



08/31/2026

Laura Markman
CMH071 Campus
13820 Sunrise Valley Dr
Herndon, VA 20171

Facility ID: 0180000412
Permit Number: P0138991
County: Union

RE: DRAFT AIR POLLUTION TITLE V PERMIT

Permit Type: Initial

Dear Permit Holder:

A draft of the OAC Chapter 3745-77 Title V permit for the referenced facility has been issued. The purpose of this draft is to solicit public comments. A public notice will appear in the Ohio Environmental Protection Agency (EPA) Weekly Review and Public Notices website, [Weekly Review and Public Notices](#). A copy of the public notice, the Statement of Basis, and the draft permit are enclosed. This permit can be accessed electronically on the Ohio EPA document search website here: [eDocument Search](#). Comments will be accepted as a marked-up copy of the draft permit or in narrative format. Any comments must be sent to the following:

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

and

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

Comments and/or a request for a public hearing will be accepted within 30 days of the date the notice is published on the Ohio EPA Weekly Review and Public Notices website, [Weekly Review and Public Notices | Ohio Environmental Protection Agency](#). You will be notified if a public hearing is scheduled. A decision on processing the Title V permit will be made after consideration of comments received and oral testimony if a public hearing is conducted. You will then be provided with a Preliminary Proposed Title V permit and another opportunity to comment prior to the 45-day Proposed Title V permit submittal to U.S. EPA Region 5. The permit will be issued final after U.S. EPA review is completed and no objections to the final issuance have been received. If you have any questions, please contact Ohio EPA DAPC, Central Office at (614) 644-2270.

Sincerely,

Robert Hodanbosi
Chief, Division of Air Pollution Control

cc: U.S. EPA Region 5 - Via E-Mail Notification
Ohio EPA-CDO

Public Notice

The following matters are the subject of this public notice by the Ohio Environmental Protection Agency. The complete public notice, including any additional instructions for submitting comments, requesting information, a public hearing, or filing an appeal may be obtained at: [Weekly Review and Public Notices | Ohio Environmental Protection Agency](#) or Hearing Clerk, Ohio EPA, 50 W. Town St., Columbus, Ohio 43215. Phone: 614-644-3037 Email: HClerk@epa.ohio.gov

Draft Title V Permit Initial

CMH071 Campus
Industrial Parkway
Jerome Twp., OH 43064

ID#: P0138991
Date of Action: 08/31/2026
Permit Desc: Permit To Operate for 92 Diesel-Fired Emergency Generators.

The permit and complete instructions for requesting information or submitting comments may be obtained at: <https://ohioepa.commentinput.com> - Search by entering the permit # P0138991 in the "Search Projects" search box.

Statement of Basis* For Air Pollution Title V Permit

*As defined in OAC rule 3745-77-01(MM): “Statement of basis” or “SOB” means a statement that sets forth the legal and factual basis for the draft [Title V] permit conditions (including references to the applicable statutory or regulatory provisions).”

Completing this form is intended to satisfy those requirements.

Facility ID:	0180000412
Facility Name:	CMH071 Campus
Facility Description:	Data center
Facility Address:	Industrial Parkway Jerome Twp., OH 43064
Permit #:	P0138991

This facility is subject to Title V because it is major for:

☐ Lead ☐ Sulfur Dioxide ☐ Carbon Monoxide ☐ Volatile Organic Compounds ☒ Nitrogen Oxides

☐ Particulate Matter $\leq$ 10 microns ☐ Single Hazardous Air Pollutant ☐ Combined Hazardous Air Pollutants ☐ GHG

And/or subject to:

☐ Maximum Available Control Technology Standard(s) ☐ GACT standard(s) that requires a Title V permit ☐ Title IV ☐ Opt-In source

A. Permit Background

1. Has each insignificant emissions unit been reviewed to confirm it meets the definition in OAC rule 3745-77-01(V)?

Yes X No Comments:

2. Discuss any **common control determinations** (this includes revisions to previous determinations), include justification, factors, and facts which led to the final decision.

Discussion: **N/A**

3. Please identify the affected unit(s) and associated PTI, if applicable, along with a brief description of any changes to the permit document resulting from a **renewal** per OAC rule 3745-77-08(E). This includes identifying conditions from previous permits that are not included in the new permit.

PTI No.: **N/A**

Affected EUs: **N/A**

Discussion of changes from the previous Title V: **N/A**

4. Please identify the affected unit(s) and associated PTI, if applicable, along with a brief description of any changes to the permit document resulting from a **minor modification** per OAC rules 3745-77-08(C)(1) or (2)

PTI No.: **N/A**

Affected EUs: **N/A**

Minor Modification Description: **N/A**

5. Please identify the affected unit(s) and associated PTI, if applicable, along with a brief description of any changes to the permit document that qualify as a **significant permit modification** per OAC rule 3745-77-08(C)(3)

PTI No.: **N/A**

Affected EUs: **N/A**

Significant Modification Description: **N/A**

6. Please identify the affected unit(s) and associated PTI, if applicable, along with a brief description of any changes to the permit document that qualify as a **reopening** per OAC rule 3745-77-08(D)

PTI No.: **N/A**

Affected EUs: **N/A**

Reopening for Cause for Description: **N/A**

7. Please identify the affected emissions unit(s) and pollutant(s) for which a **Compliance Assurance Monitoring (CAM)** Plan is required per 40 CFR 64. Provide more emissions unit specific detail in Section C.

Affected EUs: **N/A**

8. Please identify any federal **Consent Decree (CD)** that resulted in the addition of Title V T&Cs – include the CD Number, the CD Public Notice date (if known) and Ohio EPA Permit Number (if applicable, along with final permit issuance date) that incorporates the CD requirements.

CD No. **N/A**

Public
Notice
Date: **N/A**

PTI No. **N/A**

PTI Issuance Date: **N/A**

9. Please identify any **complex or unusual rule applicability determination** that is not readily apparent in the permit T&Cs and warrants additional explanation in the Statement of Basis. If the discussion is included in a PTI Permit Strategy Write Up cite the Permit Number and copy/paste or summarize the determination here.

PTI No. **N/A**

Discussion: **N/A**

10. Please identify any **streamlining determinations** within the permit. Include an identification of the subsumed limit(s) and an explanation of how the resulting limit is equivalent to or more stringent than those subsumed. If the discussion exists in a PTI Permit Strategy Write Up, cite the Permit Number and summarize the determination here. This would also be noted for specific emissions units identified in C.

PTI No. **N/A**

Discussion: **N/A**

11. Please identify any current **enforcement actions** to address violations at the facility resulting in a compliance plan and schedule.

Director's Final
Findings and Orders;
AGO Consent Decree;
or U.S. EPA Consent
Decree Date:

List the Order/Injunctive Relief number from the associated enforcement document and provide a description:

B. Facility-Wide Terms and Conditions

Term and Condition (paragraph)	Basis		Comments
	SIP (3745-)	Other	
B.2	77-07(C)(1)		Definition of “nonroad engine” from 40 CFR 1068.30
B.3	77-07(C)(1)		Requirements for tracking and counting emissions from transitory generators that are temporarily brought on site
B.4	31-05(D) and 77-07(A)(1)		Federally enforceable limitation for NO _x emissions to avoid classification as a major stationary source under NSR-PSD
B.5	31-05(D) and 77-07(A)(1)		Federally enforceable limitation for CO emissions to avoid classification as a major stationary source under NSR-PSD
B.6	31-05(D) and 77-07(A)(1)		Federally enforceable fuel usage restriction
B.7	77-07(C)(1)		Federally enforceable recordkeeping requirements
B.8	15-03(B)(1)(a), 15-03(C), and 77-07(A)(3)(c)		Federally enforceable reporting requirements
B.9	77-07(C)(1)		Federally enforceable compliance methods for the NO _x and CO emissions limitations
B.10	15-03(A) and 77-07(A)(3)(c)		Requirements on how to submit notifications and reports
B.11	77-07(A)(13) and 77-07(C)(1)	40 CFR Part 63, Subpart ZZZZ	Applicability of the NESHAP for Stationary Reciprocating Internal Combustion Engines

B.12	77-07(A)(13) and 77-07(C)(1)	40 CFR Part 60, Subpart IIII	Applicability of the NSPS for Stationary Compression Ignition Internal Combustion Engines
B.13	77-07(A)(13)		List of insignificant emissions units with applicable requirements.

