Ohio Environmental Protection Agency
John R. Kasich, Governor
Mary Taylor, Lt. Governor
Scott J. Nally, Director

10/31/2011

Certified Mail

No	TOXIC REVIEW
No	PSD
Yes	SYNTHETIC MINOR TO AVOID MAJOR NSR
No	CEMS
Yes	MACT/GACT
No	NSPS
No	NESHAPS
No	NETTING
No	MAJOR NON-ATTAINMENT
No	MODELING SUBMITTED

Ms. Joanne Reinhold
General Electric Aviation, Evendale Plant
One Neumann Way
Mail Drop N123
Cincinnati, OH 45215

RE: DRAFT AIR POLLUTION PERMIT-TO-INSTALL
Facility ID: 1431150060
Permit Number: P0108720
Permit Type: Administrative Modification
County: Hamilton

Dear Permit Holder:

A draft of the Ohio Administrative Code (OAC) Chapter 3745-31 Air Pollution Permit-to-Install 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 EPA Weekly Review and the local newspaper, The Cincinnati Enquirer. 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 "Issued Air Pollution Control Permits" link. Comments will be accepted as a marked-up copy of the draft permit or in narrative format. Any comments must be sent to the following:

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

and

Hamilton County Dept. of Environmental Services
250 William Howard Taft Pkwy.
Cincinnati, OH 45219-2660

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 in writing 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 Hamilton County Dept. of Environmental Services at (513)946-7777.

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*
HCDOES; Indiana; Kentucky

PUBLIC NOTICE
10/31/2011 Issuance of Draft Air Pollution Permit-To-Install

General Electric Aviation, Evendale Plant
One Neumann Way,
Cincinnati, OH 45215
Hamilton County
FACILITY DESC.: Aircraft Engine and Engine Parts Manufacturing
PERMIT #: P0108720
PERMIT TYPE: Administrative Modification
PERMIT DESC: Permittee-requested Administrative Modification of PTI 14-2834 issued 3/3/1993 to change synthetic minor limitations and associated record keeping from a 365-day rolling average to a 12-month rolling average for EUs P231, P234, and P235.

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: epa.ohio.gov/dapc/permit by entering the permit # or: Mike Kramer, Hamilton County Dept. of Environmental Services, 250 William Howard Taft Pkwy., Cincinnati, OH 45219-2660. Ph: (513)946-7777

Permit Strategy Write-Up

1. Check all that apply:

   _X_ Synthetic Minor Determination

   Netting Determination

2. Source Description:

   GE Aviation (GE) is a major manufacturer of turbine engines and parts (military and commercial) and a mega-site Title V facility located in Hamilton County, Ohio. The facility is a major source of multiple criteria pollutants from operations such as fuel-burning sources (boilers, pre-heaters, and stationary combustion engines), engine test cells, and engine part coating operations. GE's Title V operating permit was issued 5/24/2004, expired on 5/24/2009, and is currently undergoing renewal (Draft renewal issued 7/26/2011).

   This permit to install (PTI) is an administrative modification of the original PTI No. 14-2834, issued on 3/3/1993, for a new Electric Generating System comprised of three 1600 kilowatt stationary internal combustion engines and generator units identified as emissions units P231, P234, and P235. The emissions units were installed in May of 1993 in accordance with the original PTI. The original PTI No. 14-2834 established operational and emission limit restrictions to avoid major modification new source review. This administrative modification was requested by the permittee to change the federally enforceable synthetic minor limitations from 365-day rolling averages to 12-month rolling averages in order to be consistent with record keeping for other sources at the permittee's facility. This administrative modification also corrects an agency error made in the emissions unit descriptions, updates the allowable particulate emissions rate under Ohio Administrative Code (OAC) rule 3745-17-11 which was revised in 1998, and includes the sulfur dioxide rule allowable limitation under OAC 3745-18-06(G) which was promulgated in 1996. This revision results in slight adjustments to the allowable annual emission rates, primarily for rounding corrections and the change in the particulate emissions rate, but still does not cause the original project to trigger a major modification under new source review (NSR).

3. Facility Emissions and Attainment Status:

   The facility is located in Hamilton County which is currently non-attainment for particulate matter 2.5 microns in diameter or less ($PM_{2.5}$)and attainment for all other criteria pollutants.

