



02/10/2026

Laura Markman
CMH098 Campus
13820 Sunrise Valley Dr
Herndon, VA 20171

RE: FINAL AIR POLLUTION PERMIT-TO-INSTALL

Facility ID: 0145000612
Permit Number: P0139005
Permit Type: Initial Installation
County: Licking

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

Dear Permit Holder:

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

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

Pay any applicable permit fee

If there is an enclosed invoice that is associated with this permit action, you must pay the invoice in 30 days. This permit fee supports Ohio EPA's activities to review and issue the necessary approvals for construction or modification of the affected sources. Failure to provide the applicable permit fee within 30 days may result in the accrual of substantial interest penalties. This permit is also conditioned on the payment of any applicable permit fee.

How to appeal this permit

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

Environmental Review Appeals Commission

30 East Broad Street, 4th Floor
Columbus, OH 43215

How to save money, reduce pollution and reduce energy consumption

The Ohio EPA is encouraging companies to investigate pollution prevention and energy conservation. Not only will this reduce pollution and energy consumption, but it can also save you money. If you would like to learn ways you can save money while protecting the environment, please contact the Small Business Environmental Assistance Program in our Compliance Assistance & Special Projects unit - [Contacts / Ohio Environmental Protection Agency](#). Additionally, all or a portion of the capital expenditures related to installing air pollution control equipment under this permit may be eligible for financing and state tax exemptions through the Ohio Air Quality Development Authority (OAQDA) under Ohio Revised Code Section 3706. For more information, see the OAQDA website: [Ohio Air Quality Development Authority | Ohio.gov](#)

How to give us feedback on your permitting experience

Please complete a survey at [DAPC - Customer Satisfaction Survey](#) and give us feedback on your permitting experience. We value your opinion.

How to get an electronic copy of your permit

This permit can be accessed electronically via the eBusiness Center: Air Services in Microsoft Word format or in Adobe PDF on the Ohio EPA document search webpage: [eDocument Search](#).

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

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

If you have any questions regarding your permit, please contact at Ohio EPA DAPC, Central Office at (614) 644-2270.

Sincerely,



Robert Hodanbosi
Chief, Division of Air Pollution Control

cc: U.S. EPA
Ohio EPA-CDO

Response to Comments

Facility ID:	0145000612
Facility Name:	CMH098 Campus
Facility Description:	Data Center
Facility Address:	Beech Rd Johnstown, OH 43031 Licking County
Permit:	P0139005, Permit-To-Install - Initial Installation
A public notice for the draft permit issuance was published in the Ohio EPA Weekly Review on 12/31/2025. The comment period ended on 01/30/2026.	
Hearing Date (if held):	N/A
Hearing Public Notice Date (if different from draft public notice):	N/A

The following comments were received during the comment period specified. Ohio EPA reviewed and considered all comments received during the public comment period. By law, Ohio EPA has authority to consider specific issues related to protection of the environment and public health. Often, public concerns fall outside the scope of that authority. For example, concerns about zoning issues are addressed at the local level. Ohio EPA may respond to those concerns in this document by identifying another government agency with more direct authority over the issue.

In an effort to help you review this document, the questions are grouped by topic and organized in a consistent format. PDF copies of the original comments in the format submitted are available upon request.

1. Topic: P001-P384 oxidation catalyst's max outlet CO emissions rate

- a) Comment: The max CO emissions rate for the oxidation catalyst shall be designed to achieve 0.54 g/bhp-hr, not 0.35, per manufacturer's specifications.
- b) Response: This change has been made.

2. Topic: Emissions factors (EF) significant figures

- a) Comment: The CO EF in Table 2 for P388 should be 0.0152 instead of 0.015. The VOC EF in Table 3 for P285 and P386 should be 0.0138 instead of 0.014.
- b) Response: Per Engineering Guide #23, these emissions factors are limited to two significant figures as the manufacturer's data provided only 2 significant figures, and therefore, this change has not been made.



**Environmental
Protection
Agency**

FINAL
Division of Air Pollution Control
Permit-to-Install
for
CMH098 Campus

Facility ID: 0145000612
Permit Number: P0139005
Permit Type: Initial Installation
Issued: 02/10/2026
Effective: 02/10/2026

Division of Air Pollution Control
Permit-to-Install
for
CMH098 Campus

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Authorization

Facility ID: 0145000612
Facility Description:
Application Number(s): A0080564
Permit Number: P0139005
Permit Description: Initial PTI for 388 emergency generators for a data center with federally enforceable restrictions on NO_x, CO, and VOC to avoid NSR major source thresholds.
Permit Type: Initial Installation
Permit Fee: \$14,356.00
Issue Date: 02/10/2026
Effective Date: 02/10/2026

This document constitutes issuance of a Permit-to-Install for the emissions unit(s) identified on the following page to:

CMH098 Campus
Beech Rd
Johnstown, OH 43031

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

Ohio EPA DAPC, Central Office
50 West Town St. Suite 700
P.O. Box 1049
Columbus, OH 43216-1049
(614) 644-2270

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

Entered into the Journal of the Director on:



John Logue
Director

Date: 02/10/2026

Authorization (continued)

Permit Number: P0139005

Permit Description: Initial PTI for 388 emergency generators for a data center with federally enforceable restrictions on NOx, CO, and VOC to avoid NSR major source thresholds.

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

Group Name: Group 1

Emissions Unit ID:	P001
Company Equipment ID:	B098_21M
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P002
Company Equipment ID:	B098_11M
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P003
Company Equipment ID:	B098_21C
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P004
Company Equipment ID:	B098_11C
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P005
Company Equipment ID:	B098_11A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P006
Company Equipment ID:	B098_11B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P007
Company Equipment ID:	B098_21A

Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P008
Company Equipment ID:	B098_21B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P009
Company Equipment ID:	B098_12A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P010
Company Equipment ID:	B098_22A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P011
Company Equipment ID:	B098_12B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P012
Company Equipment ID:	B098_22B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P013
Company Equipment ID:	B098_13A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P014
Company Equipment ID:	B098_23A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P015
Company Equipment ID:	B098_13B
Superseded Permit Number:	

General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P016
Company Equipment ID:	B098_23B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P017
Company Equipment ID:	B098_14A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P018
Company Equipment ID:	B098_24A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P019
Company Equipment ID:	B098_14B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P020
Company Equipment ID:	B098_24B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P021
Company Equipment ID:	B098_15A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P022
Company Equipment ID:	B098_25A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P023
Company Equipment ID:	B098_15B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable

Emissions Unit ID:	P024
Company Equipment ID:	B098_25B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P025
Company Equipment ID:	B137_21M
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P026
Company Equipment ID:	B137_11M
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P027
Company Equipment ID:	B137_21C
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P028
Company Equipment ID:	B137_11C
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P029
Company Equipment ID:	B137_11A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P030
Company Equipment ID:	B137_21A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P031
Company Equipment ID:	B137_11B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P032

Company Equipment ID:	B137_21B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P033
Company Equipment ID:	B137_12A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P034
Company Equipment ID:	B137_22A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P035
Company Equipment ID:	B137_12B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P036
Company Equipment ID:	B137_22B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P037
Company Equipment ID:	B137_13A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P038
Company Equipment ID:	B137_23A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P039
Company Equipment ID:	B137_13B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P040
Company Equipment ID:	B137_23B

Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P041
Company Equipment ID:	B137_14A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P042
Company Equipment ID:	B137_24A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P043
Company Equipment ID:	B137_14B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P044
Company Equipment ID:	B137_24B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P045
Company Equipment ID:	B137_15A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P046
Company Equipment ID:	B137_25A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P047
Company Equipment ID:	B137_15B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P048
Company Equipment ID:	B137_25B
Superseded Permit Number:	

General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P049
Company Equipment ID:	B138_21M
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P050
Company Equipment ID:	B138_11M
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P051
Company Equipment ID:	B138_21C
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P052
Company Equipment ID:	B138_11C
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General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P053
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Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P055
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Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P056
Company Equipment ID:	B138_21B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable

Emissions Unit ID:	P057
Company Equipment ID:	B138_12A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P058
Company Equipment ID:	B138_22A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P059
Company Equipment ID:	B138_12B
Superseded Permit Number:	
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Emissions Unit ID:	P060
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Emissions Unit ID:	P061
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General Permit Category and Type:	Not Applicable
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Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P066
Company Equipment ID:	B138_24A
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Emissions Unit ID:	P067
Company Equipment ID:	B138_14B
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General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P068
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General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P069
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Emissions Unit ID:	P072
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Superseded Permit Number:	
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General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P075
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General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P080
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Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P081
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Superseded Permit Number:	

General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P082
Company Equipment ID:	B139_21A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P083
Company Equipment ID:	B139_11B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P084
Company Equipment ID:	B139_21B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P085
Company Equipment ID:	B139_12A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P086
Company Equipment ID:	B139_22A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P087
Company Equipment ID:	B139_12B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P088
Company Equipment ID:	B139_22B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P089
Company Equipment ID:	B139_13A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable

Emissions Unit ID:	P090
Company Equipment ID:	B139_23A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P091
Company Equipment ID:	B139_13B
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Emissions Unit ID:	P092
Company Equipment ID:	B139_23B
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General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P093
Company Equipment ID:	B139_14A
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General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P094
Company Equipment ID:	B139_24A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P095
Company Equipment ID:	B139_14B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P096
Company Equipment ID:	B139_24B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P097
Company Equipment ID:	B139_15A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P098

Company Equipment ID:	B139_25A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P099
Company Equipment ID:	B139_15B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P100
Company Equipment ID:	B139_25B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P101
Company Equipment ID:	B139_16A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P102
Company Equipment ID:	B139_26A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P103
Company Equipment ID:	B139_16B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P104
Company Equipment ID:	B139_26B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P105
Company Equipment ID:	B140_21M
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P106
Company Equipment ID:	B140_11M

Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P107
Company Equipment ID:	B140_21C
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P108
Company Equipment ID:	B140_11C
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P109
Company Equipment ID:	B140_11A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P110
Company Equipment ID:	B140_21A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P111
Company Equipment ID:	B140_11B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P112
Company Equipment ID:	B140_21B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P113
Company Equipment ID:	B140_12A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P114
Company Equipment ID:	B140_22A
Superseded Permit Number:	

General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P115
Company Equipment ID:	B140_12B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P116
Company Equipment ID:	B140_22B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P117
Company Equipment ID:	B140_13A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P118
Company Equipment ID:	B140_23A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P119
Company Equipment ID:	B140_13B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P120
Company Equipment ID:	B140_23B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P121
Company Equipment ID:	B140_14A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P122
Company Equipment ID:	B140_24A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable

Emissions Unit ID:	P123
Company Equipment ID:	B140_14B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P124
Company Equipment ID:	B140_24B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P125
Company Equipment ID:	B140_15A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P126
Company Equipment ID:	B140_25A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P127
Company Equipment ID:	B140_15B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P128
Company Equipment ID:	B140_25B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P129
Company Equipment ID:	B140_16A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P130
Company Equipment ID:	B140_26A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P131