C. Emissions Unit Terms and Conditions

Key: EU = emissions unit ID ND = negative declaration (i.e., term that indicates that a particular rule(s) is (are) not applicable to a specific emissions unit) OR = operational restriction M = monitoring requirements ENF = did noncompliance issues drive the monitoring requirements?	R = record keeping requirements Rp = reporting requirements ET = emission testing requirements (not including compliance method terms) Misc = miscellaneous requirements
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Emissions Unit Table											
EU(s)	Limitation	Basis	ND	OR	M	R	Rp	ET	ENF	Misc	Comments
Section C.1: Emissions Unit Group 1- P001 through P026-2,500 kWe (3,633 bhp) Diesel-Fired Emergency Generator											
P001 -P026	Visible particulate emissions from the stack serving this emissions unit shall not exceed 20 percent opacity as a six-minute average.	OAC rule 3745-17-07(A)	N	Y	Y	Y	Y	N	N	N	Compliance is based on the combustion of only ULSD and/or hydrogenated renewable diesel. If required, visible emissions observations shall be performed to determine compliance.
P001 -P026	0.062 PE lb/MMBtu actual heat input.	OAC rule 3745-17-11(B)(5)(b)	N	Y	Y	Y	Y	N	N	N	Compliance is based on the manufacturer's technical data sheet. If required, emission testing shall be performed to demonstrate compliance.
P001 -P026	0.5 SO ₂ lb/MMBtu actual heat input.	OAC rule 3745-18-06(G)	N	Y	Y	Y	Y	N	N	N	Compliance is based on the combustion of only ULSD and/or hydrogenated renewable diesel,

Emissions Unit Table											
EU(s)	Limitation	Basis	ND	OR	M	R	Rp	ET	ENF	Misc	Comments
											determined through fuel supplier documentation or fuel analysis.
P001 -P026	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.	OAC rule 3745-31-05(A)(3); PTI P0139083; 40 CFR Part 60, Subpart IIII	N	Y	Y	Y	Y	N	N	N	ET: Compliance is based on the manufacturer's certification and maintaining the engine according to the manufacturer's instructions.

Emissions Unit Table

EU(s)	Limitation	Basis	ND	OR	M	R	Rp	ET	ENF	Misc	Comments
P001 -P026	99.0 tons of CO per rolling, 12-month period from emissions units P001 through P092; 240.0 tons of NOx per rolling, 12-month period from emissions units P001 through P092.	OAC rule 3745-31-05(D) ; PTI P0139083	N	Y	Y	Y	Y	N	N	N	Compliance with the NOx, and CO emissions limitations is demonstrated through the recordkeeping established in the permit.
P001 -P026	99.0 tons of CO per rolling, 12-month period from emissions units P001 through P092;	OAC rule 3745-31-05(E) ; PTI P0139083	N	Y	Y	Y	Y	N	N	N	Compliance with the CO emissions limitations is demonstrated through the recordkeeping established in the permit.

Section C.2: Emissions Unit Group 3- P042, P088-P090 -1,500 kWe (2,206 bhp) Diesel-Fired Emergency Generator

Emissions Unit Table											
EU(s)	Limitation	Basis	ND	OR	M	R	Rp	ET	ENF	Misc	Comments
P042, P088-P090	Visible particulate emissions from the stack serving this emissions unit shall not exceed 20 percent opacity as a six-minute average.	OAC rule 3745-17-07(A)	N	Y	Y	Y	Y	N	N	N	Compliance is based on the combustion of only ULSD and/or hydrogenated renewable diesel. If required, visible emissions observations shall be performed to determine compliance.
P042, P088-P090	0.062 PE lb/MMBtu actual heat input.	OAC rule 3745-17-11(B)(5)(b)	N	Y	Y	Y	Y	N	N	N	Compliance is based on the manufacturer's technical data sheet. If required, emission testing shall be performed to demonstrate compliance.
P042, P088-P090	0.5 SO ₂ lb/MMBtu actual heat input.	OAC rule 3745-18-06(G)	N	Y	Y	Y	Y	N	N	N	Compliance is based on the combustion of only ULSD and/or hydrogenated renewable diesel, determined through fuel supplier documentation or fuel analysis.

Emissions Unit Table											
EU(s)	Limitation	Basis	ND	OR	M	R	Rp	ET	ENF	Misc	Comments
P042, P088-P090	99.0 tons of PE per rolling, 12-month period from emissions units P001 through P092; 240.0 tons of NO _x per rolling, 12-month period from emissions units P001 through P092.	OAC rule 3745-31-05(D) ; PTI P0139083	N	Y	Y	Y	Y	N	N	N	Compliance with the NO _x , and CO emissions limitations is demonstrated through the recordkeeping established in the permit.
P042, P088-P090	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;	40 CFR Part 60, Subpart IIII	N	Y	Y	Y	Y	N	N	N	ET: Compliance is based on the manufacturer's certification and maintaining the engine according to the manufacturer's instructions.

Emissions Unit Table											
EU(s)	Limitation	Basis	ND	OR	M	R	Rp	ET	ENF	Misc	Comments
	15 percent opacity during the lugging mode; and 50 percent opacity during the peaks in										
P042, P088-P090	99.0 tons of CO per rolling, 12-month period from emissions units P001 through P092;	OAC rule 3745-31-05(E) ; PTI P0139083	N	Y	Y	Y	Y	N	N	N	Compliance with the CO emissions limitations is demonstrated through the recordkeeping established in the permit.
Section C.3: Emissions Unit Group 6a- 2,750 kWe (4,043 bhp) Diesel-Fired Emergency Generator -P028- P068											
P028-P068	Visible particulate emissions from the stack serving this emissions unit shall not exceed 20 percent	OAC rule 3745-17-07(A)	N	Y	Y	Y	Y	N	N	N	Compliance is based on the combustion of only ULSD and/or hydrogenated renewable diesel. If required, visible emissions observations shall be performed to determine compliance.

Emissions Unit Table											
EU(s)	Limitation	Basis	ND	OR	M	R	Rp	ET	ENF	Misc	Comments
	opacity as a six-minute average.										
P028-P068	0.062 PE lb/MMBtu actual heat input.	OAC rule 3745-17-11(B)(5)(b)	N	Y	Y	Y	Y	N	N	N	Compliance is based on the manufacturer's technical data sheet. If required, emission testing shall be performed to demonstrate compliance.
P028-P068	0.5 SO ₂ lb/MMBtu actual heat input.	OAC rule 3745-18-06(G)	N	Y	Y	Y	Y	N	N	N	Compliance is based on the combustion of only ULSD and/or hydrogenated renewable diesel, determined through fuel supplier documentation or fuel analysis.
P028-P068	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;	OAC rule 3745-31-05(A)(3); PTI P0139083; 40 CFR Part 60, Subpart IIII	N	Y	Y	Y	Y	N	N	N	ET: Compliance is based on the manufacturer's certification and maintaining the engine according to the manufacturer's instructions.

Emissions Unit Table											
EU(s)	Limitation	Basis	ND	OR	M	R	Rp	ET	ENF	Misc	Comments
	3.5 grams CO/kW-hr; 20 percent opacity during the acceleration mode; 15 percent opacity during the lugging mode; and either the acceleration or lugging modes. 50 percent opacity during the peaks in either the acceleration or lugging modes.										
P028-P068	99.0 tons of CO per rolling, 12-month period from emissions units P001 through P092;	OAC rule 3745-31-05(D) ; PTI P0139083	N	Y	Y	Y	Y	N	N	N	Compliance with the NO _x , and CO emissions limitations is demonstrated through the recordkeeping established in the permit.

Emissions Unit Table											
EU(s)	Limitation	Basis	ND	OR	M	R	Rp	ET	ENF	Misc	Comments
P028-P068	99.0 tons of CO per rolling, 12-month period from emissions units P001 through P092;	OAC rule 3745-31-05(E) ; PTI P0139083	N	Y	Y	Y	Y	N	N	N	Compliance with the CO emissions limitations is demonstrated through the recordkeeping established in the permit.
Section C.4: Emissions Unit Group 6b- 2,750 kWe (4,043 bhp) Diesel-Fired Emergency Generator - P070 through P087											
P070 - P087	Visible particulate emissions from the stack serving this emissions unit shall not exceed 20 percent opacity as a six-minute average	OAC rule 3745-17-07(A)	N	Y	Y	Y	Y	N	N	N	Compliance is based on the combustion of only ULSD and/or hydrogenated renewable diesel. If required, visible emissions observations shall be performed to determine compliance.
P070 - P087	0.062 PE lb/MMBtu actual heat input.	OAC rule 3745-17-11(B)(5)(b)	N	Y	Y	Y	Y	N	N	N	Compliance is based on the manufacturer's technical data sheet. If required, emission testing

Emissions Unit Table											
EU(s)	Limitation	Basis	ND	OR	M	R	Rp	ET	ENF	Misc	Comments
											shall be performed to demonstrate compliance.
P070 - P087	0.5 SO ₂ lb/MMBtu actual heat input.	OAC rule 3745-18-06(G)	N	Y	Y	Y	Y	N	N	N	Compliance is based on the combustion of only ULSD and/or hydrogenated renewable diesel, determined through fuel supplier documentation or fuel analysis.
P070 - P087	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	OAC rule 3745-31-05(A)(3); PTI P0139083; 40 CFR Part 60, Subpart IIII	N	Y	Y	Y	Y	N	N	N	ET: Compliance is based on the manufacturer's certification and maintaining the engine according to the manufacturer's instructions.