   The facility is a major source of nitrogen oxides (NOx), carbon monoxide (CO), sulfur dioxide (SO_2), organic compounds (OC), and hazardous air pollutants (HAPs) from existing gas/oil-fired boilers, stationary combustion engines, gas-fired pre-heaters, engine test cells, and engine part coating operations.

   This permit contains federally enforceable emission limitations (synthetic minor) on all criteria pollutants and hours of operation to avoid triggering a major modification under NSR in accordance with the original 1993 permit application submitted by the permittee. This permit continues to maintain limitations consistent with the scope of the original project to ensure the original project does not trigger a major modification at the facility.

4. Source Emissions:

The following table, in tons per year (TPY), summarizes emissions for the source and compares the original PTI and this permit action and the major NSR threshold levels for each pollutant:

	NOx	CO	OC	PE/PM_{10}	SO_2
P231, P234, P235 Actual Emissions, combined (TPY)*	20.6	3.93	0.67	0.24	0.2
Original PTI 14-2834 Allowable Limitations, combined (TPY)*	38.9	7.59	1.26	0.78	6.33
PTI P0108720 Adm. Mod. Allowable Limitations (TPY)*, combined	**38.9**	**7.6**	**1.27**	**0.82**	**6.34**
Major NSR Threshold	40	100	40	25/15	40

**the above are rolling, 12-month summations of emissions*

The allowable emission limitations are based upon an operational restriction of 1,584 combined operating hours, as a 12-month rolling summation. The federally enforceable emission limitations, operational restriction, and record keeping and reporting to demonstrate compliance with these limitations will ensure that the original project continues to avoid major modification NSR.

5. Conclusion:

The permittee will maintain a federally enforceable operational restriction of 1,584 combined operating hours per year with emission limitations of 38.9 TPY of NOx, 7.6 TPY of CO, 1.27 TPY of OC, 0.82 TPY of particulate emissions (PE)/particulate matter 10 microns in diameter or less (PM_{10}), and 6.34 TPY of SO_2 as 12-month rolling summations; has associated operational and emissions record keeping and reporting to demonstrate compliance with these limitations; and, has accepted the terms and conditions of this permit which will limit emissions of criteria pollutants as a Synthetic Minor so that the overall impact of the Electric Generating System project will not trigger major NSR for any of the criteria pollutants. The facility will continue to maintain records and be subject to reporting as outlined in the permit to ensure compliance with the voluntary Synthetic Minor limitations.

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	38.9
CO	7.6
OC	1.27
PE/PM_{10}	0.82
SO_2	6.34

Ohio | Environmental Protection Agency

DRAFT

Division of Air Pollution Control
Permit-to-Install
for
General Electric Aviation, Evendale Plant

Facility ID:	1431150060
Permit Number:	P0108720
Permit Type:	Administrative Modification
Issued:	10/31/2011
Effective:	To be entered upon final issuance

Ohio Environmental Protection Agency

Division of Air Pollution Control
Permit-to-Install
for
General Electric Aviation, Evendale Plant

Table of Contents

Authorization 1
A. Standard Terms and Conditions 3
1. Federally Enforceable Standard Terms and Conditions 4
2. Severability Clause 4
3. General Requirements 4
4. Monitoring and Related Record Keeping and Reporting Requirements 5
5. Scheduled Maintenance/Malfunction Reporting 6
6. Compliance Requirements 6
7. Best Available Technology 7
8. Air Pollution Nuisance 7
9. Reporting Requirements 7
10. Applicability 8
11. Construction of New Sources(s) and Authorization to Install 8
12. Permit-To-Operate Application 9
13. Construction Compliance Certification 9
14. Public Disclosure 9
15. Additional Reporting Requirements When There Are No Deviations of Federally Enforceable Emission Limitations, Operational Restrictions, or Control Device Operating Parameter Limitations 9
16. Fees 10
17. Permit Transfers 10
18. Risk Management Plans 10
19. Title IV Provisions 10
B. Facility-Wide Terms and Conditions 11
C. Emissions Unit Terms and Conditions 13
1. Emissions Unit Group - Peak Shaving Generators: P231, P234, and P235 14