Company Equipment ID:	B140_16B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P132
Company Equipment ID:	B140_26B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P133
Company Equipment ID:	B141_21M
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P134
Company Equipment ID:	B141_11M
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P135
Company Equipment ID:	B141_21C
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P136
Company Equipment ID:	B141_11C
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P137
Company Equipment ID:	B141_11A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P138
Company Equipment ID:	B141_21A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P139
Company Equipment ID:	B141_11B

Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P140
Company Equipment ID:	B141_21B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P141
Company Equipment ID:	B141_12A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P142
Company Equipment ID:	B141_22A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P143
Company Equipment ID:	B141_12B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P144
Company Equipment ID:	B141_22B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P145
Company Equipment ID:	B141_13A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P146
Company Equipment ID:	B141_23A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P147
Company Equipment ID:	B141_13B
Superseded Permit Number:	

General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P148
Company Equipment ID:	B141_23B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P149
Company Equipment ID:	B141_14A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P150
Company Equipment ID:	B141_24A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P151
Company Equipment ID:	B141_14B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P152
Company Equipment ID:	B141_24B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P153
Company Equipment ID:	B141_15A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P154
Company Equipment ID:	B141_25A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P155
Company Equipment ID:	B141_15B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable

Emissions Unit ID:	P156
Company Equipment ID:	B141_25B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P157
Company Equipment ID:	B141_16A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P158
Company Equipment ID:	B141_26A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P159
Company Equipment ID:	B141_16B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P160
Company Equipment ID:	B141_26B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P161
Company Equipment ID:	B142_21M
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P162
Company Equipment ID:	B142_11M
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P163
Company Equipment ID:	B142_21C
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P164

Company Equipment ID:	B142_11C
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P165
Company Equipment ID:	B142_11A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P166
Company Equipment ID:	B142_21A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P167
Company Equipment ID:	B142_11B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P168
Company Equipment ID:	B142_21B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P169
Company Equipment ID:	B142_12A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P170
Company Equipment ID:	B142_22A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P171
Company Equipment ID:	B142_12B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P172
Company Equipment ID:	B142_22B

Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P173
Company Equipment ID:	B142_13A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P174
Company Equipment ID:	B142_23A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P175
Company Equipment ID:	B142_13B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P176
Company Equipment ID:	B142_23B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P177
Company Equipment ID:	B142_14A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P178
Company Equipment ID:	B142_24A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P179
Company Equipment ID:	B142_14B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P180
Company Equipment ID:	B142_24B
Superseded Permit Number:	

General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P181
Company Equipment ID:	B142_15A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P182
Company Equipment ID:	B142_25A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P183
Company Equipment ID:	B142_15B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P184
Company Equipment ID:	B142_25B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P185
Company Equipment ID:	B142_16A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P186
Company Equipment ID:	B142_26A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P187
Company Equipment ID:	B142_16B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P188
Company Equipment ID:	B142_26B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable

Emissions Unit ID:	P189
Company Equipment ID:	B143_21M
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P190
Company Equipment ID:	B143_11M
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P191
Company Equipment ID:	B143_21C
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P192
Company Equipment ID:	B143_11C
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P193
Company Equipment ID:	B143_11A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P194
Company Equipment ID:	B143_21A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P195
Company Equipment ID:	B143_11B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P196
Company Equipment ID:	B143_21B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P197

Company Equipment ID:	B143_12A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P198
Company Equipment ID:	B143_22A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P199
Company Equipment ID:	B143_12B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P200
Company Equipment ID:	B143_22B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P201
Company Equipment ID:	B143_13A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P202
Company Equipment ID:	B143_23A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P203
Company Equipment ID:	B143_13B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P204
Company Equipment ID:	B143_23B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P205
Company Equipment ID:	B143_14A

Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P206
Company Equipment ID:	B143_24A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P207
Company Equipment ID:	B143_14B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P208
Company Equipment ID:	B143_24B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P209
Company Equipment ID:	B143_15A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P210
Company Equipment ID:	B143_25A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P211
Company Equipment ID:	B143_15B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P212
Company Equipment ID:	B143_25B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P213
Company Equipment ID:	B143_16A
Superseded Permit Number:	

General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P214
Company Equipment ID:	B143_26A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P215
Company Equipment ID:	B143_16B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P216
Company Equipment ID:	B143_26B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P217
Company Equipment ID:	B144_21M
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P218
Company Equipment ID:	B144_11M
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P219
Company Equipment ID:	B144_21C
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P220
Company Equipment ID:	B144_11C
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P221
Company Equipment ID:	B144_11A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable

Emissions Unit ID:	P222
Company Equipment ID:	B144_21A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P223
Company Equipment ID:	B144_11B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P224
Company Equipment ID:	B144_21B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P225
Company Equipment ID:	B144_12A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P226
Company Equipment ID:	B144_22A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P227
Company Equipment ID:	B144_12B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P228
Company Equipment ID:	B144_22B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P229
Company Equipment ID:	B144_13A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P230

Company Equipment ID:	B144_23A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P231
Company Equipment ID:	B144_13B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P232
Company Equipment ID:	B144_23B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P233
Company Equipment ID:	B144_14A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P234
Company Equipment ID:	B144_24A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P235
Company Equipment ID:	B144_14B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P236
Company Equipment ID:	B144_24B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P237
Company Equipment ID:	B144_15A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P238
Company Equipment ID:	B144_25A

Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P239
Company Equipment ID:	B144_15B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P240
Company Equipment ID:	B144_25B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P241
Company Equipment ID:	B144_16A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P242
Company Equipment ID:	B144_26A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P243
Company Equipment ID:	B144_16B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P244
Company Equipment ID:	B144_26B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P245
Company Equipment ID:	B145_21M
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P246
Company Equipment ID:	B145_11M
Superseded Permit Number:	

General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P247
Company Equipment ID:	B145_21C
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P248
Company Equipment ID:	B145_11C
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P249
Company Equipment ID:	B145_11A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P250
Company Equipment ID:	B145_21A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P251
Company Equipment ID:	B145_11B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P252
Company Equipment ID:	B145_21B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P253
Company Equipment ID:	B145_12A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P254
Company Equipment ID:	B145_22A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable

Emissions Unit ID:	P255
Company Equipment ID:	B145_12B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P256
Company Equipment ID:	B145_22B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P257
Company Equipment ID:	B145_13A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P258
Company Equipment ID:	B145_23A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P259
Company Equipment ID:	B145_13B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P260
Company Equipment ID:	B145_23B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P261
Company Equipment ID:	B145_14A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P262
Company Equipment ID:	B145_24A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P263

Company Equipment ID:	B145_14B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P264
Company Equipment ID:	B145_24B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P265
Company Equipment ID:	B145_15A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P266
Company Equipment ID:	B145_25A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P267
Company Equipment ID:	B145_15B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P268
Company Equipment ID:	B145_25B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P269
Company Equipment ID:	B145_16A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P270
Company Equipment ID:	B145_26A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P271
Company Equipment ID:	B145_16B

Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P272
Company Equipment ID:	B145_26B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P273
Company Equipment ID:	B146_21M
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P274
Company Equipment ID:	B146_11M
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P275
Company Equipment ID:	B146_21C
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P276
Company Equipment ID:	B146_11C
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P277
Company Equipment ID:	B146_11A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P278
Company Equipment ID:	B146_21A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P279
Company Equipment ID:	B146_11B
Superseded Permit Number:	

General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P280
Company Equipment ID:	B146_21B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P281
Company Equipment ID:	B146_12A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P282
Company Equipment ID:	B146_22A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P283
Company Equipment ID:	B146_12B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P284
Company Equipment ID:	B146_22B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P285
Company Equipment ID:	B146_13A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P286
Company Equipment ID:	B146_23A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P287
Company Equipment ID:	B146_13B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable

Emissions Unit ID:	P288
Company Equipment ID:	B146_23B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P289
Company Equipment ID:	B146_14A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P290
Company Equipment ID:	B146_24A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P291
Company Equipment ID:	B146_14B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P292
Company Equipment ID:	B146_24B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P293
Company Equipment ID:	B146_15A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P294
Company Equipment ID:	B146_25A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P295
Company Equipment ID:	B146_15B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P296

Company Equipment ID:	B146_25B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P297
Company Equipment ID:	B146_16A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P298
Company Equipment ID:	B146_26A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P299
Company Equipment ID:	B146_16B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P300
Company Equipment ID:	B146_26B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P301
Company Equipment ID:	B147_21M
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P302
Company Equipment ID:	B147_11M
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P303
Company Equipment ID:	B147_21C
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P304
Company Equipment ID:	B147_11C

Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P305
Company Equipment ID:	B147_11A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P306
Company Equipment ID:	B147_21A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P307
Company Equipment ID:	B147_11B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P308
Company Equipment ID:	B147_21B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P309
Company Equipment ID:	B147_12A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P310
Company Equipment ID:	B147_22A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P311
Company Equipment ID:	B147_12B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P312
Company Equipment ID:	B147_22B
Superseded Permit Number:	

General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P313
Company Equipment ID:	B147_13A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P314
Company Equipment ID:	B147_23A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P315
Company Equipment ID:	B147_13B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P316
Company Equipment ID:	B147_23B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P317
Company Equipment ID:	B147_14A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P318
Company Equipment ID:	B147_24A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P319
Company Equipment ID:	B147_14B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P320
Company Equipment ID:	B147_24B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable

Emissions Unit ID:	P321
Company Equipment ID:	B147_15A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P322
Company Equipment ID:	B147_25A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P323
Company Equipment ID:	B147_15B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P324
Company Equipment ID:	B147_25B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P325
Company Equipment ID:	B147_16A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P326
Company Equipment ID:	B147_26A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P327
Company Equipment ID:	B147_16B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P328
Company Equipment ID:	B147_26B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P329

Company Equipment ID:	B148_21M
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P330
Company Equipment ID:	B148_11M
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P331
Company Equipment ID:	B148_21C
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P332
Company Equipment ID:	B148_11C
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P333
Company Equipment ID:	B148_11A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P334
Company Equipment ID:	B148_21A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P335
Company Equipment ID:	B148_11B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P336
Company Equipment ID:	B148_21B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P337
Company Equipment ID:	B148_12A

Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P338
Company Equipment ID:	B148_22A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P339
Company Equipment ID:	B148_12B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P340
Company Equipment ID:	B148_22B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P341
Company Equipment ID:	B148_13A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P342
Company Equipment ID:	B148_23A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P343
Company Equipment ID:	B148_13B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P344
Company Equipment ID:	B148_23B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P345
Company Equipment ID:	B148_14A
Superseded Permit Number:	