Emissions Unit Table											
EU(s)	Limitation	Basis	ND	OR	M	R	Rp	ET	ENF	Misc	Comments
	50 percent opacity during the peaks in either the acceleration or lugging modes.										
P070 - P087	99.0 tons of CO per rolling, 12-month period from emissions units P001 through P092; 240.0 tons of NOx per rolling, 12-month period from emissions units P001 through P092.	OAC rule 3745-31-05(D) ; PTI P0139083	N	Y	Y	Y	Y	N	N	N	Compliance with the NOx, and CO emissions limitations is demonstrated through the recordkeeping established in the permit.
P070 - P087	99.0 tons of CO per rolling, 12-month period from emissions units P001 through P092;	OAC rule 3745-31-05(E) ; PTI P0139083	N	Y	Y	Y	Y	N	N	N	Compliance with the CO emissions limitations is demonstrated through the recordkeeping established in the permit.



**Environmental
Protection
Agency**

DRAFT

Division of Air Pollution Control
Title V Permit
for
CMH071 Campus

Facility ID:	0180000412
Permit Number:	P0138991
Permit Type:	Initial
Issued:	08/31/2026
Effective:	To be entered upon final issuance
Expiration:	To be entered upon final issuance

Division of Air Pollution Control
Title V Permit
for
CMH071 Campus

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Authorization

Facility ID: 0180000412
Facility Description:
Application Number(s): A0078140
Permit Number: P0138991
Permit Description: Permit To Operate for 92 Diesel-Fired Emergency Generators.
Permit Type: Initial
Issue Date:
Effective Date: To be entered upon final issuance
Expiration Date: To be entered upon final issuance
Superseded Permit Number:

This document constitutes issuance of an OAC Chapter 3745-77 Title V permit to:

CMH071 Campus
Industrial Parkway
Jerome Twp., OH 43064

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 Title V permit pursuant to Chapter 3745-77 of the Ohio Administrative Code. This permit and the authorization to operate the air contaminant sources (emissions units) at this facility shall expire at midnight on the expiration date shown above. You will be sent a notice approximately 18 months prior to the expiration date regarding the renewal of this permit. If you do not receive a notice, please contact the Ohio EPA DAPC, Central Office. If a renewal permit is not issued prior to the expiration date, the permittee may continue to operate pursuant to OAC rule 3745-77-08(E) and in accordance with the terms of this permit beyond the expiration date, if a timely renewal application is submitted. A renewal application will be considered timely if it is submitted no earlier than 18 months and no later than 6 months prior to the expiration date.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

John Logue
Director

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. 24., Reporting Requirements Related to Monitoring and Record Keeping Requirements of State-Only Enforceable Permit Terms and Conditions
 - (2) Standard Term and Condition A. 25., Records Retention Requirements for State-Only Enforceable Permit Terms and Conditions
 - (3) Standard Term and Condition A. 27., Scheduled Maintenance/Malfunction Reporting for State-Only Requirements
 - (4) Standard Term and Condition A. 29., Additional Reporting Requirements When There Are No Deviations of Federally Enforceable Emission Limitations, Operational Restrictions, or Control Device Operating Parameter Limitations
 - (5) Standard Term and Condition A. 30., Submitting Documents Required by this Permit

[Authority for term: ORC 3704.036(A)]

2. 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 (i.e., in section C. Emissions Unit Terms and Conditions of this Title V permit), 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.

[Authority for term: OAC rule 3745-77-07(A)(3)(b)(i)]

- 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 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.

[Authority for term: OAC rule 3745-77-07(A)(3)(b)(ii)]

- c) The permittee shall submit required reports in the following manner:
- (1) All reporting required in accordance with OAC rule 3745-77-07(A)(3)(c) for deviations caused by malfunctions shall be submitted in the following manner:



Any malfunction, as defined in OAC rule 3745-15-06(B)(1), shall be promptly reported to the Ohio EPA in accordance with OAC rule 3745-15-06. In addition, to fulfill the OAC rule 3745-77-07(A)(3)(c) deviation reporting requirements for malfunctions, written reports that identify each malfunction that occurred during each calendar quarter (including each malfunction reported only verbally in accordance with OAC rule 3745-15-06) shall be submitted by January 31, April 30, July 31, and October 31 of each year in accordance with Standard Term and Condition A.2.c)(2) below; and each report shall cover the previous calendar quarter. An exceedance of the visible emission limitations specified in OAC rule 3745-17-07(A)(1) that is caused by a malfunction is not a violation and does not need to be reported as a deviation if the owner or operator of the affected air contaminant source or air pollution control equipment complies with the requirements of OAC rule 3745-17-07(A)(3)(c).

In accordance with OAC rule 3745-15-06, a malfunction reportable under OAC rule 3745-15-06(B) is a deviation of the federally enforceable permit requirements. Even though verbal notifications and written reports are required for malfunctions pursuant to OAC rule 3745-15-06, the written reports required pursuant to this term must be submitted quarterly to satisfy the prompt reporting provision of OAC rule 3745-77-07(A)(3)(c).

In identifying each deviation caused by a malfunction, the permittee shall specify the emission limitation(s) (or control requirement(s)) for which the deviation occurred, describe each deviation, and provide the magnitude and duration of each deviation. For a specific malfunction, if this information has been provided in a written report that was submitted in accordance with OAC rule 3745-15-06, the permittee may simply reference that written report to identify the deviation. Nevertheless, all malfunctions, including those reported only verbally in accordance with OAC rule 3745-15-06, must be reported in writing on a quarterly basis.

Any submitted scheduled maintenance requests, as referenced in OAC rule 3745-15-06(A)(1), that results in a deviation from a federally enforceable emission limitation (or control requirement) shall be reported in the same manner as described above for malfunctions.

[(Authority for term: OAC rule 3745-77-07(A)(3)(c))]

- (2) Except as may otherwise be provided in the terms and conditions for a specific emissions unit (i.e., in section C. Emissions Unit Terms and Conditions of this Title V permit or, in some cases, in section B. Facility-Wide Terms and Conditions of this Title V permit), all reporting required in accordance with OAC rule 3745-77-07(A)(3)(c) for deviations of the emission limitations, operational restrictions, and control device operating parameter limitations shall be submitted in the following manner:

Written reports of (a) any deviations from federally enforceable emission limitations, operational restrictions, and control device operating parameter limitations, (b) the probable cause of such deviations, and (c) any corrective actions or preventive measures taken, shall be submitted promptly to the Ohio EPA DAPC, Central Office. Except as provided below, the written reports shall be submitted by January 31, April 30, July 31, and October 31 of each year; and each report shall cover the previous calendar quarter.

In identifying each deviation, the permittee shall specify the emission limitation(s), operational restriction(s), and/or control device operating parameter limitation(s) for which the deviation



occurred, describe each deviation, and provide the estimated magnitude and duration of each deviation.

These written deviation reports shall satisfy the requirements of OAC rule 3745-77-07(A)(3)(c) pertaining to the submission of monitoring reports every six months and to the prompt reporting of all deviations. Full compliance with OAC rule 3745-77-07(A)(3)(c) requires reporting of all other deviations of the federally enforceable requirements specified in the permit as required by such rule.

If an emissions unit has a deviation reporting requirement for a specific emission limitation, operational restriction, or control device operating parameter limitation that is not on a quarterly basis (e.g., within 30 days following the end of the calendar month, or within 30 or 45 days after the exceedance occurs), that deviation reporting requirement satisfies the reporting requirements specified in this Standard Term and Condition for that specific emission limitation, operational restriction, or control device parameter limitation. Following the provisions of that non-quarterly deviation reporting requirement will also satisfy (for the deviations so reported) the requirements of OAC rule 3745-77-07(A)(3)(c) pertaining to the submission of monitoring reports every six months and to the prompt reporting of all deviations, and additional quarterly deviation reports for that specific emission limitation, operational restriction, or control device parameter limitation are not required pursuant to this Standard Term and Condition.

See A.29 below if no deviations occurred during the quarter.