Authorization

Facility ID: 1431150060
Facility Description: Manufactures turbine engines and parts
Application Number(s): M0001381
Permit Number: P0108720
Permit Description: Permittee-requested Administrative Modification of PTI 14-2834 issued 3/3/1993 to change synthetic minor limitations and associated record keeping from a 365-day rolling average to a 12-month rolling average for EUs P231, P234, and P235.
Permit Type: Administrative Modification
Permit Fee: $600.00 *DO NOT send payment at this time, subject to change before final issuance*
Issue Date: 10/31/2011
Effective Date: To be entered upon final issuance

This document constitutes issuance to:

General Electric Aviation, Evendale Plant
One Neumann Way
Cincinnati, OH 45215

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

Ohio EPA District Office or local air agency responsible for processing and administering your permit:

Hamilton County Dept. of Environmental Services
250 William Howard Taft Pkwy.
Cincinnati, OH 45219-2660
(513)946-7777

The above named entity is hereby granted a Permit-to-Install for the 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 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

Scott J. Nally
Director

Authorization (continued)

Permit Number: P0108720
Permit Description: Permittee-requested Administrative Modification of PTI 14-2834 issued 3/3/1993 to change synthetic minor limitations and associated record keeping from a 365-day rolling average to a 12-month rolling average for EUs P231, P234, and P235.

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

Group Name: **Peak Shaving Generators**

Emissions Unit ID:	**P231**
Company Equipment ID:	EA-271-A
Superseded Permit Number:	14-2834
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	**P234**
Company Equipment ID:	EA-271-B
Superseded Permit Number:	14-2834
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	**P235**
Company Equipment ID:	EA-271-C
Superseded Permit Number:	14-2834
General Permit Category and Type:	Not Applicable

A. Standard Terms and Conditions

1. Federally Enforceable Standard Terms and Conditions

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

(1) Standard Term and Condition A.2.a), Severability Clause

(2) Standard Term and Condition A.3.c) through A. 3.e) General Requirements

(3) Standard Term and Condition A.6.c) and A. 6.d), Compliance Requirements

(4) Standard Term and Condition A.9., Reporting Requirements

(5) Standard Term and Condition A.10., Applicability

(6) Standard Term and Condition A.11.b) through A.11.e), Construction of New Source(s) and Authorization to Install

(7) Standard Term and Condition A.14., Public Disclosure

(8) Standard Term and Condition A.15., Additional Reporting Requirements When There Are No Deviations of Federally Enforceable Emission Limitations, Operational Restrictions, or Control Device Operating Parameter Limitations

(9) Standard Term and Condition A.16., Fees

(10) Standard Term and Condition A.17., Permit Transfers

2. Severability Clause

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

b) All terms and conditions designated in parts B and C of this permit are federally enforceable as a practical matter, if they are required under the Act, or any of its applicable requirements, including relevant provisions designed to limit the potential to emit of a source, are enforceable by the Administrator of the U.S. EPA and the State and by citizens (to the extent allowed by section 304 of the Act) under the Act. Terms and conditions in parts B and C of this permit shall not be federally enforceable and shall be enforceable under State law only, only if specifically identified in this permit as such.

3. General Requirements

a) The permittee must comply with all terms and conditions of this permit. Any noncompliance with the federally enforceable terms and conditions of this permit constitutes a violation of the Act, and is grounds for enforcement action or for permit revocation, revocation and re-issuance, or modification.

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

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

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

e) The permittee shall furnish to the Director of the Ohio EPA, or an authorized representative of the Director, upon receipt of a written request and within a reasonable time, any information that may be requested to determine whether cause exists for modifying or revoking this permit or to determine compliance with this permit. Upon request, the permittee shall also furnish to the Director or an authorized representative of the Director, copies of records required to be kept by this permit. For information claimed to be confidential in the submittal to the Director, if the Administrator of the U.S. EPA requests such information, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality.

4. Monitoring and Related Record Keeping and Reporting Requirements

a) Except as may otherwise be provided in the terms and conditions for a specific emissions unit, the permittee shall maintain records that include the following, where applicable, for any required monitoring under this permit:

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

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

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

(4) The analytical techniques or methods used.

(5) The results of such analyses.

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

b) Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of five years from the date the record was created. Support information shall include, 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.

c) Except as may otherwise be provided in the terms and conditions for a specific emissions unit, the permittee shall submit required reports in the following manner:

(1) Reports of any required monitoring and/or recordkeeping of federally enforceable information shall be submitted to the Hamilton County Dept. of Environmental Services.