General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P346
Company Equipment ID:	B148_24A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P347
Company Equipment ID:	B148_14B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P348
Company Equipment ID:	B148_24B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P349
Company Equipment ID:	B148_15A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P350
Company Equipment ID:	B148_25A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P351
Company Equipment ID:	B148_15B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P352
Company Equipment ID:	B148_25B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P353
Company Equipment ID:	B148_16A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable

Emissions Unit ID:	P354
Company Equipment ID:	B148_26A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P355
Company Equipment ID:	B148_16B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P356
Company Equipment ID:	B148_26B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P357
Company Equipment ID:	B149_21M
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P358
Company Equipment ID:	B149_11M
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P359
Company Equipment ID:	B149_21C
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P360
Company Equipment ID:	B149_11C
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P361
Company Equipment ID:	B149_11A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P362

Company Equipment ID:	B149_21A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P363
Company Equipment ID:	B149_11B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P364
Company Equipment ID:	B149_21B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P365
Company Equipment ID:	B149_12A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P366
Company Equipment ID:	B149_22A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P367
Company Equipment ID:	B149_12B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P368
Company Equipment ID:	B149_22B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P369
Company Equipment ID:	B149_13A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P370
Company Equipment ID:	B149_23A

Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P371
Company Equipment ID:	B149_13B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P372
Company Equipment ID:	B149_23B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P373
Company Equipment ID:	B149_14A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P374
Company Equipment ID:	B149_24A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P375
Company Equipment ID:	B149_14B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P376
Company Equipment ID:	B149_24B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P377
Company Equipment ID:	B149_15A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P378
Company Equipment ID:	B149_25A
Superseded Permit Number:	

General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P379
Company Equipment ID:	B149_15B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P380
Company Equipment ID:	B149_25B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P381
Company Equipment ID:	B149_16A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P382
Company Equipment ID:	B149_26A
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P383
Company Equipment ID:	B149_16B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P384
Company Equipment ID:	B149_26B
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable

Group Name: Group 2

Emissions Unit ID:	P385
Company Equipment ID:	AWB_GEN1
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P386

Company Equipment ID:	AWB_GEN2
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable

Group Name: Group 3

Emissions Unit ID:	P387
Company Equipment ID:	CAB_GENX
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable

Group Name: Group 4

Emissions Unit ID:	P388
Company Equipment ID:	ACB_GENX
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable

List of Commonly Used Abbreviations

AP-42 = U.S. EPA's Compilation of Air Pollution Emissions Factors	HVLP = high volume, low pressure	PER = Permit Evaluation Report
ASTM = American Society for Testing and Materials	LAER = lowest achievable emission rate	PM = particulate matter
BACT = Best Available Control Technology	lb(s)/hr = pound(s) per hour	PM ₁₀ = particulate matter with an aerodynamic diameter less than or equal to 10 microns
BAT = Best Available Technology	LDAR = leak detection and repair	PM _{2.5} = particulate matter with an aerodynamic diameter less than or equal to 2.5 microns
CAA = Clean Air Act	LPG = liquefied petroleum gas/propane	ppb = parts per billion
CAM = compliance assurance monitoring	MACT = maximum achievable control technology	ppm = parts per million
CEMS = continuous emissions monitoring system	MAGLC = maximum acceptable ground level concentration	PSD = Prevention of Significant Deterioration
CFC = chlorofluorocarbon	mg/m ³ = milligrams per cubic meter	psi = pounds per square inch
CFR = Code of Federal Regulations	MM = million	psia = pounds per square inch absolute
CH ₄ = methane	MMBtu = million British Thermal Units	PTE = potential-to-emit
CI = compression ignition	MSDS = material safety data sheet	PTI = Permit-to-Install
CO = carbon monoxide	MSW = municipal solid waste	PTIO = Permit-to-Install and Operate
CO ₂ = carbon dioxide	NAAQS = National Ambient Air Quality Standard	PTO = Permit-to-Operate
COM = continuous opacity monitor	NESHAP = National Emission Standard for Hazardous Air Pollutants	PWR = process weight rate
DAPC = Division of Air Pollution Control	NG = natural gas	RACM = reasonably available control measures
DO/LAA = District Office/Local Air Agency	ng/m ³ = nanograms per cubic meter	RACT = reasonably available control technology
dscf = dry standard cubic foot	NH ₃ = ammonia	RATA = relative accuracy test audit
EAC = emissions activity category	NMHC = non-methane hydrocarbons	RTO = regenerative thermal oxidizer
eDocs = electronic documents database	NMOC = non-methane organic compound	SB265 = Senate Bill 265
ERAC = Environmental Review Appeals Commission	NO = nitrogen oxide	scfm = standard cubic feet per minute
ESP = electrostatic precipitator	NO ₂ = nitrogen dioxide	SI = spark ignition
EU = emissions unit	NO _x = nitrogen oxides	SIP = State Implementation Plan
FEPTIO = Federally Enforceable Permit-to-Install and Operate	NSPS = New Source Performance Standard	SO ₂ = sulfur dioxide
FER = Fee Emissions Report	NSR = New Source Review	SSMP = startup, shutdown, and malfunction plan
FR = Federal Register	NTV = Non-Title V	TDS = total dissolved solids
GACT = generally achievable control technology	O&M = operation and maintenance	TLV = threshold limit value
GHG = greenhouse gases	OAC = Ohio Administrative Code	TO = thermal oxidizer
gr/dscf = grains per dry standard cubic foot	OC = organic compound	TPH = ton(s) per hour
H ₂ S = hydrogen sulfide	Ohio EPA = Ohio Environmental Protection Agency	TPY = ton(s) per year
H ₂ SO ₄ = sulfuric acid	ORC = Ohio Revised Code	TSP = total suspended particulates
HAP = hazardous air pollutant	Pb = lead	VE = visible particulate emissions
HCl = hydrogen chloride	PBR = Permit-By-Rule	VMT = vehicle miles traveled
HF = hydrogen fluoride	PCB = polychlorinated biphenyl	VOC = volatile organic compound
Hg = mercury	PE = particulate emissions	WPP = work practice plan
hp = horsepower	PEMS = predictive emissions monitoring system	µg/m ³ = micrograms per cubic meter

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), Compliance Requirements
 - (4) Standard Term and Condition A.8., Air Pollution Nuisance
 - (5) Standard Term and Condition A.9., Reporting Requirements
 - (6) Standard Term and Condition A.10., Applicability
 - (7) Standard Term and Condition A.11.b) through A.11.e), Construction of New Source(s) and Authorization to Install
 - (8) Standard Term and Condition A.14., Public Disclosure
 - (9) 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
 - (10) Standard Term and Condition A.16., Fees
 - (11) 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) 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 Ohio EPA DAPC, Central Office.
 - (2) Quarterly written reports of (i) any deviations from federally enforceable emission limitations, operational restrictions, and control device operating parameter limitations, 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 Ohio EPA DAPC, Central Office. 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, and reporting requirements contained in this permit shall be submitted to the DO/LAA 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 semiannual 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 Ohio EPA DAPC, Central Office 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) All applications, notifications or reports required by terms and conditions in this permit to be submitted or "reported in writing" are to be submitted to Ohio EPA through the Ohio EPA's eBusiness Center: Air Services web service ("Air Services"). Ohio EPA will accept hard copy submittals on an as-needed basis if the permittee cannot submit the required documents through the Ohio EPA eBusiness Center. In the event of an alternative hard copy submission in lieu of the eBusiness Center, the post-marked date or the date the document is delivered in person will be recognized as the date submitted. Electronic submission of applications, notifications or reports required to be submitted to Ohio EPA fulfills the requirement to submit the required information to the Director, the appropriate Ohio EPA District Office or contracted local air agency, and/or any other individual or organization specifically identified as an additional recipient identified in this permit unless otherwise specified. Consistent with OAC rule 3745-15-03, the electronic signature date shall constitute the date that the required application, notification or report is considered to be "submitted". Any document requiring signature may be represented by entry of the personal identification number (PIN) by responsible official as part of the electronic submission process or by the scanned attestation document signed by the Authorized Representative that is attached to the electronically submitted written report.

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.

- b) Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the Director of the Ohio EPA or an authorized representative of the Director to:
 - (1) At reasonable times, enter upon the permittee's premises where a source is located, or the emissions-related activity is conducted, or where records must be kept under the conditions of this permit.
 - (2) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit, subject to the protection from disclosure to the public of confidential information consistent with 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.
- c) The permittee shall submit progress reports to the Ohio EPA DAPC, Central Office 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 Ohio EPA DAPC, Central Office.
- 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 Ohio EPA DAPC, Central Office. If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted quarterly, by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.)

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) not exempt from the requirement to obtain a permit-to-install.

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 once by twelve months if application is made to the Director within a reasonable time before the termination date and the permittee 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 "Air Services" along with the date the emissions unit(s) was permanently removed and/or disabled. Submitting the facility profile update electronically will constitute notifying the Director of the permanent shut down 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 shut down 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.

Unless otherwise exempted, no emissions unit certified by the responsible official as being permanently shut down may resume operation without first applying for and obtaining a permit pursuant to OAC Chapter 3745-31 and OAC Chapter 3745-77 if the restarted operation is subject to one or more applicable requirements.

- 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 any other 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 months after commencing operation of the emissions units covered by this permit. However, if operation of the proposed new or modified source(s) as authorized by this permit would be prohibited by the terms and conditions of an existing Title V permit, a Title V permit modification of such new or modified

source(s) pursuant to OAC rule 3745-77-04(D) and OAC rule 3745-77-08(C)(3)(d) must be obtained before operating the source in a manner that would violate the existing Title V permit requirements.