[(Authority for term: OAC rule 3745-77-07(A)(3)(c)]

- (3) All reporting required in accordance with the OAC rule 3745-77-07(A)(3)(c) for other deviations of the federally enforceable permit requirements which are not reported in accordance with Standard Term and Condition A.2.c)(2) above shall be submitted in the following manner:

Unless otherwise specified by rule, written reports that identify deviations of the following federally enforceable requirements contained in this permit; Standard Terms and Conditions: A.3, A.4, A.5, A.7.e), A.8, A.13, A.15, A.20, and A.23 of this Title V permit, as well as any deviations from the requirements in section C. Emissions Unit Terms and Conditions of this Title V permit, and any monitoring, record keeping, and reporting requirements, which are not reported in accordance with Standard Term and Condition A.2.c)(2) above shall be submitted to the Ohio EPA DAPC, Central Office by January 31 and July 31 of each year; and each report shall cover the previous six calendar months. Unless otherwise specified by rule, all other deviations from federally enforceable requirements identified in this permit shall be submitted annually as part of the annual compliance certification, including deviations of federally enforceable requirements not specifically addressed by permit or rule for the insignificant activities or emissions levels (IEU) identified in section B. Facility-Wide Terms and Conditions of this Title V permit. Annual reporting of deviations is deemed adequate to meet the deviation reporting requirements for IEUs unless otherwise specified by permit or rule.

In identifying each deviation, the permittee shall specify the federally enforceable requirement for which the deviation occurred, describe each deviation, and provide the magnitude and duration of each deviation.



These semi-annual and annual written reports shall satisfy the reporting requirements of OAC rule 3745-77-07(A)(3)(c) for any deviations from the federally enforceable requirements contained in this permit that are not reported in accordance with Standard Term and Condition A.2.c)(2) above.

If no such deviations occurred during a six-month period, the permittee shall submit a semi-annual report which states that no such deviations occurred during that period.

[(Authority for term: OAC rules 3745-77-07(A)(3)(c)(i) and (ii) and OAC rule 3745-77-07(A)(13)(b)]

- (4) 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 (including any written malfunction reports required by OAC rule 3745-15-06 that are referenced in the deviation reports) are true, accurate, and complete." Signature by the Responsible Official may be represented by entry of the personal identification number (PIN) by the Responsible Official as part of the electronic submission process or by the scanned attestation document signed by the Responsible Official that is attached to the electronically submitted written report.

[(Authority for term: OAC rule 3745-77-07(A)(3)(c)(v)]

- (5) Consistent with A.2.c.1. above, reports of any required monitoring and/or record keeping information required to be submitted to Ohio EPA shall be submitted to Ohio EPA DAPC, Central Office unless otherwise specified.

[(Authority for term: OAC rule 3745-77-07(A)(3)(c)]

3. Reporting of Any Exceedance of a Federally Enforceable Emission Limitation or Control Requirement Resulting from Scheduled Maintenance

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. Except as provided in OAC rule 3745-15-06(A)(3), any scheduled maintenance necessitating the shutdown or bypassing of any air pollution control system(s) shall be accompanied by the shutdown of the emissions unit(s) that is (are) served by such control system(s). Any scheduled maintenance, as defined in OAC rule 3745-15-06(A)(1), that results in a deviation from a federally enforceable emission limitation (or control requirement) shall be reported in the same manner as described for malfunctions in Standard Term and Condition A.2.c)(1) above.

[(Authority for term: OAC rule 3745-77-07(A)(3)(c)]

4. Risk Management Plans

If applicable, the permittee shall 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"); and, pursuant to 40 C.F.R. 68.215(a), the permittee shall submit either of the following:

- a) A compliance plan for meeting the requirements of 40 C.F.R. Part 68 by the date specified in 40 C.F.R. 68.10(a) and OAC 3745-104-05(A); or

- b) As part of the compliance certification submitted under 40 C.F.R. 70.6(c)(5), a certification statement that the source is in compliance with all requirements of 40 C.F.R. Part 68 and OAC Chapter 3745-104, including the registration and submission of the risk management plan.

[Authority for term: OAC rule 3745-77-07(A)(4)]

5. 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.

[Authority for term: OAC rule 3745-77-07(A)(5)]

6. Severability Clause

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.

[Authority for term: OAC rule 3745-77-07(A)(6)]

7. 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 reissuance, or modification, or for denial of a permit renewal application.
- 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 except as provided pursuant to A.16 below.
- c) This permit may be modified, reopened, revoked, or revoked and reissued, for cause, in accordance with A.11 below. 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, reopening 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.
- f) Except as otherwise indicated below, this Title V permit, or permit modification, is effective for five years from the original effective date specified in the permit. In the event that this facility becomes eligible for non-title V permits, this permit shall cease to be enforceable when:

- (1) The permittee submits an approved facility-wide potential to emit analysis supporting a claim that the facility no longer meets the definition of a "major source" as defined in OAC rule 3745-77-01 based on the permanent shutdown and removal of one or more emissions units identified in this permit; or
- (2) The permittee no longer meets the definition of a "major source" as defined in OAC rule 3745-77-01 based on obtaining restrictions on the facility-wide potential(s) to emit that are federally enforceable or legally and practically enforceable; or
- (3) A combination of (1) and (2) above.

The permittee shall continue to comply with all applicable OAC Chapter 3745-31 requirements for all regulated air contaminant sources once this permit ceases to be enforceable. The permittee shall comply with any residual requirements, such as quarterly deviation reports, semi-annual deviation reports, and annual compliance certifications covering the period during which this Title V permit was enforceable. All records relating to this permit must be maintained in accordance with law.

[Authority for term: OAC rule 3745-77-01, OAC rule 3745-77-07(A)(3)(b)(ii), OAC rule 3745-77-07(A)(7)]

8. Fees

The permittee shall pay fees to the Director of the Ohio EPA in accordance with ORC section 3745.11 and OAC Chapter 3745-78.

[Authority for term: OAC rule 3745-77-07(A)(8)]

9. Marketable Permit Programs

No revision of this permit is required under any approved economic incentive, marketable permits, emissions trading, and other similar programs or processes for changes that are provided for in this permit.

[Authority for term: OAC rule 3745-77-07(A)(9)]

10. Reasonably Anticipated Operating Scenarios

The permittee is hereby authorized to make changes among operating scenarios authorized in this permit without notice to the Ohio EPA, but, contemporaneous with making a change from one operating scenario to another, the permittee must record in a log at the permitted facility the scenario under which the permittee is operating. The permit shield provided in these standard terms and conditions shall apply to all operating scenarios authorized in this permit.

[Authority for term: OAC rule 3745-77-07(A)(10)]

11. Reopening for Cause

This Title V permit will be reopened prior to its expiration date under the following conditions:

- a) Additional applicable requirements under the Act become applicable to one or more emissions units covered by this permit, and this permit has a remaining term of three or more years. Such a reopening shall be completed not later than eighteen months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions has been extended pursuant to paragraph (E)(1) of OAC rule 3745-77-08.

- b) This permit is issued to an affected source under the acid rain program and additional requirements (including excess emissions requirements) become applicable. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into the permit and shall not require a reopening of this permit.
- c) The Director of the Ohio EPA or the Administrator of the U.S. EPA determines that the federally applicable requirements in this permit are based on a material mistake, or that inaccurate statements were made in establishing the emissions standards or other terms and conditions of this permit related to such federally applicable requirements.
- d) The Administrator of the U.S. EPA or the Director of the Ohio EPA determines that this permit must be revised or revoked to assure compliance with the applicable requirements.

[Authority for term: OAC rules 3745-77-07(A)(12) and 3745-77-08(D)]

12. Federal and State Enforceability

Only those terms and conditions designated in this permit as federally enforceable, that 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, the state, and citizens under the Act. All other terms and conditions of this permit shall not be federally enforceable and shall be enforceable under state law only.

[Authority for term: OAC rule 3745-77-07(B)]

13. Compliance Requirements

- a) Any document (including reports) required to be submitted and required by a federally applicable requirement in this Title V 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 paragraph (E) of OAC rule 3745-77-03.
 - (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.
- d) Compliance certifications concerning the terms and conditions contained in this permit that are federally enforceable emission limitations, standards, or work practices, shall be submitted to the Director (the Ohio EPA DAPC, Central Office) and the Administrator of the U.S. EPA in the following manner and with the following content:
- (1) Compliance certifications shall be submitted annually on a calendar year basis. The annual certification shall be submitted on or before April 30th of each year during the permit term.
 - (2) Compliance certifications shall include the following:
 - a. Identification of each term or condition that is the basis of the certification. The identification may include a statement by the Responsible Official that every term and condition that is federally enforceable has been reviewed, and such terms and conditions with which there has been continuous compliance throughout the year are not separately identified.
 - b. The permittee's current compliance status.
 - c. Whether compliance was continuous or intermittent consistent with A.13.d)(2)a. above.
 - d. The method(s) used for determining the compliance status of the source currently and over the required reporting period consistent with A.13.d)(2)a. above.
 - e. Such other facts as the Director of the Ohio EPA may require in the permit to determine the compliance status of the source.
 - (3) Compliance certifications shall contain such additional requirements as may be specified pursuant to sections 114(a)(3) and 504(b) of the Act.