(2) Quarterly written reports of (i) any deviations from federally enforceable emissionlimitations, operationalrestrictions,

andcontroldeviceoperatingparameterlimitations, excluding deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06, that have been detected by the testing, monitoring and recordkeeping requirements specified in this permit, (ii) the probable cause of such deviations, and (iii) any corrective actions or preventive measures taken, shall be made to the Hamilton County Dept. of Environmental Services. The written reports shall be submitted (i.e., postmarked) quarterly, by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. See A.15. below if no deviations occurred during the quarter.

(3) Written reports, which identify any deviations from the federally enforceable monitoring, recordkeeping, andreportingrequirements contained in this permit shall be submitted (i.e., postmarked) to the Hamilton County Dept. of Environmental Services every six months, by January 31 and July 31 of each year for the previous six calendar months. If no deviations occurred during a six-month period, the permittee shall submit a semi-annual report, which states that no deviations occurred during that period.

(4) This permit is for an emissions unit located at a Title V facility. Each written report shall be signed by a responsible official certifying that, based on information and belief formed after reasonable inquiry, the statements and information in the report are true, accurate, and complete.

d) The permittee shall report actual emissions pursuant to OAC Chapter 3745-78 for the purpose of collecting Air Pollution Control Fees.

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, i.e., upset, of any emissions units or any associated air pollution control system(s) shall be reported to the Hamilton County Dept. of Environmental Services in accordance with paragraph (B) of OAC rule 3745-15-06. (The definition of an upset condition shall be the same as that used in OAC rule 3745-15-06(B)(1) for a malfunction.) The verbal and written reports shall be submitted pursuant to 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 emission unit(s) that is (are) served by such control system(s).

6. Compliance Requirements

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

b) Any document (including reports) required to be submitted and required by a federally applicable requirement in this permit shall include a certification by a responsible official that, based on information and belief formed after reasonable inquiry, the statements in the document are true, accurate, and complete.

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

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

(2) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit, subject to the protection from disclosure to the public of confidential information consistent with ORC section 3704.08.

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

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

d) The permittee shall submit progress reports to the Hamilton County Dept. of Environmental Services concerning any schedule of compliance for meeting an applicable requirement. Progress reports shall be submitted semiannually or more frequently if specified in the applicable requirement or by the Director of the Ohio EPA. Progress reports shall contain the following:

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

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

7. Best Available Technology

As specified in OAC Rule 3745-31-05, new sources that must employ Best Available Technology (BAT) shall comply with the Applicable Emission Limitations/Control Measures identified as BAT for each subject emissions unit.

8. 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.

9. Reporting Requirements

The permittee shall submit required reports in the following manner:

a) Reports of any required monitoring and/or recordkeeping of state-only enforceable information shall be submitted to the Hamilton County Dept. of Environmental Services.

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 state-only required 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 Hamilton County Dept. of

Environmental Services. If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted (i.e., postmarked) quarterly, by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.)

10. 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).

11. Construction of New Sources(s) and Authorization to Install

a) This permit does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. This permit does not constitute expressed or implied assurance that the proposed facility has been constructed in accordance with the application and terms and conditions of this permit. 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 this permit does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. Issuance of this permit is not to be construed as a waiver of any rights that the Ohio Environmental Protection Agency (or other persons) may have against the applicant for starting construction prior to the effective date of the permit. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed facilities cannot meet the requirements of this permit or cannot meet applicable standards.

b) If applicable, authorization to install any new emissions unit included in this permit shall terminate within eighteen months of the effective date of the permit if the owner or operator has not undertaken a continuing program of installation or has not entered into a binding contractual obligation to undertake and complete within a reasonable time a continuing program of installation. 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.

c) The permittee may notify Ohio EPA of any emissions unit that is permanently shut down (i.e., 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) by submitting a certification from the authorized official that identifies the date on which the emissions unit was permanently shut down. Authorization to operate the affected emissions unit shall cease upon the date certified by the authorized official that the emissions unit was permanently shut down. At a minimum, notification of permanent shut down shall be made or confirmed by marking the affected emissions unit(s) as “permanently shut down” in Ohio EPA’s “Air Services” along with the date the emissions unit(s) was permanently removed and/or disabled. Submitting the facility profile update will constitute notifying of the permanent shutdown of the affected emissions unit(s).

d) The provisions of this permit shall cease to be enforceable for each affected emissions unit after the date on which an emissions unit is permanently shut down (i.e., 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). All records relating to any permanently shutdown emissions unit, generated while the emissions unit was in operation, must be maintained in accordance with law. All reports required by this permit must be submitted for any period an affected emissions unit operated prior to permanent shut down. At a minimum, the permit requirements must be evaluated as part of the reporting requirements identified in this permit covering the last period the emissions unit operated.