13. Construction Compliance Certification

The applicant shall identify the following dates in the "Air Services" 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 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 any fees to 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. Failure to provide the applicable permit fee within 30 days may result in the accrual of substantial interest penalties. 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. A “nonroad engine” (see 40 CFR 1068.30)
 - a) is portable (i.e., on a piece of equipment that is portable or transportable, meaning designed to be and capable of being carried or moved from one location to another; indicia of transportability include, but are not limited to, wheels, skids, carrying handles, dolly, trailer, or platform);
 - b) does not remain at a given location for more than 12 consecutive months (a portable engine that replaces another portable engine at the given location and that is intended to perform the same or similar function as the portable engine replaced shall be included in calculating the consecutive time period); and
 - c) has been properly certified as meeting the standards that would be applicable to such engine under the appropriate nonroad engine provisions (e.g., 40 CFR Part 1039).
3. Each roll-up emergency generator that does not qualify as a nonroad engine (“transitory generator”) and is brought on site to temporarily operate in place of a permitted emissions unit must be permitted by the owner of the unit and operated in accordance with all applicable state and federal regulations. The emissions from each transitory generator brought on site must be tracked and counted toward the facility-wide, federally enforceable emissions limitations as required in B.4 through B.16 below. The terms and conditions in this permit do not apply to nonroad engines as defined in B.2 above.
4. The emissions of nitrogen oxides (NO_x) from emissions units P001 through P388; all transitory generators; all de minimis emissions units as defined in OAC rule 3745-15-05; all permit exempt emissions units pursuant to OAC rule 3745-31-03; and all permit-by-rule emissions units pursuant to OAC rule 3745-31-30, combined, shall not exceed 206.0 tons per rolling, 12-month period.
5. The emissions of carbon monoxide (CO) from emissions units P001 through P388 and all transitory generators, combined, shall not exceed 139.8 tons per rolling, 12-month period.
6. The emissions of volatile organic compounds (VOC) from emissions units P001 through P388 and all transitory generators, combined, shall not exceed 200.0 tons per rolling, 12-month period.
7. The NO_x emissions from emissions units P001 through P384 shall be vented to an SCR that is designed to achieve a maximum outlet emission rate of 0.5 g/bhp-hr for NO_x at all times when the SCR catalyst bed temperature is at or above 572 degrees F (300 degrees C).
8. The CO and VOC emissions from emissions units P001 through P384 shall be vented to an oxidation catalyst which shall be designed to achieve a maximum outlet emission rates of 0.54 g/bhp-hr for CO and 0.089 g/bhp-hr for VOC when the engine is operating at 100% load and the SCR catalyst bed temperature is at or above 572 degrees F (300 degrees C).
9. The maximum facility-wide fuel usage shall be limited by the following formulas for each rolling, 12-month period:

$$206.0 \text{ tons of NO}_x \geq \sum_{i=1}^n \frac{EF_{\text{NO}_x,i} Q_i}{2,000 \frac{\text{lb}}{\text{ton}}} + \sum_{j=1}^n \text{NO}_{x,j}$$

$$139.8 \text{ tons of CO} \geq \sum_{i=1}^n \frac{EF_{CO,i} Q_i}{2,000 \frac{\text{lb}}{\text{ton}}}$$

$$200.0 \text{ tons of VOC} \geq \sum_{i=1}^n \frac{EF_{VOC,i} Q_i}{2,000 \frac{\text{lb}}{\text{ton}}}$$

where:

i = each emissions unit, P001 through P388 and the transitory generators

$EF_{NO_x,i}$ = the NO_x emissions factor for the engine type dependent on whether the emissions are controlled, in lb/gal, for each emissions unit, i, based on the manufacturer's technical specifications. The NO_x emissions factors for emissions units P001 through P308 are provided in Table 1 below.

Table 1: NO_x Emissions Factors for P001 through P388

Emissions Unit(s)	Emissions Factor (lb/gal)
P001 – P384	0.287 (uncontrolled)
P001 – P384	0.0241 (controlled)
P385 and P386	0.274
P387	0.18
P388	0.197

$EF_{CO,i}$ = the CO emissions factor for the engine type dependent on whether the emissions are controlled, in lb/gal, for each emissions unit, i, based on the manufacturer's technical specifications. The CO emissions factors for emissions units P001 through P388 are provided in Table 2 below.

Table 2: CO Emissions Factors for P001 through P388

Emissions Unit(s)	Emissions Factor (lb/gal)
P001 – P384	0.0689 (uncontrolled)
P001 – P384	0.0276

	(controlled)
P385 and P386	0.0482
P387	0.0239
P388	0.015

$EF_{VOC,i}$ = the VOC emissions factor for the engine type dependent on whether the emissions are controlled, in lb/gal, for each emissions unit, i, based on the manufacturer's technical specifications and/or AP-42. The VOC emissions factors for emissions units P001 through P388 are provided in Table 3 below.

Table 3: VOC Emissions Factors for P001 through P388

Emissions Unit(s)	Emissions Factor (lb/gal)
P001 – P384	0.0395 (uncontrolled)
P001 – P384	0.0234 (controlled)
P385 and P386	0.014
P387	0.0150
P388	0.0532

Q_i = the number of gallons of fuel used by each emissions unit, i, for each operating scenario (i.e., controlled or uncontrolled) during the rolling, 12-month period

$NO_{x,i}$ = the rolling, 12-month NO_x emissions, in tons, for each de minimis, permit exempt, and permit-by-rule emissions unit except for the transitory generators, j

10. The permittee shall install, operate, and maintain each oxidation catalyst and SCR system, including the diesel exhaust fluid injection system, in accordance with the manufacturer's recommendations, instructions, and/or operating manual, with any modifications deemed necessary by the permittee. The permittee shall maintain the SCR catalyst bed temperature below the maximum temperature established by the manufacturer.
11. The permittee shall maintain documentation of the manufacturer's recommendations, instructions, and/or operating manual for the oxidation catalyst and SCR system, along with documentation of any modifications deemed necessary by the permittee. These documents shall be maintained at the facility and shall be made available to the Ohio EPA, DO/LAA upon request.
12. The permittee shall maintain the following information for maintenance and repairs performed on each oxidation catalyst and SCR system:
 - a) the date of the maintenance and/or repair;
 - b) a description of the maintenance and/or repairs performed; and
 - c) the name of person(s) who performed the maintenance and/or repair.
13. The permittee shall properly install, operate, and maintain equipment that continuously monitors and records [i.e., completes a minimum of one cycle of operation (sampling, analyzing, and data recording) for

each successive 15-minute period] the following information for each oxidation catalyst and SCR system at all times when the associated engine is in operation:

- a) the NO_x concentration at the inlet to the control system;
- b) the pressure drop across the control system;
- c) the NO_x concentration at the SCR catalyst bed exhaust; and
- d) the temperature at the SCR catalyst bed.

This information shall be correlated to the fuel flow meter to determine the amount of fuel consumed during each operating scenario (i.e., controlled or uncontrolled). Each monitoring device shall be equipped with a mechanism to detect parameters that exceed manufacturer's recommended thresholds and trigger an alarm to operators when the control system is not operating within the manufacturer's recommended conditions.

14. The permittee shall maintain monthly records of the following information:

- a) the number of gallons of fuel used by each emissions unit for P001 through P388 and the transitory generators for each operating scenario (i.e., controlled or uncontrolled);
- b) the rolling, 12-month summation of the number of gallons of fuel used by each emissions unit for P001 through P388 and the transitory generators for each operating scenario (i.e., controlled or uncontrolled);
- c) the rolling, 12-month summation of NO_x emissions from emissions units P001 through P388; all transitory generators; all de minimis emissions units; all permit exempt emissions units; and all permit-by-rule emissions units, combined, in tons;
- d) the rolling, 12-month summation of CO emissions from emissions units P001 through P388 and all transitory generators, combined, in tons; and
- e) the rolling, 12-month summation of VOC emissions from emissions units P001 through P388 and all transitory generators, combined, in tons.

The rolling, 12-month summation of NO_x, CO, and VOC emissions from emissions units P001 through P388 and the transitory generators shall be calculated using NO_x, CO, and VOC emissions factors based on the manufacturer's technical specifications and/or AP-42. The emissions factors that shall be used for emissions units P001 through P388 are specified in Tables 1 through 3 above.

15. 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, recordkeeping and/or testing requirements in this permit:
 - (1) each period of time (start time and date, and end time and date) when an SCR catalyst bed temperature was at or above 572 degrees F (300 degrees C) and the NO_x emissions were not controlled by the SCR system;
 - (2) each period of time (start time and date, and end time and date) when an oxidation catalyst failed to control CO and/or VOC emissions in accordance with this permit;
 - (3) all exceedances of the rolling, 12-month fuel limitation specified in B.9 above;
 - (4) all exceedances of the rolling, 12-month NO_x emissions limitation;
 - (5) all exceedances of the rolling, 12-month CO emissions limitation; and
 - (6) all exceedances of the rolling, 12-month VOC emissions limitation.

- 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 each year by January 31 (covering October to December), April 30 (covering January to March), July 31 (covering April to June), and October 31 (covering July to September), unless an alternative schedule has been established and approved by the director (Ohio EPA, DO/LAA).

16. Emissions Limitations

The emissions of NO_x from emissions units P001 through P388; all transitory generators; all de minimis emissions units as defined in OAC rule 3745-15-05; all permit exempt emissions units pursuant to OAC rule 3745-31-03; and all permit-by-rule emissions units pursuant to OAC rule 3745-31-30, combined, shall not exceed 206.0 tons per rolling, 12-month period.

The emissions of CO from emissions units P001 through P388 and all transitory generators, combined, shall not exceed 139.8 tons per rolling, 12-month period.

The emissions of VOC from emissions units P001 through P388 and all transitory generators, combined, shall not exceed 200.0 tons per rolling, 12-month period.

Applicable Compliance Method

Compliance with these emissions limitations shall be determined through the recordkeeping requirements specified in B.13 and B.14 above.

17. The permittee shall conduct, or have conducted, emissions testing for emissions units P001 through P384 in accordance with the following requirements:

- a) The emissions testing shall be conducted on ten of the emissions units within 180 days after initial startup.
- b) The emissions testing shall be conducted to verify the controlled emissions factors identified in Tables 1 through 3 above for NO_x, CO, and VOC.
- c) The following test method(s) shall be employed:
 - for NO_x, Methods 1 through 4 and 7E of 40 CFR Part 60, Appendix A;
 - for CO, Methods 1 through 4 and 10 of 40 CFR Part 60, Appendix A; and
 - for VOC, Methods 1 through 4, and 18, 25, or 25A, as appropriate, of 40 CFR Part 60, Appendix A. Use of Method 18, 25, or 25A is to be selected based on the results of pre-survey stack sampling and U.S. EPA guidance documents.

Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.
- d) During the emissions testing, the EU shall be operated under operational conditions approved in advance by the appropriate Ohio DO/LAA. Operational conditions that may need to be approved include, but are not limited to, the production rate, the type of material processed, material make-up (solvent content, etc.) or control equipment operational limitations (burner temperature, precipitator voltage, etc.). In general, testing shall be done under worst case conditions expected

during the life of the permit. As part of the information provided in the Intent to Test (ITT) notification form described below, the permittee shall provide a description of the EU operational conditions they will meet during the emissions testing and describe why they believe *worst case* operating conditions will be met. Prior to conducting the test(s), the permittee shall confirm with the appropriate Ohio EPA DO/LAA that the proposed operating conditions constitute worst case. Failure to test under the approved conditions may result in Ohio EPA not accepting the test results as a demonstration of compliance.