[Authority for term: OAC rules 3745-77-07(C)(1),(2),(4) and (5) and ORC section 3704.03(L)]

14. Permit Shield

- a) Compliance with the terms and conditions of this permit (including terms and conditions established for alternate operating scenarios, emissions trading, and emissions averaging, but excluding terms and conditions for which the permit shield is expressly prohibited under OAC rule 3745-77-07) shall be deemed compliance with the applicable requirements identified and addressed in this permit as of the date of permit issuance.
- b) This permit shield provision shall apply to any requirement identified in this permit pursuant to OAC rule 3745-77-07(F)(2), as a requirement that does not apply to the source or to one or more emissions units within the source.

[Authority for term: OAC rule 3745-77-07(F)]

15. Operational Flexibility

The permittee is authorized to make the changes identified in OAC rule 3745-77-07(H)(1)(a) to (H)(1)(c) within the permitted stationary source without obtaining a permit revision, if such change is not a modification under any provision of Title I of the Act [defined as “Title I modification” in OAC rule 3745-77-01], and does not result in an exceedance of the emissions allowed under this permit (whether expressed therein as a rate of emissions or in terms of total emissions), and the permittee provides the Administrator of the U.S. EPA and the Ohio EPA DAPC, Central Office with written notification within a minimum of seven days in advance of the proposed changes, unless the change is associated with, or in response to, emergency conditions. If less than seven days’ notice is provided because of a need to respond more quickly to such emergency conditions, the permittee shall provide notice to the Administrator of the U.S. EPA and the Ohio EPA DAPC, Central Office as soon as possible after learning of the need to make the change. The notification shall contain the items required under OAC rule 3745-77-07(H)(2)(d).

[Authority for term: OAC rules 3745-77-07(H)(1) and (2)]

16. Emergencies

The permittee shall have an affirmative defense of emergency to an action brought for noncompliance with technology-based emission limitations if the conditions of OAC rule 3745-77-07(G)(3) are met. This emergency defense provision is in addition to any emergency or upset provision contained in any applicable requirement.

[Authority for term: OAC rule 3745-77-07(G)]

17. Off-Permit Changes

The owner or operator of a Title V source may make any change in its operations or emissions at the source that is not specifically addressed or prohibited in the Title V permit, without obtaining an amendment or modification of the permit, provided that the following conditions are met:

- a) The change does not result in conditions that violate any applicable requirements or that violate any existing federally enforceable permit term or condition.
- b) The permittee provides contemporaneous written notice of the change to the Director and the Administrator of the U.S. EPA, except that no such notice shall be required for changes that qualify as “insignificant activities and emissions levels” as defined in OAC rule 3745-77-01. Such written notice shall describe each such change, the date of such change, any change in emissions or pollutants emitted, and any federally applicable requirement that would apply as a result of the change.
- c) The change shall not qualify for the permit shield under OAC rule 3745-77-07(F).
- d) The permittee shall keep a record describing all changes made at the source that result in emissions of a regulated air pollutant subject to an applicable requirement, but not otherwise regulated under the permit, and the emissions resulting from those changes.
- e) The change is not subject to any applicable requirement under Title IV of the Act or is not a modification under any provision of Title I of the Act.

Paragraph (I) of rule 3745-77-07 of the Administrative Code applies only to modification or amendment of the permittee’s Title V permit. The change made may require a permit-to-install under Chapter 3745-31 of the Administrative Code if the change constitutes a modification as defined in that Chapter. Nothing in paragraph

(I) of rule 3745-77-07 of the Administrative Code shall affect any applicable obligation under Chapter 3745-31 of the Administrative Code.

[Authority for term: OAC rule 3745-77-07(I)]

18. Compliance Method Requirements

Nothing in this permit shall alter or affect the ability of any person to establish compliance with, or a violation of, any applicable requirement through the use of credible evidence to the extent authorized by law. Nothing in this permit shall be construed to waive any defenses otherwise available to the permittee, including but not limited to, any challenge to the Credible Evidence Rule (see 62 Federal Register 8314, Feb. 24, 1997), in the context of any future proceeding.

(This term is provided for informational purposes only.)

19. Insignificant Activities or Emissions Levels

Each IEU that is subject to one or more applicable requirements shall comply with those applicable requirements.

[Authority for term: OAC rule 3745-77-07(A)(1)]

20. Permit-to-Install Requirement

Prior to the "installation" or "modification" of any "air contaminant source," as those terms are defined in OAC rule 3745-31-01, a permit-to-install must be obtained from the Ohio EPA pursuant to OAC Chapter 3745-31.

[Authority for term: OAC rule 3745-77-07(A)(1)]

21. 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.

[Authority for term: OAC rule 3745-77-07(A)(1)]

22. Permanent Shutdown of an Emissions Unit

The permittee may notify Ohio EPA of any emissions unit that is permanently shut down by submitting a certification from the Responsible 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 Responsible Official that the emissions unit was permanently shut down.

After the date on which an emissions unit is permanently shut down (i.e., that 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 and therefore ceases to meet the definition of an "emissions unit" as defined in OAC rule 3745-77-01), rendering existing permit terms and conditions irrelevant, the permittee shall not be required, after the date of the certification and submission to Ohio EPA, to meet any Title V permit requirements applicable to that emissions unit, except for any residual requirements, such as the quarterly deviation reports, semi-annual deviation reports and annual compliance certification covering the period during which the emissions unit last operated. All records relating to the shutdown emissions unit, generated while the emissions unit was in operation, must be maintained in accordance with law.

Unless otherwise exempted, no emissions unit identified in this permit that has been certified by the Responsible Official as being permanently shut down may resume operation without first applying for and obtaining a permit to install pursuant to OAC Chapter 3745-31.

[Authority for term: OAC rule 3745-77-01]

23. Title VI Provisions

If applicable, the permittee shall comply with the standards for recycling and reducing emissions of ozone depleting substances pursuant to 40 CFR Part 82, Subpart F, except as provided for motor vehicle air conditioners in Subpart B of 40 CFR Part 82:

- a) Persons operating appliances for maintenance, service, repair, or disposal must comply with the required practices specified in 40 CFR 82.156.
- b) Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment specified in 40 CFR 82.158.
- c) Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161.

[Authority for term: OAC rule 3745-77-01(H)(11)]

24. Reporting Requirements Related to Monitoring and Record Keeping Requirements Under State Law Only

The permittee shall submit required reports in the following manner:

- a) Reports of any required monitoring and/or record keeping 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 (i) any deviations (excursions) from emission limitations, operational restrictions, and control device operating parameter limitations that have been detected by the testing, monitoring, and record keeping requirements specified in this permit, (ii) the probable cause of such deviations, and (iii) any corrective actions or preventive measures which have been or will be taken, shall be submitted to the Ohio EPA DAPC, Central Office. In identifying each deviation, the permittee shall specify the applicable requirement for which the deviation occurred, describe each deviation, and provide the magnitude and duration of each deviation. 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.)

25. Records Retention Requirements Under State Law Only

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.

26. Inspections and Information Requests

The Director of the Ohio EPA, or an authorized representative of the Director, may, subject to the safety requirements of the permittee and without undue delay, enter upon the premises of this source at any reasonable time for purposes of making inspections, conducting tests, examining records or reports pertaining to any emission of air contaminants, and determining compliance with any applicable state air pollution laws and regulations and the terms and conditions of this permit. The permittee shall furnish to the Director of the Ohio EPA, or an authorized representative of the Director, upon receipt of a written request and within a reasonable time, any information that may be requested to determine whether cause exists for modifying, reopening or revoking this permit or to determine compliance with this permit. Upon verbal or written request, the permittee shall also furnish to the Director of the Ohio EPA, or an authorized representative of the Director, copies of records required to be kept by this permit.

[Authority for term: OAC rule 3745-77-07(C)]

27. Scheduled Maintenance/Malfunction Reporting for State-Only Requirements

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

28. Permit Transfers

Any transferee of this permit shall assume the responsibilities of the prior permit holder. The Ohio EPA DAPC, Central Office must be notified in writing of any transfer of this permit.

[Authority for term: OAC rule 3745-77-01(C)]

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

If no emission limitation (or control requirement), operational restriction and/or control device parameter limitation 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 by January 31, April 30, July 31, and October 31 of each year; and each report shall cover the previous calendar quarter.

The permittee is not required to submit a quarterly report which states that no deviations occurred during that quarter for the following situations:

- a) Where an emissions unit has deviation reporting requirements for a specific emission limitation, operational restriction, or control device parameter limitation that override the deviation reporting requirements specified in Standard Term and Condition A.2.c)(2); or
- b) Where an uncontrolled emissions unit has no monitoring, record keeping, or reporting requirements and the emissions unit's applicable emission limitations are established at the potential to emit; or
- c) Where the company's Responsible Official has certified that an emissions unit has been permanently shut down.

30. Submitting Documents Required by this Permit

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 Ohio EPA DAPC, Central Office, 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 required application, notification or report is considered to be "submitted" on the date the submission is successful using a valid electronic signature. Signature by the Responsible Official may be represented as provided through procedures established in Air Services.