No emissions unit certified by the authorized official as being permanently shut down may resume operation without first applying for and obtaining a permit pursuant to OAC Chapter 3745-31.

e) The permittee shall comply with any residual requirements related to this permit, such as the requirement to submit a deviation report, air fee emission report, or other any reporting required by this permit for the period the operating provisions of this permit were enforceable, or as required by regulation or law. All reports shall be submitted in a form and manner prescribed by the Director. All records relating to this permit must be maintained in accordance with law.

12. Permit-To-Operate Application

The permittee is required to apply for a Title V permit pursuant to OAC Chapter 3745-77. The permittee shall submit a complete Title V permit application or a complete Title V permit modification application within twelve (12) months after commencing operation of the emissions units covered by this permit. However, if the proposed new or modified source(s) would be prohibited by the terms and conditions of an existing Title V permit, a Title V permit modification must be obtained before the operation of such new or modified source(s) pursuant to OAC rule 3745-77-04(D) and OAC rule 3745-77-08(C)(3)(d).

13. Construction Compliance Certification

The applicant shall identify the following dates in the online facility profile for each new emissions unit identified in this permit.

a) Completion of initial installation date shall be entered upon completion of construction and prior to start-up.

b) Commence operation after installation or latest modification date shall be entered within 90 days after commencing operation of the applicable emissions unit.

14. 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.

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

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., postmarked), by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters.

16. 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 any permit-to-install. The permittee shall pay all applicable permit-to-operate fees within thirty days of the issuance of the invoice.

17. Permit Transfers

Any transferee of this permit shall assume the responsibilities of the prior permit holder. The new owner must update and submit the ownership information via the “Owner/Contact Change” functionality in Air Services once the transfer is legally completed. The change must be submitted through Air Services within thirty days of the ownership transfer date.

18. Risk Management Plans

If the permittee is required to develop and register a risk management plan pursuant to section 112(r) of the Clean Air Act, as amended, 42 U.S.C. 7401 et seq. ("Act"), the permittee shall comply with the requirement to register such a plan.

19. Title IV Provisions

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

B. Facility-Wide Terms and Conditions

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

   a) None.

2. The following emissions units contained in this permit are subject to 40 CFR Part 63, Subpart ZZZZ, National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines: P231, P234, and P235. The complete MACT requirements including the MACT General Provisions may be access via the internet from the Electronic Code of Federal Regulations (e-CFR) website http://ecfr.gpoaccess.gov or by contacting the appropriate Ohio EPA District office or local air agency.

C. Emissions Unit Terms and Conditions

1. Emissions Unit Group -Peak Shaving Generators: P231, P234, and P235

EU ID	Operations, Property and/or Equipment Description
P231	1600-kW peak-shaving diesel generator 601 CI >500 HP (EA-271-A) 601
P234	1600-kW peak-shaving diesel generator 801 CI >500 HP (EA-271-B) 801
P235	1600-kW peak-shaving diesel generator 901 CI >500 HP (EA-271-C) 901

