/ 2000 lbs. /ton

Where:

AER = Annual emissions, in tons emitted per rolling 12 month period;

Php = Maximum horse power of test engine, (40, from application);

Ef = Worst case emission factor for fuel used:

CO = 0.00696 lbs/hp-hr AP-42 Table 3.3-1 for gasoline,

0.00668 lbs/hp-hr AP-42 Table 3.3-1 for diesel;

NOx = 0.011 lbs/hp-hr AP-42 Table 3.3-1 for gasoline,

0.031 lbs/hp-hr AP-42 Table 3.3-1 for diesel;

VOC = 0.02054 lbs/hp-hr AP-42 Table 3.3-1 for gasoline,

0.00251 lbs/hp-hr AP-42 Table 3.3-1 for diesel;

PE = 0.000721 lbs/hp-hr AP-42 Table 3.3-1 for gasoline,

0.0022 lbs/hp-hr AP-42 Table 3.3-1 for diesel; and

SO2 = 0.000591 lbs/hp-hr AP-42 Table 3.3-1 for gasoline,

0.00205 lbs/hp-hr AP-42 Table 3.3-1 for diesel.

Applicable Compliance Method:

Compliance with the above limits are based on the emission factors from AP-42 of Air Pollutant Emission Factors", Chapter 3: Stationary Internal Combustion Sources , Table 3.3-1 and the recordkeeping as established in section d) of this permit.

g) Miscellaneous Requirements

(1) None.

2. P008, AVL Dyno 322 hp

Operations, Property and/or Equipment Description:

AVL Dyno 322 HP (322 hp gas/diesel dyno)

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 paragraph 3745-31-05(A)(3), effective 11/30/01.	Limited hours of operations per rolling 12 month period..
b.	OAC rule 3745-31-05(A)(3)(a)(ii) as effective 12/01/06	See Section b)(2)b, below.
c.	OAC rule 3745-31-05(D) (In order to minimize the overall emissions and maintain the overall facility emissions below Title V thresholds)	The emissions from this emissions unit shall not exceed to the following annual restrictions: 2.24 tons of CO/ rolling 12-month period; 9.98 tons of NOx/ rolling 12-month period; 6.60 tons of VOC/ rolling 12-month period; 0.71 tons of PE(PM10)/ rolling 12-month period; and 0.66 tons of SO2/ rolling 12-month period.
d.	OAC rule 3745-17-07(A)	See Section b)(2)c., below.
e.	OAC rule 3745-17-11	See Section b)(2)d. below
f.	OAC rule 3745-18-06(G)	See Section b)(2)e. below.

(2) Additional Terms and Conditions

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

b. The BAT requirements under OAC rule 3745-31-05(A)(3) do not apply to the emissions from this air contaminant source since the potential to emit is less than ten tons per year.

c. This emissions unit is exempt from the visible particulate emission limitations specified in OAC rule 3745-17-07(A), pursuant to OAC rule 3745-17-07(A)(3)(h), because the emissions unit is not subject to the requirements of OAC rule 3745-17-11.

d. The uncontrolled mass rate of PE from this emissions unit is less than 10 pounds per hour. Therefore, pursuant to OAC rule 3745-17-11(A)(2)(a)(I), Figure II of OAC rule 3745-17-11 does not apply. In addition, Table I of OAC rule 3745-17-11 does not apply because the process weight, as defined in OAC rule 3745-17-01(B)(14), is equal to zero.*

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

c) Operational Restrictions

(1) The permittee shall employ only unleaded gasoline**,** auto diesel, liquid propane gas (LPG), compressed natural gas (CNG), and/or fuel hydrogen as fuel when operating this emissions unit.

(2) The hours of operation of this emissions unit shall not exceed 2,000 hours, based upon a rolling, 12-month period.

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall maintain the following monthly records:

a. the number of hours that this emissions unit was operated;

b. the rolling, 12-month summation of the combined operating hours; and

c. The name, and identification number (if any) of each unleaded gasoline, auto diesel, and/or any other fuel burned in this emissions unit.

e) Reporting Requirements

(1) The permittee shall submit quarterly deviation (excursion) reports that identify:

a. all deviations (excursions) of the following emission limitations, operational restrictions and/or control device operating parameter limitations that restrict the Potential to Emit (PTE) of any regulated air pollutant and have been detected by the monitoring, record keeping and/or testing requirements in this permit:

i. The hours of operation of this emissions unit exceeds 2,000 hours, based upon a rolling, 12-month period.

b. the probable cause of each deviation (excursion);

c. any corrective actions that were taken to remedy the deviations (excursions) or prevent future deviations (excursions); and

d. the magnitude and duration of each deviation (excursion).

If no deviations (excursions) occurred during a calendar quarter, the permittee shall submit a report that states that no deviations (excursions) occurred during the quarter.

The quarterly reports shall be submitted (postmarked) each year by the thirty-first of January (covering October to December), the thirtieth of April (covering January to March), the thirty-first of July (covering April to June), and the thirty-first of October (covering July to September), unless an alternative schedule has been established and approved by the director (the appropriate district office or local air agency).

[OAC rule 3745-15-03(B)(1)(b)] and [OAC rule 3745-15-03(C)]

(2) Annual Permit Evaluation Report (PER) forms will be mailed to the permittee at the end of the reporting period specified in the Authorization section of this permit. The permittee shall submit the PER in the form and manner provided by the director by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve-months for each air contaminant source identified in this permit.

[OAC rule 3745-15-03(B)(2)] and [OAC rule 3745-15-03(D)]

f) Testing Requirements

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

a. Emission Limitation

2.24 tons of CO/ rolling 12-month period;

9.98 tons of NOx/ rolling 12-month period;

6.60 tons of VOC/ rolling 12-month period;

0.71 tons of PE(PM10)/ rolling 12-month period; and

0.66 tons of SO2/ rolling 12-month period.

The above limitations are based on the following equqation:

AER = [(Php x Ef) x 2000 hrs/12mths]/ 2000 lbs. /ton

Where:

AER = Annual emissions, in tons emitted per rolling 12 month period;

Php = Maximum horse power of test engine, (322, from application);

Ef = Worst case emission factor for fuel used:

CO = 0.00696 lbs/hp-hr AP-42 Table 3.3-1 for gasoline,

0.00668 lbs/hp-hr AP-42 Table 3.3-1 for diesel;

NOx = 0.011 lbs/hp-hr AP-42 Table 3.3-1 for gasoline,

0.031 lbs/hp-hr AP-42 Table 3.3-1 for diesel;

VOC = 0.02054 lbs/hp-hr AP-42 Table 3.3-1 for gasoline,

0.00251 lbs/hp-hr AP-42 Table 3.3-1 for diesel;

PE = 0.000721 lbs/hp-hr AP-42 Table 3.3-1 for gasoline,

0.0022 lbs/hp-hr AP-42 Table 3.3-1 for diesel; and

SO2 = 0.000591 lbs/hp-hr AP-42 Table 3.3-1 for gasoline,

0.00205 lbs/hp-hr AP-42 Table 3.3-1 for diesel.

Applicable Compliance Method:

Compliance with the above limits are based on the emission factors from AP-42 of Air Pollutant Emission Factors", Chapter 3: Stationary Internal Combustion Sources , Table 3.3-1 and the recordkeeping as established in section d) of this permit.

g) Miscellaneous Requirements

(1) None.