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.

[Authority for term: OAC rule 3745-77-07(B)(2)]

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).

[Authority for term: OAC rule 3745-77-07(C)(1)]

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.9. below. The terms and conditions in this permit do not apply to nonroad engines as defined in B.2. above.

[Authority for term: OAC rule 3745-77-07(C)(1)]

4. The emissions of nitrogen oxides (NO_x) from emissions units P001 through P092; 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 240.0 tons per rolling, 12-month period.

[Authority for term: OAC rule 3745-31-05(D) and OAC rule 3745-77-07(A)(1)]

5. The emissions of carbon monoxide (CO) from emissions units P001 through P092 and all transitory generators, combined, shall not exceed 99.0 tons per rolling, 12-month period.

[Authority for term: OAC rule 3745-31-05(D) and OAC rule 3745-77-07(A)(1)]

6. The maximum facility-wide fuel usage shall be limited by the following formulas for each rolling, 12-month period:

$$240.0 \text{ tons of NO}_x \geq \sum_{i=1}^n \frac{EF_{\text{NO}_x,i} Q_i}{2,000 \frac{\text{lb}}{\text{ton}}} + \sum_{j=1}^n \text{NO}_{x,j}$$

$$99.0 \text{ tons of CO} \geq \sum_{i=1}^n \frac{EF_{CO,i} Q_i}{2,000 \frac{\text{lb}}{\text{ton}}}$$

where:

i = each emissions unit, P001 through P139 and the transitory generators

$EF_{NO_x,i}$ = the NO_x emissions factor for the engine type, in lb/gal, for each emissions unit, i, based on the manufacturer's technical specifications and/or AP-42. The NO_x emissions factors for emissions units P001 through P092 are provided in Table 1 below.

Table 1: NO_x Emissions Factors for P001 through P092

Emissions Unit(s)	Emissions Factor (lb/gal)
P001 – P026	0.295
P027	0.327
P042, P088-P090	0.298
P091	0.327
P092	0.623
P028 - P041, P043 - P068	0.274
P070 - P087	0.278
P069	0.265

$EF_{CO,i}$ = the CO emissions factor for the engine type, in lb/gal, for each emissions unit, i, based on the manufacturer's technical specifications and/or AP-42. The CO emissions factors for emissions units P001 through P092 are provided in Table 2 below.

Table 2: CO Emissions Factors for P001 through P092

Emissions Unit(s)	Emissions Factor (lb/gal)
P001 – P026	0.0577
P027	0.0410
P042, P088-P090	0.126
P091	0.0410
P092	0.134
P028 - P041, P043 - P068	0.0663
P070 - P087	0.112

P069	0.0774
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Q_i = the number of gallons of fuel used by each emissions unit, i , during the rolling, 12-month period

$NO_{x,j}$ = 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.

[Authority for term: OAC rule 3745-31-05(D) and OAC rule 3745-77-07(A)(1)]

7. The permittee shall maintain monthly records of the following information:
- the number of gallons of fuel used by each emissions unit for P001 through P092 and the transitory generators;
 - the rolling, 12-month summation of the number of gallons of fuel used by each emissions unit for P001 through P092 and the transitory generators;
 - the rolling, 12-month summation of NO_x emissions from emissions units P001 through P092; all transitory generators; all de minimis emissions units; all permit exempt emissions units; and all permit-by-rule emissions units, combined, in tons; and
 - the rolling, 12-month summation of CO emissions from emissions units P001 through P092 and all transitory generators, combined, in tons.

The rolling, 12-month summation of NO_x and CO emissions from emissions units P001 through P092 and the transitory generators shall be calculated using NO_x and CO emissions factors based on the manufacturer's technical specifications. The emissions factors that shall be used for emissions units P001 through P092 are specified in Tables 1 and 2 above.

[Authority for term: OAC rule 3745-77-07(C)(1)]

8. The permittee shall submit quarterly deviation (excursion) reports that identify:
- All deviations (excursions) of the following emission limitations, operational restrictions and/or control device operating parameter limitations that restrict the PTE of any regulated air pollutant and have been detected by the monitoring, record keeping and/or testing requirements in this permit:
 - all exceedances of the rolling, 12-month fuel limitation specified in B.6. above;
 - all exceedances of the rolling, 12-month NO_x emissions limitation; and
 - all exceedances of the rolling, 12-month CO emissions limitation.
 - The probable cause of each deviation (excursion).
 - Any corrective actions that were taken to remedy the deviations (excursions) or prevent future deviations (excursions); and
 - 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 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 (the appropriate DO/LAA).

[Authority for term: OAC rule 3745-15-03(B)(1)(a), OAC rule 3745-15-03(C), and OAC rule 3745-77-07(A)(3)(c)]

9. Emissions Limitations

The emissions of NO_x from emissions units P001 through P092; 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 240.0 tons per rolling, 12-month period.

The emissions of CO from emissions units P001 through P092 and all transitory generators, combined, shall not exceed 99.0 tons per rolling, 12-month period.

Applicable Compliance Method

Compliance with these emissions limitations shall be determined through the recordkeeping requirements specified in B.7. above.

[Authority for term: OAC rule 3745-77-07(C)(1)]

10. 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.

[Authority for term: OAC rule 3745-15-03(A) and OAC rule 3745-77-07(A)(3)(c)]

11. 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, District Office or Local Air Agency.

[Authority for term: OAC rule 3745-77-07(A)(13), OAC rule 3745-77-07(C)(1), and 40 CFR Part 63, Subpart ZZZZ]

12. The following emissions units contained in this permit are subject to 40 CFR Part 60, Subpart IIII: P001 through P127. The complete NSPS requirements, including the NSPS General Provisions, may be accessed from the e-CFR website <http://ecfr.gov> or by contacting the Ohio EPA, District Office or Local Air Agency.

- a) The permittee shall comply with the applicable emissions limitations, monitoring and/or recordkeeping requirements, reporting and/or notification requirements, and compliance methods established pursuant to 40 CFR Part 60, Subpart IIII, including the following relevant sections.

Applicable Rule(s)	Requirement
40 CFR 60.4205 - 60.4206	Emission Standards
40 CFR 60.4207	Fuel Requirements

Applicable Rule(s)	Requirement
40 CFR 60.4208	Deadline for Importing or Installing CI ICE Produced in Previous Model Years
40 CFR 60.4209	Monitoring Requirements
40 CFR 60.4211	Compliance Requirements
40 CFR 60.4212	Testing Requirements
40 CFR 60.4214	Notifications, Reports, and Records
40 CFR 60.4217	Emission Standards for CI ICE Using Special Fuels
40 CFR 60.4218	General Provisions

- b) The permittee shall comply with 40 CFR Part 60, Subpart IIII in accordance with the applicable provisions identified in 40 CFR Part 60, Subpart A. Table 8 to Subpart IIII of 40 CFR Part 60 - "Applicability of General Provisions to Subpart IIII" identifies which parts of the General Provisions in 40 CFR 60.1 through 60.19 apply.

[Authority for term: OAC rule 3745-77-07(A)(13), OAC rule 3745-77-07(C)(1), and 40 CFR Part 60, Subpart IIII]

13. The insignificant emissions units listed below are subject to requirements contained in a permit-to-install, subject to a requirement in the SIP approved versions of OAC Chapters 3745-17, 3745-18, 3745-21, and 3745-31, subject to a federal rule requirement, or otherwise subject to an *Applicable Requirement*, as defined in OAC Rule 3745-77-01:

EU ID	Operations, Property and/or Equipment Description	Applicable Requirement(s)
P027	600 kWe (900 bhp) Diesel-Fired Emergency Generator, B1_HEG1	PTI P0139083
P069	750 kWe (1,112 bhp) Diesel-Fired Emergency Generator, B3_HEG1	OAC rule 3745-17-07(A) OAC rule 3745-17-11(B)(5)
P091	600 kWe (900 bhp) Diesel-Fired Emergency Generator, IW_600	OAC rule 3475-31-05(D)
P092	125 kWe (229 bhp) Diesel-Fired Emergency Generator, SEC_EG	40 CFR Part 60, Subpart IIII 40 CFR Part 63, Subpart ZZZZ

[Authority for term: OAC rule 3745-77-07(A)(13)]

C. Emissions Unit Terms and Conditions

1. Emissions Unit Group - Group 1: P001, P002, P003, P004, P005, P006, P007, P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P023, P024, P025, P026,