- e) Not later than 30 days prior to the proposed test date(s), the permittee shall submit an ITT notification to the appropriate Ohio EPA DO/LAA. The ITT notification shall describe in detail the proposed test methods and procedures, the EU 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 DO/LAA's refusal to accept the results of the emission test(s).
 - f) Personnel from the appropriate Ohio EPA DO/LAA 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 EU and the testing procedures provide a valid characterization of the emissions from the EU and/or the performance of the control equipment.
 - g) A comprehensive written report on the results of the emissions test(s) shall be signed by the person(s) responsible for the tests and submitted to the appropriate Ohio EPA DO/LAA within 60 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 DO/LAA.
18. Unless other arrangements have been approved by the director, all notifications and reports shall be submitted through Ohio EPA's eBusiness Center: Air Services online web portal.
19. The Ohio EPA has determined that this facility operates affected sources that are subject to the requirements of 40 CFR Part 63, Subpart ZZZZ, the National Emission Standards for Hazardous Air Pollutants (NESHAP) for Stationary Reciprocating Internal Combustion Engines. Ohio EPA is not accepting the delegation authority to implement and enforce the area source requirements of this NESHAP standard. The area source requirements of this NESHAP standard are implemented and enforced by U.S. EPA, Region 5. The promulgated version of this NESHAP standard and the 40 CFR Part 63, General Provisions may be accessed via the Internet from the Electronic Code of Federal Regulations (e-CFR) website <http://www.ecfr.gov/> or by contacting the Ohio EPA, DO/LAA.

C. Emissions Unit Terms and Conditions

1. Emissions Unit Group – Group 1 Diesel-Fired Emergency Generators: P001 through P384

EU ID	Operations, Property and/or Equipment Description
P001 – P384	Group 1 Diesel-Fired Emergency Generator

- 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) See b)(1)f., b)(1)j., c)(1), d)(1), d)(2), d)(3), d)(10) through d)(13), e)(2), and f)(1)d. below.

- 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 3745-17-07(A)	Visible particulate emissions from the stack serving this emissions unit shall not exceed 20 percent opacity as a six-minute average, except as provided by rule.
b.	OAC rule 3745-17-11(B)(5)(b)	Particulate emissions from the engine's exhaust shall not exceed 0.062 lb/MMBtu actual heat input.
c.	OAC rule 3745-18-06(G)	SO ₂ emissions shall not exceed 0.5 lb/MMBtu actual heat input.
d.	OAC rule 3745-31-05(A)(3)(a)(ii)	The BAT requirements under OAC rule 3745-31-05(A)(3) do not apply to the NO _x , CO, VOC, PM ₁₀ , PM _{2.5} , and SO ₂ emissions from this air contaminant source since the potentials to emit are less than 10 tons per year taking into account the SCR that is required under OAC rule 3745-31-05(D).
e.	OAC rule 3745-31-05(D) [Federally enforceable limitations to avoid NSR]	See 2. through 17. of Section B - Facility-Wide Terms and Conditions.
f.	OAC rule 3745-31-05(E) [State-only enforceable limitation to pass modeling for PM _{2.5} and avoid modeling for PM ₁₀]	The PE from this emissions unit shall be vented to diesel particulate filters that are designed to achieve a maximum outlet emission rate of 0.022 g/bhp-hr for filterable particulates at all times when the emissions unit is in operation.
g.	OAC rule 3745-110-03	See b)(2)e. below.



h.	40 CFR Part 60, Subpart IIII 40 CFR 60.4202(b)(2) 40 CFR 60.4205(b) 40 CFR 60.4207(b) 40 CFR Part 1039, Appendix I, Tier 2 40 CFR 1039.105	The emissions unit shall be certified to meet the following emissions standards: 0.20 grams PM/kW-hr; 6.4 grams NO _x + NMHC/kW-hr; 3.5 grams CO/kW-hr; 20 percent opacity during the acceleration mode; 15 percent opacity during the lugging mode; and 50 percent opacity during the peaks in either the acceleration or lugging modes. See b)(2)a. through b)(2)d. below.
i.	40 CFR Part 60, Subpart A	Table 8 to 40 CFR Part 60, Subpart IIII- "Applicability of General Provisions to Subpart IIII" identifies which parts of the General Provisions in 40 CFR Part 60.1-19 apply.
j.	ORC 3704.03(F)(3)(c) and (F)(4) [Toxic air contaminant statute]	See d)(10) through d)(13) below.

(2) Additional Terms and Conditions

- a. The emergency stationary compression ignition (CI) internal combustion engine (ICE) is subject to and shall be operated in compliance with the requirements of 40 CFR Part 60, Subpart IIII, the standards of performance for stationary CI ICE.
- b. The emergency stationary CI ICE has been or shall be purchased certified by the manufacturer to emission standards as stringent as those identified in 40 CFR 60.4202(a)(2), including the Tier 2 standards in 40 CFR 1039, Appendix I for engines greater than or equal to 750 horsepower (560 kilowatt) and the smoke standards as specified in 40 CFR 1039.105.
- c. The emergency stationary ICE must comply with the applicable requirements specified in 40 CFR 60.4211(f) in order to be considered an emergency stationary ICE under Part 60, Subpart IIII.
- d. The emergency stationary CI ICE shall burn only ULSD, hydrogenated renewable diesel, or a blend of ULSD and hydrogenated renewable diesel that meets the following conditions:
 - i. The fuel shall meet the ICE manufacturer's fuel specifications for the specific make and model of engine. In accordance with the information provided in the permit application, hydrogenated renewable diesel fuel shall comply with the requirements of EN15940 and ASTM D975.
 - ii. The fuel shall not contravene the ICE's Tier 2 certification.

- iii. The fuel shall meet the following per-gallon ULSD standards:
 - (a) A maximum sulfur content of 15 ppm (0.0015% sulfur by weight); and
 - (b) A cetane index or aromatic contents, as follows:
 - (i) A minimum cetane index of 40; or
 - (ii) A maximum aromatic content of 35 volume percent.
 - e. For the purpose of meeting the exemption in OAC rule 3745-110-03(K)(2), the emergency stationary CI ICE shall not be operated in any consecutive 12-month period to equal or exceed 500 hours of operation. If the engine operation equals or exceeds 500 hours during any consecutive 12-month period, the NO_x emissions shall not exceed 3.0 g/hp-hr; and the permittee shall demonstrate compliance in accordance with OAC rule 3745-110-05.
- c) Operational Restrictions
- (1) The permittee shall install and operate the diesel particulate filters for the control of particulate emissions whenever this emissions unit is in operation and shall maintain the diesel particulate filters in accordance with the manufacturer's recommendations, instructions, and/or operating manual, with any modifications deemed necessary by the permittee.
 - (2) The emergency stationary CI ICE shall be installed, operated, and maintained according to the manufacturer's emission-related written instructions and the permittee shall only change those emission-related settings that are allowed by the manufacturer. The CI ICE must also be installed and operated to meet the applicable requirements from 40 CFR Part 60, Subpart III; 40 CFR Part 1039, Control of Emissions from New and In-use Nonroad CI Engines; and 40 CFR Part 1068, the General Compliance Provisions for Highway, Stationary, and Nonroad Programs. The permittee shall operate and maintain the stationary CI ICE to achieve the emissions standards established in 40 CFR 60.4205 over the entire life of the engine.
- d) Monitoring and/or Recordkeeping Requirements
- (1) The permittee shall maintain documentation of the manufacturer's recommendations, instructions, and/or operating manual for the diesel particulate filters, along with documentation of any modifications deemed necessary by the permittee. These documents shall be maintained at the facility and shall be made available to the Ohio EPA, DO/LAA upon request.
 - (2) The permittee shall regenerate the diesel particulate filters in accordance with the manufacturer's recommendations, instructions, and/or operating manual.
 - (3) The permittee shall maintain the following information for maintenance and repairs performed on the diesel particulate filters:
 - a. the date of the maintenance and/or repair;
 - b. a description of the maintenance and/or repairs performed; and
 - c. the name of person(s) who performed the maintenance and/or repair.
 - (4) The permittee shall maintain the manufacturer's certification, to the applicable Tier 2 emission standards in 40 CFR 1039, Appendix I, on site or at a central location for all facility ICE and it shall be made available for review upon request. If the manufacturer's certification is not kept on site, the permittee shall maintain a log for the location of each ICE and it shall identify the agency-assigned emissions unit number, the manufacturer's identification



number, and the identification number of the certificate. The manufacturer's operations manual and any written instructions or procedures developed by the permittee and approved by the manufacturer shall be maintained at the same location as the ICE.

- (5) The permittee shall maintain the manufacturer's fuel specifications for the specific make and model of engine. For each shipment of hydrogenated renewable diesel or blend of ULSD and hydrogenated renewable diesel received for burning in this emissions unit, the permittee shall maintain documentation provided by the fuel supplier that demonstrates the fuel meets the ICE manufacturer's fuel specifications.
- (6) For each shipment of fuel received for burning in this emissions unit, the permittee shall demonstrate compliance with the ULSD standards by one of the following methods:
 - a. Maintain documents provided by the fuel supplier stating that the fuel is certified to meet the ULSD standards. These documents shall include the receipt or bill of lading that includes confirmation that the fuel meets the ULSD standard.
 - b. The permittee shall perform or require the fuel supplier to perform an analysis of the fuel to determine the sulfur content and cetane index or aromatic content of the fuel delivered.

A shipment may be comprised of multiple tank truck loads from the same supplier's batch, or may be represented by single or multiple pipeline deliveries from the same supplier's batch, and the quality of the fuel for those loads or pipeline deliveries may be represented by a single batch analysis.

- (7) For each day during which the permittee burns a fuel other than ULSD, hydrogenated renewable diesel, or a blend of ULSD and hydrogenated renewable diesel, the permittee shall maintain a record of the type, percent sulfur content, and quantity of fuel burned in this emissions unit.
- (8) The emergency stationary CI ICE shall be installed with a non-resettable hour meter prior to startup of the engine.
- (9) The permittee shall maintain monthly records of the following information:
 - a. the total number of hours the engine was in operation;
 - b. the number of hours spent in emergency operation;
 - c. what classified the operation as an emergency;
 - d. the number of hours spent in non-emergency operation;
 - e. the number of hours in maintenance checks and readiness testing; and
 - f. the rolling, 12-month summation of the number of hours the engine was in operation.
- (10) The PTI application for emissions units P001 through P384 was evaluated based on the actual materials and the design parameters of the emissions units' exhaust systems, as specified by the permittee. The *Toxic Air Contaminant Statute*, ORC 3704.03(F), was applied to these emissions units for each toxic air contaminant listed in OAC rule 3745-114-01 using data from the permit application; and modeling was performed for each toxic air contaminant emitted at over one ton per year (tpy) using an air dispersion model such as AERSCREEN, AERMOD, ISCST3 or other Ohio EPA-approved model. The predicted one-hour maximum ground-level concentration results from the approved air dispersion model, were compared to the maximum acceptable ground-level concentration (MAGLC), calculated as described in Ohio

EPA guidance document entitled "Review of New Sources of Air Toxic Emissions, Option A," as follows:

- a. The exposure limit, expressed as a time-weighted average concentration for a conventional eight-hour workday and a 40-hour workweek, for each toxic compound emitted from the emissions units (as determined from the raw materials processed and/or coatings or other materials applied), has been documented from one of the following sources and in the following order of preference (TLV was and shall be used, if the chemical is listed):
 - i. Threshold limit value (TLV) from the American Conference of Governmental Industrial Hygienists (ACGIH) "Threshold Limit Values for Chemical Substances and Physical Agents Biological Exposure Indices shall be used, if the chemical is listed; or
 - ii. Short-term exposure limit (STEL) or the ceiling value from the American Conference of Governmental Industrial Hygienists (ACGIH) "Threshold Limit Values for Chemical Substances and Physical Agents Biological Exposure Indices"; the STEL or ceiling value is multiplied by 0.737 to convert the 15-minute exposure limit to an equivalent eight-hour TLV.
- b. The TLV is divided by 10 to adjust the standard from the working population to the general public.
- c. This standard is adjusted to account for the duration of the exposure or the operating hours of the emissions units, that is, 24 hours per day and 7 days per week, from that of 8 hours per day and 5 days per week.
- d. The resulting calculation shall be used to determine the MAGLC:

$$\frac{TLV}{10} \times \frac{8}{24} \times \frac{5}{7} = 4 \frac{TLV}{168} = MAGLC$$
- e. The following summarizes the results of dispersion modeling for the significant toxic contaminants or *worst-case* scenario:
 - i. Toxic Contaminant: ammonia
 TLV (mg/m³): 17
 Maximum Hourly Emission Rate (g/s): 0.0244 (per engine)
 Predicted One-Hour Maximum Ground-Level Concentration (µg/m³): 127
 MAGLC (µg/m³): 415

The permittee has demonstrated that emissions of ammonia, from emissions units P001 through P384 are calculated to be less than 80 percent of the MAGLC; any new raw material or processing agent shall not be applied without evaluating each component toxic air contaminant in accordance with the *Toxic Air Contaminant Statute*, ORC 3704.03(F).