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

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3) Best Available Technology (BAT)	Nitrogen oxides (NOx) emissions shall not exceed 49.1 pounds per hour.* Sulfur dioxide (SO_2) emissions shall not exceed 8.0 pounds per hour.* Carbon monoxide (CO) emissions shall not exceed 9.6 pounds per hour.* Organic compound (OC) emissions shall not exceed 1.6 pounds per hour.* *The emission limitations outlined above are based upon the emissions unit's potential to emit. Therefore, no record keeping is required to demonstrate compliance with these limitations. The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A) and OAC rule 3745-17-11(B)(5)(b).
b.	OAC rule 3745-31-05(D) Synthetic Minor Limitations to Avoid Major New Source Review	CO emissions shall not exceed 7.6 tons per year (TPY) as a rolling 12-month summation from emissions units P231, P234, and P235 combined.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		NOx emissions shall not exceed 38.9 TPY as a rolling 12-month summationfrom emissions units P231, P234, and P235 combined. OC emissions shall not exceed 1.27 TPY as a rolling 12-month summation from emissions units P231, P234, and P235 combined. Particulate emissions (PE) and particulate matter 10 microns and less in diameter (PM_{10}) emissions shall not exceed 0.82 TPY as a rolling 12-month summation from emissions units P231, P234, and P235 combined. [PE is assumed to be equivalent to PM_{10}] SO_2 emissions shall not exceed 6.34 TPY as a rolling 12-month summation from emissions units P231, P234, and P235 combined. See c)(1).
c.	OAC rule 3745-17-07(A)	Visible particulate emissions from any stack shall not exceed 20 percent opacity, as a six-minute average, except as specified by rule.
d.	OAC rule 3745-17-11(B)(5)(b)	Particulate emissions (PE) shall not exceed 0.062 pound per mmBtu of actual heat input* from stationary large internal combustion engines as defined in OAC rule 3745-17-01(B)(27). *The emission limitation outlined above is greater than the emission unit's potential to emit. Therefore, no record keeping is required to demonstrate compliance with this limitation.
e.	OAC rule 3745-18-06(G)	Sulfur dioxide (SO_2) emissions shall not exceed0.5 pound per mmBtu of actual heat input.* See c)(2). *The emission limitation outlined above is greater than the emission unit's potential to emit. Therefore, no record keeping is

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		required to demonstrate compliance with this limitation.
f.	40 CFR Part 63,Subpart ZZZZ [40 CFR 63.6580-63.6675] National Emission Standards for Hazardous Air Pollutants (NESHAP) for Stationary Reciprocating Internal Combustion Engines (RICE). [In accordance with 63.6590, these emissions unitsare existing compression ignition RICE (non-emergency/non-blackstart) greater than 500 brake horsepower (HP)]	Comply with either emission standard: CO concentration in the stationary RICE exhaust shall not exceed 23 ppmvd at 15% O_2; or Reduce CO emissions by 70 percent or more. [40 CFR 63.6600(d) and Table 2c]
g.	40 CFR 63.1-15 [40 CFR 63.6665]	Table 8 to Subpart ZZZZ of 40 CFR Part 63 – Applicability of General Provisions to Subpart ZZZZ shows which parts of the General Provisions in 40 CFR 63.1-15 apply.

(2) Additional Terms and Conditions

a. Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by the emission limitations listed in b)(1)a. above.

c) Operational Restrictions

(1) The total combined hours of operation for P231, P234, and P235 shall not exceed 1,584 hours per year based on a rolling, 12-month summation.

These emissions unitshave been in operation for more than 12 months and, as such, the permittee has existing records to generate the rolling, 12-monthsummation of the hours of operation, upon issuance of this permit.

(2) Use of non-road diesel fuel in these emissions units, complying with the federal standards established pursuant to 40 CFR Part 80, Regulation of Fuel and Fuel Additives, Subpart I [40 CFR 80.510], ensures compliance with the allowable sulfur dioxide emission limitation.

(3) See 40 CFR Part 63, Subpart ZZZZ [40 CFR 63.6580-63.6675].

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall collect and record the following information on a monthly basis:

a. the total combined operating hours for emissions units P231, P234, and P235; and

b. the rolling, 12-month summation for the total combined operating hours for P231, P234, and P235.

(2) For each day during which the permittee burns a fuel other than a diesel fuel as defined in c)(2), the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

(3) See 40 CFR Part 63, Subpart ZZZZ [40 CFR 63.6580-63.6675].

e) Reporting Requirements

(1) Unless other arrangements have been approved by the Director, all notifications and reports shall be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal.

(2) The permittee shall submit quarterly deviation (excursion) reports that identify all exceedences of the rolling, 12-month operating hour's limitation specified in c)(1).

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

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

(4) See 40 CFR Part 63, Subpart ZZZZ [40 CFR 63.6580-63.6675].

f) Testing Requirements

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

a. Emission Limitations:

NOx emissions shall not exceed 49.1 pounds per hour.