EU ID	Operations, Property and/or Equipment Description
P001	2,500 kWe (3,633 bhp) Diesel-Fired Emergency Generator, B1_EG01
P002	2,500 kWe (3,633 bhp) Diesel-Fired Emergency Generator, B1_EG02
P003	2,500 kWe (3,633 bhp) Diesel-Fired Emergency Generator, B1_EG03
P004	2,500 kWe (3,633 bhp) Diesel-Fired Emergency Generator, B1_EG04
P005	2,500 kWe (3,633 bhp) Diesel-Fired Emergency Generator, B1_EG05
P006	2,500 kWe (3,633 bhp) Diesel-Fired Emergency Generator, B1_EG06
P007	2,500 kWe (3,633 bhp) Diesel-Fired Emergency Generator, B1_EG07
P008	2,500 kWe (3,633 bhp) Diesel-Fired Emergency Generator, B1_EG08
P009	2,500 kWe (3,633 bhp) Diesel-Fired Emergency Generator, B1_EG09
P010	2,500 kWe (3,633 bhp) Diesel-Fired Emergency Generator, B1_EG10
P011	2,500 kWe (3,633 bhp) Diesel-Fired Emergency Generator, B1_EG11
P012	2,500 kWe (3,633 bhp) Diesel-Fired Emergency Generator, B1_EG12
P013	2,500 kWe (3,633 bhp) Diesel-Fired Emergency Generator, B1_EG13
P014	2,500 kWe (3,633 bhp) Diesel-Fired Emergency Generator, B1_EG14
P015	2,500 kWe (3,633 bhp) Diesel-Fired Emergency Generator, B1_EG15
P016	2,500 kWe (3,633 bhp) Diesel-Fired Emergency Generator, B1_EG16
P017	2,500 kWe (3,633 bhp) Diesel-Fired Emergency Generator, B1_EG17
P018	2,500 kWe (3,633 bhp) Diesel-Fired Emergency Generator, B1_EG18
P019	2,500 kWe (3,633 bhp) Diesel-Fired Emergency Generator, B1_EG19
P020	2,500 kWe (3,633 bhp) Diesel-Fired Emergency Generator, B1_EG20

EU ID	Operations, Property and/or Equipment Description
P021	2,500 kWe (3,633 bhp) Diesel-Fired Emergency Generator, B1_EG21
P022	2,500 kWe (3,633 bhp) Diesel-Fired Emergency Generator, B1_EG22
P023	2,500 kWe (3,633 bhp) Diesel-Fired Emergency Generator, B1_EG23
P024	2,500 kWe (3,633 bhp) Diesel-Fired Emergency Generator, B1_EG24
P025	2,500 kWe (3,633 bhp) Diesel-Fired Emergency Generator, B1_EG25
P026	2,500 kWe (3,633 bhp) Diesel-Fired Emergency Generator, B1_EG26

- 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)g. 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) [BAT for NO _x]	The emissions unit shall meet the standards established for NO _x emissions in 40 CFR Part 60, Subpart IIII. See b)(1)h. and b)(2)a. through b)(2)c. below.



	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
e.	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 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.
f.	OAC rule 3745-31-05(D) [Federally enforceable limitations to avoid NSR]	See 2. through 9. of Section B - Facility-Wide Terms and Conditions.
g.	OAC rule 3745-31-05(E) [State-only enforceable limitations to avoid modeling]	See 2. through 3. and 5. Through 9. of Section B – Facility-Wide Terms and Conditions.
h.	OAC rule 3745-110-03	See b)(2)e. below.
i.	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.
j.	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(b)(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 ultra-low sulfur diesel (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. 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 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).

[Authority for term: OAC rule 3745-77-07(A)(1), 40 CFR 60.4206, and 40 CFR 60.4211(a)]



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.

[Authority for term: OAC rule 3745-77-07(C)(1) and 40 CFR 60.4211(c)]

- (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.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (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.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (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.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (5) The emergency stationary CI ICE shall be installed with a non-resettable hour meter prior to startup of the engine.



[Authority for term: OAC rule 3745-77-07(C)(1) and 40 CFR 60.4209(a)]

- (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.

[Authority for term: OAC rule 3745-77-07(C)(1)]

e) Reporting Requirements

- (1) The permittee shall email the appropriate DO/LAA a revised EAC form that identifies the serial number for the emergency generator within 30 days after placement on its concrete pad.

[Authority for term: OAC rule 3745-77-07(C)(1)]

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 PM emissions rates that are equal to or less than 0.07 g/kWh (0.05 g/hp-hr) at



100% load and 0.06 g/kWh (0.05 g/hp-hr) at 75% load for the 3,634 bhp engines, and 0.10 g/kWh (0.07 g/hp-hr) at 100% load and 0.07 g/kWh (0.05 g/hp-hr) at 75% load for the 4,043 bhp engines.

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)(3) 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.

[Authority for term: OAC rule 3745-77-07(C)(1)]

g) Miscellaneous Requirements

(1) None.

2. Emissions Unit Group - Group 3: P042, P088, P089, P090,

EU ID	Operations, Property and/or Equipment Description
P042	1,500 kWe (2,206 bhp) Diesel-Fired Emergency Generator, B2_HEG1
P088	1,500 kWe (2,206 bhp) Diesel-Fired Emergency Generator, B4_HEG1
P089	1,500 kWe (2,206 bhp) Diesel-Fired Emergency Generator, SKI_EG1
P090	1,500 kWe (2,206 bhp) Diesel-Fired Emergency Generator, SKI_EG2

- 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. 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.
e.	OAC rule 3745-31-05(D) [Federally enforceable limitations to avoid NSR]	See 2. through 9. of Section B - Facility-Wide Terms and Conditions.



	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
f.	OAC rule 3745-31-05(E) [State-only enforceable limitations to avoid modeling]	See 2. through 3. and 5. Through 9. of Section B – Facility-Wide Terms and Conditions.
g.	OAC rule 3745-110-03	See b)(2)e. below.
h.	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 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.

(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. 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 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).

[Authority for term: OAC rule 3745-77-07(A)(1), 40 CFR 60.4206, and 40 CFR 60.4211(a)]

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.

[Authority for term: OAC rule 3745-77-07(C)(1) and 40 CFR 60.4211(c)]

- (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.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (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.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (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.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (5) The emergency stationary CI ICE shall be installed with a non-resettable hour meter prior to startup of the engine.

[Authority for term: OAC rule 3745-77-07(C)(1) and 40 CFR 60.4209(a)]

- (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.

[Authority for term: OAC rule 3745-77-07(C)(1)]

e) Reporting Requirements

- (1) The permittee shall email the appropriate DO/LAA a revised EAC form that identifies the serial number for the emergency generator within 30 days after placement on its concrete pad.

[Authority for term: OAC rule 3745-77-07(C)(1)]

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 PM emissions rates that are equal to or less than 0.06 g/kWh (0.04 g/hp-hr) at 100% load and 0.08 g/kWh (0.06 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)(3) 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.

[Authority for term: OAC rule 3745-77-07(C)(1)]

g) **Miscellaneous Requirements**

(1) None.

3. Emissions Unit Group - Group 6a: P028, P029, P030, P031, P032, P033, P034, P035, P036, P037, P038, P039, P040, P041, P043, P044, P045, P046, P047, P048, P049, P050, P051, P052, P053, P054, P055, P056, P057, P058, P059, P060, P061, P062, P063, P064, P065, P066, P067, P068,

EU ID	Operations, Property and/or Equipment Description
P028	2,750 kWe (4,043 bhp) Diesel-Fired Emergency Generator, B2_EG01
P029	2,750 kWe (4,043 bhp) Diesel-Fired Emergency Generator, B2_EG02
P030	2,750 kWe (4,043 bhp) Diesel-Fired Emergency Generator, B2_EG03
P031	2,750 kWe (4,043 bhp) Diesel-Fired Emergency Generator, B2_EG04
P032	2,750 kWe (4,043 bhp) Diesel-Fired Emergency Generator, B2_EG05
P033	2,750 kWe (4,043 bhp) Diesel-Fired Emergency Generator, B2_EG06
P034	2,750 kWe (4,043 bhp) Diesel-Fired Emergency Generator, B2_EG07
P035	2,750 kWe (4,043 bhp) Diesel-Fired Emergency Generator, B2_EG08
P036	2,750 kWe (4,043 bhp) Diesel-Fired Emergency Generator, B2_EG09
P037	2,750 kWe (4,043 bhp) Diesel-Fired Emergency Generator, B2_EG10
P038	2,750 kWe (4,043 bhp) Diesel-Fired Emergency Generator, B2_EG11
P039	2,750 kWe (4,043 bhp) Diesel-Fired Emergency Generator, B2_EG12
P040	2,750 kWe (4,043 bhp) Diesel-Fired Emergency Generator, B2_EG13
P041	2,750 kWe (4,043 bhp) Diesel-Fired Emergency Generator, B2_EG14
P043	2,750 kWe (4,043 bhp) Diesel-Fired Emergency Generator, B3_EG01
P044	2,750 kWe (4,043 bhp) Diesel-Fired Emergency Generator, B3_EG02
P045	2,750 kWe (4,043 bhp) Diesel-Fired Emergency Generator, B3_EG03
P046	2,750 kWe (4,043 bhp) Diesel-Fired Emergency Generator, B3_EG04
P047	2,750 kWe (4,043 bhp) Diesel-Fired Emergency Generator, B3_EG05