- (11) Prior to making any physical changes to or changes in the method of operation of the emissions units that could impact the parameters or values that were used in the predicted one-hour maximum ground-level concentration, the permittee shall re-model any change to demonstrate that the MAGLC has not been exceeded. Changes that can affect the parameters/values used in determining the one-hour maximum ground-level concentration include, but are not limited to, the following:



- a. Changes in the composition of the materials used or the use of new materials, that would result in the emissions of a new toxic air contaminant with a lower TLV than the lowest TLV previously modeled.
- b. Changes in the composition of the materials, or use of new materials, that would result in an increase in emissions of any toxic air contaminant listed in OAC rule 3745-114-01, that was modeled from the initial (or last) application.
- c. Physical changes to the emissions units or exhaust parameters (for example, increased/ decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).

If the permittee determines the *Toxic Air Contaminant Statute, ORC 3704.03(F)*, will be satisfied for the above changes, Ohio EPA will not consider a change to be a *modification* under OAC rule 3745-31-01 solely due to a non-restrictive change to a parameter or process operation, where compliance with the *Toxic Air Contaminant Statute, ORC 3704.03(F)*, has been documented. If each change meets the definition of a *modification*, the permittee shall apply for and obtain a final PTI prior to the change. The director may consider any significant departure from the operations of the emissions unit, described in the permit application, as a modification that results in greater emissions than the emissions rate modeled to determine the ground-level concentration; and he/she may require the permittee to submit a permit application for the increased emissions.

- (12) The permittee shall collect, record, and retain the following information for each toxic evaluation conducted to determine compliance with the *Toxic Air Contaminant Statute ORC 3704.03(F)*:

- a. A description of the parameters/values used in each compliance demonstration and the parameters or values changed for any re-evaluation of the toxic(s) modeled (for example, the composition of materials, new toxic contaminants emitted, change in stack/exhaust parameters, etc.).
- b. The MAGLC for each significant toxic contaminant or worst-case contaminant, calculated per the *Toxic Air Contaminant Statute, ORC 3704.03(F)*.
- c. A copy of the computer model run(s), that established the predicted one-hour maximum ground-level concentration that demonstrated the emissions units to be in compliance with the *Toxic Air Contaminant Statute, ORC 3704.03(F)*, initially and for each change that requires re-evaluation of the toxic air contaminant emissions.
- d. The documentation of the initial evaluation of compliance with the *Toxic Air Contaminant Statute, ORC 3704.03(F)*, and documentation of any determination that was conducted to re-evaluate compliance due to a change made to the emissions units or the materials applied.

- (13) The permittee shall maintain a record of any change made to a parameter or value entered in the dispersion model used to demonstrate compliance with the *Toxic Air Contaminant Statute, ORC 3704.03(F)*, through the predicted one-hour maximum ground-level concentration. The record shall include the date and reason(s) for the change and if the change would increase the ground-level concentration.

e) Reporting Requirements

- (1) The permittee shall submit to Ohio EPA, DO/LAA a revised EAC form that identifies the serial number for the engine within 30 days after placement on its concrete pad.

- (2) The permittee shall submit annual reports that include any changes to any parameter or value entered in the dispersion model used to demonstrate compliance with the *Toxic Air Contaminant Statute*, ORC 3704.03(F), through the predicted one-hour maximum ground-level concentration. The report shall include:
- The original model input.
 - The updated model input.
 - The reason for each change to any input parameter.
 - A summary of the results of the updated modeling, including the input changes.
 - A statement that the model results indicate that the one-hour maximum ground-level concentration is less than 80 percent of the MAGLC.

If no changes to the emissions, emissions units or the exhaust stacks have been made during the reporting period, then the report shall include a statement to that effect. This report shall be postmarked or delivered no later than January 31 following the end of each calendar year.

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. Emissions Limitation

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

Applicable Compliance Method

If required, compliance with the stack visible particulate emissions limitation shall be determined through visible emissions observations performed in accordance with U.S. EPA Reference Method 9 in 40 CFR Part 60, Appendix A.

b. Emissions Limitation

Particulate emissions from the engine's exhaust shall not exceed 0.062 lb/MMBtu actual heat input.

Applicable Compliance Method

Compliance shall be determined based on the manufacturer's technical data sheet specifying not-to-exceed PM emissions rates that are equal to or less than 0.13 g/kWh (0.097 g/hp-hr) at 100% load and 0.226 g/kWh (0.169 g/hp-hr) at 75% load.

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in OAC rule 3745-17-03(B)(10).

c. Emissions Limitation

SO₂ emissions shall not exceed 0.5 lb/MMBtu actual heat input.

Applicable Compliance Method

Compliance shall be determined using documents required in d)(6) above. Emissions of SO₂ shall be calculated in accordance with OAC rule 3745-18-04(F)(2) using the maximum fuel sulfur content of 15 ppm.

d. Emissions Limitation

The PE from this emissions unit shall be vented to diesel particulate filters that are designed to achieve a maximum outlet emission rate of 0.022 g/bhp-hr for filterable particulates at all times when the emissions unit is in operation.

Applicable Compliance Method

Compliance shall be determined based on documentation of the diesel particulate filter manufacturer's design specifications and maintaining the filters according to the manufacturer's recommendations, instructions, and/or operating manual.

e. Emissions Limitations

The emissions unit shall be certified to meet the following emissions standards:

0.20 grams PM/kW-hr;

6.4 grams NO_x + NMHC/kW-hr;

3.5 grams CO/kW-hr;

20 percent opacity during the acceleration mode;

15 percent opacity during the lugging mode; and

50 percent opacity during the peaks in either the acceleration or lugging modes.

Applicable Compliance Method

Compliance with the emissions limitations shall be based on the manufacturer's certification and by maintaining the engine according to the manufacturer's instructions.

g) Miscellaneous Requirements

(1) None.

2. Emissions Unit Group – Group 2 Diesel-Fired Emergency Generators: P385 and P386

EU ID	Operations, Property and/or Equipment Description
P385	Group 2 Diesel-Fired Emergency Generator
P386	Group 2 Diesel-Fired Emergency Generator

- 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 3745-17-07(A)	Visible particulate emissions from the stack serving this emissions unit shall not exceed 20 percent opacity as a six-minute average, except as provided by rule.
b.	OAC rule 3745-17-11(B)(5)(b)	Particulate emissions from the engine's exhaust shall not exceed 0.062 lb/MMBtu actual heat input.
c.	OAC rule 3745-18-06(G)	SO ₂ emissions shall not exceed 0.5 lb/MMBtu actual heat input.
d.	OAC rule 3745-31-05(A)(3)(a)(ii)	The BAT requirements under OAC rule 3745-31-05(A)(3) do not apply to the NO _x , CO, VOC, PM ₁₀ , PM _{2.5} and SO ₂ emissions from this air contaminant source since the potentials to emit are less than 10 tons per year.
e.	OAC rule 3745-31-05(D) [Federally enforceable limitations to avoid NSR]	See 2. through 17. of Section B - Facility-Wide Terms and Conditions.
f.	OAC rule 3745-110-03	See b)(2)e. below.
g.	40 CFR Part 60, Subpart IIII 40 CFR 60.4202(b)(2) 40 CFR 60.4205(b) 40 CFR 60.4207(b)	The emissions unit shall be certified to meet the following emissions standards: 0.20 grams PM/kW-hr; 6.4 grams NO _x + NMHC/kW-hr;



	40 CFR Part 1039, Appendix I, Tier 2 40 CFR 1039.105	3.5 grams CO/kW-hr; 20 percent opacity during the acceleration mode; 15 percent opacity during the lugging mode; and 50 percent opacity during the peaks in either the acceleration or lugging modes. See b)(2)a. through b)(2)d. below.
h.	40 CFR Part 60, Subpart A	Table 8 to 40 CFR Part 60, Subpart IIII- "Applicability of General Provisions to Subpart IIII" identifies which parts of the General Provisions in 40 CFR Part 60.1-19 apply.

(2) Additional Terms and Conditions

- a. The emergency stationary compression ignition (CI) internal combustion engine (ICE) is subject to and shall be operated in compliance with the requirements of 40 CFR Part 60, Subpart IIII, the standards of performance for stationary CI ICE.
- b. The emergency stationary CI ICE has been or shall be purchased certified by the manufacturer to emission standards as stringent as those identified in 40 CFR 60.4202(a)(2), including the Tier 2 standards in 40 CFR 1039, Appendix I for engines greater than or equal to 750 horsepower (560 kilowatt) and the smoke standards as specified in 40 CFR 1039.105.
- c. The emergency stationary ICE must comply with the applicable requirements specified in 40 CFR 60.4211(f) in order to be considered an emergency stationary ICE under Part 60, Subpart IIII.
- d. The emergency stationary CI ICE shall burn only ULSD, hydrogenated renewable diesel, or a blend of ULSD and hydrogenated renewable diesel that meets the following conditions:
 - i. The fuel shall meet the ICE manufacturer's fuel specifications for the specific make and model of engine. In accordance with the information provided in the permit application, hydrogenated renewable diesel fuel shall comply with the requirements of EN15940 and ASTM D975.
 - ii. The fuel shall not contravene the ICE's Tier 2 certification.
 - iii. The fuel shall meet the following per-gallon ULSD standards:
 - (a) A maximum sulfur content of 15 ppm (0.0015% sulfur by weight); and
 - (b) A cetane index or aromatic contents, as follows:
 - (i) A minimum cetane index of 40; or
 - (ii) A maximum aromatic content of 35 volume percent.