SO_2 emissions shall not exceed 8.0 pounds per hour.

CO emissions shall not exceed 9.6 pounds per hour.

OC emissions shall not exceed 1.6 pounds per hour.

Applicable Compliance Method:

The NOx, SO_2, CO, and OC pound per hour emission limitations above are based upon the emissions unit's potential to emit. The NOx, SO_2, CO, and OC pound per hour emission limitations represent the equipment manufacturer's emission factors as provided by the permittee in the application for the permit to install, Attachment II of Appendix B, submitted October 28, 1992.

If required, the permittee shall demonstrate compliance with these emission limitations through emission testing performed in accordance with the appropriate methods found in 40 CFR Part 60, Appendix A.

b. Emission Limitations:

CO emissions shall not exceed 7.6 TPY as a rolling 12-month summation*;

NOx emissions shall not exceed 38.9 TPY as a rolling 12-month summation*;

OC emissions shall not exceed 1.27 TPY as a rolling 12-month summation*;

PE and PM_{10} emissions shall not exceed 0.82 TPY as a rolling 12-month summation* [PE is assumed to be equivalent to PM_{10}]; and

SO_2 emissions shall not exceed 6.34 TPY as a rolling 12-month summation.*

*from emissions units P231, P234, and P235 combined.

Applicable Compliance Method:

The above TPY emission limitations are based upon the emissions unit's hourly potential to emit multiplied by the hours of operation restriction in c)(1). Compliance with the hours of operation restriction ensures compliance with the TPY emission limitations.

c. Emission Limitation:

Visible particulate emissions shall not exceed 20% opacity as a 6-minute average, except as provided by rule.

Applicable Compliance Method:

If required, compliance with this emission limitation shall be demonstrated through visible emission observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).

d. Emission Limitation:

PE shall not exceed 0.062 pound per mmBtu of actual heat input.

Applicable Compliance Method:

The PE limitation above is based upon the allowable limit for stationary large internal combustion enginesin OAC rule 3745-17-11(B)(5)(b) which was derived from the US EPA AP-42, Table 3.4-2 (10/96). Emission units P231, P234, and P235 are defined as large internal combustion engines pursuant to OAC rule 3745-17-01(B)(27) since each engine is rated at 2,193 horsepower.

The potential to emit is less than the rule allowable limitation based upon the emission factors found in Attachment II of Appendix B contained in the application for the permit to install, submitted October 28, 1992, and the maximum heat input capacity of each engine at 16.6 mmBtu per hour derived from the stated maximum hourly fuel rate and heat content.

If required, compliance with the pound per mmBtu emission limitation shall be demonstrated through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5 and the procedures specified in OAC rule 3745-17-03(B)(10).Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.

e. Emission Limitation:

SO_2 emissions shall not exceed 0.5 pound per mmBtu of actual heat input.

Applicable Compliance Method:

Compliance with the allowable sulfur dioxide emission limitation may be assumed as long as non-road diesel fuel as defined in 40 CFR 80.510(b) is burned in this emissions unit.

The allowable emission limitation established under BAT asspecified in f)(1)a. above is less than the rule allowable limitation above based upon the emission factors found in Attachment II of Appendix B contained in the application for the permit to install, submitted October 28, 1992, and the maximum heat input capacity of each engine at 16.6 mmBtu per hour derived from thestated maximum hourly fuel rate and heat content.

If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 6.Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.

f. Emission Limitations:

CO concentration in the stationary RICE exhaust shall not exceed 23 ppmvd at 15% O2; or

Reduce CO emissions by 70 percent or more.

Applicable Compliance Method:

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

The permittee shall conduct the initial performance test or other initial compliance demonstrations in Table 4 of 40 CFR Part 63 Subpart ZZZZ within 180 days after the compliance date that is specified for this emissions unit in 40 CFR 63.6595 (May 3, 2013) and according with the provisions in 40 CFR 63.7(a)(2). The test shall be carried out as specified in 40 CFR 63.6620. During the initial performance test, the permittee must establish each operating limitation in Table

2b of 40 CFR Part 63 Subpart ZZZZ that applies and demonstrate compliance according to Table 5 of 40 CFR Part 63 Subpart ZZZZ.

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) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the 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). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the appropriate Ohio EPA District Office or local air agency.

g) Miscellaneous Requirements

(1) None.