EU ID	Operations, Property and/or Equipment Description
P048	2,750 kWe (4,043 bhp) Diesel-Fired Emergency Generator, B3_EG06
P049	2,750 kWe (4,043 bhp) Diesel-Fired Emergency Generator, B3_EG07
P050	2,750 kWe (4,043 bhp) Diesel-Fired Emergency Generator, B3_EG08
P051	2,750 kWe (4,043 bhp) Diesel-Fired Emergency Generator, B3_EG09
P052	2,750 kWe (4,043 bhp) Diesel-Fired Emergency Generator, B3_EG10
P053	2,750 kWe (4,043 bhp) Diesel-Fired Emergency Generator, B3_EG11
P054	2,750 kWe (4,043 bhp) Diesel-Fired Emergency Generator, B3_EG12
P055	2,750 kWe (4,043 bhp) Diesel-Fired Emergency Generator, B3_EG13
P056	2,750 kWe (4,043 bhp) Diesel-Fired Emergency Generator, B3_EG14
P057	2,750 kWe (4,043 bhp) Diesel-Fired Emergency Generator, B3_EG15
P058	2,750 kWe (4,043 bhp) Diesel-Fired Emergency Generator, B3_EG16
P059	2,750 kWe (4,043 bhp) Diesel-Fired Emergency Generator, B3_EG17
P060	2,750 kWe (4,043 bhp) Diesel-Fired Emergency Generator, B3_EG18
P061	2,750 kWe (4,043 bhp) Diesel-Fired Emergency Generator, B3_EG19
P062	2,750 kWe (4,043 bhp) Diesel-Fired Emergency Generator, B3_EG20
P063	2,750 kWe (4,043 bhp) Diesel-Fired Emergency Generator, B3_EG21
P064	2,750 kWe (4,043 bhp) Diesel-Fired Emergency Generator, B3_EG22
P065	2,750 kWe (4,043 bhp) Diesel-Fired Emergency Generator, B3_EG23
P066	2,750 kWe (4,043 bhp) Diesel-Fired Emergency Generator, B3_EG24
P067	2,750 kWe (4,043 bhp) Diesel-Fired Emergency Generator, B3_EG25
P068	2,750 kWe (4,043 bhp) Diesel-Fired Emergency Generator, B3_EG26

- 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)g. 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) [BAT for NO _x]	The emissions unit shall meet the standards established for NO _x emissions in 40 CFR Part 60, Subpart IIII. See b)(1)h. and b)(2)a. through b)(2)c. below.
e.	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 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.
f.	OAC rule 3745-31-05(D) [Federally enforceable limitations to avoid NSR]	See 2. through 9. of Section B - Facility-Wide Terms and Conditions.
g.	OAC rule 3745-31-05(E) [State-only enforceable limitations to avoid modeling]	See 2. through 3. and 5. Through 9. of Section B – Facility-Wide Terms and Conditions.
h.	OAC rule 3745-110-03	See b)(2)e. below.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
i.	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.
j.	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(b)(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 ultra-low sulfur diesel (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. 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 NOx emissions shall not exceed 3.0 g/hp-hr; and the permittee shall demonstrate compliance in accordance with OAC 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).
- [Authority for term: OAC rule 3745-77-07(A)(1), 40 CFR 60.4206, and 40 CFR 60.4211(a)]
- 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.



[Authority for term: OAC rule 3745-77-07(C)(1) and 40 CFR 60.4211(c)]

- (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.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (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.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (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.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (5) The emergency stationary CI ICE shall be installed with a non-resettable hour meter prior to startup of the engine.

[Authority for term: OAC rule 3745-77-07(C)(1) and 40 CFR 60.4209(a)]

- (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.

[Authority for term: OAC rule 3745-77-07(C)(1)]

e) Reporting Requirements

- (1) The permittee shall email the appropriate DO/LAA a revised EAC form that identifies the serial number for the emergency generator within 30 days after placement on its concrete pad.

[Authority for term: OAC rule 3745-77-07(C)(1)]

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 PM emissions rates that are equal to or less than 0.07 g/kWh (0.05 g/hp-hr) at 100% load and 0.06 g/kWh (0.05 g/hp-hr) at 75% load for the 3,634 bhp engines, and 0.10 g/kWh (0.07 g/hp-hr) at 100% load and 0.07 g/kWh (0.05 g/hp-hr) at 75% load for the 4,043 bhp engines.

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)(3) 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 mode.

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.

[Authority for term: OAC rule 3745-77-07(C)(1)]

g) Miscellaneous Requirements

(1) None.

4. Emissions Unit Group - Group 6b: P070, P071, P072, P073, P074, P075, P076, P077, P078, P079, P080, P081, P082, P083, P084, P085, P086, P087,

EU ID	Operations, Property and/or Equipment Description
P070	2,750 kWe (4,043 bhp) Diesel-Fired Emergency Generator, B4_EG01
P071	2,750 kWe (4,043 bhp) Diesel-Fired Emergency Generator, B4_EG02
P072	2,750 kWe (4,043 bhp) Diesel-Fired Emergency Generator, B4_EG03
P073	2,750 kWe (4,043 bhp) Diesel-Fired Emergency Generator, B4_EG04
P074	2,750 kWe (4,043 bhp) Diesel-Fired Emergency Generator, B4_EG05
P075	2,750 kWe (4,043 bhp) Diesel-Fired Emergency Generator, B4_EG06
P076	2,750 kWe (4,043 bhp) Diesel-Fired Emergency Generator, B4_EG07
P077	2,750 kWe (4,043 bhp) Diesel-Fired Emergency Generator, B4_EG08
P078	2,750 kWe (4,043 bhp) Diesel-Fired Emergency Generator, B4_EG09
P079	2,750 kWe (4,043 bhp) Diesel-Fired Emergency Generator, B4_EG10
P080	2,750 kWe (4,043 bhp) Diesel-Fired Emergency Generator, B4_EG11
P081	2,750 kWe (4,043 bhp) Diesel-Fired Emergency Generator, B4_EG12
P082	2,750 kWe (4,043 bhp) Diesel-Fired Emergency Generator, B4_EG13
P083	2,750 kWe (4,043 bhp) Diesel-Fired Emergency Generator, B4_EG14
P084	2,750 kWe (4,043 bhp) Diesel-Fired Emergency Generator, B4_EG15
P085	2,750 kWe (4,043 bhp) Diesel-Fired Emergency Generator, B4_EG16
P086	2,750 kWe (4,043 bhp) Diesel-Fired Emergency Generator, B4_EG17
P087	2,750 kWe (4,043 bhp) Diesel-Fired Emergency Generator, B4_EG18

- 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)g. 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) [BAT for NO _x]	The emissions unit shall meet the standards established for NO _x emissions in 40 CFR Part 60, Subpart IIII. See b)(1)h. and b)(2)a. through b)(2)c. below.
e.	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 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.
f.	OAC rule 3745-31-05(D) [Federally enforceable limitations to avoid NSR]	See 2. through 9. of Section B - Facility-Wide Terms and Conditions.
g.	OAC rule 3745-31-05(E) [State-only enforceable limitations to avoid modeling]	See 2. through 3. and 5. Through 9. of Section B – Facility-Wide Terms and Conditions.
h.	OAC rule 3745-110-03	See b)(2)e. below.
i.	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;

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		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.
j.	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(b)(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 ultra-low sulfur diesel (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).
- [Authority for term: OAC rule 3745-77-07(A)(1), 40 CFR 60.4206, and 40 CFR 60.4211(a)]
- 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.
- [Authority for term: OAC rule 3745-77-07(C)(1) and 40 CFR 60.4211(c)]
- (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.
- [Authority for term: OAC rule 3745-77-07(C)(1)]
- (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.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (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.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (5) The emergency stationary CI ICE shall be installed with a non-resettable hour meter prior to startup of the engine.

[Authority for term: OAC rule 3745-77-07(C)(1) and 40 CFR 60.4209(a)]

- (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.

[Authority for term: OAC rule 3745-77-07(C)(1)]

e) **Reporting Requirements**

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

[Authority for term: OAC rule 3745-77-07(C)(1)]

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 PM emissions rates that are equal to or less than 0.07 g/kWh (0.05 g/hp-hr) at 100% load and 0.06 g/kWh (0.05 g/hp-hr) at 75% load for the 3,634 bhp engines, and 0.10 g/kWh (0.07 g/hp-hr) at 100% load and 0.07 g/kWh (0.05 g/hp-hr) at 75% load for the 4,043 bhp engines.

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)(3) 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.

[Authority for term: OAC rule 3745-77-07(C)(1)]

g) **Miscellaneous Requirements**

(1) None.