- e. For the purpose of meeting the exemption in OAC rule 3745-110-03(K)(2), the emergency stationary CI ICE shall not be operated in any consecutive 12-month period to equal or exceed 500 hours of operation. If the engine operation equals or exceeds 500 hours during any consecutive 12-month period, the NO_x emissions shall not exceed 3.0 g/hp-hr; and the permittee shall demonstrate compliance in accordance with OAC rule 3745-110-05.

c) **Operational Restrictions**

- (1) The emergency stationary CI ICE shall be installed, operated, and maintained according to the manufacturer's emission-related written instructions and the permittee shall only change those emission-related settings that are allowed by the manufacturer. The CI ICE must also be installed and operated to meet the applicable requirements from 40 CFR Part 60, Subpart IIII; 40 CFR Part 1039, Control of Emissions from New and In-use Nonroad CI Engines; and 40 CFR Part 1068, the General Compliance Provisions for Engine Programs. The permittee shall operate and maintain the stationary CI ICE to achieve the emissions standards established in 40 CFR 60.4205 over the entire life of the engine(s).

d) **Monitoring and/or Recordkeeping Requirements**

- (1) The permittee shall maintain the manufacturer's certification, to the applicable Tier 2 emission standards in 40 CFR 1039, Appendix I, on site or at a central location for all facility ICE and it shall be made available for review upon request. If the manufacturer's certification is not kept on site, the permittee shall maintain a log for the location of each ICE and it shall identify the agency-assigned emissions unit number, the manufacturer's identification number, and the identification number of the certificate. The manufacturer's operations manual and any written instructions or procedures developed by the permittee and approved by the manufacturer shall be maintained at the same location as the ICE.
- (2) The permittee shall maintain the manufacturer's fuel specifications for the specific make and model of engine. For each shipment of hydrogenated renewable diesel or blend of ULSD and hydrogenated renewable diesel received for burning in this emissions unit, the permittee shall maintain documentation provided by the fuel supplier that demonstrates the fuel meets the ICE manufacturer's fuel specifications.
- (3) For each shipment of fuel received for burning in this emissions unit, the permittee shall demonstrate compliance with the ULSD standards by one of the following methods:
 - a. Maintain documents provided by the fuel supplier stating that the fuel is certified to meet the ULSD standards. These documents shall include the receipt or bill of lading that includes confirmation that the fuel meets the ULSD standard.
 - b. The permittee shall perform or require the fuel supplier to perform an analysis of the fuel to determine the sulfur content and cetane index or aromatic content of the fuel delivered.

A shipment may be comprised of multiple tank truck loads from the same supplier's batch, or may be represented by single or multiple pipeline deliveries from the same supplier's batch, and the quality of the fuel for those loads or pipeline deliveries may be represented by a single batch analysis.

- (4) For each day during which the permittee burns a fuel other than ULSD, hydrogenated renewable diesel, or a blend of ULSD and hydrogenated renewable diesel, the permittee shall maintain a record of the type, percent sulfur content, and quantity of fuel burned in this emissions unit.

- (5) The emergency stationary CI ICE shall be installed with a non-resettable hour meter prior to startup of the engine.
- (6) The permittee shall maintain monthly records of the following information:
 - a. the total number of hours the engine was in operation;
 - b. the number of hours spent in emergency operation;
 - c. what classified the operation as an emergency;
 - d. the number of hours spent in non-emergency operation;
 - e. the number of hours in maintenance checks and readiness testing; and
 - f. the rolling, 12-month summation of the number of hours the engine was in operation.
- e) Reporting Requirements
 - (1) The permittee shall submit to Ohio EPA, DO/LAA a revised EAC form that identifies the serial number for the engine within 30 days after placement on its concrete pad.
- 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. Emissions Limitation

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

Applicable Compliance Method

If required, compliance with the stack visible particulate emissions limitation shall be determined through visible emissions observations performed in accordance with U.S. EPA Reference Method 9 in 40 CFR Part 60, Appendix A.
 - b. Emissions Limitation

Particulate emissions from the engine's exhaust shall not exceed 0.062 lb/MMBtu actual heat input.

Applicable Compliance Method

Compliance shall be determined based on the manufacturer's technical data sheet specifying not-to-exceed PM emissions rates that are equal to or less than 0.076 g/kWh (0.057 g/hp-hr) at 100% load and 0.123 g/kWh (0.091 g/hp-hr) at 75% load.

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in OAC rule 3745-17-03(B)(10).
 - c. Emissions Limitation

SO₂ emissions shall not exceed 0.5 lb/MMBtu actual heat input.

Applicable Compliance Method

Compliance shall be determined using documents required in d)(6) above. Emissions of SO₂ shall be calculated in accordance with OAC rule 3745-18-04(F)(2) using the maximum fuel sulfur content of 15 ppm.

d. Emissions Limitations

The emissions unit shall be certified to meet the following emissions standards:

0.20 grams PM/kW-hr;

6.4 grams NO_x + NMHC/kW-hr;

3.5 grams CO/kW-hr;

20 percent opacity during the acceleration mode;

15 percent opacity during the lugging mode; and

50 percent opacity during the peaks in either the acceleration or lugging modes.

Applicable Compliance Method

Compliance with the emissions limitations shall be based on the manufacturer's certification and by maintaining the engine according to the manufacturer's instructions.

g) Miscellaneous Requirements

(1) None.

3. P387, CAB_GENX

Operations, Property and/or Equipment Description:

Group 3 Diesel-Fired Emergency Generator

- 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 3745-17-07(A)	Visible particulate emissions from the stack serving this emissions unit shall not exceed 20 percent opacity as a six-minute average, except as provided by rule.
b.	OAC rule 3745-17-11(B)(5)(b)	Particulate emissions from the engine's exhaust shall not exceed 0.062 lb/MMBtu actual heat input.
c.	OAC rule 3745-31-05(A)(3)(a)(ii)	The BAT requirements under OAC rule 3745-31-05(A)(3) do not apply to the NO _x , CO, VOC, PM ₁₀ , PM _{2.5} and SO ₂ emissions from this air contaminant source since the potentials to emit are less than 10 tons per year.
d.	OAC rule 3745-31-05(D) [Federally enforceable limitations to avoid NSR]	See 2. through 17. of Section B - Facility-Wide Terms and Conditions.
e.	OAC rule 3745-110-03	See b)(2)e. below.
f.	40 CFR Part 60, Subpart IIII 40 CFR 60.4202(a)(2) 40 CFR 60.4205(b) 40 CFR 60.4207(b) 40 CFR Part 1039, Appendix I, Tier 3 40 CFR 1039.105	The emissions unit shall be certified to meet the following emissions standards: 0.20 grams PM/kW-hr; 4.0 grams NO _x + NMHC/kW-hr; 3.5 grams CO/kW-hr; 20 percent opacity during the acceleration mode; 15 percent opacity during the lugging mode; and

		50 percent opacity during the peaks in either the acceleration or lugging modes. See b)(2)a. through b)(2)d. below.
g.	40 CFR Part 60, Subpart A	Table 8 to 40 CFR Part 60, Subpart IIII- "Applicability of General Provisions to Subpart IIII" identifies which parts of the General Provisions in 40 CFR Part 60.1-19 apply.

(2) Additional Terms and Conditions

- a. The emergency stationary compression ignition (CI) internal combustion engine (ICE) is subject to and shall be operated in compliance with the requirements of 40 CFR Part 60, Subpart IIII, the standards of performance for stationary CI ICE.
- b. The emergency stationary CI ICE has been or shall be purchased certified by the manufacturer to emission standards as stringent as those identified in 40 CFR 60.4202(a)(2), including the Tier 3 standards in 40 CFR 1039, Appendix I for engines greater than or equal to 130 kilowatt and less than or equal to 560 kilowatt and the smoke standards as specified in 40 CFR 1039.105.
- c. The emergency stationary ICE must comply with the applicable requirements specified in 40 CFR 60.4211(f) in order to be considered an emergency stationary ICE under Part 60, Subpart IIII.
- d. The emergency stationary CI ICE shall burn only ULSD, hydrogenated renewable diesel, or a blend of ULSD and hydrogenated renewable diesel that meets the following conditions:
 - i. The fuel shall meet the ICE manufacturer's fuel specifications for the specific make and model of engine. In accordance with the information provided in the permit application, hydrogenated renewable diesel fuel shall comply with the requirements of EN15940 and ASTM D975.
 - ii. The fuel shall not contravene the ICE's Tier 3 certification.
 - iii. The fuel shall meet the following per-gallon ULSD standards:
 - (a) A maximum sulfur content of 15 ppm (0.0015% sulfur by weight); and
 - (b) A cetane index or aromatic contents, as follows:
 - (i) A minimum cetane index of 40; or
 - (ii) A maximum aromatic content of 35 volume percent.
- e. For the purpose of meeting the exemption in OAC rule 3745-110-03(K)(2), the emergency stationary CI ICE shall not be operated in any consecutive 12-month period to equal or exceed 500 hours of operation. If the engine operation equals or exceeds 500 hours during any consecutive 12-month period, the NO_x emissions shall not exceed 3.0 g/hp-hr; and the permittee shall demonstrate compliance in accordance with OAC rule 3745-110-05.

c) Operational Restrictions

- (1) The emergency stationary CI ICE shall be installed, operated, and maintained according to the manufacturer's emission-related written instructions and the permittee shall only change those emission-related settings that are allowed by the manufacturer. The CI ICE must also be installed and operated to meet the applicable requirements from 40 CFR Part 60, Subpart III; 40 CFR Part 1039, Control of Emissions from New and In-use Nonroad CI Engines; and 40 CFR Part 1068, the General Compliance Provisions for Engine Programs. The permittee shall operate and maintain the stationary CI ICE to achieve the emissions standards established in 40 CFR 60.4205 over the entire life of the engine(s).
- d) **Monitoring and/or Recordkeeping Requirements**
- (1) The permittee shall maintain the manufacturer's certification, to the applicable Tier 3 emission standards in 40 CFR 1039, Appendix I, on site or at a central location for all facility ICE and it shall be made available for review upon request. If the manufacturer's certification is not kept on site, the permittee shall maintain a log for the location of each ICE and it shall identify the agency-assigned emissions unit number, the manufacturer's identification number, and the identification number of the certificate. The manufacturer's operations manual and any written instructions or procedures developed by the permittee and approved by the manufacturer shall be maintained at the same location as the ICE.
 - (2) The permittee shall maintain the manufacturer's fuel specifications for the specific make and model of engine. For each shipment of hydrogenated renewable diesel or blend of ULSD and hydrogenated renewable diesel received for burning in this emissions unit, the permittee shall maintain documentation provided by the fuel supplier that demonstrates the fuel meets the ICE manufacturer's fuel specifications.
 - (3) For each shipment of fuel received for burning in this emissions unit, the permittee shall demonstrate compliance with the ULSD standards by one of the following methods:
 - a. Maintain documents provided by the fuel supplier stating that the fuel is certified to meet the ULSD standards. These documents shall include the receipt or bill of lading that includes confirmation that the fuel meets the ULSD standard.
 - b. The permittee shall perform or require the fuel supplier to perform an analysis of the fuel to determine the sulfur content and cetane index or aromatic content of the fuel delivered.

A shipment may be comprised of multiple tank truck loads from the same supplier's batch, or may be represented by single or multiple pipeline deliveries from the same supplier's batch, and the quality of the fuel for those loads or pipeline deliveries may be represented by a single batch analysis.
 - (4) For each day during which the permittee burns a fuel other than ULSD, hydrogenated renewable diesel, or a blend of ULSD and hydrogenated renewable diesel, the permittee shall maintain a record of the type, percent sulfur content, and quantity of fuel burned in this emissions unit.
 - (5) The emergency stationary CI ICE shall be installed with a non-resettable hour meter prior to startup of the engine.
 - (6) The permittee shall maintain monthly records of the following information:
 - a. the total number of hours the engine was in operation;
 - b. the number of hours spent in emergency operation;
 - c. what classified the operation as an emergency;

- d. the number of hours spent in non-emergency operation;
 - e. the number of hours in maintenance checks and readiness testing; and
 - f. the rolling, 12-month summation of the number of hours the engine was in operation.
- e) Reporting Requirements
 - (1) The permittee shall submit to Ohio EPA, DO/LAA a revised EAC form that identifies the serial number for the engine within 30 days after placement on its concrete pad.
- 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. Emissions Limitation

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

Applicable Compliance Method

If required, compliance with the stack visible particulate emissions limitation shall be determined through visible emissions observations performed in accordance with U.S. EPA Reference Method 9 in 40 CFR Part 60, Appendix A.
 - b. Emissions Limitation

Particulate emissions from the engine's exhaust shall not exceed 0.062 lb/MMBtu actual heat input.

Applicable Compliance Method

Compliance shall be determined based on the manufacturer's technical data sheet specifying a PM emissions rate that is equal to or less than 0.04 g/kWh (0.03 g/hp-hr).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in OAC rule 3745-17-03(B)(10).
 - c. Emissions Limitations

The emissions unit shall be certified to meet the following emissions standards:

 - 0.20 grams PM/kW-hr;
 - 4.0 grams NO_x + NMHC/kW-hr;
 - 3.5 grams CO/kW-hr;
 - 20 percent opacity during the acceleration mode;
 - 15 percent opacity during the lugging mode; and
 - 50 percent opacity during the peaks in either the acceleration or lugging modes.

Applicable Compliance Method

Compliance with the emissions limitations shall be based on the manufacturer's certification and by maintaining the engine according to the manufacturer's instructions.

g) Miscellaneous Requirements

(1) None.

4. P388, ACB_GENX

Operations, Property and/or Equipment Description:

Group 4 Diesel-Fired Emergency Generator

- 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 3745-17-07(A)	Visible particulate emissions from the stack serving this emissions unit shall not exceed 20 percent opacity as a six-minute average, except as provided by rule.
b.	OAC rule 3745-17-11(B)(5)(a)	Particulate emissions from the engine's exhaust shall not exceed 0.310 lb/MMBtu actual heat input.
c.	OAC rule 3745-31-05(A)(3)(a)(ii)	The BAT requirements under OAC rule 3745-31-05(A)(3) do not apply to the NO _x , CO, VOC, PM ₁₀ , PM _{2.5} and SO ₂ emissions from this air contaminant source since the potentials to emit are less than 10 tons per year.
d.	OAC rule 3745-31-05(D) [Federally enforceable limitations to avoid NSR]	See 2. through 17. of Section B - Facility-Wide Terms and Conditions.
e.	OAC rule 3745-110-03(K)(3)	See b)(2)e. below.
f.	40 CFR Part 60, Subpart IIII 40 CFR 60.4202(a)(2) 40 CFR 60.4205(b) 40 CFR 60.4207(b) 40 CFR Part 1039, Appendix I, Tier 3 40 CFR 1039.105	The emissions unit shall be certified to meet the following emissions standards: 0.20 grams PM/kW-hr; 4.0 grams NO _x + NMHC/kW-hr; 3.5 grams CO/kW-hr; 20 percent opacity during the acceleration mode; 15 percent opacity during the lugging mode; and



		50 percent opacity during the peaks in either the acceleration or lugging modes. See b)(2)a. through b)(2)d. below.
g.	40 CFR Part 60, Subpart A	Table 8 to 40 CFR Part 60, Subpart IIII- "Applicability of General Provisions to Subpart IIII" identifies which parts of the General Provisions in 40 CFR Part 60.1-19 apply.

(2) Additional Terms and Conditions

- a. The emergency stationary compression ignition (CI) internal combustion engine (ICE) is subject to and shall be operated in compliance with the requirements of 40 CFR Part 60, Subpart IIII, the standards of performance for stationary CI ICE.
- b. The emergency stationary CI ICE has been or shall be purchased certified by the manufacturer to emission standards as stringent as those identified in 40 CFR 60.4202(a)(2), including the Tier 3 standards in 40 CFR 1039, Appendix I for engines greater than or equal to 130 kilowatt and less than or equal to 560 kilowatt and the smoke standards as specified in 40 CFR 1039.105.
- c. The emergency stationary ICE must comply with the applicable requirements specified in 40 CFR 60.4211(f) in order to be considered an emergency stationary ICE under Part 60, Subpart IIII.
- d. The emergency stationary CI ICE shall burn only ULSD, hydrogenated renewable diesel, or a blend of ULSD and hydrogenated renewable diesel that meets the following conditions:
 - i. The fuel shall meet the ICE manufacturer's fuel specifications for the specific make and model of engine. In accordance with the information provided in the permit application, hydrogenated renewable diesel fuel shall comply with the requirements of EN15940 and ASTM D975.
 - ii. The fuel shall not contravene the ICE's Tier 3 certification.
 - iii. The fuel shall meet the following per-gallon ULSD standards:
 - (a) A maximum sulfur content of 15 ppm (0.0015% sulfur by weight); and
 - (b) A cetane index or aromatic contents, as follows:
 - (i) A minimum cetane index of 40; or
 - (ii) A maximum aromatic content of 35 volume percent.
- e. OAC rule 3745-110-03(F) does not apply to this stationary ICE because the energy output capacity is less than 500 hp.

c) Operational Restrictions

- (1) The emergency stationary CI ICE shall be installed, operated, and maintained according to the manufacturer's emission-related written instructions and the permittee shall only change those emission-related settings that are allowed by the manufacturer. The CI ICE must also be installed and operated to meet the applicable requirements from 40 CFR Part 60, Subpart

III; 40 CFR Part 1039, Control of Emissions from New and In-use Nonroad CI Engines; and 40 CFR Part 1068, the General Compliance Provisions for Engine Programs. The permittee shall operate and maintain the stationary CI ICE to achieve the emissions standards established in 40 CFR 60.4205 over the entire life of the engine(s).

d) **Monitoring and/or Recordkeeping Requirements**

- (1) The permittee shall maintain the manufacturer's certification, to the applicable Tier 3 emission standards in 40 CFR 1039, Appendix I, on site or at a central location for all facility ICE and it shall be made available for review upon request. If the manufacturer's certification is not kept on site, the permittee shall maintain a log for the location of each ICE and it shall identify the agency-assigned emissions unit number, the manufacturer's identification number, and the identification number of the certificate. The manufacturer's operations manual and any written instructions or procedures developed by the permittee and approved by the manufacturer shall be maintained at the same location as the ICE.
- (2) The permittee shall maintain the manufacturer's fuel specifications for the specific make and model of engine. For each shipment of hydrogenated renewable diesel or blend of ULSD and hydrogenated renewable diesel received for burning in this emissions unit, the permittee shall maintain documentation provided by the fuel supplier that demonstrates the fuel meets the ICE manufacturer's fuel specifications.
- (3) For each shipment of fuel received for burning in this emissions unit, the permittee shall demonstrate compliance with the ULSD standards by one of the following methods:
 - a. Maintain documents provided by the fuel supplier stating that the fuel is certified to meet the ULSD standards. These documents shall include the receipt or bill of lading that includes confirmation that the fuel meets the ULSD standard.
 - b. The permittee shall perform or require the fuel supplier to perform an analysis of the fuel to determine the sulfur content and cetane index or aromatic content of the fuel delivered.

A shipment may be comprised of multiple tank truck loads from the same supplier's batch, or may be represented by single or multiple pipeline deliveries from the same supplier's batch, and the quality of the fuel for those loads or pipeline deliveries may be represented by a single batch analysis.

- (4) For each day during which the permittee burns a fuel other than ULSD, hydrogenated renewable diesel, or a blend of ULSD and hydrogenated renewable diesel, the permittee shall maintain a record of the type, percent sulfur content, and quantity of fuel burned in this emissions unit.
- (5) The emergency stationary CI ICE shall be installed with a non-resettable hour meter prior to startup of the engine.
- (6) The permittee shall maintain monthly records of the following information:
 - a. the total number of hours the engine was in operation;
 - b. the number of hours spent in emergency operation;
 - c. what classified the operation as an emergency;
 - d. the number of hours spent in non-emergency operation;
 - e. the number of hours in maintenance checks and readiness testing; and
 - f. the rolling, 12-month summation of the number of hours the engine was in operation.

e) Reporting Requirements

- (1) The permittee shall submit to Ohio EPA, DO/LAA a revised EAC form that identifies the serial number for the engine within 30 days after placement on its concrete pad.

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. Emissions Limitation

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

Applicable Compliance Method

If required, compliance with the stack visible particulate emissions limitation shall be determined through visible emissions observations performed in accordance with U.S. EPA Reference Method 9 in 40 CFR Part 60, Appendix A.

b. Emissions Limitation

Particulate emissions from the engine's exhaust shall not exceed 0.310 lb/MMBtu actual heat input.

Applicable Compliance Method

Compliance shall be determined based on the manufacturer's technical data sheet specifying a PM emissions rate that is equal to or less than 0.04 g/kWh (0.03 g/hp-hr).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in OAC rule 3745-17-03(B)(10).

c. Emissions Limitations

The emissions unit shall be certified to meet the following emissions standards:

0.20 grams PM/kW-hr;

4.0 grams NO_x + NMHC/kW-hr;

3.5 grams CO/kW-hr;

20 percent opacity during the acceleration mode;

15 percent opacity during the lugging mode; and

50 percent opacity during the peaks in either the acceleration or lugging modes.

Applicable Compliance Method

Compliance with the emissions limitations shall be based on the manufacturer's certification and by maintaining the engine according to the manufacturer's instructions.

g) Miscellaneous Requirements

- (1) None.

